



Einstein Discovery REST API Developer Guide

Salesforce, Spring '25



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EINSTEIN DISCOVERY REST API OVERVIEW

You can access Einstein Discovery features such as predictions, models, and stories programmatically using the Einstein Discovery REST API.

Using the Einstein Discovery REST API, you can:

- Create and retrieve Einstein Discovery predictions.
- Create and retrieve Einstein Discovery models.
- Create and retrieve Einstein Discovery stories.

For more information, see [Einstein Prediction Service](#).

The Einstein Discovery REST API is based on the Connect REST API and follows its conventions. For more information about the Connect REST API, see the [Connect REST API Developer Guide](#).

[Einstein Discovery Connect REST API Release Notes](#)

Use the Salesforce Release Notes to learn about the most recent updates and changes to the Einstein Discovery Connect REST API.

[Connect REST API Authorization](#)

Connect REST API uses OAuth to securely identify your application before connecting to Salesforce.

[API End-of-Life Policy](#)

Salesforce is committed to supporting each API version for a minimum of three years from the date of first release. In order to mature and improve the quality and performance of the API, versions that are more than three years old might cease to be supported.

Einstein Discovery Connect REST API Release Notes

Use the Salesforce Release Notes to learn about the most recent updates and changes to the Einstein Discovery Connect REST API.

For new and changed Einstein Discovery Connect REST resources and request and response bodies see [CRM Analytics](#) in the Salesforce Release Notes and look for Einstein Discovery REST API.

 **Note:** If the API: New and Changed Items section in the Salesforce Release Notes isn't present, there aren't any updates for that release.

Connect REST API Authorization

Connect REST API uses OAuth to securely identify your application before connecting to Salesforce.

OAuth and Connect REST API

For current OAuth information, see [OAuth and Connect REST API](#) in the Connect REST API developer guide.

More Resources

Salesforce offers the following resources to help you navigate connected apps and OAuth:

- [Salesforce Help: Connected Apps](#)
- [Salesforce Help: Authorize Apps with OAuth](#)
- [Salesforce Help: OpenID Connect Token Introspection](#)
- [Trailhead: Build Integrations Using Connected Apps](#)

API End-of-Life Policy

Salesforce is committed to supporting each API version for a minimum of three years from the date of first release. In order to mature and improve the quality and performance of the API, versions that are more than three years old might cease to be supported.

When an API version is to be deprecated, advance notice is given at least one year before support ends. Salesforce will directly notify customers using API versions planned for deprecation.

Salesforce API Versions	Version Support Status	Version Retirement Info
Versions 31.0 through 63.0	Supported.	
Versions 21.0 through 30.0	As of Summer '22, these versions have been deprecated and no longer supported by Salesforce. Starting Summer '25, these versions will be retired and unavailable.	Salesforce Platform API Versions 21.0 through 30.0 Retirement
Versions 7.0 through 20.0	As of Summer '22, these versions are retired and unavailable.	Salesforce Platform API Versions 7.0 through 20.0 Retirement

If you request any resource or use an operation from a retired API version, REST API returns `410 : GONE` error code.

To identify requests made from old or unsupported API versions of REST API, access the free API Total Usage event type.

EINSTEIN DISCOVERY REST API EXAMPLES

Use Einstein Discovery REST API examples to perform tasks.

Considerations

While using the Einstein Discovery REST API, keep this in mind:

- Request parameters may be included as part of the Einstein Discovery REST API resource URL, for example, `/smartdatadiscovery/models?q=status`. A request body is a rich input which may be included as part of the request. When accessing a resource, you can use either a request body or request parameters. You cannot use both.
- With a request body, use `Content-Type: application/json` or `Content-Type: application/xml`.
- With request parameters, use `Content-Type: application/x-www-form-urlencoded`.

[Get Predictions](#)

The Einstein Prediction Service provides a REST API endpoint to request a prediction.

[Manage Prediction Definitions](#)

The Einstein Prediction Service provides REST API endpoints to manage prediction definitions. A prediction definition specifies what the model is trying to predict and the Salesforce entity associated with the prediction. Each prediction definition has a unique id. Only certain attributes of a prediction definition can be modified.

[Manage Models](#)

The Einstein Prediction Service provides REST API endpoints to manage models. Each model has a unique id. A model is used to evaluate predictors and return predictions and improvements. These REST endpoints allow you to make updates to model metadata, but not update the actual predictive model.

[Manage Prediction Jobs](#)

The Einstein Prediction Service provides REST API endpoints to run bulk scoring jobs for a prediction. Bulk scoring jobs enable you to score predictions on multiple records at a time. For example, after deploying an updated model, use bulk scoring to refresh all prediction scores. You can also run bulk scoring on historical data to see how well your model performs. With bulk scoring, you can score all records, a segment of the records, or records that haven't reached the terminal state.

[Manage Model Refresh Jobs](#)

The Einstein Prediction Service provides REST API endpoints to retrieve metadata for model refresh jobs.

[Query Prediction History](#)

The Einstein Prediction Service provides a REST API endpoint to query prediction histories.

Get Predictions

The Einstein Prediction Service provides a REST API endpoint to request a prediction.

Prediction Request

```
POST /smartdatadiscovery/predict
```

POST Request Body

Use one of the following to create your request body, [Smart Data Discovery Predict Input](#), [Smart Data Discovery Predict Raw Data Input](#), [Smart Data Discovery Predict Record Overrides Input](#), or [Smart Data Discovery Predict Record Input](#).

In the request body, you specify the prediction definition to use and the rows of data that you want to score. You can specify rows in one of three available formats:

Format	Description
Records	Salesforce record Ids associated with the <code>subscribedEntity</code> of the prediction definition (retrieved using a SOQL query).
RawData	A two-dimensional array of row values in which each row is a comma-separated list of values.
RecordOverrides	Array of objects containing the Salesforce record Ids. Optionally, override or append values in individual records with an array of row values (in which each row is a comma-separated list of values).

When you run a prediction, Salesforce applies the model specified in the prediction definition to the set of records and returns a prediction score for each record. If you specify 3 records, for example, you get 3 predictions in the order in which the records were specified in the request.

Sample Request when type is Records

The following example shows a request body in which `type` is `Records`. The `records` attribute provides a comma-separated list of Salesforce record Ids associated with the `subscribedEntity` of the prediction definition. You can retrieve a list of available prediction definition Ids using the following API request:

```
GET /smartdatadiscovery/predictiondefinitions
```

You can specify up to 200 Salesforce record Ids. Two records are specified in the following example:

```
{
  "predictionDefinition": "1ORRM0000000304AA",
  "type": "Records",
  "records": ["006RM000002bEfiYAE", "006RM000002bEf1YAE" ]
}
```

Sample Request when type is RawData

The following example shows a request body in which `type` is `RawData`. It names five columns and specifies two records with five data values each. The columns were selected during the story setup process. For more information, see [Create a Story](#).

```
{
  "predictionDefinition": "0OR1H000000Gma9WAC",
  "type": "RawData",
  "columnNames": ["StageName", "CloseDate", "Account.BillingCountry", "IsClosed", "IsWon"],
  "rows": [
    ["Prospecting", "2020-06-30", "USA", "false", "false"],
    ["Qualification", "2020-08-30", "EMEA", "false", "false"]
  ]
}
```

Sample Request when type is RecordOverrides

The following example shows a request body in which `type` is `RecordOverrides`. When specifying row data:

- Each Salesforce record Id represents a record in the `subscribedEntity` associated with the prediction definition.
- (Optional) Each row, where specified, contains the values to override or append to the data specified in the associated record.

You can specify up to 200 entries (record entries plus row entries) in a request. For example, if you have 120 record entries, you can override up to 80 record entries with row entries. The following example specifies two columns with two record entries and two overrides.

```
{
  "predictionDefinition": "00R1H000000Gma9WAC",
  "type": "RecordOverrides",
  "columnNames": ["StageName", "CloseDate"],
  "rows": [
    {
      "record": "0061H000000dnhQEAY",
      "row": ["Prospecting", "2020-06-30"]
    },
    {
      "record": "0061H000000dnhPzQAI",
      "row": ["Qualification", "2020-08-30"]
    }
  ]
}
```

Sample Request for Predictive Factors and Improvements

Starting in 50.0, this API returns a single prediction value by default. To request prediction factors and improvements, you must ask for them explicitly in the request body. The following code snippet specifies `settings` to request prediction factors and improvements.

```
{
  "predictionDefinition": "10RB0000000TNYIOA4",
  "type": "Records",
  "records": ["006B0000002wvCtIAI"],
  "settings": {"maxPrescriptions": 3,
    "maxMiddleValues": 3,
    "prescriptionImpactPercentage": 87
  }
}
```

In this example:

- `maxPrescriptions` specifies the maximum number of improvements (1-3) to return in the response
- `maxMiddleValues` specifies the number of top predictors (1-3) to return in the response
- `prescriptionImpactPercentage` specifies the threshold filter (minimum % improvement for the outcome, which in this example is 87%) needed for the improvement to be returned in the response

To learn more about these settings and see these elements on an example Lightning page, see [Add Einstein Predictions to a Lightning Page](#).

POST Response

The POST response is a [Smart Data Discovery Predict List](#) response.

Example POST Response

```

{
  "predictionDefinition" : "1ORRM0000000030",
  "predictions" : [ {
    "model" : {
      "id" : "1OtRM000000002b0AA"
    },
    "prediction" : {
      "baseLine" : 799315.4282959097,
      "importWarnings" : {
        "mismatchedColumns" : [ ],
        "missingColumns" : [ "OpportunityAge", "Account.Owner.UniqueUserName",
"Account.Industry", "Account.AccountSource", "Account.Owner.Name", "Account.BillingCountry",
"Name" ],
        "outOfBoundsColumns" : [ ]
      },
      "middleValues" : [ {
        "columns" : [ {
          "columnName" : "Has Line Item",
          "columnValue" : "true"
        } ],
        "value" : 543763.66105859
      } ],
      "other" : 0.0,
      "smallTermCount" : 0,
      "total" : 1343079.0893544997
    },
    "prescriptions" : [ ],
    "status" : "Success"
  }, {
    "model" : {
      "id" : "1OtRM000000002b0AA"
    },
    "prediction" : {
      "baseLine" : 799315.4282959097,
      "importWarnings" : {
        "mismatchedColumns" : [ ],
        "missingColumns" : [ "OpportunityAge", "Account.Owner.UniqueUserName",
"Account.Industry", "Account.AccountSource", "Account.Owner.Name", "Account.BillingCountry",
"Name" ],
        "outOfBoundsColumns" : [ ]
      },
      "middleValues" : [ {
        "columns" : [ {
          "columnName" : "Has Line Item",
          "columnValue" : "true"
        } ],
        "value" : 543763.66105859
      } ],
      "other" : 0.0,
      "smallTermCount" : 0,
      "total" : 1343079.0893544997
    },
    "prescriptions" : [ ],
  }

```



```

    "status" : "Success"
  } ],
  "settings" : {
    "maxPrescriptions" : 0,
    "maxMiddleValues" : 0,
    "prescriptionImpactPercentage" : 0
  }
}

```

Manage Prediction Definitions

The Einstein Prediction Service provides REST API endpoints to manage prediction definitions. A prediction definition specifies what the model is trying to predict and the Salesforce entity associated with the prediction. Each prediction definition has a unique id. Only certain attributes of a prediction definition can be modified.

Get Available Prediction Definitions

```
GET /smartdatadiscovery/predictiondefinitions
```

The following code shows an example [Smart Data Discovery Prediction Definition Collection](#) response:

```

HTTP/1.1 200 OK
Date: Tue, 15 Sep 2020 21:58:01 GMT
Strict-Transport-Security: max-age=31536000; includeSubDomains
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
X-Robots-Tag: none
X-B3-TraceId: dl6d33c8d031db6e
X-B3-SpanId: dl6d33c8d031db6e
X-B3-Sampled: 0
Cache-Control: no-cache,must-revalidate,max-age=0,no-store,private
Set-Cookie: BrowserId=hf3WNPeeEeqhuDcd5jEV6A; domain=.salesforce.com; path=/; expires=Wed,
  15-Sep-2021 21:58:01 GMT; Max-Age=31536000
Content-Type: application/json;charset=UTF-8
Vary: Accept-Encoding
Content-Encoding: gzip
Transfer-Encoding: chunked

{
  "nextPageUrl" : null,
  "predictionDefinitions" : [ {
    "countOfActiveModels" : 1,
    "countOfModels" : 1,
    "createdBy" : {
      "id" : "005B0000001nz11IAA",
      "name" : "MyUserName",
      "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B00000008pwV/T"
    },
    "createdDate" : "2020-04-22T01:25:19.000Z",

```

```

    "id" : "1ORB000000000b00AQ",
    "label" : "Maximize CLV - first version",
    "lastModifiedBy" : {
      "id" : "005B0000001nz11IAA",
      "name" : "MyUserName",
      "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B00000008pwV/T"
    },
    "lastModifiedDate" : "2020-04-22T01:25:19.000Z",
    "modelsUrl" :
"/services/data/v52.0/smardatadiscovery/predictiondefinitions/1ORB000000000b00AQ/models",

    "name" : "Maximize_CLV_first_version7c48e8db",
    "outcome" : {
      "goal" : "Maximize",
      "label" : "CLV",
      "name" : "CLV"
    },
    "predictionType" : "Regression",
    "status" : "Enabled",
    "url" :
"/services/data/v52.0/smardatadiscovery/predictiondefinitions/1ORB000000000b00AQ"
  }, {
    "countOfActiveModels" : 1,
    "countOfModels" : 1,
    "createdBy" : {
      "id" : "005B0000001nz11IAA",
      "name" : "MyUserName",
      "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B00000008pwV/T"
    },
    "createdDate" : "2020-01-13T21:28:06.000Z",
    "id" : "1ORB00000004CAkOAM",
    "label" : "Won_Won",
    "lastModifiedBy" : {
      "id" : "005B0000001nz11IAA",
      "name" : "MyUserName",
      "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B00000008pwV/T"
    },
    "lastModifiedDate" : "2020-04-14T20:37:21.000Z",
    "modelsUrl" :
"/services/data/v52.0/smardatadiscovery/predictiondefinitions/1ORB00000004CAkOAM/models",

    "name" : "Won_Wone329300b",
    "outcome" : {
      "goal" : "Maximize",
      "label" : "Won",
      "name" : "Won"
    },
    "predictionType" : "Classification",
    "status" : "Enabled",
    "url" :
"/services/data/v52.0/smardatadiscovery/predictiondefinitions/1ORB00000004CAkOAM"
  }
}

```

```

    }, {
      "countOfActiveModels" : 2,
      "countOfModels" : 2,
      "createdBy" : {
        "id" : "005B0000001nz11IAA",
        "name" : "MyUserName",
        "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B00000008pwV/T"
      },
      "createdDate" : "2020-01-17T00:24:33.000Z",
      "id" : "1ORB00000004CApOAM",
      "label" : "CLV Prediction",
      "lastModifiedBy" : {
        "id" : "005B0000001nz11IAA",
        "name" : "MyUserName",
        "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B00000008pwV/T"
      },
      "lastModifiedDate" : "2020-01-17T00:24:33.000Z",
      "modelsUrl" :
"/services/data/v52.0/smartdatadiscovery/predictiondefinitions/1ORB00000004CApOAM/models",

      "name" : "CLV_Prediction3d72828a",
      "outcome" : {
        "goal" : "Maximize",
        "label" : "CLV",
        "name" : "CLV"
      },
      "predictionType" : "Regression",
      "status" : "Enabled",
      "url" :
"/services/data/v52.0/smartdatadiscovery/predictiondefinitions/1ORB00000004CApOAM"
    }, {
      "countOfActiveModels" : 1,
      "countOfModels" : 1,
      "createdBy" : {
        "id" : "005B0000001nz11IAA",
        "name" : "MyUserName",
        "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B00000008pwV/T"
      },
      "createdDate" : "2020-02-04T08:28:14.000Z",
      "id" : "1ORB00000004CCCOA2",
      "label" : "CLV_CLV",
      "lastModifiedBy" : {
        "id" : "005B0000001nz11IAA",
        "name" : "MyUserName",
        "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B00000008pwV/T"
      },
      "lastModifiedDate" : "2020-02-04T08:28:14.000Z",
      "modelsUrl" :
"/services/data/v52.0/smartdatadiscovery/predictiondefinitions/1ORB00000004CCCOA2/models",

```

```

    "name" : "CLV_CLVa7cf508c",
    "outcome" : {
      "goal" : "Maximize",
      "label" : "CLV",
      "name" : "CLV"
    },
    "predictionType" : "Regression",
    "status" : "Enabled",
    "url" :
"/services/data/v52.0/smartdatadiscovery/predictiondefinitions/1ORB0000004CCCOA2"
  } ],
  "totalSize" : 4,
  "url" : "/services/data/v52.0/smartdatadiscovery/predictiondefinitions"
}

```

Get Metadata for a Prediction Definition

```
GET /smartdatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>
```

The following code shows an example [Smart Data Discovery Prediction Definition](#) response:

```

HTTP/1.1 200 OK
Date: Thu, 17 Sep 2020 16:27:43 GMT
Strict-Transport-Security: max-age=31536002; includeSubDomains
Public-Key-Pins-Report-Only: pin-sha256="9n0izTnSRF+W4W4JTq51avSXkWhQB8duS2bxVLfzXsY=";
pin-sha256="5kJvNEMw0KjrcAu7eXY5HZdvyCS13BbA0VJG1RSP9lw=";
pin-sha256="njN4rRG+22dNXAi+yb8e3UMyppgzPUPHlv4+foULw1lg="; max-age=86400; includeSubDomains;
report-uri="https://a.forcesslreports.com/hpkp-report/00DB000000K2Uzm";
Expect-CT: max-age=86400,
report-uri="https://a.forcesslreports.com/Expect-CT-report/00DB000000K2Uzm"
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
X-Robots-Tag: none
X-B3-TraceId: da9949518cdecb56
X-B3-SpanId: da9949518cdecb56
X-B3-Sampled: 0
Cache-Control: no-cache,must-revalidate,max-age=0,no-store,private
Set-Cookie: BrowserId=tsMTvvkCEeqU9WHivUXHfA; domain=.salesforce.com; path=/; expires=Fri,
17-Sep-2021 16:27:43 GMT; Max-Age=31536000
Content-Type: application/json;charset=UTF-8
Vary: Accept-Encoding
Content-Encoding: gzip
Transfer-Encoding: chunked

{
  "countOfActiveModels" : 1,
  "countOfModels" : 1,
  "createdBy" : {
    "id" : "005B0000004iaa7IAA",
    "name" : "Admin User",
    "profilePhotoUrl" : "https://MyDomainName.file.force.com/profilephoto/729B0000000EmIX/T"
  }
}

```

```

},
"createdDate" : "2020-03-31T01:18:51.000Z",
"id" : "1ORB000000000JuOAI",
"label" : "ItalyInfo",
"lastModifiedBy" : {
  "id" : "005B00000051RBqIAM",
  "name" : "YourUserName",
  "profilePhotoUrl" : "https://MyDomainName.file.force.com/profilephoto/729B00000003ARf/T"
},
},
"lastModifiedDate" : "2020-08-18T23:09:25.000Z",
"modelsUrl" :
"/services/data/v52.0/smartdatadiscovery/predictiondefinitions/1ORB000000000JuOAI/models",

"name" : "ItalyInfo9461190a",
"outcome" : {
  "goal" : "Minimize",
  "label" : "Total Cases",
  "name" : "totale_casi"
},
},
"predictionType" : "Regression",
"pushbackField" : {
  "label" : "mypredField",
  "name" : "Custom_Opportunity__c.mypredField__c"
},
},
"refreshConfig" : {
  "isEnabled" : true,
  "recipientList" : [ {
    "displayName" : "YourUserName",
    "id" : "005B00000051RBqIAM",
    "type" : "User"
  } ],
  "schedule" : {
    "dayInWeek" : "wednesday",
    "frequency" : "monthlyrelative",
    "nextScheduledDate" : "2020-10-08T02:00:00.000Z",
    "time" : {
      "hour" : 19,
      "timeZone" : {
        "gmtOffset" : -7.0,
        "name" : "Pacific Daylight Time",
        "zoneId" : "America/Los_Angeles"
      }
    }
  },
  "weekInMonth" : "first"
},
},
"shouldScoreAfterRefresh" : false,
"userContext" : {
  "id" : "005B00000051RBqIAM"
},
},
"warningThresholdPercentage" : 0.05
},
"status" : "Enabled",
"subscribedEntity" : "Custom_Opportunity__c",

```

```
"url" : "/services/data/v52.0/smardatadiscovery/predictiondefinitions/1ORB000000000JuOAI"
}
```

The `refreshConfig` section describes model refresh jobs for this prediction. Model refresh jobs are configured in Model Manager as described in [Configure Automatic Model Refresh for a Prediction](#).

Delete a Prediction Definition

```
DELETE /smardatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>
```

Manage Models

The Einstein Prediction Service provides REST API endpoints to manage models. Each model has a unique id. A model is used to evaluate predictors and return predictions and improvements. These REST endpoints allow you to make updates to model metadata, but not update the actual predictive model.

Get Available Models

```
GET /smardatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>/models
```

This code shows an example response of a [Smart Data Discovery Model Collection](#).

```
HTTP/1.1 200 OK
Date: Thu, 30 Jan 2020 17:34:12 GMT
Strict-Transport-Security: max-age=31536000; includeSubDomains
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
X-Robots-Tag: none
Cache-Control: no-cache,must-revalidate,max-age=0,no-store,private
Set-Cookie: BrowserId=uqyLl00GEeq2RPW2iPHbvQ; domain=.salesforce.com; path=/; expires=Fri,
  29-Jan-2021 17:34:12 GMT; Max-Age=31536000
Content-Type: application/json;charset=UTF-8
Vary: Accept-Encoding
Content-Encoding: gzip
Transfer-Encoding: chunked

{
  "models" : [ {
    "actionableVariables" : [ {
      "label" : "Type",
      "name" : "Type",
      "type" : "Text"
    }, {
      "label" : "Ownership",
      "name" : "Ownership",
      "type" : "Text"
    }, {
      "label" : "Rating",
      "name" : "Rating",
      "type" : "Text"
    }
  ]
}
```

```

    }, {
      "label" : "Division",
      "name" : "Division",
      "type" : "Text"
    }, {
      "label" : "AccountScore",
      "name" : "AccountScore",
      "type" : "Text"
    } ],
    "createdBy" : {
      "id" : "005B0000002zz11IAA",
      "name" : "MyUserName",
      "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B00000009ttx/T"
    },
    "createdDate" : "2020-01-17T00:24:35.000Z",
    "fieldMappingList" : [ {
      "modelField" : {
        "label" : "CloseDate",
        "name" : "CloseDate",
        "type" : "Date"
      }
    }, {
      "modelField" : {
        "label" : "Industry",
        "name" : "Industry",
        "type" : "Text"
      }
    }, {
      "modelField" : {
        "label" : "StartDate",
        "name" : "StartDate",
        "type" : "Date"
      }
    }, {
      "modelField" : {
        "label" : "Ownership",
        "name" : "Ownership",
        "type" : "Text"
      }
    }, {
      "modelField" : {
        "label" : "Type",
        "name" : "Type",
        "type" : "Text"
      }
    }, {
      "modelField" : {
        "label" : "Rating",
        "name" : "Rating",
        "type" : "Text"
      }
    }, {
      "modelField" : {

```

```

        "label" : "BillingState",
        "name" : "BillingState",
        "type" : "Text"
    }
}, {
    "modelField" : {
        "label" : "Division",
        "name" : "Division",
        "type" : "Text"
    }
}, {
    "modelField" : {
        "label" : "AccountScore",
        "name" : "AccountScore",
        "type" : "Text"
    }
} ],
"filters" : [ ],
"id" : "10tB00000004CApKAM",
"label" : "CLV",
"lastModifiedBy" : {
    "id" : "005B0000002zz1lIAA",
    "name" : "MyUserName",
    "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B00000009ttx/T"
},
"lastModifiedDate" : "2020-01-17T00:24:35.000Z",
"model" : {
    "id" : "10TB000000000ajOAA"
},
"modelType" : "Regression",
"name" : "CLV",
"predictionDefinitionUrl" :
"/services/data/v52.0/smartdatadiscovery/predictiondefinitions/10RB00000004CApOAM",
"sortOrder" : 0,
"status" : "Enabled",
"url" :
"/services/data/v52.0/smartdatadiscovery/predictiondefinitions/10RB00000004CApOAM/models/10tB00000004CApKAM"
}, {
    "actionableVariables" : [ {
        "label" : "Industry",
        "name" : "Industry",
        "type" : "Text"
    }, {
        "label" : "Type",
        "name" : "Type",
        "type" : "Text"
    }, {
        "label" : "Ownership",
        "name" : "Ownership",
        "type" : "Text"
    }, {
        "label" : "Rating",

```



```

    "name" : "Rating",
    "type" : "Text"
  }, {
    "label" : "Division",
    "name" : "Division",
    "type" : "Text"
  } ],
  "createdBy" : {
    "id" : "005B0000002zz11IAA",
    "name" : "MyUserName",
    "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B00000009tttx/T"
  },
  "createdDate" : "2020-01-17T00:26:14.000Z",
  "fieldMappingList" : [ {
    "modelField" : {
      "label" : "CloseDate",
      "name" : "CloseDate",
      "type" : "Date"
    }
  }, {
    "modelField" : {
      "label" : "Industry",
      "name" : "Industry",
      "type" : "Text"
    }
  }, {
    "modelField" : {
      "label" : "StartDate",
      "name" : "StartDate",
      "type" : "Date"
    }
  }, {
    "modelField" : {
      "label" : "Ownership",
      "name" : "Ownership",
      "type" : "Text"
    }
  }, {
    "modelField" : {
      "label" : "Type",
      "name" : "Type",
      "type" : "Text"
    }
  }, {
    "modelField" : {
      "label" : "Rating",
      "name" : "Rating",
      "type" : "Text"
    }
  }, {
    "modelField" : {
      "label" : "BillingState",
      "name" : "BillingState",

```

```

        "type" : "Text"
      }
    }, {
      "modelField" : {
        "label" : "Division",
        "name" : "Division",
        "type" : "Text"
      }
    }, {
      "modelField" : {
        "label" : "AccountScore",
        "name" : "AccountScore",
        "type" : "Text"
      }
    }
  ],
  "filters" : [ ],
  "id" : "10tB00000004CAqKAM",
  "label" : "CLV",
  "lastModifiedBy" : {
    "id" : "005B0000002zz11IAA",
    "name" : "MyUserName",
    "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B00000009ttx/T"
  },
  "lastModifiedDate" : "2020-01-17T00:26:14.000Z",
  "model" : {
    "id" : "10TB000000000ajOAA"
  },
  "modelType" : "Regression",
  "name" : "CLV",
  "predictionDefinitionUrl" :
"/services/data/v52.0/smardatadiscovery/predictiondefinitions/10RB00000004CApOAM",
  "sortOrder" : 1,
  "status" : "Enabled",
  "url" :
"/services/data/v52.0/smardatadiscovery/predictiondefinitions/10RB00000004CApOAM/models/10tB00000004CAqKAM"
} ],
"totalSize" : 2,
"url" :
"/services/data/v52.0/smardatadiscovery/predictiondefinitions/10RB00000004CApOAM/models"
}

```

Get Metadata for a Model

```
GET /smardatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>/models/<modelId>
```


Delete a Model

```
DELETE /smardatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>
/models/<modelId>
```

Manage Prediction Jobs

The Einstein Prediction Service provides REST API endpoints to run bulk scoring jobs for a prediction. Bulk scoring jobs enable you to score predictions on multiple records at a time. For example, after deploying an updated model, use bulk scoring to refresh all prediction scores. You can also run bulk scoring on historical data to see how well your model performs. With bulk scoring, you can score all records, a segment of the records, or records that haven't reached the terminal state.

Bulk scoring jobs are configured in Model Manager. To set up Bulk Scoring jobs, see [Score Records in Bulk](#).

 **Note:** If the daily predictions limit is reached in your org, active scoring jobs are paused, then resumed the next day.

Run a Bulk Scoring Job for a Prediction

```
POST /smartdatadiscovery/predict-jobs
```

POST Request Body

Use the [Smart Data Discovery Job Predict Input](#) to create your request body. In the request body, specify the prediction definition Id associated with the bulk scoring request job, along with a user-defined label, and optional filter settings.

```
{
  "predictionDefinition":{ "id":"{{predictionDefinitionId}} " },
  "label":"{{label}}",
  "useTerminalStateFilter" : false,
  "filters":{
    "filters":[
      {
        "fieldName":"Opportunity.Name",
        "values":[ "My Opportunity" ],
        "operator":"Equal"
      }
    ]
  }
}
```

You can retrieve a list of available prediction definition Ids using the following API request:

```
GET /smartdatadiscovery/predictiondefinitions
```

Get Scoring Jobs

```
GET smartdatadiscovery/predict-jobs
```

Manage Model Refresh Jobs

The Einstein Prediction Service provides REST API endpoints to retrieve metadata for model refresh jobs.

Model refresh jobs are configured in Model Manager. To set up model refresh jobs, see [Configure Automatic Model Refresh for a Prediction Definition](#).

Get Prediction Refresh Jobs

```
GET /smartdatadiscovery/refresh-jobs
```

The following code shows an example [Smart Data Discovery Refresh Job Collection](#) response.

```
{
  "refreshJobs" : [ {
    "createdBy" : {
      "id" : "005B0000006DdetIAC",
      "name" : "YourUserName",
      "profilePhotoUrl" :
        "https://MyDomainName.file.force.com/profilephoto/729B0000000Ege5/T"
    },
    "createdDate" : "2020-09-09T16:16:39.000Z",
    "endTime" : "2020-09-09T16:20:02.000Z",
    "id" : "10XB00000008OIPOA2",
    "refreshTarget" : {
      "id" : "1ORB0000000TNXyOAO"
    },
    "refreshTasksUrl" :
      "/services/data/v52.0/smartdatadiscovery/refresh-jobs/10XB00000008OIPOA2/refresh-tasks",
    "startTime" : "2020-09-09T16:16:41.000Z",
    "status" : "Success",
    "type" : "UserTriggered",      "url" :
      "/services/data/v52.0/smartdatadiscovery/refresh-jobs/10XB00000008OIPOA2"
  } ],
  "totalSize" : 1,
  "url" : "/services/data/v52.0/smartdatadiscovery/refresh-jobs"
}
```

Get Prediction Refresh Job Details

```
GET /smartdatadiscovery/refresh-jobs/<refreshJobId>
```

The following code shows an example response.

```
{
  "refreshJobs" : [ {
    "createdBy" : {
      "id" : "005B0000006DdetIAC",
      "name" : "YourUserName",
      "profilePhotoUrl" :
        "https://MyDomainName.file.force.com/profilephoto/729B0000000Ege5/T"
    },
    "createdDate" : "2020-09-09T16:16:39.000Z",
    "endTime" : "2020-09-09T16:20:02.000Z",
    "id" : "10XB00000008OIPOA2",
    "refreshTarget" : {
      "id" : "1ORB0000000TNXyOAO"
    },
    "refreshTasksUrl" :
      "/services/data/v52.0/smartdatadiscovery/refresh-jobs/10XB00000008OIPOA2/refresh-tasks",
    "startTime" : "2020-09-09T16:16:41.000Z",
  } ],
}
```

```

    "status" : "Success",
    "type" : "UserTriggered",
    "url" : "/services/data/v52.0/smartdatadiscovery/refresh-jobs/10XB00000008OIP0A2"
  }

```

Get Prediction Refresh Job Task Details

```
GET /smartdatadiscovery/refresh-jobs/<refreshJobId>/refresh-tasks
```

The following code shows an example [Smart Data Discovery Refresh Job](#) response.

```

{
  "refreshTasks" : [ {
    "createdBy" : {
      "id" : "005B0000006DdetIAC",
      "name" : "YourUserName",
      "profilePhotoUrl" :
"https://MyDomainName.file.force.com/profilephoto/729B0000000Eqe5/T"
    },
    "createdDate" : "2020-09-09T16:16:39.000Z",
    "endTime" : "2020-09-09T16:19:54.000Z",
    "id" : "10xB000000008OIKKA2",
    "refreshTarget" : {
      "id" : "10tB00000000TndAKAW",
      "label" : "IsWon",
      "name" : "IsWon"
    },
    "refreshedAIModel" : {
      "id" : "10TB00000000PDeBOAW"
    },
    "source" : {
      "story" : {
        "id" : "1Y3B000000004HOCKA2"
      },
      "storyVersion" : {
        "id" : "9B4B000000008UrEKAU"
      }
    },
    "startTime" : "2020-09-09T16:16:45.000Z",
    "status" : "Success"
  } ],
  "totalSize" : 1,
  "url" :
"/services/data/v52.0/smartdatadiscovery/refresh-jobs/10XB00000008OIP0A2/refresh-tasks"
}

```

Query Prediction History

The Einstein Prediction Service provides a REST API endpoint to query prediction histories.

Predict History Request

```
POST /smartdatadiscovery/predict-history
```

POST Request Body

Use the [Predict History Input](#) to create your request body.

In the request body, you specify the ID of the goal, the prediction history range, and a list of targets.

Format	Description
goalId	The ID of the prediction definition to query for historical predictions.
targets	A list of opportunity IDs as strings to use for the target entities of the query. The list is limited to 1 entry.
range	An optional range for the query. Use the Predict History Range Input to specify the range. The range includes: <ul style="list-style-type: none"> <code>maxLookBack</code> an optional value to specify the number of prediction history values. 1–3 are the valid values, with a default value of 1. <code>interval</code> an optional value to specify the prediction history interval. Valid values are <code>Weekly</code> or <code>None</code>, with a default value of <code>Weekly</code>.

Example: Query prediction history with a `maxLookBack` of 2

Query the prediction history using the following API request:

```
POST /smartdatadiscovery/predict-history
```

Request body:

```
{
  "targets" : [ "10txx00000000304AA" ],
  "goalId" : "1ORxx00000000509BA",
  "range" : {
    "maxLookBack" : 2
  }
}
```

POST Response Body

The POST response is a [Predict History Collection](#).

Example: Response body:

```
{
  "history" : [
    {
      "target" : "006xx000001a2p3AAA",
      "predictions" : [
```

```
    {
      "createdDate" : "2022-09-16T19:47:14.000Z",
      "value" : "21.69962721629",
      "model" { "id" : "1Otxx00000000304AA" }
    },
    {
      "createdDate" : "2022-09-16T19:47:15.000Z",
      "value" : "21.83126271983",
      "model" { "id" : "1Otxx00000000304AA" }
    }
  ]
},
"range" : {
  "maxLookBack" : 2,
  "interval" : "Weekly"
}
}
```

EINSTEIN DISCOVERY REST RESOURCES

REST API resources are sometimes called *endpoints*.

[Smart Data Discovery Resource](#)

Lists the top-level resources available for Einstein Discovery.

[Model Resources](#)

Einstein Discovery models are sophisticated, custom mathematical constructs that are used to predict particular outcomes.

[Metrics Resource](#)

Returns the metrics collection for Einstein Discovery.

[Narrative Resource](#)

Returns the narrative data for an Einstein Discovery story.

[Prediction Definition Resources](#)

A prediction definition specifies what the model is trying to predict and the Salesforce entity associated with the prediction. Each prediction definition has a unique id. Only certain attributes of a prediction definition can be modified.

[Predict Jobs Resources](#)

Predict jobs run bulk scoring jobs for predictions. Bulk scoring jobs enable scoring predictions on multiple records at a time. For example, after deploying an updated model, use bulk scoring to refresh all prediction scores.

[Predict Resource](#)

Make an Einstein Discovery prediction.

[Predict History Resource](#)

Query the history of Einstein Discovery predictions.

[Refresh Jobs Resources](#)

Refresh jobs run refresh Einstein Discovery models.

[Stories Resources](#)

Einstein Discovery stories are used to analyze your data. The insights from stories show you what happened in your data, why it happened, and what could happen.

Einstein Discovery REST API Resources Overview

The Einstein Discovery REST API provides resources so you can access your Einstein Discovery insights.

All Einstein Discovery REST API resources are accessed using:

- A base URL for your company (for example, `https://yourInstance.salesforce.com`)
- Version information (for example, `/services/data/v53.0`)
- A named resource (for example, `/smartdatadiscovery`)

Put together, an example of the full URL to the resource is:

```
https://yourInstance.salesforce.com/services/data/v55.0/smartdatadiscovery
```

Org and Object Identifiers

Id fields in Salesforce, and for Einstein Discovery, are typically 15-character, base-62, case-sensitive strings. However, many Salesforce APIs, including the Einstein Discovery REST API, use 18-character, case-insensitive strings—for example, the `Id` property of the Story resource `/smartdatadiscovery/stories/<storyID>`. The last 3 digits are a checksum of the preceding 15 characters. The use of case-insensitive Id's eases interaction with external applications and development environments that use case-insensitive references. To convert an 18-character Id back to a 15-character ID, simply remove the last 3 characters.

General Resources

General resources for Einstein Discovery are covered here, while specific features like prediction definitions and stories have their own sections.

Resource	Description	Supported HTTP Method	Resource URL
Metrics Resource	Returns the metrics for Einstein Discovery.	GET	<code>/smartdatadiscovery/metrics</code>
Narrative Resource	Returns the narrative data for an Einstein Discovery story.	POST	<code>/smartdatadiscovery/narrative</code>
Predict Resource	Creates an Einstein Discovery prediction.	POST	<code>/smartdatadiscovery/predict</code>
Predict History Resource	Query the history of Einstein Discovery predictions.	POST	<code>/smartdatadiscovery/predict-history</code>
Smart Data Discovery Resource	Lists the top-level resources available for Einstein Discovery.	GET	<code>/smartdatadiscovery</code>

Filtering REST Responses

In addition to Einstein Discovery REST API input parameters, you can use the following Connect REST API input parameters to filter the results returned from a request: `filterGroup`, `external`, and `internal`. For more information, see [Specifying Response Sizes](#) in the *Connect REST API Developer Guide*.

Smart Data Discovery Resource

Lists the top-level resources available for Einstein Discovery.

Resource URL

```
/smartdatadiscovery
```

Formats

JSON

Available Version

46.0

HTTP Methods

GET

Response body for GET

[Directory Item Collection](#)

Model Resources

Einstein Discovery models are sophisticated, custom mathematical constructs that are used to predict particular outcomes.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Models Resource	Returns a collection of Einstein Discovery models and creates a model.	GET POST	/smartdatadiscovery/models
Model Resource	Returns a model, updates a model, or deletes a model.	GET PATCH DELETE	/smartdatadiscovery/models/<modelId>
Model Coefficients Resource	Returns the coefficients for a model.	GET	/smartdatadiscovery/models/<modelId>/coefficients
Model File Resource	Returns a binary stream of the model file contents.	GET	/smartdatadiscovery/models/<modelId>/file
Model Metrics Resource	Returns the metrics for a specified model.	GET	/smartdatadiscovery/models/<modelId>/metrics
Model Metrics Residuals Resource	Returns the metrics residuals for a specified model.	GET	/smartdatadiscovery/models/<modelId>/metrics/residuals
Model Metrics Feature Importances Resource	Returns the importance metrics for a specified model.	GET	/smartdatadiscovery/models/<modelId>/metrics/feature-importances

[Models Resource](#)

Returns a collection of Einstein Discovery models and creates a model.

[Model Resource](#)

Returns an Einstein Discovery model, updates a model, or deletes a model.

[Model Coefficients Resource](#)

Returns a collection of coefficients for an Einstein Discovery model.

[Model File Resource](#)

Returns a binary stream of the Einstein Discovery model file contents.

[Model Metrics Resource](#)

Returns the metrics for an Einstein Discovery model.

[Model Metrics Residuals Resource](#)

Returns the metrics residuals for an Einstein Discovery model.

[Model Metrics Feature Importances Resources](#)

Returns the importance metrics for an Einstein Discovery Model

Models Resource

Returns a collection of Einstein Discovery models and creates a model.

Resource URL`/smartdatadiscovery/models`**Formats**

JSON

Available Version

48.0

HTTP Methods

GET POST

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
order	SmartDataDiscovery SortOrderEnum	The sort order for the collection. Valid values are: <ul style="list-style-type: none"> Ascending Descending 	Optional	48.0
page	String	A generated token that indicates the view of models to be returned.	Optional	48.0
pageSize	Integer	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	48.0
q	String	Search terms. Individual terms are separated by spaces. A wildcard is automatically appended to the last token in the query string. If the user's search query contains quotation marks or wildcards, those symbols are automatically removed from the query string in the URI along with any other special characters.	Optional	48.0
sort	SmartDataDiscovery AIModelCollection SortOrderTypeEnum	The sort order type for the collection. Valid values are: <ul style="list-style-type: none"> CreatedDate Description Name PredictionFieldName 	Optional	48.0

Parameter Name	Type	Description	Required or Optional	Available Version
		<ul style="list-style-type: none"> PredictionType RuntimeType 		
sourceType	SmartDataDiscovery ModelSourceType Enum	Filters the collection by source type. Valid values are: <ul style="list-style-type: none"> Discovery UserUpload 	Optional	48.0
status	SmartDataDiscovery AIModelStatusEnum	Filters the collection by status. Valid values are: <ul style="list-style-type: none"> Disabled Enabled UploadCompleted UploadFailed Uploading Validating ValidationCompleted ValidationFailed 	Optional	48.0
storyHistory Id	String	Filters the collection by story history ID (9B4).	Optional	48.0
storyId	String	Filters the collection by story ID (1Y3).	Optional	48.0

Response body for GET[Smart Data Discovery AI Model Collection](#)**Request body for POST**[Smart Data Discovery AI Model Input](#)**Response body for POST**[Smart Data Discovery AI Model](#)

Model Resource

Returns an Einstein Discovery model, updates a model, or deletes a model.

Resource URL`/smartdatadiscovery/models/<modelId>`**Formats**

JSON

Available Version

48.0 GET DELETE, 50.0 PATCH

HTTP Methods

GET PATCH DELETE

Request parameters for GET and DELETE

Parameter Name	Type	Description	Required or Optional	Available Version
modelId	String	The ID of the model to retrieve, update, or delete.	Required	48.0

Response body for GET and PATCH[Smart Data Discovery AI Model](#)**Request parameters for PATCH**

Parameter Name	Type	Description	Required or Optional	Available Version
model	SmartDataDiscovery AIModelInput	The model information to update.	Required	50.0
modelId	String	The ID of the model to retrieve, update, or delete.	Required	50.0

Model Coefficients Resource

Returns a collection of coefficients for an Einstein Discovery model.

Resource URL`/smartdatadiscovery/models/<modelId>/coefficients`**Formats**

JSON

Available Version

55.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
modelId	String	The ID of the model to retrieve the coefficients for.	Required	55.0
page	String	A generated token that indicates the view of model metrics to be returned.	Optional	55.0

Parameter Name	Type	Description	Required or Optional	Available Version
pageSize	Integer	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	55.0

Response body for GET

[Smart Data Discovery AI Model Coefficient Collection](#)

Model File Resource

Returns a binary stream of the Einstein Discovery model file contents.

Resource URL

```
/smartdatadiscovery/models/<modelId>/file
```

Formats

JSON

Available Version

49.0 GET

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
modelId	String	The ID of the model to retrieve the file for.	Required	49.0

Response body for GET

`StreamedRepresentation`. Returns a binary stream of the JSON contents of the specified file.

Model Metrics Resource

Returns the metrics for an Einstein Discovery model.

Resource URL

```
/smartdatadiscovery/models/<modelId>/metrics
```

Formats

JSON

Available Version

54.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
modelId	String	The ID of the model to retrieve the metrics for.	Required	54.0

Response body for GET

[Abstract Smart Data Discovery AI Model Metrics](#) - Specific implementations include: [Smart Data Discovery AI Model Classification Metrics](#), [Smart Data Discovery AI Model Multiclass Metrics](#), and [Smart Data Discovery AI Model Regression Metrics](#)

Model Metrics Residuals Resource

Returns the metrics residuals for an Einstein Discovery model.

Resource URL

```
/smartdatadiscovery/models/<modelId>/metrics/residuals
```

Formats

JSON

Available Version

55.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
modelId	String	The ID of the model to retrieve the metrics residuals for.	Required	55.0
page	String	A generated token that indicates the view of metrics residuals to be returned.	Optional	55.0
pageSize	Integer	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	55.0

Response body for GET

[Smart Data Discovery AI Model Residual Collection](#)

Model Metrics Feature Importances Resources

Returns the importance metrics for an Einstein Discovery Model

Resource URL

```
/smartdatadiscovery/models/${modelId}/metrics/feature-importances
```

Formats

JSON

Available Version

56.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
modelId	String	The ID of the model to retrieve the importance metrics.	Required	56.0

Response body for GET
[Smart Data Discovery Feature Importance Metric](#)

Metrics Resource

Returns the metrics collection for Einstein Discovery.

Resource URL

```
/smartdatadiscovery/metrics
```

Formats

JSON

Available Version

50.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
count	Integer	The count for the collection.	Optional	50.0
span	MetricSpanEnum	The time span for the metrics. Valid values are: <ul style="list-style-type: none"> Day Month SinceLastAction Week 	Optional	50.0

Response body for GET[Smart Data Discovery Metrics Collection](#)

Narrative Resource

Returns the narrative data for an Einstein Discovery story.

Resource URL

```
/smartdatadiscovery/narrative
```

Formats

JSON

Available Version

51.0

HTTP Methods

POST

Request body for POST

Parameter Name	Type	Description	Required or Optional	Available Version
narrative	SmartDataDiscovery NarrativeInput	The narrative to return data for.	Optional	51.0

Response body for POST[Smart Data Discovery Narrative Field Collection](#)

Prediction Definition Resources

A prediction definition specifies what the model is trying to predict and the Salesforce entity associated with the prediction. Each prediction definition has a unique id. Only certain attributes of a prediction definition can be modified.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Prediction Definitions Resource	Returns a collection of Einstein Discovery prediction definitions.	GET	/smartdatadiscovery/predictiondefinitions
Prediction Definition Resource	Returns or deletes a prediction definition.	GET DELETE	/smartdatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>
Prediction Definition	Returns a model card for an Einstein Discovery prediction definition.	GET	/smartdatadiscovery/predictiondefinitions

Resource	Description	Supported HTTP Method	Resource URL
Model Cards Resource			/<predictionDefinitionIdOrName>/modelcards
Prediction Definition Model Card Resource	Deletes a prediction definition model card.	DELETE	/smartdatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>/modelcards/<modelCardId>
Prediction Definition Models Resource	Returns a collection of Einstein Discovery prediction definition models.	GET POST	/smartdatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>/models
Prediction Definition Model Resource	Returns or deletes a model for an Einstein Discovery prediction definition.	GET PATCH DELETE	/smartdatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>/models/<modelId>
Prediction Definition Model Metrics Resource	Returns a collection of metrics for a prediction definition model.	GET	/smartdatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>/models/<modelId>/metrics

Examples

For use cases to manage prediction definitions, see [Manage Prediction Definitions](#).

For use cases to manage models, see [Manage Models](#).

[Prediction Definitions Resource](#)

Returns a collection of Einstein Discovery prediction definitions.

[Prediction Definition Resource](#)

Returns or deletes an Einstein Discovery prediction definition.

[Prediction Definition Model Cards Resource](#)

Returns a model card for an Einstein Discovery prediction definition.

[Prediction Definition Model Card Resource](#)

Deletes a prediction definition model card.

[Prediction Definitions Models Resource](#)

Returns a collection of Einstein Discovery prediction definition models.

[Prediction Definitions Model Resource](#)

Returns or deletes a model for an Einstein Discovery prediction definition.

[Prediction Definitions Model Metrics Resource](#)

Returns a collection of metrics for a prediction definition model.

Prediction Definitions Resource

Returns a collection of Einstein Discovery prediction definitions.

Resource URL

```
/smartdatadiscovery/predictiondefinitions
```

Formats

JSON

Available Version

41.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
modelSource	SmartDataDiscovery ModelSourceType Enum	The model source type to filter the collection by. Valid values are: <ul style="list-style-type: none"> Discovery UserUpload 	Optional	41.0
order	SmartDataDiscovery SortOrderEnum	The sort order for the collection. Valid values are: <ul style="list-style-type: none"> Ascending Descending 	Optional	41.0
outcomeField	String	The outcome field to filter the collection by.	Optional	41.0
outcomeGoal	ConnectSmartData DiscoveryOutcome GoalEnum	The outcome goal to filter the collection by. Valid values are: <ul style="list-style-type: none"> Maximize Minimize None 	Optional	41.0
page	String	A generated token that indicates the view of models to be returned.	Optional	41.0
pageSize	Integer	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	41.0
prediction Type	ConnectSmartData DiscoveryPrediction TypeEnum	The prediction type to filter the collection by. Valid values are: <ul style="list-style-type: none"> Classification MulticlassClassification 	Optional	41.0

Parameter Name	Type	Description	Required or Optional	Available Version
		<ul style="list-style-type: none"> Regression Unknown 		
q	String	Search terms. Individual terms are separated by spaces. A wildcard is automatically appended to the last token in the query string. If the user's search query contains quotation marks or wildcards, those symbols are automatically removed from the query string in the URI along with any other special characters.	Optional	41.0
sort	PredictionDefinitionCollectionSortOrderTypeEnum	The sort order type for the collection. Valid values are: <ul style="list-style-type: none"> LastUpdate Name OutcomeFieldLabel PredictionType SubscribedEntity 	Optional	41.0
sourceType	SmartDataDiscoveryModelSourceTypeEnum	Filters the collection by source type. Valid values are: <ul style="list-style-type: none"> Discovery UserUpload 	Optional	41.0
status	SmartDataDiscoveryStatusEnum	Filters the collection by status. Valid values are: <ul style="list-style-type: none"> Disabled Enabled 	Optional	41.0
storyId	Id	Filters the collection by story ID (1Y3).	Optional	41.0
subscribedEntity	String	Filters the collection by subscribed entity.	Optional	41.0

Response body for GET

[Smart Data Discovery Prediction Definition Collection](#)

Prediction Definition Resource

Returns or deletes an Einstein Discovery prediction definition.

Resource URL

```
/smartdatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>
```

Formats

JSON

Available Version

41.0

HTTP Methods

GET DELETE

Request parameters for GET and DELETE

Parameter Name	Type	Description	Required or Optional	Available Version
prediction DefinitionId OrName	String	The ID or developer name of the prediction definition to retrieve or delete.	Required	41.0

Response body for GET
[Smart Data Discovery Prediction Definition](#)

Prediction Definition Model Cards Resource

Returns a model card for an Einstein Discovery prediction definition.

Resource URL

```
/smartdatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>/modelcards
```

Formats

JSON

Available Version

51.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
prediction DefinitionId OrName	String	The ID or developer name of the prediction definition to retrieve the model card for.	Required	41.0

Response body for GET
[Smart Data Discovery Model Card](#)

Prediction Definition Model Card Resource

Deletes a prediction definition model card.

Resource URL

```
/smartdatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>/modelcards/<modelCardId>
```

Formats

JSON

Available Version

51.0

HTTP Methods

DELETE

Request parameters for DELETE

Parameter Name	Type	Description	Required or Optional	Available Version
modelCardId	String	The ID of the model card to delete.	Required	41.0
predictionDefinitionIdOrName	String	The ID or developer name of the prediction definition to delete the model card from.	Required	41.0

Prediction Definitions Models Resource

Returns a collection of Einstein Discovery prediction definition models.

Resource URL

```
/smartdatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>/models
```

Formats

JSON

Available Version

41.0

HTTP Methods

GET POST

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
predictionDefinitionIdOrName	String	The ID or developer name of the prediction definition to retrieve the models for.	Required	41.0
status	SmartDataDiscovery StatusEnum	Filters the collection by status. Valid values are: <ul style="list-style-type: none"> Disabled 	Optional	41.0

Parameter Name	Type	Description	Required or Optional	Available Version
		<ul style="list-style-type: none"> Enabled 		

Response body for GET

[Smart Data Discovery Model Collection](#)

Request parameters for POST

Parameter Name	Type	Description	Required or Optional	Available Version
model	Smart Data Discovery Model Input	The model to create.	Required	41.0
predictionDefinitionId OrName	String	The ID or developer name of the prediction definition to create a model for.	Required	41.0

Response body for POST

[Smart Data Discovery Model](#)

Prediction Definitions Model Resource

Returns or deletes a model for an Einstein Discovery prediction definition.

Resource URL

```
/smartdatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>/models/<modelId>
```

Formats

JSON

Available Version

41.0

HTTP Methods

GET PATCH DELETE

Request parameters for GET and DELETE

Parameter Name	Type	Description	Required or Optional	Available Version
modelId	String	The ID of the model to retrieve or delete.	Required	41.0
predictionDefinitionId OrName	String	The ID or developer name of the prediction definition to retrieve or delete the model for.	Required	41.0

Response body for GET and PATCH[Smart Data Discovery Model](#)**Request parameters for POST**

Parameter Name	Type	Description	Required or Optional	Available Version
model	Smart Data Discovery Model Input	The model to create.	Required	41.0
modelId	String	The ID of the model to retrieve or delete.	Required	41.0
predictionDefinitionId OrName	String	The ID or developer name of the prediction definition to retrieve or delete the model for.	Required	41.0

Prediction Definitions Model Metrics Resource

Returns a collection of metrics for a prediction definition model.

Resource URL

```
/smartdatadiscovery/predictiondefinitions/<predictionDefinitionIdOrName>/models/<modelId>/metrics
```

Formats

JSON

Available Version

50.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
count	Int	The count of metrics to return.	Optional	50.0
modelId	String	The ID of the model to retrieve or delete.	Required	41.0
predictionDefinitionId OrName	String	The ID or developer name of the prediction definition to retrieve or delete the model for.	Required	41.0
span	MetricSpanEnum	The time span for the metrics. Valid values are: <ul style="list-style-type: none"> Day Month SinceLastAction Week 	Optional	50.0

Response body for GET[Smart Data Discovery Metrics Collection](#)

Predict Jobs Resources

Predict jobs run bulk scoring jobs for predictions. Bulk scoring jobs enable scoring predictions on multiple records at a time. For example, after deploying an updated model, use bulk scoring to refresh all prediction scores.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Predict Jobs Resource	Returns a collection of Einstein Discovery predict jobs and creates a predict job.	GET POST	/smartdatadiscovery/predict-jobs
Predict Job Resource	Returns an Einstein Discovery predict job.	GET PATCH DELETE	/smartdatadiscovery/predict-jobs/<predictJobId>

[Predict Jobs Resource](#)

Returns a collection of Einstein Discovery predict jobs and creates a predict job.

[Predict Job Resource](#)

Returns an Einstein Discovery predict job.

Predict Jobs Resource

Returns a collection of Einstein Discovery predict jobs and creates a predict job.

Resource URL

```
/smartdatadiscovery/predict-jobs
```

Formats

JSON

Available Version

48.0

HTTP Methods

GET POST

Response body for GET[Smart Data Discovery Predict Job Collection](#)

Request body for POST

Parameter Name	Type	Description	Required or Optional	Available Version
predictJob	SmartDataDiscovery PredictJobInput	The predict job information.	Required	48.0

Response body for POST

[Smart Data Discovery Predict Job](#)

Example

For use cases for running a bulk scoring job, see [Manage Prediction Jobs](#).

Predict Job Resource

Returns an Einstein Discovery predict job.

Resource URL

```
/smartdatadiscovery/predict-jobs/<predictJobId>
```

Formats

JSON

Available Version

48.0

HTTP Methods

GET PATCH DELETE

Request parameters for GET and DELETE

Parameter Name	Type	Description	Required or Optional	Available Version
predictJobId	String	The ID of the predict job to retrieve or delete.	Required	48.0

Response body for GET and PATCH

[Smart Data Discovery Predict Job](#)

Request parameters for PATCH

Parameter Name	Type	Description	Required or Optional	Available Version
predictJob	SmartDataDiscovery PredictJobUpdate Input	The predict job to update.	Required	49.0
predictJobId	String	The ID of the predict job to update.	Required	49.0

Predict Resource

Make an Einstein Discovery prediction.

Resource URL

```
/smartdatadiscovery/predict
```

Formats

JSON

Available Version

41.0

HTTP Methods

POST

Request body for POST

Parameter Name	Type	Description	Required or Optional	Available Version
discovery Client	String	The discovery client.	Required	41.0
predict	AbstractSmartDataDiscoveryPredictInput	The predict information. Valid values are: <ul style="list-style-type: none"> SmartDataDiscoveryPredictInput SmartDataDiscoveryPredictRawDataInput SmartDataDiscoveryPredictRecordOverridesInput SmartDataDiscoveryPredictRecordInput 	Required	41.0

Response body for POST

[Smart Data Discovery Predict List](#)

Example

For use cases for requesting a prediction, see [Get Predictions](#).

Predict History Resource

Query the history of Einstein Discovery predictions.

Resource URL

```
/smartdatadiscovery/predict-history
```

Formats

JSON

Available Version

56.0

HTTP Methods

POST

Request body for POST

Parameter Name	Type	Description	Required or Optional	Available Version
predictHistory	PredictHistoryInput	The input for the predict history query.	Required	56.0

Response body for POST[Predict History Collection](#)**Example**

For use cases for querying prediction history, see [Query Prediction History](#).

Refresh Jobs Resources

Refresh jobs run refresh Einstein Discovery models.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Refresh Jobs Resource	Returns a collection of Einstein Discovery refresh jobs.	GET	/smartdatadiscovery/refresh-jobs
Refresh Job Resource	Returns an Einstein Discovery refresh job.	GET	/smartdatadiscovery/refresh-jobs/<refreshJobId>
Refresh Job Refresh Tasks Resource	Returns a collection of refresh tasks for an Einstein Discovery refresh job.	GET	/smartdatadiscovery/refresh-jobs/<refreshJobId>/refresh-tasks

Examples

For use cases to manage refresh jobs, see [Manage Model Refresh Jobs](#).

[Refresh Jobs Resource](#)

Returns a collection of Einstein Discovery refresh jobs.

[Refresh Job Resource](#)

Returns an Einstein Discovery refresh job.

[Refresh Job Refresh Tasks Resource](#)

Returns a collection of refresh tasks for an Einstein Discovery refresh job.

Refresh Jobs Resource

Returns a collection of Einstein Discovery refresh jobs.

Resource URL

```
/smartdatadiscovery/refresh-jobs
```

Formats

JSON

Available Version

50.0

HTTP Methods

GET POST

Response body for GET

[Smart Data Discovery Refresh Job Collection](#)

Refresh Job Resource

Returns an Einstein Discovery refresh job.

Resource URL

```
/smartdatadiscovery/refresh-jobs/<refreshJobId>
```

Formats

JSON

Available Version

50.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
refreshJobId	String	The ID of the refresh job to retrieve.	Required	50.0

Response body for GET

[Smart Data Discovery Refresh Job](#)

Refresh Job Refresh Tasks Resource

Returns a collection of refresh tasks for an Einstein Discovery refresh job.

Resource URL

```
/smartdatadiscovery/refresh-jobs/<refreshJobId>/refresh-tasks
```

Formats

JSON

Available Version

50.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
refreshJobId	String	The ID of the refresh job to retrieve the refresh tasks for.	Required	50.0

Response body for GET
[Smart Data Discovery Refresh Task Collection](#)

Stories Resources

Einstein Discovery stories are used to analyze your data. The insights from stories show you what happened in your data, why it happened, and what could happen.

Available resources:

Resource	Description	Supported HTTP Method	Resource URL
Stories Resource	Returns a collection of Einstein Discovery stories.	GET	/smartdatadiscovery/stories
Story Resource	Returns an Einstein Discovery story.	GET	/smartdatadiscovery/stories/<storyId>
Story Query Resource	Runs a query on the current version of an Einstein Discovery story.	POST	/smartdatadiscovery/stories/<storyId>/query
Story Summary Resource	Returns a summary for the current version of an Einstein Discovery story.	GET	/smartdatadiscovery/stories/<storyId>/summary
Story Histories Resource	Returns a collection of Einstein Discovery story history items.	GET	/smartdatadiscovery/stories/<storyId>/histories
Story History Resource	Returns a specific Einstein Discovery story history item.	GET	/smartdatadiscovery/stories/<storyId>/histories/<historyId>
Story History Query Resource	Runs a query on an Einstein Discovery story history item.	POST	/smartdatadiscovery/stories/<storyId>/histories/<historyId>/query

Resource	Description	Supported HTTP Method	Resource URL
Story History Summary Resource	Returns a summary for an Einstein Discovery story history item.	GET	<code>/smartdatadiscovery/stories/<storyId>/histories/<historyId>/summary</code>

[Stories Resource](#)

Returns a collection of Einstein Discovery stories.

[Story Resource](#)

Returns an Einstein Discovery story.

[Story Query Resource](#)

Queries the current version of an Einstein Discovery story.

[Story Summary Resource](#)

Returns a summary for the current version of an Einstein Discovery story.

[Story Histories Resource](#)

Returns a collection of Einstein Discovery story history items.

[Story History Resource](#)

Returns a specific Einstein Discovery story history item.

[Story History Query Resource](#)

Runs a query on an Einstein Discovery story history item.

[Story History Summary Resource](#)

Returns a summary for an Einstein Discovery story history item.

Stories Resource

Returns a collection of Einstein Discovery stories.

Resource URL

```
/smartdatadiscovery/stories
```

Formats

JSON

Available Version

48.0

Available Components

- LWC — `lightning/analyticSmartDataDiscoveryApi` `getStories()`

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
folderId	Id	Filters the collection by a CRM Analytics folder ID.	Optional	48.0
inputId	Id	Filters the collection by a story input ID.	Optional	48.0
page	String	A generated token that indicates the view of items to be returned.	Optional	48.0
pageSize	Integer	The number of items to be returned in a single page. Minimum is 1, maximum is 200, and default is 25.	Optional	48.0
q	String	Search terms. Individual terms are separated by spaces. A wildcard is automatically appended to the last token in the query string. If the user's search query contains quotation marks or wildcards, those symbols are automatically removed from the query string in the URI along with any other special characters.	Optional	48.0
scope	AnalysisSetupScopeTypeEnum	The type of scope. Valid values are: <ul style="list-style-type: none"> • CreatedByMe • SharedWithMe 	Optional	48.0
sourceType	AnalysisSetupSourceTypeEnum	The type of the source. Valid values are: <ul style="list-style-type: none"> • AnalyticsDataset • LiveDataset • Report 	Optional	48.0
sourceTypes	AnalysisSetupSourceTypeEnum[]	A list of source types. Valid values are: <ul style="list-style-type: none"> • AnalyticsDataset • LiveDataset • Report 	Optional	48.0

Response body for GET[Story Collection](#)

Story Resource

Returns an Einstein Discovery story.

Resource URL

```
/smartdatadiscovery/stories/<storyId>
```

Formats

JSON

Available Version

48.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
storyId	Id	The ID of the story to retrieve.	Required	48.0

Response body for GET[Story](#)

Story Query Resource

Queries the current version of an Einstein Discovery story.

Resource URL

```
/smartdatadiscovery/stories/<storyId>/query
```

Formats

JSON

Available Version

52.0

HTTP Methods

POST

Request parameters for POST

Parameter Name	Type	Description	Required or Optional	Available Version
queryPayload	StoryQueryInput	The query information.	Required	52.0
storyId	String	The ID of the story to query.	Required	52.0

Response body for POST[Story Query](#)

Story Summary Resource

Returns a summary for the current version of an Einstein Discovery story.

Resource URL

```
/smartdatadiscovery/stories/<storyId>/summary
```

Formats

JSON

Available Version

51.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
storyId	String	The ID of the story to retrieve the summary for.	Required	51.0

Response body for GET

[Story Summary Detail](#)

Story Histories Resource

Returns a collection of Einstein Discovery story history items.

Resource URL

```
/smartdatadiscovery/stories/<storyId>/histories
```

Formats

JSON

Available Version

48.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
storyId	String	The ID of the story to retrieve the history items for.	Required	51.0

Response body for GET

[Asset History Collection](#)

Story History Resource

Returns a specific Einstein Discovery story history item.

Resource URL

```
/smartdatadiscovery/stories/<storyId>/histories/<historyId>
```

Formats

JSON

Available Version

51.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
historyId	String	The ID of the story history to retrieve.	Required	51.0
storyId	String	The ID of the story to retrieve.	Required	51.0

Response body for GET

[Story Version](#)

Story History Query Resource

Runs a query on an Einstein Discovery story history item.

Resource URL

```
/smartdatadiscovery/stories/<storyId>/histories/<historyId>/query
```

Formats

JSON

Available Version

52.0

HTTP Methods

POST

Request parameters for POST

Parameter Name	Type	Description	Required or Optional	Available Version
historyId	String	The ID of the story history to query.	Required	52.0
queryPayload	StoryQueryInput	The query information.	Required	52.0
storyId	String	The ID of the story to retrieve the history record for.	Required	52.0

Response body for POST[Story Query](#)

Story History Summary Resource

Returns a summary for an Einstein Discovery story history item.

Resource URL

```
/smartdatadiscovery/stories/<storyId>/histories/<historyId>/summary
```

Formats

JSON

Available Version

51.0

HTTP Methods

GET

Request parameters for GET

Parameter Name	Type	Description	Required or Optional	Available Version
historyId	String	The ID of the story history to retrieve the summary for.	Required	51.0
storyId	String	The ID of the story to retrieve the history record for.	Required	51.0

Response body for GET[Story Summary Detail](#)

EINSTEIN DISCOVERY REST API REQUEST BODIES

To perform a POST, PATCH, or PUT request, pass query parameters or create a request body formatted in either XML or JSON. This chapter lists the request bodies. The query parameters are listed with each resource.

To create a JSON request body, specify the properties of the request body in JSON format.

This is an example of a Comment request body.

```
{
  "body" : "Let's look for a new solution."
}
```

If a request body is top-level, it has a root XML tag listed. To create an XML request body, nest the properties as XML tags inside the root XML tag.

This is the same Einstein Discovery request body in XML format:

```
<comment>
  <body>Let's look for a new solution.</body>
</comment>
```

[Abstract Classification Threshold Input](#)

The base classification threshold input.

[Abstract Smart Data Discovery AI Model Source Input](#)

The base source input for an Einstein Discovery AI model.

[Abstract Smart Data Discovery Field Mapping Source Input](#)

The base Einstein Discovery field mapping source input.

[Abstract Smart Data Discovery Many To One Transformation Input](#)

The base input to identify the transformation as many to one.

[Abstract Smart Data Discovery Model Field Input](#)

The base Einstein Discovery model field create or update.

[Abstract Smart Data Discovery Model Runtime Input](#)

The base Einstein Discovery model runtime input.

[Abstract Smart Data Discovery One To One Transformation Input](#)

The base input to identify the transformation as one to one.

[Abstract Smart Data Discovery Predict Input](#)

The base predict input for Einstein Discovery.

[Abstract Smart Data Discovery Prediction Property Input](#)

The base Einstein Discovery prediction property input.

[Abstract Smart Data Discovery Projected Predictions Interval Setting Input](#)

The base Einstein Discovery projected predictions interval settings input.

[Abstract Smart Data Discovery Transformation Filter Input](#)

The base Einstein Discovery transformation filter input.

Einstein Discovery REST API Request Bodies

[Abstract Smart Data Discovery Transformation Input](#)

The base Einstein Discovery transformation input.

[Abstract Smart Data Discovery Transformation Override Input](#)

The base Einstein Discovery transformation deploy override input.

[Abstract Story Data Property Input](#)

The base Einstein Discovery story data property filter.

[Asset Reference Input](#)

An Einstein Discovery asset reference. This wraps the BaseAssetReferenceInput

[Base Asset Reference Input](#)

The base Einstein Discovery asset, inherited by AssetReferenceInput.

[Binary Classification Threshold Input](#)

A binary classification threshold input.

[Predict History Input](#)

The query input for prediction history.

[Predict History Range Input](#)

The range for prediction history query.

[Smart Data Discovery AI Model Discovery Source Input](#)

The discovery source input for a Smart Data Discovery AI Model.

[Smart Data Discovery AI Model Input](#)

The Einstein Discovery AI model to create or update.

[Smart Data Discovery AI Model Transformation Input](#)

The input for an Einstein Discovery AI model transformation.

[Smart Data Discovery AI Model User Upload Source Input](#)

The user upload source input for a Smart Data Discovery AI Model.

[Smart Data Discovery Categorical Imputation Transformation Input](#)

The input to identify the transformation as categorical imputation.

[Smart Data Discovery Classification Prediction Property Input](#)

The input to identify the prediction type as Classification.

[Smart Data Discovery Cluster Input](#)

The input for cluster definitions.

[Smart Data Discovery Complex Filter Input](#)

The complex filter input for Einstein Discovery.

[Smart Data Discovery Custom Prescribable Field Definition Input](#)

The input for a custom Einstein Discovery prescribable field definition to override default prescription text.

[Smart Data Discovery Customizable Field Input](#)

Input for an Einstein Discovery customizable field.

[Smart Data Discovery Discovery Model Runtime Input](#)

The input to identify the model runtime type as Discovery.

[Smart Data Discovery Extract Day of Week Transformation Input](#)

The input for an extract day of week transformation.

Einstein Discovery REST API Request Bodies

[Smart Data Discovery Extract Month of Year Transformation Input](#)

The input for an extract month of year transformation.

[Smart Data Discovery Field Mapping Analytics Dataset Field Input](#)

Input for an Einstein Discovery field mapped from an analytics dataset source.

[Smart Data Discovery Field Mapping Input](#)

An Einstein Discovery field mapping.

[Smart Data Discovery Field Mapping Salesforce Field Input](#)

Input for an Einstein Discovery field mapped from a Salesforce field source.

[Smart Data Discovery Filter Input](#)

The filter input for Einstein Discovery.

[Smart Data Discovery Filter Value Input](#)

The filter value input for Einstein Discovery.

[Smart Data Discovery Free Text Clustering Transformation Input](#)

The input for a free text clustering transformation.

[Smart Data Discovery H2O Model Runtime Input](#)

The input to identify the model runtime type as H2O.

[Smart Data Discovery Model Input](#)

The Einstein Discovery model to create or update.

[Smart Data Discovery Model Field Date Input](#)

The Einstein Discovery date model field create or update.

[Smart Data Discovery Model Field Numeric Input](#)

The Einstein Discovery numeric model field create or update.

[Smart Data Discovery Model Field Text Input](#)

The Einstein Discovery text model field create or update.

[Smart Data Discovery Multiclass Classification Prediction Property Input](#)

The input to identify the prediction type as Multiclass Classification.

[Smart Data Discovery Narrative Filter Input](#)

The narrative filter metadata.

[Smart Data Discovery Narrative Input](#)

The Einstein Discovery story narrative to retrieve.

[Smart Data Discovery Narrative Insight Input](#)

The narrative insight metadata.

[Smart Data Discovery Narrative Query Input](#)

The query metadata for the Einstein Discovery story narrative to retrieve.

[Smart Data Discovery Numeric Range Input](#)

A numeric range for a field.

[Smart Data Discovery Numeric Transformation Filter Input](#)

The input for a numeric transformation filter.

[Smart Data Discovery Numerical Imputation Transformation Input](#)

The input for a numerical imputation transformation.

Einstein Discovery REST API Request Bodies

[Smart Data Discovery Predict Extension Input](#)

The predict record extension input for Einstein Discovery.

[Smart Data Discovery Predict Input](#)

The predict input for Einstein Discovery.

[Smart Data Discovery Predict Nested Row List Input](#)

The predict nested row list input for Einstein Discovery.

[Smart Data Discovery Predict Job Input](#)

The predict job input for Einstein Discovery.

[Smart Data Discovery Predict Job Update Input](#)

The input to update a predict job for Einstein Discovery.

[Smart Data Discovery Predict Settings Input](#)

The predict settings input for Einstein Discovery.

[Smart Data Discovery Predict Raw Data Input](#)

The predict raw data input for Einstein Discovery.

[Smart Data Discovery Predict Record Overrides Input](#)

The predict record overrides input for Einstein Discovery.

[Smart Data Discovery Predict Record Input](#)

The predict record input for Einstein Discovery.

[Smart Data Discovery Prescribable Field Input](#)

Input for an Einstein Discovery prescribable field.

[Smart Data Discovery Projected Prediction Settings Input](#)

The projected prediction settings input for Einstein Discovery.

[Smart Data Discovery Projected Predictions Count From Date Interval Setting Input](#)

The input for settings for an Einstein Discovery count from date based projection interval.

[Smart Data Discovery Projected Predictions Count Interval Setting Input](#)

The input for settings for an Einstein Discovery count based projection interval.

[Smart Data Discovery Projected Predictions Date Interval Setting Input](#)

The input for settings for an Einstein Discovery date interval.

[Smart Data Discovery Projected Predictions Historical Dataset Source Input](#)

The input for projected predictions transformation.

[Smart Data Discovery Projected Predictions Override Input](#)

The input for deploy time projected predictions transformation overrides.

[Smart Data Discovery Projected Predictions Transformation Input](#)

The input for a projected predictions transformation.

[Smart Data Discovery Regression Prediction Property Input](#)

The input to identify the prediction type as Regression.

[Smart Data Discovery Scikit Learn 102 Model Runtime Input](#)

The input to identify the model runtime type as Scikit Learn v1.0.2.

[Smart Data Discovery Sentiment Analysis Transformation Input](#)

The input for a sentiment analysis transformation.

[Smart Data Discovery TensorFlow 27 Model Runtime Input](#)

The input to identify the model runtime type as TensorFlow v2.7.0.

[Smart Data Discovery TensorFlow Model Runtime Input](#)

The input to identify the model runtime type as TensorFlow.

[Smart Data Discovery Text Transformation Filter Input](#)

The input for a text transformation filter.

[Story Day Field Value Input](#)

The story data day property.

[Story Day of Week Field Value Input](#)

The story data day of week property.

[Story Field Only Input](#)

The story data field property.

[Story Month Field Value Input](#)

The story data month property.

[Story Month of Year Field Value Input](#)

The story data month of year property.

[Story Null Field Value Input](#)

The story data null property.

[Story Quarter Field Value Input](#)

The story data quarter property.

[Story Quarter of Year Field Value Input](#)

The story data quarter of year property.

[Story Query Input](#)

The input to query an Einstein Discovery story.

[Story Range Field Value Input](#)

The story data range property.

[Story Text Field Value Input](#)

The story data text property.

[Story Year Field Value Input](#)

The story data year property.

Abstract Classification Threshold Input

The base classification threshold input.

Properties

Inherited by [Binary Classification Threshold Input](#).

Property Name	Type	Description	Required or Optional	Available Version
type	ClassificationType Enum	The classification type. Valid values are: <ul style="list-style-type: none"> Binary 	Required	47.0

Abstract Smart Data Discovery AI Model Source Input

The base source input for an Einstein Discovery AI model.

Properties

Inherited by [Smart Data Discovery AI Model Discovery Source Input](#) and [Smart Data Discovery AI Model User Upload Source Input](#).

Property Name	Type	Description	Required or Optional	Available Version
type	SmartDataDiscovery ModelSourceType Enum	The model source type. Valid values are: <ul style="list-style-type: none"> Discovery UserUpload 	Required	51.0

Abstract Smart Data Discovery Field Mapping Source Input

The base Einstein Discovery field mapping source input.

Properties

Inherited by [Smart Data Discovery Field Mapping Analytics Dataset Field Input](#) and [Smart Data Discovery Field Mapping Salesforce Field Input](#).

Property Name	Type	Description	Required or Optional	Available Version
type	SmartDataDiscovery FieldMapSource TypeEnum	The source type for the field mapping. Valid values are: <ul style="list-style-type: none"> AnalyticsDatasetField SalesforceField 	Required	48.0

Abstract Smart Data Discovery Many To One Transformation Input

The base input to identify the transformation as many to one.

Properties

Inherits properties from [AbstractSmartDataDiscoveryTransformationInput](#).

Inherited by [Smart Data Discovery Categorical Imputation Transformation Input](#).

Property Name	Type	Description	Required or Optional	Available Version
postTransformationFilter	AbstractSmartDataDiscoveryTransformationFilterInput	The filter applied after the transformation is executed. Valid values are: <ul style="list-style-type: none"> SmartDataDiscoveryNumericTransformationFilterInput SmartDataDiscoveryTextTransformationFilterInput 	Optional	55.0
sourceFieldNames	String[]	A list of field names for the data to transform.	Required	55.0
targetFieldName	String	The field name to write the transformed value to.	Required	55.0

Abstract Smart Data Discovery Model Field Input

The base Einstein Discovery model field create or update.

Properties

Inherited by [Smart Data Discovery Model Field Date Input](#), [Smart Data Discovery Model Numeric Field Input](#) and [Smart Data Discovery Model Field Text Input](#).

Property Name	Type	Description	Required or Optional	Available Version
disparateImpact	Boolean	Indicates whether the model field is disparate impact (<code>true</code>) or not (<code>false</code>).	Required	55.0
label	String	The label of the model field.	Required	48.0
name	String	The name of the model field.	Required	48.0
sensitive	Boolean	Indicates whether the model field is sensitive (<code>true</code>) or not (<code>false</code>).	Optional	55.0
type	SmartDataDiscoveryModelFieldType Enum	The type of the model field. Valid values are: <ul style="list-style-type: none"> <code>Date</code> <code>Number</code> <code>Text</code> 	Small, 48.0	48.0

Abstract Smart Data Discovery Model Runtime Input

The base Einstein Discovery model runtime input.

Properties

Inherited by [Smart Data Discovery Discovery Model Runtime Input](#), [Smart Data Discovery H2O Model Runtime Input](#), [Smart Data Discovery ScikitLearn 120 Model Runtime Input](#), [Smart Data Discovery TensorFlow 27 Model Runtime Input](#), and [Smart Data Discovery TensorFlow Model Runtime Input](#)

Property Name	Type	Description	Required or Optional	Available Version
type	SmartDataDiscoveryModelRuntimeTypeEnum	The runtime type for the model. Valid values are: <ul style="list-style-type: none"> Discovery H2O Py36Tensorflow244 (TensorFlow) Py37Scikitlearn102 (Scikit Learn v1.0.2) Py37Tensorflow207 (TensorFlow v2.7.0) 	Required	49.0

Abstract Smart Data Discovery One To One Transformation Input

The base input to identify the transformation as one to one.

Properties

Inherits properties from [AbstractSmartDataDiscoveryTransformationInput](#).

Inherited by [Smart Data Discovery Extract Day Of Week Transformation Input](#), [Smart Data Discovery Extract Month Of Year Transformation Input](#), [Smart Data Discovery Free Text Clustering Transformation Input](#), [Smart Data Discovery Numerical Imputation Transformation Input](#), [Smart Data Discovery Projected Predictions Transformation Input](#) and [Smart Data Discovery Sentiment Analysis Transformation Input](#).

Property Name	Type	Description	Required or Optional	Available Version
postTransformationFilter	AbstractSmartDataDiscoveryTransformationFilterInput	The filter applied after the transformation is executed. Valid values are: <ul style="list-style-type: none"> SmartDataDiscoveryNumericTransformationFilterInput SmartDataDiscoveryTextTransformationFilterInput 	Optional	55.0
sourceFieldNames	String[]	A list of field names for the data to transform.	Required	55.0
targetFieldName	String	The field name to write the transformed value to.	Required	55.0

Abstract Smart Data Discovery Predict Input

The base predict input for Einstein Discovery.

Properties

Inherited by [SmartDataDiscoveryPredictInput](#), [SmartDataDiscoveryPredictRawDataInput](#), [SmartDataDiscoveryPredictRecordOverridesInput](#), and [SmartDataDiscoveryPredictRecordInput](#).

Property Name	Type	Description	Required or Optional	Available Version
model	Asset Reference Input	The model for the predict	Required	48.0
prediction Definition	String	The prediction definition ID for the predict.	Required	44.0
settings	Smart Data Discover Predict Settings Input	The settings to control the predict output.	Optional	46.0
type	SmartDataDiscoveryPredictTypeEnum	The predict type. Valid values are: <ul style="list-style-type: none"> • <code>RawData</code> (Represent rows within a two-dimensional array of row values) • <code>RecordOverrides</code> (Represent records using Salesforce record Ids. Optionally override or append individual records with an array of row values) • <code>Records</code> (Represent rows using Salesforce record Ids associated with the <code>subscribedEntity</code> of the prediction definition) 	Required	44.0

Abstract Smart Data Discovery Prediction Property Input

The base Einstein Discovery prediction property input.

Properties

Inherited by [Smart Data Discovery Classification Prediction Property Input](#), [Smart Data Discovery Multiclass Classification Prediction Property Input](#), and [Smart Data Discovery Regression Prediction Property Input](#).

Property Name	Type	Description	Required or Optional	Available Version
type	SmartDataDiscoveryPredictionTypeEnum	The prediction type for the model. Valid values are: <ul style="list-style-type: none"> • <code>Classification</code> 	Required	55.0

Property Name	Type	Description	Required or Optional	Available Version
		<ul style="list-style-type: none"> MulticlassClassification Regression Unknown 		

Abstract Smart Data Discovery Projected Predictions Interval Setting Input

The base Einstein Discovery projected predictions interval settings input.

Properties

Inherited by [Smart Data Discovery Projected Predictions Count From Date Interval Setting Input](#), [Smart Data Discovery Projected Predictions Count Interval Setting Input](#), and [Smart Data Discovery Projected Predictions Date Interval Setting Input](#).

Property Name	Type	Description	Required and Optional	Available Version
type	SmartDataDiscovery ProjectedPredictions IntervalSettingType Enum	The projected predictions interval setting type. Valid values are: <ul style="list-style-type: none"> Count CountFromDate Date 	Required	55.0

Abstract Smart Data Discovery Transformation Filter Input

The base Einstein Discovery transformation filter input.

Properties

Inherited by [Smart Data Discovery Discovery Numeric Transformation Filter Input](#) and [Smart Data Discovery Discovery Text Transformation Filter Input](#)

Property Name	Type	Description	Required or Optional	Available Version
type	SmartDataDiscovery TransformationFilter TypeEnum	The transformation filter type for the model. Valid values are: <ul style="list-style-type: none"> Number Text 	Required	55.0

Abstract Smart Data Discovery Transformation Input

The base Einstein Discovery transformation input.

Properties

Inherited by [Abstract Smart Data Discovery Discovery Many To One Transformation Input](#) and [Abstract Smart Data Discovery Discovery One To One Transformation Input](#)

Property Name	Type	Description	Required or Optional	Available Version
type	SmartDataDiscovery AIModel TransformationType Enum	The runtime type for the model. Valid values are: <ul style="list-style-type: none"> • <code>CategoricalImputation</code> (Replace categorical missing values) • <code>ExtractDayOfWeek</code> (Extract day of week) • <code>ExtractMonthOfYear</code> (Extract month of year) • <code>FreeTextClustering</code> (Free text clustering) • <code>NumericalImputation</code> (Replace numerical missing values) • <code>SentimentAnalysis</code> (Detecting sentiment) • <code>TimeSeriesForecast</code> (Projected predictions) • <code>TypographicClustering</code> (Fuzzy matching) 	Required	55.0

Abstract Smart Data Discovery Transformation Override Input

The base Einstein Discovery transformation deploy override input.

Properties

Inherited by [Smart Data Discovery Projected Predictions Override Input](#).

Property Name	Type	Description	Required or Optional	Available Version
input	AssetReference Input	A transformation asset associated with the override settings.	Required	55.0
type	SmartDataDiscovery AIModel	The transformation type. Valid values are: <ul style="list-style-type: none"> • <code>CategoricalImputation</code> (Replace categorical missing values) 	Required	55.0

Property Name	Type	Description	Required or Optional	Available Version
	TransformationType Enum	<ul style="list-style-type: none"> • <code>ExtractDayOfWeek</code> (Extract day of week) • <code>ExtractMonthOfYear</code> (Extract month of year) • <code>FreeTextClustering</code> (Freetext clustering) • <code>NumericalImputation</code> (Replace numerical missing values) • <code>SentimentAnalysis</code> (Detecting sentiment) • <code>TimeSeriesForecast</code> (Projected predictions) • <code>TypographicClustering</code> (Fuzzy matching) 		

Abstract Story Data Property Input

The base Einstein Discovery story data property filter.

Properties

Inherited by [Story Day Field Value Input](#), [Story Day Of Week Field Value Input](#), [Story Field Only Input](#), [Story Month Field Value Input](#), [Story Month Of Year Field Value Input](#), [Story Null Field Value Input](#), [Story Quarter Field Value Input](#), [Story Quarter Of Year Field Value Input](#), [Story Range Field Value Input](#), [Story Text Field Value Input](#), and [Story Year Field Value Input](#).

Property Name	Type	Description	Required or Optional	Available Version
<code>field</code>	String	The filter field developer name.	Required	52.0
<code>type</code>	String	The filter field type.	Required	52.0

Asset Reference Input

An Einstein Discovery asset reference. This wraps the `BaseAssetReferenceInput`

Properties

[Base Asset Reference Input](#)

Base Asset Reference Input

The base Einstein Discovery asset, inherited by `AssetReferenceInput`.

Properties

Property Name	Type	Description	Required or Optional	Available Version
id	String	The ID of the asset.	Required	42.0
name	String	The developer name of the asset.	Required	42.0
namespace	String	The namespace that qualifies the asset name.	Optional	42.0

Binary Classification Threshold Input

A binary classification threshold input.

Properties

Inherits properties from [AbstractClassificationThresholdInput](#).

Property Name	Type	Description	Required or Optional	Available Version
value	Double	The data for a source analysis.	Required	47.0

Predict History Input

The query input for prediction history.

Properties

Property Name	Type	Description	Required or Optional	Available Version
goalId	ID	The ID of the goal.	Required	56.0
range	PredictHistoryRangeInput	The range for the prediction history query.	Required	56.0
targets	String[]	The list of targets to query.	Optional	56.0

Predict History Range Input

The range for prediction history query.

Properties

Property Name	Type	Description	Required or Optional	Available Version
interval	PredictHistory IntervalEnum	The interval for look back. Valid values are: <ul style="list-style-type: none"> None Weekly 	Optional	56.0
maxLookBack	Integer	The maximum look back period.	Optional	56.0

Smart Data Discovery AI Model Discovery Source Input

The discovery source input for a Smart Data Discovery AI Model.

Properties

Inherits properties from [AbstractSmartDataDiscoveryAIModelDiscoverySourceInput](#).

Property Name	Type	Description	Required or Optional	Available Version
runId	Asset Reference Input	The run ID that created this AI model.	Required	48.0

Smart Data Discovery AI Model Input

The Einstein Discovery AI model to create or update.

Properties

Property Name	Type	Description	Required or Optional	Available Version
description	String	The description for the AI model.	Optional	48.0
input	AbstractSmartDataDiscoveryAIModelSourceInput	The input source for the AI model. Valid data properties are: <ul style="list-style-type: none"> Smart Data Discovery AI Model Discovery Source Input Smart Data Discovery AI Model User Upload Source Input 	Required	48.0
label	String	The label for the AI model.	Optional	48.0

Property Name	Type	Description	Required or Optional	Available Version
modelFields	AbstractSmartDataDiscoveryModelFieldInput[]	The list of model fields for the AI model. Valid values are: <ul style="list-style-type: none"> SmartDataDiscoveryModelFieldDateInput SmartDataDiscoveryModelFieldNumericInput SmartDataDiscoveryModelFieldTextInput 	Required	48.0
input	AbstractSmartDataDiscoveryModelRuntimeInput	The runtime for the AI model. Valid runtimes are: <ul style="list-style-type: none"> Smart Data Discovery Discovery Model Runtime Input Smart Data Discovery H2O Model Runtime Input Smart Data Discovery ScikitLearn 120 Model Runtime Input Smart Data Discovery TensorFlow 27 Model Runtime Input Smart Data Discovery TensorFlow Model Runtime Input 	Required	48.0
name	String	The developer name for the AI model.	Required	48.0
predictedField	String	The field name that the AI model is trying to predict.	Optional	48.0
predictionProperty	AbstractSmartDataDiscoveryPredictionPropertyInput	The prediction property of the AI model. Valid prediction properties are: <ul style="list-style-type: none"> Smart Data Discovery Classification Prediction Property Input Smart Data Discovery Multiclass Classification Prediction Property Input Smart Data Discovery Regression Prediction Property Input 	Optional	48.0
status	ConnectEDInsightTypeEnum	The status of the AI model. Valid values are: <ul style="list-style-type: none"> Disabled Enabled UploadCompleted UploadFailed Uploading Validating 	Optional	49.0

Property Name	Type	Description	Required or Optional	Available Version
		<ul style="list-style-type: none"> ValidationCompleted ValidationFailed 		
transformations	Smart Data Discovery AI Model Transformation Input[]	A list of transformations associated with this AI model.	Small, 48.0	48.0
validationResult	Object	The validation result of the AI model.	Optional	50.0

Smart Data Discovery AI Model Transformation Input

The input for an Einstein Discovery AI model transformation.

Properties

Property Name	Type	Description	Required or Optional	Available Version
sourceFieldsNames	String[]	A list of the model field names to use as input parameters by the transformation.	Required	54.0
state	Object	The model transformation state.	Required	51.0
targetFieldsNames	String[]	A list of the model field names to modify with the transformation.	Required	54.0
type	SmartDataDiscovery AIModel TransformationType Enum	<p>The model transformation type. Valid values are:</p> <ul style="list-style-type: none"> CategoricalImputation (Replace categorical missing values) ExtractDayOfWeek (Extract day of week) ExtractMonthOfYear (Extract month of year) FreeTextClustering (Free text clustering) NumericalImputation (Replace numerical missing values) SentimentAnalysis (Detecting sentiment) TimeSeriesForecast (Projected predictions) 	Required	51.0

Property Name	Type	Description	Required or Optional	Available Version
		<ul style="list-style-type: none"> TypographicClustering (Fuzzy matching) 		

Smart Data Discovery AI Model User Upload Source Input

The user upload source input for a Smart Data Discovery AI Model.

Properties

Inherits properties from [AbstractSmartDataDiscoveryAIModelDiscoverySourceInput](#).

Smart Data Discovery Categorical Imputation Transformation Input

The input to identify the transformation as categorical imputation.

Properties

Inherits properties from [AbstractSmartDataDiscoveryManyToOneTransformationInput](#).

Property Name	Type	Description	Required or Optional	Available Version
imputeMethod	SmartDataDiscovery Categorical ImputationMethod Enum	The algorithm type for the classification. Valid values are: <ul style="list-style-type: none"> Auto 	Required	55.0

Smart Data Discovery Classification Prediction Property Input

The input to identify the prediction type as Classification.

Properties

Inherits properties from [AbstractSmartDataDiscoveryPredictionPropertyInput](#).

Property Name	Type	Description	Required or Optional	Available Version
algorithmType	SmartDataDiscovery Classification AlgorithmType Enum	The algorithm type for the classification. Valid values are: <ul style="list-style-type: none"> Best (Model tournament) Drf (Distributed Random Forest) Gbm (GBM) Glm (GLM) Xgboost (XGBoost) 	Required	49.0

Property Name	Type	Description	Required or Optional	Available Version
classificationThreshold	Abstract Classification ThresholdInput	The classification threshold for the model. Valid values are: <ul style="list-style-type: none"> BinaryClassificationThresholdInput 	Required	48.0

Smart Data Discovery Cluster Input

The input for cluster definitions.

Properties

Property Name	Type	Description	Required or Optional	Available Version
ignored	Boolean	Indicates whether the cluster is ignored (<code>true</code>) or not (<code>false</code>).	Required	55.0
label	String	The label for the cluster.	Optional	55.0
name	String	The name for the cluster.	Required	55.0
values	String[]	A list of values in the cluster.	Required	55.0

Smart Data Discovery Complex Filter Input

The complex filter input for Einstein Discovery.

Properties

Property Name	Type	Description	Required or Optional	Available Version
filters	SmartDataDiscovery FilterInput[]	The list of filters that make up the complex filter.	Required	46.0

Smart Data Discovery Custom Prescribable Field Definition Input

The input for a custom Einstein Discovery prescribable field definition to override default prescription text.

Properties

Property Name	Type	Description	Required or Optional	Available Version
filters	SmartDataDiscovery FilterInput[]	A list of filter rules for enabling custom text.	Required	50.0

Property Name	Type	Description	Required or Optional	Available Version
templateText	String	The template text to use in replacements.	Required	50.0

Smart Data Discovery Customizable Field Input

Input for an Einstein Discovery customizable field.

Properties

Property Name	Type	Description	Required or Optional	Available Version
customDefinitions	SmartDataDiscoveryCustomPrescribableFieldDefinitionInput[]	A list of custom field definitions.	Required	57.0
fieldName	String	The name of the customizable field.	Required	57.0

Smart Data Discovery Discovery Model Runtime Input

The input to identify the model runtime type as Discovery.

Properties

Inherits properties from [AbstractSmartDataDiscoveryModelRuntimeInput](#).

Smart Data Discovery Extract Day of Week Transformation Input

The input for an extract day of week transformation.

Properties

Inherits properties from [AbstractSmartDataDiscoveryOneToOneTransformationInput](#).

Smart Data Discovery Extract Month of Year Transformation Input

The input for an extract month of year transformation.

Properties

Inherits properties from [AbstractSmartDataDiscoveryOneToOneTransformationInput](#).

Smart Data Discovery Field Mapping Analytics Dataset Field Input

Input for an Einstein Discovery field mapped from an analytics dataset source.

Properties

Inherits properties from [AbstractSmartDataDiscoveryFieldMappingSourceInput](#).

Property Name	Type	Description	Required or Optional	Available Version
subjectField JoinKey	String	The sObject field name used as the join key.	Required	48.0
source	AssetReference Input	A source ID of the analytics dataset asset.	Required	48.0
sourceField JoinKey	String	The source dataset field name used as the join key.	Required	48.0

Smart Data Discovery Field Mapping Input

An Einstein Discovery field mapping.

Properties

Property Name	Type	Description	Required or Optional	Available Version
input	AbstractSmartDataDiscoveryFieldMappingSource Input	The field mapping source. Valid values are: <ul style="list-style-type: none"> Smart Data Discovery Field Mapping Analytics Dataset Field Input Smart Data Discovery Field Mapping Salesforce Field Input 	Required	48.0
mappedField Name	String	The mapped field name.	Required	48.0
modelField Name	String	The model field.	Required	48.0

Smart Data Discovery Field Mapping Salesforce Field Input

Input for an Einstein Discovery field mapped from a Salesforce field source.

Properties

Inherits properties from [AbstractSmartDataDiscoveryFieldMappingSourceInput](#).

Smart Data Discovery Filter Input

The filter input for Einstein Discovery.

Properties

Property Name	Type	Description	Required or Optional	Available Version
fieldName	String	The developer name of the field the filter applies to.	Required	41.0
filterValues	SmartDataDiscoveryFilterValueInput[]	An ordered list of the values to compare with.	Required	50.0
operator	ConnectSmartDataDiscoveryFilterOperatorEnum	The operator to use in the filter. Valid values are: <ul style="list-style-type: none"> Between Contains EndsWith Equal GreaterThan GreaterThanOrEqual InSet LessThan LessThanOrEqual NotBetween NotEqual NotIn StartsWith 	Required	41.0
type	SmartDataDiscoveryFilterFieldTypeEnum	The field type for the filter. Valid values are: <ul style="list-style-type: none"> Boolean Date DateTime Number Text 	Required	48.0

Smart Data Discovery Filter Value Input

The filter value input for Einstein Discovery.

Properties

Property Name	Type	Description	Required or Optional	Available Version
type	SmartDataDiscovery FilterValueType Enum	The type of the filter value. Valid values are: <ul style="list-style-type: none"> Constant Placeholder 	Required	50.0
value	String	The value for the filter. The value is a constant or a placeholder	Required	50.0

Smart Data Discovery Free Text Clustering Transformation Input

The input for a free text clustering transformation.

Properties

Inherits properties from [AbstractSmartDataDiscoveryOneToOneTransformationInput](#).

Smart Data Discovery H2O Model Runtime Input

The input to identify the model runtime type as H2O.

Properties

Inherits properties from [AbstractSmartDataDiscoveryModelRuntimeInput](#).

Smart Data Discovery Model Input

The Einstein Discovery model to create or update.

Properties

Property Name	Type	Description	Required or Optional	Available Version
analysis	AssetReferenceInput	The analysis connected with the given model.	Optional	46.0
classification Threshold	AbstractClassificationThresholdInput	The classification threshold for the model. Valid values are: <ul style="list-style-type: none"> BinaryClassificationThresholdInput 	Required	48.0
customizable Factors	SmartDataDiscoveryCustomizableFieldInput[]	A list of customizable top factors for the model.	Optional	57.0

Property Name	Type	Description	Required or Optional	Available Version
fieldMapping	SmartDataDiscoveryFieldMappingInput[]	A list mapping the model fields to Salesforce fields.	Required	48.0
filterList	SmartDataDiscoveryComplexFilterInput[]	A list of filters used to determine whether a row can be evaluated by this model.	Required	41.0
isRefreshEnabled	Boolean	Indicates whether this model is included in the refresh schedule (<code>true</code>) or not (<code>false</code>).	Optional	50.0
label	String	The label of the model.	Required	41.0
model	AssetReferenceInput	A ID for the associated AI model.	Required	48.0
name	String	The developer name of the model.	Small, 41.0	41.0
prescribableFields	SmartDataDiscoveryPrescribableFieldInput[]	A list of the prescribable fields for the model.	Required	48.0
sortOrder	Integer	A unique number indicating the order in which this model's filters are evaluated compared to all other models in the parent prediction definition.	Required	41.0
status	SmartDataDiscoveryStatusEnum	The status of the model. Valid values are: <ul style="list-style-type: none"> Disabled Enabled 	Required	46.0
transformationOverrides	AbstractSmartDataDiscoveryPrescribableField[]	A list of the transformation overrides for the model. Valid values are: <ul style="list-style-type: none"> Smart Data Discovery Projected Predictions Override Input 	Required	48.0

Smart Data Discovery Model Field Date Input

The Einstein Discovery date model field create or update.

Properties

Inherits properties from [AbstractSmartDataDiscoveryModelFieldInput](#).

Property Name	Type	Description	Required or Optional	Available Version
values	String[]	A list of model field unique values.	Required	56.0

Smart Data Discovery Model Field Numeric Input

The Einstein Discovery numeric model field create or update.

Properties

Inherits properties from [AbstractSmartDataDiscoveryModelFieldInput](#).

Property Name	Type	Description	Required or Optional	Available Version
values	SmartDataDiscoveryNumericRangeInput[]	A list of model field unique values.	Required	56.0

Smart Data Discovery Model Field Text Input

The Einstein Discovery text model field create or update.

Properties

Inherits properties from [AbstractSmartDataDiscoveryModelFieldInput](#).

Property Name	Type	Description	Required or Optional	Available Version
values	String[]	A list of model field unique values.	Required	56.0

Smart Data Discovery Multiclass Classification Prediction Property Input

The input to identify the prediction type as Multiclass Classification.

Properties

Inherits properties from [AbstractSmartDataDiscoveryPredictionPropertyInput](#).

Property Name	Type	Description	Required or Optional	Available Version
algorithmType	SmartDataDiscoveryClassificationAlgorithmTypeEnum	The algorithm type for the classification. Valid values are: <ul style="list-style-type: none"> Best (Model tournament) Drf (Distributed Random Forest) Gbm (GBM) Glm (GLM) Xgboost (XGBoost) 	Required	52.0

Smart Data Discovery Narrative Filter Input

The narrative filter metadata.

Properties

Property Name	Type	Description	Required or Optional	Available Version
columns	String	The columns to use in the filter.	Required	51.0
property	AbstractStoryDataPropertyInput	The filter for the query service to use. Valid data properties are: <ul style="list-style-type: none"> Story Day Field Value Input Story Day Field Value Input Story Field Only Value Input Story Month Field Value Input Story Month Of Year Field Value Input Story Null Field Value Input Story Quarter Field Value Input Story Quarter Of Year Field Value Input Story Range Field Value Input Story Text Field Value Input Story Year Field Value Input 	Required	51.0
values	String[]	The list of values to use with the fields in the filter.	Required	51.0

Smart Data Discovery Narrative Input

The Einstein Discovery story narrative to retrieve.

Properties

Property Name	Type	Description	Required or Optional	Available Version
includeWarnings	Boolean	Indicates whether the warning data should be included (<code>true</code>) or not (<code>false</code>).	Optional	51.0
query	SmartDataDiscoveryNarrativeQueryInput	The query body containing the information for generating the narrative.	Required	51.0
story	AssetReferenceInput	The story to use for generating the narrative.	Required	51.0
storyId	String	The ID of the story to use for generating the narrative.	Required	51.0

Property Name	Type	Description	Required or Optional	Available Version
<code>type</code>	String	The type of the narrative source.	Required	51.0

Smart Data Discovery Narrative Insight Input

The narrative insight metadata.

Properties

Property Name	Type	Description	Required or Optional	Available Version
<code>insightType</code>	ConnectEDInsightTypeEnum	The insight type to return. Valid values are: <ul style="list-style-type: none"> Descriptive Summary 	Required	51.0
<code>narrativeType</code>	ConnectEDNarrativeTypeEnum	The narrative type to return. Valid values are: <ul style="list-style-type: none"> Positive Negative 	Required	51.0
<code>numInsights</code>	Integer	The number of insights to return.	Required	51.0

Smart Data Discovery Narrative Query Input

The query metadata for the Einstein Discovery story narrative to retrieve.

Properties

Property Name	Type	Description	Required or Optional	Available Version
<code>filters</code>	SmartDataDiscoveryNarrativeFilterInput[]	The list of filters for the query.	Required	51.0
<code>insight</code>	SmartDataDiscoveryNarrativeQueryInput	The insights for the query.	Required	51.0

Smart Data Discovery Numeric Range Input

A numeric range for a field.

Properties

Property Name	Type	Description	Required or Optional	Available Version
max	Double	The maximum value for the range.	Required	57.0
min	Double	The minimum value for the range.	Required	57.0

Smart Data Discovery Numeric Transformation Filter Input

The input for a numeric transformation filter.

Properties

Inherits properties from [AbstractSmartDataDiscoveryTransformationFilterInput](#).

Property Name	Type	Description	Required or Optional	Available Version
max	Double	The upper bound to be included.	Required	55.0
min	Double	The lower bound to be included.	Required	55.0

Smart Data Discovery Numerical Imputation Transformation Input

The input for a numerical imputation transformation.

Properties

Inherits properties from [AbstractSmartDataDiscoveryOneToOneTransformationInput](#).

Property Name	Type	Description	Required or Optional	Available Version
imputeMethod	SmartDataDiscovery Numerical ImputationMethod Enum	The numerical imputation method. Valid values are: <ul style="list-style-type: none"> • Mean • Median • Mode 	Required	51.0

Smart Data Discovery Predict Extension Input

The predict record extension input for Einstein Discovery.

Properties

Property Name	Type	Description	Required or Optional	Available Version
record	ID	The ID of the record.	Required	44.0
row	String[]	A list of the rows for the extension.	Required	44.0

Smart Data Discovery Predict Input

The predict input for Einstein Discovery.

Properties

Inherits properties from [AbstractSmartDataDiscoveryPredictInput](#).

Property Name	Type	Description	Required or Optional	Available Version
entityId	String	The entity ID to run a prediction on.	Required	43.0
exploratory Values	Map<String, String>	A map of data values.	Required	43.0
prediction DefinitionId	String	The model ID to use for the prediction.	Required	43.0

Smart Data Discovery Predict Nested Row List Input

The predict nested row list input for Einstein Discovery.

Properties

Property Name	Type	Description	Required or Optional	Available Version
row	String[]	A list of the rows.	Required	44.0

Smart Data Discovery Predict Job Input

The predict job input for Einstein Discovery.

Properties

Property Name	Type	Description	Required or Optional	Available Version
<code>filter</code>	SmartDataDiscoveryComplexFilterInput	The filters to score a portion of the records. If no filters are specified, then all records are scored. If specified, use one type of filter, either <code>useTerminalStateFilter</code> or <code>filters</code> , but not both.	Optional	48.0
<code>label</code>	String	The label for the scoring job.	Required	48.0
<code>predictionDefinition</code>	AssetReferenceInput	The ID of the prediction definition for the scoring job.	Required	48.0
<code>useTerminalStateFilter</code>	Boolean	Indicates whether the job should score any record NOT matching the terminal state filter on the goal (<code>true</code>) or not (<code>false</code>).	Optional	49.0

Smart Data Discovery Predict Job Update Input

The input to update a predict job for Einstein Discovery.

Properties

Property Name	Type	Description	Required or Optional	Available Version
<code>status</code>	SmartDataDiscoveryPredictJobStatusEnum	The status of the predict job. Valid values are: <ul style="list-style-type: none"> Cancelled Completed Failed InProgress NotStarted Paused 	Required	46.0

Smart Data Discovery Predict Settings Input

The predict settings input for Einstein Discovery.

Properties

Property Name	Type	Description	Required or Optional	Available Version
aggregate Functions	String[]	A list of the aggregate functions to use.	Optional	55.0
maxMiddle Values	Integer	The maximum middle value count. The default value is 0 and the allowed range is [0, 3].	Optional	50.0
max Prescriptions	Integer	The maximum prescription count. The default value is -1 (unlimited) and the allowed range is [-1, 200].	Optional	46.0
prescription Impact Percentage	Integer	The impact percentage of the prescriptions. The default value is 0.	Optional	47.0
projected Predictions	SmartDataDiscovery ProjectedPrediction SettingsInput	The setting overrides for projected predictions.	Optional	54.0

Smart Data Discovery Predict Raw Data Input

The predict raw data input for Einstein Discovery.

Properties

Property Name	Type	Description	Required or Optional	Available Version
columnNames	String[]	A comma-separated list of column names representing the columns that the model analyzes.	Required	44.0
rows	SmartDataDiscovery PredictNestedRow ListInput[]	A list of row names and values.	Required	44.0

Smart Data Discovery Predict Record Overrides Input

The predict record overrides input for Einstein Discovery.

Properties

Property Name	Type	Description	Required or Optional	Available Version
columnNames	String[]	A comma-separated list of column names representing the columns that the model analyzes.	Required	44.0
rows	SmartDataDiscoveryPredictExtensionInput[]	A list of containing the Salesforce record IDs.	Required	44.0

Smart Data Discovery Predict Record Input

The predict record input for Einstein Discovery.

Properties

Property Name	Type	Description	Required or Optional	Available Version
records	String[]	A list of comma-separated Salesforce record IDs associated with the subscribedEntity of the prediction definition. Maximum of 200 records allowed.	Required	44.0

Smart Data Discovery Prescribable Field Input

Input for an Einstein Discovery prescribable field.

Properties

Property Name	Type	Description	Required or Optional	Available Version
customDefinitions	SmartDataDiscoveryCustomPrescribableFieldDefinitionInput[]	A list of custom prescribable field definitions to override default prescription text.	Required	50.0
fieldName	String	The name of the prescribable field.	Required	50.0

Smart Data Discovery Projected Prediction Settings Input

The projected prediction settings input for Einstein Discovery.

Properties

Property Name	Type	Description	Required or Optional	Available Version
confidenceInterval	Integer	The confidence interval to display at each point. Allowed values are 80 and 95.	Optional	55.0
numberOfIntervalsToProjectAhead	Integer	Override the number of intervals to project ahead. The allowed range is [1, 12].	Optional	54.0
showProjectedPredictionByInterval	Boolean	Indicates whether the projected prediction calculation is enabled for every interval into the future (<code>true</code>) or not (<code>false</code>).	Optional	54.0

Smart Data Discovery Projected Predictions Count From Date Interval Setting Input

The input for settings for an Einstein Discovery count from date based projection interval.

Properties

Inherits properties from [AbstractSmartDataDiscoveryProjectedPredictionsIntervalSettingInput](#).

Property Name	Type	Description	Required and Optional	Available Version
dateField	String	The date field to use for calculating projection intervals.	Required	55.0
numIntervals	Integer	The number of intervals to project ahead.	Required	55.0

Smart Data Discovery Projected Predictions Count Interval Setting Input

The input for settings for an Einstein Discovery count based projection interval.

Properties

Inherits properties from [AbstractSmartDataDiscoveryProjectedPredictionsIntervalSettingInput](#).

Property Name	Type	Description	Required or Optional	Available Version
numIntervals	Integer	The number of intervals to project ahead.	Required	55.0

Smart Data Discovery Projected Predictions Date Interval Setting Input

The input for settings for an Einstein Discovery date interval.

Properties

Inherits properties from [AbstractSmartDataDiscoveryProjectedPredictionsIntervalSettingInput](#).

Property Name	Type	Description	Required or Optional	Available Version
dateField	String	The date field to use for calculating projection intervals.	Required	55.0

Smart Data Discovery Projected Predictions Historical Dataset Source Input

The input for projected predictions transformation.

Properties

Property Name	Type	Description	Required or Optional	Available Version
datasetId	ID	The ID of the historical dataset used to extract and build time series for each asset ID.	Required	55.0
datasetVersionId	ID	The ID of the specific dataset version used for extraction.	Required	55.0

Smart Data Discovery Projected Predictions Override Input

The input for deploy time projected predictions transformation overrides.

Properties

Inherits properties from [AbstractSmartDataDiscoveryTransformationOverrideInput](#).

Property Name	Type	Description	Required or Optional	Available Version
assetIdField	String	The Salesforce object field name to use as a look-up for a record ID in a historical dataset.	Required	55.0

Property Name	Type	Description	Required or Optional	Available Version
intervalOverride	AbstractSmartDataDiscoveryProjectedPredictionsIntervalSettingInput	The projected predictions interval settings. Valid values are: <ul style="list-style-type: none"> Smart Data Discovery Projected Predictions Count From Date Interval Setting Input Smart Data Discovery Projected Predictions Count Interval Setting Input Smart Data Discovery Projected Predictions Date Interval Setting Input 	Required	55.0

Smart Data Discovery Projected Predictions Transformation Input

The input for a projected predictions transformation.

Properties

Inherits properties from [AbstractSmartDataDiscoveryOneToOneTransformationInput](#).

Property Name	Type	Description	Required or Optional	Available Version
assetIdFieldName	String	The group by column, used for building time series for each asset ID.	Required	55.0
dateFieldName	String	The field used for the time series time axis.	Required	55.0
input	SmartDataDiscoveryProjectedPredictionsHistoricalDatasetSourceInput	The historical dataset input.	Required	55.0
numIntervals	Integer	The default number of intervals to project forward.	Required	55.0
projectedPredictionsIntervalType	SmartDataDiscoveryProjectedPredictionsIntervalTypeEnum	The interval type for forward projections. Valid values are: <ul style="list-style-type: none"> Day Month Quarter Week 	Required	55.0
projectionFieldName	String	The time series y axis. This is the value column projected for each asset ID.	Required	55.0

Property Name	Type	Description	Required or Optional	Available Version
seasonality Period	Integer	The seasonality period. Use 0 for no seasonality, or [2-24].	Required	55.0

Smart Data Discovery Regression Prediction Property Input

The input to identify the prediction type as Regression.

Properties

Inherits properties from [AbstractSmartDataDiscoveryPredictionPropertyInput](#).

Property Name	Type	Description	Required or Optional	Available Version
algorithmType	SmartDataDiscovery Regression AlgorithmType Enum	The algorithm type for the classification. Valid values are: <ul style="list-style-type: none"> • Drf (Distributed Random Forest) • Gbm (GBM) • G1m (GLM) • Xgboost (XGBoost) 	Required	52.0

Smart Data Discovery Scikit Learn 102 Model Runtime Input

The input to identify the model runtime type as Scikit Learn v1.0.2.

Properties

Inherits properties from [AbstractSmartDataDiscoveryModelRuntimeInput](#).

Smart Data Discovery Sentiment Analysis Transformation Input

The input for a sentiment analysis transformation.

Properties

Inherits properties from [AbstractSmartDataDiscoveryOneToOneTransformationInput](#).

Smart Data Discovery TensorFlow 27 Model Runtime Input

The input to identify the model runtime type as TensorFlow v2.7.0.

Properties

Inherits properties from [AbstractSmartDataDiscoveryModelRuntimeInput](#).

Smart Data Discovery TensorFlow Model Runtime Input

The input to identify the model runtime type as TensorFlow.

Properties

Inherits properties from [AbstractSmartDataDiscoveryModelRuntimeInput](#).

Smart Data Discovery Text Transformation Filter Input

The input for a text transformation filter.

Properties

Inherits properties from [AbstractSmartDataDiscoveryTransformationFilterInput](#).

Property Name	Type	Description	Required or Optional	Available Version
clusters	SmartDataDiscoveryClusterInput[]	A list of clusters to filter the value with.	Required	55.0
includeOthers	Boolean	Indicates whether to include values that aren't defined in clusters (<code>true</code>) or not (<code>false</code>).	Required	55.0

Story Day Field Value Input

The story data day property.

Properties

Inherits properties from [AbstractStoryDataPropertyInput](#).

Property Name	Type	Description	Required or Optional	Available Version
day	Integer	The day in numeric value.	Required	52.0
fiscal	Boolean	Indicates whether the value is in a fiscal year (<code>true</code>) or not (<code>false</code>).	Required	52.0
month	Integer	The month in numeric value.	Required	52.0
rawValue	String	The raw value of the field.	Required	52.0
year	Integer	The year in numeric value.	Required	52.0

Story Day of Week Field Value Input

The story data day of week property.

Properties

Inherits properties from [AbstractStoryDataPropertyInput](#).

Property Name	Type	Description	Required or Optional	Available Version
dayOfWeek	Integer	The day of week in numeric value.	Required	52.0
rawValue	String	The raw value of the field.	Required	52.0

Story Field Only Input

The story data field property.

Properties

Inherits properties from [AbstractStoryDataPropertyInput](#).

Story Month Field Value Input

The story data month property.

Properties

Inherits properties from [AbstractStoryDataPropertyInput](#).

Property Name	Type	Description	Required or Optional	Available Version
fiscal	Boolean	Indicates whether the value is in a fiscal year (<code>true</code>) or not (<code>false</code>).	Required	52.0
month	Integer	The month in numeric value.	Required	52.0
rawValue	String	The raw value of the field.	Required	52.0
year	Integer	The year in numeric value.	Required	52.0

Story Month of Year Field Value Input

The story data month of year property.

Properties

Inherits properties from [AbstractStoryDataPropertyInput](#).

Property Name	Type	Description	Required or Optional	Available Version
month	Integer	The month of year in numeric value.	Required	52.0
rawValue	String	The raw value of the field.	Required	52.0

Story Null Field Value Input

The story data null property.

Properties

Inherits properties from [AbstractStoryDataPropertyInput](#).

Story Quarter Field Value Input

The story data quarter property.

Properties

Inherits properties from [AbstractStoryDataPropertyInput](#).

Property Name	Type	Description	Required or Optional	Available Version
<code>fiscal</code>	Boolean	Indicates whether the value is in a fiscal year (<code>true</code>) or not (<code>false</code>).	Required	52.0
<code>quarter</code>	Integer	The quarter in numeric value.	Required	52.0
<code>rawValue</code>	String	The raw value of the field.	Required	52.0
<code>year</code>	Integer	The year in numeric value.	Required	52.0

Story Quarter of Year Field Value Input

The story data quarter of year property.

Properties

Inherits properties from [AbstractStoryDataPropertyInput](#).

Property Name	Type	Description	Required or Optional	Available Version
<code>fiscal</code>	Boolean	Indicates whether the value is in a fiscal year (<code>true</code>) or not (<code>false</code>).	Required	52.0
<code>quarter</code>	Integer	The quarter in numeric value.	Required	52.0
<code>rawValue</code>	String	The raw value of the field.	Required	52.0

Story Query Input

The input to query an Einstein Discovery story.

Properties

Property Name	Type	Description	Required or Optional	Available Version
<code>filters</code>	AbstractStoryDataPropertyInput[]	A list of filters to use in the query. Valid values are: <ul style="list-style-type: none"> • Story Day Field Value Input • Story Day Of Week Field Value Input • Story Field Only Input • Story Month Field Value Input • Story Month Of Year Field Value Input • Story Null Field Value Input • Story Quarter Field Value Input • Story Quarter Of Year Field Value Input • Story Range Field Value Input • Story Text Field Value Input • Story Year Field Value Input 	Required	54.0
<code>includeChart</code>	Boolean	Indicates whether to include the story chart in the query response (<code>true</code>) or not (<code>false</code>).	Optional	54.0
<code>includeNarrative</code>	Boolean	Indicates whether to include the story narrative in the query response (<code>true</code>) or not (<code>false</code>).	Optional	54.0
<code>includeRegularFields</code>	Boolean	Indicates whether to include regular fields in the query response (<code>true</code>) or not (<code>false</code>).	Optional	54.0
<code>includeSensitiveFields</code>	Boolean	Indicates whether to include sensitive fields in the query response (<code>true</code>) or not (<code>false</code>).	Optional	54.0
<code>insightsType</code>	InsightsTypeEnum	The analysis type for the query insights. Valid values are: <ul style="list-style-type: none"> • Descriptive • Diagnostic 	Required	52.0
<code>limit</code>	Integer	The total number of insight cards in the query response.	Optional	54.0
<code>offset</code>	Integer	The insight card offset value.	Optional	54.0

Story Range Field Value Input

The story data range property.

Properties

Inherits properties from [AbstractStoryDataPropertyInput](#).

Property Name	Type	Description	Required or Optional	Available Version
endValue	String	The end value of the range.	Required	52.0
startValue	String	The start value of the range.	Required	52.0

Story Text Field Value Input

The story data text property.

Properties

Inherits properties from [AbstractStoryDataPropertyInput](#).

Property Name	Type	Description	Required or Optional	Available Version
value	String	The text value of the field.	Required	52.0

Story Year Field Value Input

The story data year property.

Properties

Inherits properties from [AbstractStoryDataPropertyInput](#).

Property Name	Type	Description	Required or Optional	Available Version
fiscal	Boolean	Indicates whether the value is in a fiscal year (<code>true</code>) or not (<code>false</code>).	Required	52.0
rawValue	String	The raw value of the field.	Required	52.0
year	Integer	The year in numeric value.	Required	52.0

EINSTEIN DISCOVERY REST API RESPONSE BODIES

The successful execution of a request to an Einstein Discovery REST API resource can return a response body in either JSON or XML format.

A request to an Einstein Discovery REST API resource always returns an HTTP response code, whether the request was successful or not.

[Abstract Bucketing Strategy](#)

The base bucketing strategy.

[Abstract Classification Threshold](#)

The base classification threshold.

[Abstract Date Field Configuration](#)

The base Einstein Discovery date field configuration.

[Abstract Field Configuration](#)

The base Einstein Discovery field configuration.

[Abstract Numeric Field Configuration](#)

The base Einstein Discovery numeric field configuration.

[Abstract Smart Data Discovery Aggregate Prediction](#)

The base Einstein Discovery aggregate prediction result.

[Abstract Smart Data Discovery AI Model Metrics](#)

The base Einstein Discovery AI model metric.

[Abstract Smart Data Discovery AI Model Source](#)

The base Einstein Discovery AI model prediction property.

[Abstract Smart Data Discovery Field Mapping Source](#)

The base Einstein Discovery field mapping source.

[Abstract Smart Data Discovery Model Field](#)

The base Einstein Discovery model field.

[Abstract Smart Data Discovery Model Runtime](#)

The base Einstein Discovery model run time.

[Abstract Smart Data Discovery Prediction Property](#)

The base Einstein Discovery AI model prediction property.

[Abstract Smart Data Discovery Prediction](#)

The base Einstein Discovery prediction result.

[Abstract Smart Data Discovery Predict](#)

The base Einstein Discovery predict result.

[Abstract Smart Data Discovery Projected Prediction](#)

The base Einstein Discovery projected prediction result.

[Abstract Smart Data Discovery Projected Predictions Interval Setting](#)

The base Einstein Discovery projected predictions interval settings.

Einstein Discovery REST API Response Bodies

[Abstract Smart Data Discovery Transformation Override](#)

The base Einstein Discovery transformation deploy overrides.

[Abstract Smart Data Discovery Validation Configuration](#)

The base validation configuration output.

[Abstract Story Data Property](#)

The base Einstein Discovery story data property filter.

[Abstract Story Insights Case](#)

The base story insights case.

[Abstract Story Insights](#)

The base story insights.

[Abstract Story Narrative Element](#)

The base story narrative element.

[Abstract Story Source](#)

The base Einstein Discovery analysis source.

[Abstract Text Field Configuration](#)

The base Einstein Discovery text field configuration.

[Analytics Dataset Source](#)

An analytics dataset as the analysis source.

[Asset History Collection](#)

A collection of asset history items.

[Asset History](#)

The asset history record.

[Asset Reference](#)

An Einstein Discovery asset reference. This wraps the BaseAssetReference

[Autopilot](#)

The setup for autopilot.

[Base Asset Reference](#)

The base Einstein Discovery asset, inherited by AssetReference.

[Binary Classification Threshold](#)

A binary classification threshold.

[Date Field Configuration](#)

The date field configuration.

[Diagnostic Insights Case](#)

A story query diagnostic insights.

[Directory Item Collection](#)

A collection of directory items.

[Even Width Bucketing Strategy](#)

The even-width bucketing strategy.

[Manual Bucketing Strategy](#)

The manual bucketing strategy.

Einstein Discovery REST API Response Bodies

[Model Field Label Metrics](#)

Model field information that includes label, value and metrics data.

[Numeric Field Configuration](#)

The numeric field configuration.

[Percentile Bucketing Strategy](#)

The percentile bucketing strategy.

[Predict History Collection](#)

A collection of historical predictions for a goal.

[Predict History](#)

The historical predictions for a target.

[Predict History Range](#)

A range used for the historical prediction query.

[Predict History Value](#)

A historical prediction value at a specific point in time.

[Report Source](#)

An analytics report as the analysis source.

[Smart Data Discovery Aggregate Predict Condition](#)

The aggregate predict condition for a collection of Einstein Discover predictions.

[Smart Data Discovery Aggregate Prediction Error](#)

An Einstein Discovery aggregate prediction error.

[Smart Data Discovery Aggregate Prediction](#)

An Einstein Discovery aggregate prediction result.

[Smart Data Discovery AI Model Classification Metrics](#)

The binomial classification metrics for an Einstein Discovery AI model.

[Smart Data Discovery AI Model Coefficient Collection](#)

A collection of Einstein Discovery AI model coefficients.

[Smart Data Discovery AI Model Collection](#)

A collection of Einstein Discovery AI models.

[Smart Data Discovery AI Model Discovery Source](#)

The discovery source for an AI model.

[Smart Data Discovery AI Model Multiclass Metrics](#)

The multiclass metrics for an Einstein Discovery AI model.

[Smart Data Discovery AI Model Regression Metrics](#)

The regression metrics for an Einstein Discovery AI model.

[Smart Data Discovery AI Model Residual Collection](#)

A collection of Einstein Discovery AI model residuals.

[Smart Data Discovery AI Model Residual](#)

An Einstein Discovery AI model residual.

[Smart Data Discovery AI Model Transformation](#)

An Einstein Discovery AI model transformation.

Einstein Discovery REST API Response Bodies

[Smart Data Discovery AI Model User Upload Source](#)

The user upload source for an AI model.

[Smart Data Discovery AI Model](#)

An Einstein Discovery AI model to retrieve.

[Smart Data Discovery Categorical Projected Prediction](#)

An Einstein Discovery categorical projected prediction.

[Smart Data Discovery Classification Prediction Property](#)

The classification prediction model type.

[Smart Data Discovery Contact](#)

An Einstein Discovery contact.

[Smart Data Discovery Custom Prescribable Field Definition](#)

A custom Einstein Discovery prescribable field definition to override default prescription text.

[Smart Data Discovery Customizable Field](#)

An Einstein Discovery customizable field.

[Smart Data Discovery Feature Importance Metric](#)

An importance metric for a Einstein Discovery model.

[Smart Data Discovery Field Mapping](#)

An Einstein Discovery field mapping.

[Smart Data Discovery Field Mapping Analytics Dataset Field](#)

An Einstein Discovery field mapped from an analytics dataset source.

[Smart Data Discovery Field Mapping Mapped Field](#)

A mapped field in a field mapping.

[Smart Data Discovery Field Mapping Salesforce Field](#)

An Einstein Discovery field mapped from a Salesforce field source.

[Smart Data Discovery Field](#)

An Einstein Discovery field.

[Smart Data Discovery Filter List](#)

A list of record filter conditions.

[Smart Data Discovery Filter Value](#)

The value used in an Einstein Discovery filter.

[Smart Data Discovery Filter](#)

An Einstein Discovery filter used to select a model.

[Smart Data Discovery Impute Strategy](#)

The impute strategy.

[Smart Data Discovery Insight](#)

An insight for an Einstein Discovery analysis.

[Smart Data Discovery Live Metric Detail](#)

A live AI Einstein Discovery metric.

[Smart Data Discovery Live Metrics](#)

The categorized live AI Einstein Discovery metrics.

Einstein Discovery REST API Response Bodies

[Smart Data Discovery Metrics Collection](#)

A collection of Einstein Discovery metrics.

[Smart Data Discovery Model Card](#)

An Einstein Discovery model card.

[Smart Data Discovery Prediction Definition Collection](#)

A collection of Einstein Discovery prediction definitions.

[Smart Data Discovery Model Configuration](#)

The configuration for an Einstein Discovery model.

[Smart Data Discovery Model Field Date](#)

An Einstein Discovery date model field.

[Smart Data Discovery Model Field Numeric](#)

An Einstein Discovery numeric model field.

[Smart Data Discovery Model Field Text](#)

An Einstein Discovery text model field.

[Smart Data Discovery Model](#)

An Einstein Discovery model.

[Smart Data Discovery Multiclass Classification Prediction Property](#)

The multiclass classification prediction model type.

[Smart Data Discovery Multiclass Predict](#)

An Einstein Discovery multiclass predict result.

[Smart Data Discovery Narrative Details](#)

The textual narrative data for an Einstein Discovery story.

[Smart Data Discovery Narrative Field Collection](#)

A collection of narrative data for an Einstein Discovery story.

[Smart Data Discovery Narrative Field](#)

A single row of narrative data for an Einstein Discovery story.

[Smart Data Discovery Narrative Post Body Filter](#)

A query filter for narrative data of an Einstein Discovery story.

[Smart Data Discovery Narrative Post Body Insight](#)

The narrative insight metadata.

[Smart Data Discovery Narrative Post Body Query](#)

A query for narrative data of an Einstein Discovery story.

[Smart Data Discovery Narrative Post Body](#)

A single row of narrative data for an Einstein Discovery story.

[Smart Data Discovery Numeric Range](#)

A numeric range for a field.

[Smart Data Discovery Numerical Projected Prediction](#)

An Einstein Discovery numerical projected prediction.

[Smart Data Discovery Predict Column Custom Text](#)

The custom text for a predict column given by the Einstein Discovery prediction.

Einstein Discovery REST API Response Bodies

[Smart Data Discovery Predict Column](#)

A column given from an Einstein Discovery prediction.

[Smart Data Discovery Predict Condition](#)

An Einstein Discovery predict condition.

[Smart Data Discovery Prediction Definition Collection](#)

A collection of Einstein Discovery prediction definitions.

[Smart Data Discovery Prediction Definition](#)

An Einstein Discovery prediction definition.

[Smart Data Discovery Prediction Error](#)

An Einstein Discovery prediction error.

[Smart Data Discovery Prediction](#)

An Einstein Discovery prediction result.

[Smart Data Discovery Predict Error](#)

An Einstein Discovery predict error result.

[Smart Data Discovery Import Warnings](#)

The import warnings for an Einstein Discovery prediction.

[Smart Data Discovery Predict Job Collection](#)

A collection of Einstein Discovery predict jobs.

[Smart Data Discovery Predict Job](#)

An Einstein Discovery predict job.

[Smart Data Discovery Predict List](#)

A list of Einstein Discovery predictions.

[Smart Data Discovery Predict Settings](#)

The settings for an Einstein Discovery prediction.

[Smart Data Discovery Predict](#)

An Einstein Discovery predict result.

[Smart Data Discovery Prediction Definition Outcome Field](#)

An Einstein Discovery prediction definition outcome field.

[Smart Data Discovery Prescribable Field](#)

An Einstein Discovery prescribable field.

[Smart Data Discovery Projected Prediction Field](#)

An Einstein Discovery projected prediction field.

[Smart Data Discovery Projected Prediction Settings](#)

The settings for projected prediction fields.

[Smart Data Discovery Projected Predictions Count From Date Interval Setting](#)

The settings for an Einstein Discovery count from date based projection interval.

[Smart Data Discovery Projected Predictions Count Interval Setting](#)

The settings for an Einstein Discovery count based projection interval.

[Smart Data Discovery Projected Predictions Date Interval Setting](#)

The settings for an Einstein Discovery date interval.

Einstein Discovery REST API Response Bodies

[Smart Data Discovery Projected Predictions Override](#)

The settings for an Einstein Discovery projected predictions override.

[Smart Data Discovery Projected Predictions](#)

The projected predictions for an Einstein Discovery prediction result.

[Smart Data Discovery Projected Value](#)

An Einstein Discovery projected value.

[Smart Data Discovery Pushback Field](#)

A pushback field for an Einstein Discovery prediction.

[Smart Data Discovery Outcome](#)

The analysis outcome for an Einstein Discovery story.

[Smart Data Discovery Recipient](#)

An Einstein Discovery recipient.

[Smart Data Discovery Refresh Config](#)

The refresh configuration for an Einstein Discovery prediction.

[Smart Data Discovery Refresh Job Collection](#)

A collection of Einstein Discovery refresh jobs.

[Smart Data Discovery Refresh Job](#)

An Einstein Discovery refresh job.

[Smart Data Discovery Refresh Task Collection](#)

A collection of Einstein Discovery refresh task.

[Smart Data Discovery Refresh Task Source](#)

The source for an Einstein Discovery refresh task.

[Smart Data Discovery Refresh Task](#)

An Einstein Discovery refresh task.

[Smart Data Discovery Regression Classification Prediction Property](#)

The regression classification prediction model type.

[Smart Data Discovery Training Metrics](#)

A collection of Einstein Discovery metrics from training a model.

[Smart Data Discovery User](#)

An Einstein Discovery user.

[Story Diagnostic Insights Detail](#)

The detail for story diagnostic insights.

[Story All Other Field Value](#)

The story data property for all other values in a field.

[Story Chart Value](#)

A value in a story chart.

[Story Chart Value Detail](#)

The detail for a value in a story chart.

[Story Chart](#)

A story chart.

Einstein Discovery REST API Response Bodies

[Story Collection](#)

A collection of Einstein Discovery stories.

[Story Count Insights Case](#)

A count story insights case.

[Story Day Field Value](#)

The story data day property.

[Story Day of Week Field Value](#)

The story data day of week property.

[Story Descriptive Insights Case](#)

A descriptive story insights case.

[Story Details](#)

The details for a story. These details are the top positive and negative factors contributing to story outcome.

[Story Field Correlation](#)

The summary of each field in the dataset selected for story creation.

[Story Field Impact Detail](#)

A story field impact details.

[Story Field Label Value Property](#)

A story field.

[Story Field Only](#)

The story data field property.

[Story Field](#)

The field value combination that contributed to the story outcome result.

[Story First Order Insights](#)

The first order insights for a story.

[Story Insights Detail](#)

The insights detail for a story.

[Story Month Field Value](#)

The story data month property.

[Story Month of Year Field Value](#)

The story data month of year property.

[Story Narrative Element Text](#)

The text element for a story narrative.

[Story Narrative](#)

A narrative for a story.

[Story Null Field Value](#)

The story data null property.

[Story Potential Bias](#)

The potential bias for a story.

[Story Quarter Field Value](#)

The story data quarter property.

[Story Quarter of Year Field Value](#)

The story data quarter of year property.

[Story Query Diagnostic Insights](#)

A story query diagnostic insights.

[Story Query Disparate Impact Detail](#)

The detail for a story query disparate impact.

[Story Query Disparate Impact](#)

A disparate impact for a story query.

[Story Query Input Parameter](#)

The input parameter for a story query.

[Story Query](#)

A query for story insights.

[Story Range Field Value](#)

The story data range property.

[Story Second Order Insights](#)

The second order insights for a story.

[Story Summary Detail](#)

The summary detail for a story.

[Story Text Field Value](#)

The story data text property.

[Story Version Reference](#)

The basic information for an Einstein Discovery story version.

[Story Version](#)

An Einstein Discovery story version.

[Story](#)

An Einstein Discovery story.

[Story Year Field Value](#)

The story data year property.

[Text Field Configuration](#)

The text field configuration.

[Text Field Value Configuration](#)

The text field value configuration.

[Validation Dataset](#)

The output for a validation dataset configuration.

[Validation Ratio](#)

The output for a validation ratio configuration.

Abstract Bucketing Strategy

The base bucketing strategy.

Properties

Inherited by [EvenWidthBucketingStrategy](#), [ManualBucketingStrategy](#), and [PercentileBucketingStrategy](#).

Property Name	Type	Description	Filter Group and Version	Available Version
type	SmartDataDiscovery BucketingStrategy Enum	The bucketing strategy. Valid values are: <ul style="list-style-type: none"> • EvenWidth • Manual • Percentage 	Small, 54.0	54.0

Abstract Classification Threshold

The base classification threshold.

Properties

Inherited by [Binary Classification Threshold](#).

Property Name	Type	Description	Filter Group and Version	Available Version
type	ClassificationType Enum	The classification type. Valid values are: <ul style="list-style-type: none"> • Binary 	Small, 47.0	47.0

Abstract Date Field Configuration

The base Einstein Discovery date field configuration.

Properties

Inherits properties from [AbstractFieldConfiguration](#).

Inherited by [DateFieldConfiguration](#).

Property Name	Type	Description	Filter Group and Version	Available Version
interval	SmartDataDiscovery DateIntervalEnum	The date interval for the field. Valid values are: <ul style="list-style-type: none"> • Auto • Day • Month • None • Quarter • Year 	Small, 54.0	54.0

Property Name	Type	Description	Filter Group and Version	Available Version
max	Date	The maximum date value for the field.	Small, 54.0	54.0
min	Date	The minimum date value for the field.	Small, 54.0	54.0
periodic Intervals	SmartDataDiscovery PeriodicDateInterval Enum[]	A list of the periodic date intervals for the field. Valid values are: <ul style="list-style-type: none"> Day_of_week Month_of_year Quarter_of_year 	Small, 54.0	54.0

Abstract Field Configuration

The base Einstein Discovery field configuration.

Properties

Inherited by [AbstractDateFieldConfiguration](#), [AbstractNumericFieldConfiguration](#), and [AbstractTextFieldConfiguration](#)

Property Name	Type	Description	Filter Group and Version	Available Version
high Cardinality	Boolean	Indicates whether the field is a high cardinality field (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0
ignored	Boolean	Indicates whether the field is ignored (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0
label	String	The developer name for the field.	Small, 54.0	54.0
name	String	The display name for the field.	Small, 54.0	54.0
sensitive	Boolean	Indicates whether the field is sensitive (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0
type	SmartDataDiscovery FilterFieldTypeEnum	The field type. Valid values are: <ul style="list-style-type: none"> Boolean Date DateTime Number Text 	Small, 54.0	54.0

Abstract Numeric Field Configuration

The base Einstein Discovery numeric field configuration.

Properties

Inherits properties from [AbstractFieldConfiguration](#).

Inherited by [NumericFieldConfiguration](#).

Property Name	Type	Description	Filter Group and Version	Available Version
bucketing Strategy	AbstractBucketing Strategy	The bucketing strategy for the field. Valid values are: <ul style="list-style-type: none"> EvenWidthBucketingStrategy ManualBucketingStrategy PercentileBucketingStrategy 	Small, 54.0	54.0
impute Strategy	SmartDataDiscovery ImputeStrategy	The impute strategy for the field.	Small, 54.0	54.0
max	Double	The maximum value for the field.	Small, 54.0	54.0
min	Double	The minimum value for the field.	Small, 54.0	54.0

Abstract Smart Data Discovery Aggregate Prediction

The base Einstein Discovery aggregate prediction result.

Properties

Inherited by [Smart Data Discovery Aggregate Prediction](#) and [Smart Data Discovery Aggregate Prediction Error](#).

Property Name	Type	Description	Filter Group and Version	Available Version
aggregate Function	SmartDataDiscovery PredictAggregate FunctionEnum	The predict aggregate function. Valid values are: <ul style="list-style-type: none"> Average Median Sum 	Small, 55.0	55.0
middleValues	SmartDataDiscovery AggregatePredict Condition[]	The list of middle values.	Small, 55.0	55.0
prescriptions	SmartDataDiscovery AggregatePredict Condition[]	The list of prescriptions.	Small, 55.0	55.0
status	SmartDataDiscovery PredictAggregate StatusEnum	The predict aggregate status. Valid values are: <ul style="list-style-type: none"> Error 	Small, 55.0	55.0

Property Name	Type	Description	Filter Group and Version	Available Version
		<ul style="list-style-type: none"> Success 		

Abstract Smart Data Discovery AI Model Metrics

The base Einstein Discovery AI model metric.

Properties

Inherited by [Smart Data Discovery AI Model Classification Metrics](#), [Smart Data Discovery AI Model Multiclass Metrics](#), and [Smart Data Discovery AI Model Regression Metrics](#).

Property Name	Type	Description	Filter Group and Version	Available Version
dataSegmentsUrl	String	The URL to the data segments metrics for the AI model.	Small, 56.0	56.0
featureImportancesUrl	String	The URL to the feature importances metrics for the AI model.	Small, 56.0	56.0
predictionType	SmartDataDiscoveryPredictionTypeEnum	The prediction type of the AI model. Valid values are: <ul style="list-style-type: none"> Classification MulticlassClassification Regression Unknown 	Small, 54.0	54.0
url	String	The URL for the metrics	Small, 54.0	54.0

Abstract Smart Data Discovery AI Model Source

The base Einstein Discovery AI model prediction property.

Properties

Inherited by [Smart Data Discovery AI Model Discovery Source](#) and [Smart Data Discovery AI Model User Upload Source](#).

Property Name	Type	Description	Filter Group and Version	Available Version
type	SmartDataDiscoveryModelSourceTypeEnum	The source type of the AI model. Valid values are: <ul style="list-style-type: none"> Discovery UserUpload 	Small, 48.0	48.0

Abstract Smart Data Discovery Field Mapping Source

The base Einstein Discovery field mapping source.

Properties

Inherited by [Smart Data Discovery Field Mapping Analytics Dataset Field](#) and [Smart Data Discovery Field Mapping Salesforce Field](#).

Property Name	Type	Description	Filter Group and Version	Available Version
type	SmartDataDiscoveryFieldMapSourceTypeEnum	The source type for the field mapping. Valid values are: <ul style="list-style-type: none"> AnalyticsDatasetField SalesforceField 	Small, 48.0	48.0

Abstract Smart Data Discovery Model Field

The base Einstein Discovery model field.

Properties

Inherited by [Smart Data Discovery Model Field Date](#), [Smart Data Discovery Model Field Numeric](#) and [Smart Data Discovery Model Field Text](#).

Property Name	Type	Description	Filter Group and Version	Available Version
disparateImpact	Boolean	Indicates whether the model field is disparate impact (<code>true</code>) or not (<code>false</code>).	Small, 55.0	55.0
label	String	The label of the model field.	Small, 48.0	48.0
name	String	The name of the model field.	Small, 48.0	48.0
sensitive	Boolean	Indicates whether the model field is sensitive (<code>true</code>) or not (<code>false</code>).	Small, 55.0	55.0
type	SmartDataDiscoveryModelFieldTypeEnum	The type of the model field. Valid values are: <ul style="list-style-type: none"> Date Number Text 	Small, 48.0	48.0

Abstract Smart Data Discovery Model Runtime

The base Einstein Discovery model run time.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
type	SmartDataDiscovery ModelRuntimeType Enum	The run time type of the model. Valid values are: <ul style="list-style-type: none"> Discovery H2O Py36Tensorflow244 (TensorFlow) Py37Scikitlearn102 (Scikit Learn v1.0.2) Py37Tensorflow207 (TensorFlow v2.7.0) 	Small, 49.0	49.0

Abstract Smart Data Discovery Prediction Property

The base Einstein Discovery AI model prediction property.

Properties

Inherited by [Smart Data Discovery Classification Prediction Property](#), [Smart Data Discovery Multiclass Classification Prediction Property](#), and [Smart Data Discovery Regression Classification Prediction Property](#).

Property Name	Type	Description	Filter Group and Version	Available Version
type	SmartDataDiscovery PredictionType Enum	The prediction type. Valid values are: <ul style="list-style-type: none"> Classification MulticlassClassification Regression Unknown 	Small, 44.0	44.0

Abstract Smart Data Discovery Prediction

The base Einstein Discovery prediction result.

Properties

Inherited by [Smart Data Discovery Prediction](#) and [Smart Data Discovery Prediction Error](#).

Property Name	Type	Description	Filter Group and Version	Available Version
status	SmartDataDiscovery PredictStatusEnum	The predict status. Valid values are: <ul style="list-style-type: none"> Error Success 	Small, 44.0	44.0

Abstract Smart Data Discovery Predict

The base Einstein Discovery predict result.

Properties

Inherited by [Smart Data Discovery Multiclass Prediction](#), [Smart Data Discovery Predict Error](#) and [Smart Data Discovery Predict](#).

Property Name	Type	Description	Filter Group and Version	Available Version
baseLine	Double	The base line metric for the predict result.	Small, 41.0	41.0
import Warnings	SmartDataDiscovery PredictImport Warnings	The import warnings for the predict result.	Small, 41.0	41.0
other	Double	Any other values for the predict result.	Small, 41.0	41.0
smallTerm Count	Integer	The small term count for the predict result.	Small, 41.0	41.0
total	Integer	The total of the predict result.	Small, 41.0	41.0

Abstract Smart Data Discovery Projected Prediction

The base Einstein Discovery projected prediction result.

Properties

Inherited by [Smart Data Discovery Catagorical Projected Prediction](#) and [Smart Data Discovery Numerical Projected Prediction](#).

Property Name	Type	Description	Filter Group and Version	Available Version
type	SmartDataDiscovery ProjectedPredictions TypeEnum	The projected predictions type. Valid values are: <ul style="list-style-type: none"> Categorical Numerical 	Small, 54.0	54.0

Abstract Smart Data Discovery Projected Predictions Interval Setting

The base Einstein Discovery projected predictions interval settings.

Properties

Inherited by [Smart Data Discovery Projected Predictions Count From Date Interval Setting](#), [Smart Data Discovery Projected Predictions Count Interval Setting](#), and [Smart Data Discovery Projected Predictions Date Interval Setting](#).

Property Name	Type	Description	Filter Group and Version	Available Version
type	SmartDataDiscovery ProjectedPredictions IntervalSettingType Enum	The projected predictions interval setting type. Valid values are: <ul style="list-style-type: none"> Count CountFromDate Date 	Small, 55.0	55.0

Abstract Smart Data Discovery Transformation Override

The base Einstein Discovery transformation deploy overrides.

Properties

Inherited by [Smart Data Discovery Projected Predictions Override](#).

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The ID of the override.	Small, 55.0	55.0
input	AssetReference	A transformation asset associated with the override settings.	Small, 55.0	55.0
type	SmartDataDiscovery AIModel TransformationType Enum	The transformation type. Valid values are: <ul style="list-style-type: none"> CategoricalImputation (Replace categorical missing values) ExtractDayOfWeek (Extract day of week) ExtractMonthOfYear (Extract month of year) FreeTextClustering (Free text clustering) NumericalImputation (Replace numerical missing values) SentimentAnalysis (Detecting sentiment) 	Small, 55.0	55.0

Property Name	Type	Description	Filter Group and Version	Available Version
		<ul style="list-style-type: none"> TimeSeriesForecast (Projected predictions) TypographicClustering (Fuzzy matching) 		

Abstract Smart Data Discovery Validation Configuration

The base validation configuration output.

Properties

Inherited by [Validation Dataset](#) and [Validation Ratio](#).

Property Name	Type	Description	Filter Group and Version	Available Version
strategy	Validation Configuration StrategyEnum	The validation strategy for the configuration. Valid values are: <ul style="list-style-type: none"> Validation_Dataset Validation_Set_Ratio 	Small, 57.0	57.0

Abstract Story Data Property

The base Einstein Discovery story data property filter.

Properties

Inherited by [Story All Other Field Value](#), [Story Day Field Value](#), [Story Day Of Week Field Value](#), [Story Field Only](#), [Story Month Field Value](#), [Story Month Of Year Field Value](#), [Story Null Field Value](#), [Story Quarter Field Value](#), [Story Quarter Of Year Field Value](#), [Story Range Field Value](#), [Story Text Field Value](#), and [Story Year Field Value](#).

Property Name	Type	Description	Filter Group and Version	Available Version
field	String	The filter field developer name.	Small, 52.0	52.0
type	String	The filter field type.	Small, 52.0	52.0

Abstract Story Insights Case

The base story insights case.

Properties

Inherited by [StoryDescriptiveInsightsCase](#) and [StoryCountInsightsCase](#).

Property Name	Type	Description	Filter Group and Version	Available Version
field	StoryFieldLabel ValueProperty	The case field for the story insight.	Small, 54.0	54.0
type	StoryAnalysisType Enum	The analysis type. Valid values are: <ul style="list-style-type: none"> Count Descriptive 	Small, 52.0	52.0
value	String	The field value for the story insight.	Small, 52.0	52.0

Abstract Story Insights

The base story insights.

Properties

Inherited by [StoryFirstOrderInsights](#) and [StorySecondOrderInsights](#).

Property Name	Type	Description	Filter Group and Version	Available Version
chart	StoryChart	The insights chart for the story.	Small, 54.0	54.0
details	StoryInsightsDetail []	A list of insight details for the story.	Small, 52.0	52.0
filterField	StoryFieldLabel ValueProperty	The insights filter field details for the story.	Small, 52.0	52.0
narrative	StoryNarrative	The insights narrative for the story.	Small, 54.0	54.0
type	InsightsResultsType Enum	The descriptive insights result type. Valid values are: <ul style="list-style-type: none"> FirstOrder SecondOrder 	Small, 52.0	52.0

Abstract Story Narrative Element

The base story narrative element.

Properties

Inherited by [StoryNarrativeElementText](#).

Property Name	Type	Description	Filter Group and Version	Available Version
type	StoryNarrative ElementTypeEnum	The narrative element type. Valid values are: <ul style="list-style-type: none"> • BadSelection • Body • BucketsMismatchSection • GoodSection • Heading • MissingValuesSection • NewValuesSection • NumberedList • OutcomeValue • Paragraph • SubHeading • UnorderedList 	Small, 54.0	54.0

Abstract Story Source

The base Einstein Discovery analysis source.

Properties

Inherited by [AnalyticsDatasetSource](#) and [ReportSource](#).

Property Name	Type	Description	Filter Group and Version	Available Version
type	AnalysisSetup SourceTypeEnum	The source type of the analysis. Valid values are: <ul style="list-style-type: none"> • AnalyticsDataset • LiveDataset • Report 	Small, 45.0	45.0

Abstract Text Field Configuration

The base Einstein Discovery text field configuration.

Properties

Inherits properties from [AbstractFieldConfiguration](#).

Inherited by [TextFieldConfiguration](#).

Property Name	Type	Description	Filter Group and Version	Available Version
includeOther	Boolean	Indicates whether values that don't match the specified values should be grouped into <code>other</code> (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0
ordering	SmartDataDiscovery OrderingEnum	The strategy for ordering text values. Valid values are: <ul style="list-style-type: none"> • Alphabetical • Numeric • Occurrence 	Small, 54.0	54.0
values	TextFieldValue Configuration[]	A list of values for the field.	Small, 54.0	54.0

Analytics Dataset Source

An analytics dataset as the analysis source.

Properties

Inherits properties from [AbstractStorySource](#).

Property Name	Type	Description	Filter Group and Version	Available Version
dataset	Asset Reference	The dataset for an analysis source.	Small, 45.0	45.0
dataset Version	Asset Reference	The dataset version for an analysis source.	Small, 45.0	45.0

Asset History Collection

A collection of asset history items.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
histories	AssetHistory []	The list of asset histories.	Small, 46.0	46.0

Asset History

The asset history record.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
<code>createdBy</code>	WaveUser	The user who created the asset history record.	Small, 46.0	46.0
<code>createdDate</code>	Date	The creation date of the asset history record.	Small, 46.0	46.0
<code>historyUrl</code>	String	The URL to the asset history metadata details.	Small, 46.0	46.0
<code>id</code>	String	The ID for the asset history record.	Small, 46.0	46.0
<code>isCurrent</code>	Boolean	Indicates whether this history record is the current version of the asset (<code>true</code>) or not (<code>false</code>).	Small, 47.0	47.0
<code>label</code>	String	The optional label tag for the asset history record.	Small, 46.0	46.0
<code>name</code>	String	The developer name for the asset history record.	Small, 46.0	46.0
<code>previewUrl</code>	String	The URL to preview how an asset looked at a particular point in time. This URL doesn't revert the current asset to the asset history record.	Small, 46.0	46.0
<code>revertUrl</code>	String	The URL to revert the current asset to this asset history record.	Small, 46.0	46.0
<code>status</code>	String	The status value of the asset.	Small, 49.0	49.0

Asset Reference

An Einstein Discovery asset reference. This wraps the `BaseAssetReference`

Properties

[Base Asset Reference](#)

Autopilot

The setup for autopilot.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
enabled	Boolean	Indicates whether autopilot is enabled (<code>true</code>) or not (<code>false</code>).	Small, 55.0	55.0

Base Asset Reference

The base Einstein Discovery asset, inherited by `AssetReference`.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The ID of the asset.	Small, 42.0	42.0
label	String	The label of the asset.	Small, 42.0	42.0
name	String	The developer name of the asset.	Small, 42.0	42.0
namespace	String	The namespace that qualifies the asset name.	Small, 42.0	42.0
url	String	The URL of the asset.	Small, 42.0	42.0

Binary Classification Threshold

A binary classification threshold.

Properties

Inherits properties from [AbstractClassificationThreshold](#).

Property Name	Type	Description	Filter Group and Version	Available Version
value	Double	The data for a source analysis.	Small, 47.0	47.0

Date Field Configuration

The date field configuration.

Properties

Inherits properties from [AbstractDateFieldConfiguration](#).

Diagnostic Insights Case

A story query diagnostic insights.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
changeIn Outcome	Double	The change in outcome score.	Small, 53.0	53.0
fields	StoryFieldLabel ValueProperty[]	A list of fields responsible for impact on outcome due to the selected condition.	Small, 53.0	53.0
globalMean	Double	The global mean without any condition.	Small, 53.0	53.0
has Demographic Changed	Boolean	Indicates whether the demographic changed due to this case (<code>true</code>) or not (<code>false</code>).	Small, 53.0	53.0
meanWith Condition	Double	The mean with the primary condition selected for diagnostic insight.	Small, 53.0	53.0
outcomeChange Type	InsightsOutcome ChangeEnum	The change in outcome value. Valid values are: <ul style="list-style-type: none"> Decreased Increased 	Small, 53.0	53.0

Directory Item Collection

A collection of directory items.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
items	String	A list of items in the collection and their URLs.	Small, 50.0	50.0

Even Width Bucketing Strategy

The even-width bucketing strategy.

Properties

Inherits properties from [AbstractBucketingStrategy](#).

Property Name	Type	Description	Filter Group and Version	Available Version
numberOfBuckets	Integer	The number of buckets for a numeric field.	Small, 54.0	54.0

Manual Bucketing Strategy

The manual bucketing strategy.

Properties

Inherits properties from [AbstractBucketingStrategy](#).

Property Name	Type	Description	Filter Group and Version	Available Version
cutoffs	Double[]	A list of manual buckets for a numeric field.	Small, 54.0	54.0

Model Field Label Metrics

Model field information that includes label, value and metrics data.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
fieldLabel	String	The label of the model field.	Small, 56.0	56.0
fieldName	String	The name of the model field.	Small, 56.0	56.0
value	Double	The metrics value of the model field.	Small, 56.0	56.0

Numeric Field Configuration

The numeric field configuration.

Properties

Inherits properties from [AbstractNumericFieldConfiguration](#).

Percentile Bucketing Strategy

The percentile bucketing strategy.

Properties

Inherits properties from [AbstractBucketingStrategy](#).

Property Name	Type	Description	Filter Group and Version	Available Version
numberOfBuckets	Integer	The number of buckets for a numeric field.	Small, 54.0	54.0

Predict History Collection

A collection of historical predictions for a goal.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
goal	AssetReference	The prediction goal.	Small, 56.0	56.0
history	PredictHistory	The prediction history.	Small, 56.0	56.0
range	PredictHistoryRange	The range used to query the prediction history.	Small, 56.0	56.0

Predict History

The historical predictions for a target.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
predictions	PredictHistoryValue[]	A list of the predictions that were made.	Small, 56.0	56.0
target	String	The ID of prediction target.	Small, 56.0	56.0

Predict History Range

A range used for the historical prediction query.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
interval	PredictHistoryIntervalEnum	The interval for look back. Valid values are: <ul style="list-style-type: none"> None Weekly 	Small, 56.0	56.0

Property Name	Type	Description	Filter Group and Version	Available Version
maxLookBack	Integer	The maximum look back period.	Small, 56.0	56.0

Predict History Value

A historical prediction value at a specific point in time.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
createdDate	Date	The date the prediction was made.	Small, 56.0	56.0
model	AssetReference	The model used to make the prediction.	Small, 56.0	56.0
value	String	The prediction value.	Small, 56.0	56.0

Report Source

An analytics report as the analysis source.

Properties

Inherits properties from [AbstractStorySource](#).

Property Name	Type	Description	Filter Group and Version	Available Version
report	Asset Reference	The report for an analysis source.	Small, 45.0	45.0
report Instance	Asset Reference	The report instance for an analysis source.	Small, 45.0	45.0

Smart Data Discovery Aggregate Predict Condition

The aggregate predict condition for a collection of Einstein Discover predictions.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
count	Integer	The count of rows included in the aggregate condition	Small, 55.0	55.0

Smart Data Discovery Aggregate Prediction Error

An Einstein Discovery aggregate prediction error.

Properties

Inherits properties from [AbstractSmartDataDiscoveryAggregatePrediction](#).

Property Name	Type	Description	Filter Group and Version	Available Version
errorCode	Integer	The error code.	Small, 55.0	55.0
message	String	The error message.	Small, 55.0	55.0

Smart Data Discovery Aggregate Prediction

An Einstein Discovery aggregate prediction result.

Properties

Inherits properties from [AbstractSmartDataDiscoveryAggregatePrediction](#).

Property Name	Type	Description	Filter Group and Version	Available Version
value	Double	The value of the aggregate result.	Small, 55.0	55.0

Smart Data Discovery AI Model Classification Metrics

The binomial classification metrics for an Einstein Discovery AI model.

Properties

Inherits properties from [AbstractSmartDataDiscoveryAIModelMetrics](#).

Property Name	Type	Description	Filter Group and Version	Available Version
auc	Double	The AUC for the model.	Small, 54.0	54.0
falseNegative Rate	Double	The false negative rate for the model.	Small, 54.0	54.0
falsePositive Rate	Double	The false positive rate for the model.	Small, 54.0	54.0
gini	Double	The GINI for the model.	Small, 54.0	54.0
mcc	Double	The MCC for the model.	Small, 54.0	54.0
trueNegative Rate	Double	The true negative rate for the model.	Small, 54.0	54.0

Property Name	Type	Description	Filter Group and Version	Available Version
truePositive Rate	Double	The true positive rate for the model.	Small, 54.0	54.0

Smart Data Discovery AI Model Coefficient Collection

A collection of Einstein Discovery AI model coefficients.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
coefficients	SmartDataDiscovery PredictCondition[]	The list of coefficients for the model.	Small, 55.0	55.0
nextPageUrl	String	The URL to get the next page of results.	Small, 55.0	55.0
totalSize	Integer	The total count of items in the collection.	Small, 55.0	55.0
url	String	The URL to get the collection.	Small, 55.0	55.0

Smart Data Discovery AI Model Collection

A collection of Einstein Discovery AI models.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
models	SmartDataDiscovery AIModel[]	The list of AI models available to the current user.	Small, 48.0	48.0
nextPageUrl	String	The URL to get the next page of results.	Small, 51.0	51.0
totalSize	Integer	The total count of items in the collection.	Small, 48.0	48.0
url	String	The URL to get the collection.	Small, 48.0	48.0

Smart Data Discovery AI Model Discovery Source

The discovery source for an AI model.

Properties

Inherits properties from [AbstractSmartDataDiscoveryAIModelSource](#).

Property Name	Type	Description	Filter Group and Version	Available Version
story	Asset Reference	The source story asset.	Small, 48.0	48.0
storyHistory	Asset Reference	The source story history asset.	Small, 48.0	48.0

Smart Data Discovery AI Model Multiclass Metrics

The multiclass metrics for an Einstein Discovery AI model.

Properties

Inherits properties from [AbstractSmartDataDiscoveryAIModelMetrics](#).

Smart Data Discovery AI Model Regression Metrics

The regression metrics for an Einstein Discovery AI model.

Properties

Inherits properties from [AbstractSmartDataDiscoveryAIModelMetrics](#).

Property Name	Type	Description	Filter Group and Version	Available Version
mae	Double	The MAE for the model.	Small, 54.0	54.0
residualsUrl	String	The residuals URL for the model.	Small, 55.0	55.0
rmse	Double	The RMSE for the model.	Small, 54.0	54.0
rsquared	Double	The R Squared for the model.	Small, 54.0	54.0

Smart Data Discovery AI Model Residual Collection

A collection of Einstein Discovery AI model residuals.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
nextPageUrl	String	The URL to get the next page of results.	Small, 55.0	55.0
residuals	SmartDataDiscoveryAIModelResidual[]	The list of residuals for the model.	Small, 55.0	55.0
totalSize	Integer	The total count of items in the collection.	Small, 55.0	55.0
url	String	The URL to get the collection.	Small, 55.0	55.0

Smart Data Discovery AI Model Residual

An Einstein Discovery AI model residual.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
actual	Double	The actual value.	Small, 55.0	55.0
predicted	Double	The predicted value.	Small, 55.0	55.0

Smart Data Discovery AI Model Transformation

An Einstein Discovery AI model transformation.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The ID for the AI model.	Small, 55.0	55.0
sourceFields	AbstractSmartDataDiscoveryModelField[]	A list of the model field names used as input parameters by the transformation. Valid values are: <ul style="list-style-type: none"> SmartDataDiscoveryModelFieldDate SmartDataDiscoveryModelFieldNumeric SmartDataDiscoveryModelFieldText 	Small, 54.0	54.0
state	Map<Object, Object>	A map of the model transformation state.	Small, 51.0	51.0
targetFields	AbstractSmartDataDiscoveryModelField[]	A list of the model field names modified by the transformation. Valid values are: <ul style="list-style-type: none"> SmartDataDiscoveryModelFieldDate SmartDataDiscoveryModelFieldNumeric SmartDataDiscoveryModelFieldText 	Small, 54.0	54.0
type	SmartDataDiscoveryAIModelTransformationType Enum	The model transformation type. Valid values are: <ul style="list-style-type: none"> CategoricalImputation (Replace categorical missing values) ExtractDayOfWeek (Extract day of week) 	Small, 51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
		<ul style="list-style-type: none"> • <code>ExtractMonthOfYear</code> (Extract month of year) • <code>FreeTextClustering</code> (Freetext clustering) • <code>NumericalImputation</code> (Replace numerical missing values) • <code>SentimentAnalysis</code> (Detecting sentiment) • <code>TimeSeriesForecast</code> (Projected predictions) • <code>TypographicClustering</code> (Fuzzy matching) 		

Smart Data Discovery AI Model User Upload Source

The user upload source for an AI model.

Properties

Inherits properties from [AbstractSmartDataDiscoveryAIModelSource](#).

Smart Data Discovery AI Model

An Einstein Discovery AI model to retrieve.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
<code>coefficientsUrl</code>	String	The coefficients URL for the AI model.	Small, 55.0	55.0
<code>createdBy</code>	SmartDataDiscovery User	The user that created the AI model	Small, 48.0	48.0
<code>createdDate</code>	Date	The date on which the AI model was created.	Small, 48.0	48.0
<code>description</code>	String	The description for the AI model.	Small, 48.0	48.0
<code>id</code>	String	The ID for the AI model.	Small, 48.0	48.0

Property Name	Type	Description	Filter Group and Version	Available Version
input	AbstractSmartDataDiscoveryAIModelSource	The input source for the AI model. Valid data properties are: <ul style="list-style-type: none"> Smart Data Discovery AI Model Discovery Source Smart Data Discovery AI Model User Upload Source 	Small, 48.0	48.0
label	String	The label for the AI model.	Small, 48.0	48.0
lastModifiedBy	SmartDataDiscoveryUser	The user who last modified the AI model	Small, 48.0	48.0
lastModifiedDate	Date	The date on which the AI model was last modified.	Small, 48.0	48.0
metricsUrl	String	The metrics URL for the AI model.	Small, 54.0	54.0
modelFields	AbstractSmartDataDiscoveryModelField[]	The list of model fields for the AI model. Valid values are: <ul style="list-style-type: none"> SmartDataDiscoveryModelFieldDate SmartDataDiscoveryModelFieldNumeric SmartDataDiscoveryModelFieldText 	Small, 48.0	48.0
modelFileUrl	String	The file URL for the AI model.	Small, 49.0	49.0
modelRuntime	AbstractSmartDataDiscoveryModelRuntime	The run time model for the AI model.	Small, 48.0	48.0
name	String	The developer name for the AI model.	Small, 48.0	48.0
namespace	String	The namespace for the AI model.	Small, 51.0	51.0
predictedField	String	The predicted field name for the AI model.	Small, 48.0	48.0
predictionProperty	AbstractSmartDataDiscoveryPredictionProperty	The prediction property for the AI model. Valid prediction properties are: <ul style="list-style-type: none"> Smart Data Discovery Classification Prediction Property Smart Data Discovery Multiclass Classification Prediction Property Smart Data Discovery Regression Classification Prediction Property 	Small, 48.0	48.0
status	SmartDataDiscoveryAIModelStatusEnum	The model status. Valid values are: <ul style="list-style-type: none"> Disabled 	Small, 48.0	48.0

Property Name	Type	Description	Filter Group and Version	Available Version
		<ul style="list-style-type: none"> • Enabled • UploadCompleted • UploadFailed • Uploading • Validating • ValidationCompleted • ValidationFailed 		
transformations	SmartDataDiscovery AIModel Transformation[]	The list of transformations associated with the AI model.	Small, 48.0	48.0
url	String	The URL for the AI model.	Small, 48.0	48.0
validation Result	Map<Object, Object>	The validation result for the AI model, when available.	Small, 50.0	50.0

Smart Data Discovery Categorical Projected Prediction

An Einstein Discovery categorical projected prediction.

Properties

Inherits properties from [AbstractSmartDataDiscoveryProjectedPrediction](#).

Property Name	Type	Description	Filter Group and Version	Available Version
class Probabilities	Double	The predict probabilities for each class.	Small, 55.0	55.0
prediction	String	The prediction outcome.	Small, 54.0	54.0

Smart Data Discovery Classification Prediction Property

The classification prediction model type.

Properties

Inherits properties from [AbstractSmartDataDiscoveryPredictionProperty](#).

Property Name	Type	Description	Filter Group and Version	Available Version
algorithmType	SmartDataDiscovery Classification AlgorithmType Enum	The classification algorithm type. Valid values are: <ul style="list-style-type: none"> Best (Model tournament) Drf (Distributed Random Forest) Gbm (GBM) Glm (GLM) Xgboost (XGBoost) 	Small, 49.0	49.0
classificationThreshold	BinaryClassification Threshold	The classification threshold (e.g. binary classification threshold for logistic regression models).	Small, 48.0	48.0

Smart Data Discovery Contact

An Einstein Discovery contact.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
email	String	The email for the contact.	Small, 51.0	51.0
name	String	The name of the contact.	Small, 51.0	51.0

Smart Data Discovery Custom Prescribable Field Definition

A custom Einstein Discovery prescribable field definition to override default prescription text.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
filters	SmartDataDiscovery Filter[]	A list of filter rules for enabling custom text.	Small, 50.0	50.0
templateText	String	The template text to use in replacements.	Small, 50.0	50.0

Smart Data Discovery Customizable Field

An Einstein Discovery customizable field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
custom Definitions	SmartDataDiscoveryCustomPrescribableFieldDefinition[]	A list of custom field definitions.	Small, 57.0	57.0
fieldName	String	The name of the customizable field.	Small, 57.0	57.0

Smart Data Discovery Feature Importance Metric

An importance metric for a Einstein Discovery model.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
feature Importance	ModelFieldLabelMetrics[]	The list of importance metrics.	Small, 56.0	56.0
url	String	The URL to the importance metrics.	Small, 56.0	56.0

Smart Data Discovery Field Mapping

An Einstein Discovery field mapping.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
input	AbstractSmartDataDiscoveryFieldMappingSource	The field mapping source. Valid values are: <ul style="list-style-type: none"> Smart Data Discovery Field Mapping Analytics Dataset Field Smart Data Discovery Field Mapping Salesforce Field 	Small, 48.0	48.0
mappedField	SmartDataDiscoveryFieldMappingMappedField	The mapped field.	Small, 48.0	48.0
modelField	AbstractSmartDataDiscoveryModelField[]	The model field. Valid values are: <ul style="list-style-type: none"> SmartDataDiscoveryModelFieldDate SmartDataDiscoveryModelFieldNumeric 	Small, 48.0	48.0

Property Name	Type	Description	Filter Group and Version	Available Version
		<ul style="list-style-type: none"> SmartDataDiscoveryModelFieldText 		

Smart Data Discovery Field Mapping Analytics Dataset Field

An Einstein Discovery field mapped from an analytics dataset source.

Properties

Inherits properties from [AbstractSmartDataDiscoveryFieldMappingSource](#).

Property Name	Type	Description	Filter Group and Version	Available Version
subjectFieldJoinKey	String	The sObject field name used as the join key.	Small, 48.0	48.0
source	AssetReference	A source ID of the analytics dataset asset.	Small, 48.0	48.0
sourceFieldJoinKey	String	The source dataset field name used as the join key.	Small, 48.0	48.0

Smart Data Discovery Field Mapping Mapped Field

A mapped field in a field mapping.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The label of the mapped field.	Small, 48.0	48.0
name	String	The name of the mapped field.	Small, 48.0	48.0
type	String	The type of the mapped field.	Small, 48.0	48.0

Smart Data Discovery Field Mapping Salesforce Field

An Einstein Discovery field mapped from a Salesforce field source.

Properties

Inherits properties from [AbstractSmartDataDiscoveryFieldMappingSource](#).

Smart Data Discovery Field

An Einstein Discovery field.

Properties

Inherited by [Smart Data Discovery Pushback Field](#).

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The label of the field.	Small, 46.0	46.0
name	String	The name of the field.	Small, 46.0	46.0

Smart Data Discovery Filter List

A list of record filter conditions.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
filters	SmartDataDiscovery Filter[]	The list of filter conditions.	Small, 46.0	46.0

Smart Data Discovery Filter Value

The value used in an Einstein Discovery filter.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
type	SmartDataDiscovery FilterValueType Enum	The type of the filter value. Valid values are: <ul style="list-style-type: none"> • Constant • Placeholder 	Small, 50.0	50.0
value	String	The value of the filter. The value can be a constant or a valid placeholder.	Small, 50.0	50.0

Smart Data Discovery Filter

An Einstein Discovery filter used to select a model.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
fieldName	String	The developer name of the field to apply the filter to.	Small, 41.0	41.0
filterValues	SmartDataDiscovery FilterValue[]	An ordered list of values to be applied in the filter.	Small, 50.0	50.0
operator	ConnectSmartData DiscoveryFilter OperatorEnum	The operator to apply to this filter. Valid values are: <ul style="list-style-type: none"> Between Contains EndsWith Equal GreaterThan GreaterThanOrEqual InSet LessThan LessThanOrEqual NotBetween NotEqual NotIn StartsWith 	Small, 54.0	54.0
type	SmartDataDiscovery FilterFieldTypeEnum	The filter field type. Valid values are: <ul style="list-style-type: none"> Boolean Date DateTime Number Text 	Small, 48.0	48.0

Smart Data Discovery Impute Strategy

The impute strategy.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
groupByFieldName	String	The field name value to group by.	Small, 54.0	54.0

Property Name	Type	Description	Filter Group and Version	Available Version
method	SmartDataDiscovery ImputeMethod Enum	The impute method. Valid values are: <ul style="list-style-type: none"> • Mean • Median • Mode • None 	Small, 54.0	54.0

Smart Data Discovery Insight

An insight for an Einstein Discovery analysis.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
id	ID	The id of the insight.	Small, 44.0	44.0
properties	Map<Object, Object>	A map of the properties for the insight.	Small, 44.0	44.0
sortOrder	Integer	The sort order of the insight.	Small, 44.0	44.0

Smart Data Discovery Live Metric Detail

A live AI Einstein Discovery metric.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
endDate	Date	The end date of this metric.	Small, 50.0	50.0
rowCount	Integer	The row count of this metric.	Small, 50.0	50.0
startDate	Date	The start date of this metric.	Small, 50.0	50.0
value	Map<Object, Object>	The complex value of this metric represented as a Map.	Small, 50.0	50.0

Smart Data Discovery Live Metrics

The categorized live AI Einstein Discovery metrics.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
disparate Impacts	SmartDataDiscovery LiveMetricDetail[]	A list of disparateImpact metrics during the span.	Small, 55.0	55.0
missing Columns	SmartDataDiscovery LiveMetricDetail[]	A list of missing column metrics during the span.	Small, 50.0	50.0
outOfBounds Columns	SmartDataDiscovery LiveMetricDetail[]	A list of out of bounds column metrics during the span.	Small, 50.0	50.0
predictions	SmartDataDiscovery LiveMetricDetail[]	A list of the total predictions during the span.	Small, 50.0	50.0
warnings	SmartDataDiscovery LiveMetricDetail[]	A list of the total warnings during the span.	Small, 50.0	50.0

Smart Data Discovery Metrics Collection

A collection of Einstein Discovery metrics.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
liveMetrics	SmartDataDiscovery LiveMetrics	The live metrics from running predictions.	Small, 50.0	50.0
totalActive Models	Integer	The total number of active models.	Small, 51.0	51.0
totalModels	Integer	The total number of models.	Small, 51.0	51.0
training Metrics	SmartDataDiscovery TrainingMetrics	The model level metrics from training.	Small, 50.0	50.0
url	Integer	The URL to get the metrics results.	Small, 50.0	50.0

Smart Data Discovery Model Card

An Einstein Discovery model card.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
contact	SmartDataDiscovery Contact	The contact person for the model card.	Small, 51.0	51.0
createdBy	SmartDataDiscovery User	The user who created the model card.	Small, 51.0	51.0
createdDate	Date	The creation date of the model card.	Small, 51.0	51.0
id	String	The ID of the model card.	Small, 51.0	51.0
label	String	The label of the model card.	Small, 51.0	51.0
lastModifiedBy	SmartDataDiscovery User	The user who last modified the model card.	Small, 51.0	51.0
lastModifiedDate	Date	The last modified date of the model card.	Small, 51.0	51.0
sections	Map<Object, Object>	A map of the user customizable description for the model card.	Small, 51.0	51.0
url	String	The URL for the model card.	Small, 51.0	51.0

Smart Data Discovery Prediction Definition Collection

A collection of Einstein Discovery prediction definitions.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
models	SmartDataDiscovery Model[]	The list of models.	Small, 41.0	41.0
totalSize	Integer	The total count of items in the collection.	Small, 41.0	41.0
url	String	The URL to get the collection.	Small, 41.0	41.0

Smart Data Discovery Model Configuration

The configuration for an Einstein Discovery model.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
algorithmType	SmartDataDiscovery Classification AlgorithmType Enum	The algorithm type for the model. Valid values are: <ul style="list-style-type: none"> • Best (Model tournament) • Drf (Distributed Random Forest) • Gbm (GBM) • G1m (GLM) • Xgboost (XGBoost) 	Small, 54.0	54.0

Smart Data Discovery Model Field Date

An Einstein Discovery date model field.

Properties

Inherits properties from [AbstractSmartDataDiscoveryModelField](#).

Property Name	Type	Description	Filter Group and Version	Available Version
values	String[]	A list of model field unique values.	Small, 56.0	56.0

Smart Data Discovery Model Field Numeric

An Einstein Discovery numeric model field.

Properties

Inherits properties from [AbstractSmartDataDiscoveryModelField](#).

Property Name	Type	Description	Filter Group and Version	Available Version
values	SmartDataDiscovery NumericRange[]	A list of model field unique values.	Small, 56.0	56.0

Smart Data Discovery Model Field Text

An Einstein Discovery text model field.

Properties

Inherits properties from [AbstractSmartDataDiscoveryModelField](#).

Property Name	Type	Description	Filter Group and Version	Available Version
values	String[]	A list of model field unique values.	Small, 56.0	56.0

Smart Data Discovery Model

An Einstein Discovery model.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
classificationThreshold	Abstract Classification Threshold	The classification threshold for the model. Valid values are: <ul style="list-style-type: none"> BinaryClassificationThreshold 	Small, 48.0	48.0
createdBy	SmartDataDiscovery User	The user who created the model.	Small, 41.0	41.0
createdDate	Date	The creation date of the model.	Small, 41.0	41.0
customizableFactors	SmartDataDiscovery CustomizableField[]	A list of customizable top factors for the model.	Small, 57.0	57.0
fieldMappingList	SmartDataDiscovery FieldMapping[]	A list mapping the model fields to Salesforce fields.	Small, 48.0	48.0
filters	SmartDataDiscovery Filter[]	A list of filters used to determine whether this model should be applied to a record.	Small, 41.0	41.0
historyUrl	String	The URL for the model history.	Small, 49.0	49.0
id	String	The ID of the model.	Small, 41.0	41.0
isRefreshEnabled	Boolean	Indicates whether this model is included in the refresh schedule (<code>true</code>) or not (<code>false</code>).	Small, 50.0	50.0
label	String	The label of the model.	Small, 41.0	41.0
lastModifiedBy	SmartDataDiscovery User	The user who last modified the model.	Small, 41.0	41.0
lastModifiedDate	Date	The last modified date of the model.	Small, 41.0	41.0
model	AssetReference	A ID for the AI model.	Small, 48.0	48.0
modelType	String	The type of the model.	Small, 47.0	47.0
name	String	The developer name of the model.	Small, 41.0	41.0

Property Name	Type	Description	Filter Group and Version	Available Version
prediction DefinitionUrl	String	The URL to the prediction definition for the model.	Small, 41.0	41.0
prescribable Fields	SmartDataDiscovery PrescribableField[]	A list of the prescribable fields for the model.	Small, 48.0	48.0
sortOrder	Integer	A unique number indicating the order in which this model's filters are evaluated compared to all other models in the parent prediction definition.	Small, 41.0	41.0
status	SmartDataDiscovery StatusEnum	The status of the model. Valid values are: <ul style="list-style-type: none"> Disabled Enabled 	Small, 46.0	46.0
story	AssetReference	A story asset reference information.	Small, 52.0	52.0
transformation Overrides	AbstractSmartData Discovery Transformation Override[]	A list of the transformation overrides for the model. Valid values are: <ul style="list-style-type: none"> Smart Data Discovery Projected Predictions Override 	Small, 55.0	55.0
url	String	The URL for the model.	Small, 41.0	41.0

Smart Data Discovery Multiclass Classification Prediction Property

The multiclass classification prediction model type.

Properties

Inherits properties from [AbstractSmartDataDiscoveryPredictionProperty](#).

Property Name	Type	Description	Filter Group and Version	Available Version
algorithmType	SmartDataDiscovery Classification AlgorithmType Enum	The classification algorithm type. Valid values are: <ul style="list-style-type: none"> Best (Model tournament) Drf (Distributed Random Forest) Gbm (GBM) Glm (GLM) Xgboost (XGBoost) 	Small, 49.0	49.0

Smart Data Discovery Multiclass Predict

An Einstein Discovery multiclass predict result.

Properties

Inherits properties from [AbstractSmartDataDiscoveryPredict](#).

Property Name	Type	Description	Filter Group and Version	Available Version
<code>class Probabilities</code>	Map<Double, Double>	A map of predict probabilities for each class.	Small, 52.0	52.0
<code>predicted Class</code>	String	The predict value.	Small, 52.0	52.0
<code>type</code>	String	The type of the predict result.	Small, 52.0	52.0

Smart Data Discovery Narrative Details

The textual narrative data for an Einstein Discovery story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
<code>text</code>	String	The text for the narrative data.	Small, 51.0	51.0

Smart Data Discovery Narrative Field Collection

A collection of narrative data for an Einstein Discovery story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
<code>postBody</code>	SmartDataDiscovery NarrativePostBody	The live metrics from running predictions.	Small, 51.0	51.0
<code>results</code>	SmartDataDiscovery NarrativeField[]	The list of fields for the narrative.	Small, 51.0	51.0

Smart Data Discovery Narrative Field

A single row of narrative data for an Einstein Discovery story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
field	String	The field name for the narrative data.	Small, 51.0	51.0
narrative	SmartDataDiscovery NarrativeDetails	The interpreted narrative for the condition.	Small, 51.0	51.0
score	Double	The score for the condition.	Small, 51.0	51.0

Smart Data Discovery Narrative Post Body Filter

A query filter for narrative data of an Einstein Discovery story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
columns	String[]	The list of columns for filtering the query.	Small, 51.0	51.0
property	AbstractStoryData Property	<p>The filter for the query service to use. Valid data properties are:</p> <ul style="list-style-type: none"> • Story All Other Field Value • Story Day Field Value • Story Day Field Value • Story Field Only Value • Story Month Field Value • Story Month Of Year Field Value • Story Null Field Value • Story Quarter Field Value • Story Quarter Of Year Field Value • Story Range Field Value • Story Text Field Value • Story Year Field Value 	Small, 52.0	52.0
values	String[]	The list of values to used to filter the query.	Small, 51.0	51.0

Smart Data Discovery Narrative Post Body Insight

The narrative insight metadata.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
<code>insightType</code>	ConnectEDInsightTypeEnum	The requested insight type. Valid values are: <ul style="list-style-type: none"> • Descriptive • Summary 	Small, 51.0	51.0
<code>narrativeType</code>	ConnectEDNarrativeTypeEnum	The requested narrative type. Valid values are: <ul style="list-style-type: none"> • Positive • Negative 	Small, 51.0	51.0
<code>numInsights</code>	Integer	The number of insights returned.	Small, 51.0	51.0

Smart Data Discovery Narrative Post Body Query

A query for narrative data of an Einstein Discovery story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
<code>filters</code>	SmartDataDiscoveryNarrativePostBodyFilter[]	The list of filters for the query.	Small, 51.0	51.0
<code>insight</code>	SmartDataDiscoveryNarrativePostBodyInsight	The insight for the query.	Small, 51.0	51.0

Smart Data Discovery Narrative Post Body

A single row of narrative data for an Einstein Discovery story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
<code>includeWarnings</code>	Boolean	Indicates whether warnings are detected in this narrative (<code>true</code>) or not (<code>false</code>).	Small, 51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
query	SmartDataDiscoveryNarrativePostBodyQuery	The query parameters passed for the narrative.	Small, 51.0	51.0
story	AssetReference	The story for the narrative.	Small, 51.0	51.0
storyId	String	The ID of the story for this narrative.	Small, 51.0	51.0

Smart Data Discovery Numeric Range

A numeric range for a field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
max	Double	The maximum value for the range.	Small, 57.0	57.0
min	Double	The minimum value for the range.	Small, 57.0	57.0

Smart Data Discovery Numerical Projected Prediction

An Einstein Discovery numerical projected prediction.

Properties

Inherits properties from [AbstractSmartDataDiscoveryProjectedPrediction](#).

Property Name	Type	Description	Filter Group and Version	Available Version
prediction	String	The prediction outcome.	Small, 54.0	54.0

Smart Data Discovery Predict Column Custom Text

The custom text for a predict column given by the Einstein Discovery prediction.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
mapping	Map<String, String>	A placeholder to the resolved value defined in the template text. The map is null if there are no placeholders.	Small, 50.0	50.0

Property Name	Type	Description	Filter Group and Version	Available Version
templateText	String	The template text if a custom override is defined for the column. When the column value should be skipped, this is an empty string.	Small, 50.0	50.0

Smart Data Discovery Predict Column

A column given from an Einstein Discovery prediction.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
columnLabel	String	The label of the column.	Small, 51.0	51.0
columnName	String	The name of the column.	Small, 41.0	41.0
columnValue	String	The value of the column.	Small, 51.0	51.0
customText	SmartDataDiscovery PredictColumn CustomText	The custom text definition, if it's defined for the column name.	Small, 50.0	50.0
inputValue	String	The input value that created this prediction column.	Small, 50.0	50.0

Smart Data Discovery Predict Condition

An Einstein Discovery predict condition.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
columns	SmartDataDiscovery PredictColumn[]	The list of column information for the prediction.	Small, 41.0	41.0
value	Double	The value of the prediction.	Small, 41.0	41.0

Smart Data Discovery Prediction Definition Collection

A collection of Einstein Discovery prediction definitions.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
nextPageUrl	String	The URL to get the next page of results.	Small, 50.0	50.0
predictionDefinitions	SmartDataDiscovery Prediction Definition[]	The list of prediction definitions.	Small, 41.0	41.0
totalSize	Integer	The total count of items in the collection.	Small, 41.0	41.0
url	String	The URL to get the collection.	Small, 41.0	41.0

Smart Data Discovery Prediction Definition

An Einstein Discovery prediction definition.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
countOfActiveModels	Integer	The number of active models currently present for the prediction model.	Small, 48.0	48.0
countOfModels	Integer	The number of all models currently present for the prediction model.	Small, 41.0	41.0
createdBy	SmartDataDiscovery User	The user who created the prediction definition.	Small, 41.0	41.0
createdDate	Date	The creation date of the prediction definition.	Small, 41.0	41.0
id	String	The ID of the prediction definition.	Small, 41.0	41.0
label	String	The label of the prediction definition.	Small, 41.0	41.0
lastModifiedBy	SmartDataDiscovery User	The user who last modified the prediction definition.	Small, 41.0	41.0
lastModifiedDate	Date	The last modified date of the prediction definition.	Small, 41.0	41.0
mappedOutcomeField	Integer	The mapped outcome field for Salesforce.	Small, 47.0	47.0
modelsUrl	String	The URL for the prediction definition's models.	Small, 41.0	41.0
name	String	The developer name of the prediction definition.	Small, 41.0	41.0

Property Name	Type	Description	Filter Group and Version	Available Version
namespace	String	The qualified namespace of the prediction definition.	Small, 51.0	51.0
ninetyDayWarningCount	Integer	The total number of warnings for the prediction model over the last 90 days.	Supplemental, 50.0	50.0
outcome	SmartDataDiscoveryPredDefOutcomeField	The outcome information of the prediction definition.	Small, 46.0	46.0
predictionType	SmartDataDiscoveryPredictionTypeEnum	The prediction type. Valid values are: <ul style="list-style-type: none"> • Classification • MulticlassClassification • Regression • Unknown 	Small, 48.0	48.0
pushbackField	SmartDataDiscoveryPushbackField	The pushback of the prediction definition.	Small, 46.0	46.0
pushbackType	SmartDataDiscoveryPushbackTypeEnum	The pushback type. Valid values are: <ul style="list-style-type: none"> • AiRecordInsight • Direct 	Small, 52.0	52.0
refreshConfig	SmartDataDiscoveryRefreshConfig	The refresh configuration of the prediction definition.	Small, 50.0	50.0
status	SmartDataDiscoveryStatusEnum	The status of the prediction definition. Valid values are: <ul style="list-style-type: none"> • Disabled • Enabled 	Small, 46.0	46.0
subscribedEntity	String	The entity the prediction definition is subscribed to.	Small, 41.0	41.0
terminalStateFilter	SmartDataDiscoveryFilterList	The terminal state filter of the prediction definition.	Small, 46.0	46.0
totalPredictionsCount	Integer	The total number of predictions for the prediction definition.	Supplemental, 50.0	50.0
totalWarningsCount	Integer	The total number of warnings for the prediction definition.	Supplemental, 50.0	50.0
url	String	The URL for the prediction definition.	Small, 41.0	41.0

Smart Data Discovery Prediction Error

An Einstein Discovery prediction error.

Properties

Inherits properties from [AbstractSmartDataDiscoveryPrediction](#).

Property Name	Type	Description	Filter Group and Version	Available Version
errorCode	Integer	The error code.	Small, 44.0	44.0
message	String	The error message.	Small, 44.0	44.0

Smart Data Discovery Prediction

An Einstein Discovery prediction result.

Properties

Inherits properties from [AbstractSmartDataDiscoveryPrediction](#).

Property Name	Type	Description	Filter Group and Version	Available Version
model	AssetReference	The model information of a success prediction.	Small, 47.0	47.0
prediction	AbstractSmartDataDiscoveryPredict	The raw prediction, including prediction value, predictive factors, and warnings. Valid values are: <ul style="list-style-type: none"> Smart Data Discovery Multiclass Prediction Smart Data Discovery Predict Error Smart Data Discovery Predict 	Small, 41.0	41.0
prescriptions	SmartDataDiscoveryPredictCondition[]	The details of how actionable values could be used to improve the prediction.	Small, 41.0	41.0
projected Predictions	SmartDataDiscoveryProjectedPredictions	The projected predictions for the prediction, if available.	Small, 54.0	54.0

Smart Data Discovery Predict Error

An Einstein Discovery predict error result.

Properties

Inherits properties from [AbstractSmartDataDiscoveryPredict](#).

Property Name	Type	Description	Filter Group and Version	Available Version
errorCode	Integer	The error code.	Small, 44.0	44.0
message	String	The error message.	Small, 44.0	44.0

Smart Data Discovery Import Warnings

The import warnings for an Einstein Discovery prediction.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
mismatchedColumns	String[]	A list of mismatched columns for the predict result.	Small, 42.0	42.0
missingColumns	String[]	A list of missing columns for the predict result.	Small, 42.0	42.0
outOfBoundsColumns	SmartDataDiscoveryPredictColumn []	A list of out of bounds columns for the predict result.	Small, 42.0	42.0

Smart Data Discovery Predict Job Collection

A collection of Einstein Discovery predict jobs.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
predictJobs	SmartDataDiscoveryPredictJob []	A list of predict jobs available to the current user.	Small, 48.0	48.0
totalSize	Integer	The total size of the items in the collection.	Small, 48.0	48.0
url	Integer	The URL to get the predict job results.	Small, 48.0	48.0

Smart Data Discovery Predict Job

An Einstein Discovery predict job.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
batchSize	Integer	The number of records processed per batch.	Small, 49.0	49.0
createdBy	SmartDataDiscovery User	The user who created the predict job.	Small, 48.0	48.0
createdDate	Date	The creation date of the predict job.	Small, 48.0	48.0
failedRecords	Integer	The total number of records that failed to process.	Small, 49.0	49.0
filters	SmartDataDiscovery Filter[]	A list of filters applied to determine whether a row was scored by the predict job.	Small, 48.0	48.0
id	String	The ID of the predict job.	Small, 48.0	48.0
label	String	The label of the predict job.	Small, 48.0	48.0
lastModified By	SmartDataDiscovery User	The user who last modified the predict job.	Small, 48.0	48.0
lastModified Date	Date	The last modified date of the predict job.	Small, 48.0	48.0
message	String	The extended message for the status of the predict job, if available.	Small, 48.0	48.0
name	String	The developer name of the predict job.	Small, 48.0	48.0
prediction Definition	AssetReference	The prediction definition information for the predict job.	Small, 48.0	48.0
processed Records	Integer	The total number of records that processed, including failures.	Small, 49.0	49.0
status	SmartDataDiscovery PredictJobStatus Enum	The status of the predict job. Valid values are: <ul style="list-style-type: none"> Cancelled Completed Failed InProgress NotStarted Paused 	Small, 48.0	48.0
subscribed Entity	String	The entity the predict job is subscribed to.	Small, 48.0	48.0

Property Name	Type	Description	Filter Group and Version	Available Version
totalRecords	Integer	The total number of records that processed.	Small, 49.0	49.0
url	String	The URL for the predict job.	Small, 48.0	48.0
useTerminal StateFilter	Boolean	Indicates whether the job scored any record NOT matching the terminal state filter on the goal (<code>true</code>) or not (<code>false</code>).	Small, 49.0	49.0

Smart Data Discovery Predict List

A list of Einstein Discovery predictions.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
aggregate Predictions	AbstractSmartDataDiscoveryAggregatePrediction[]	A list of aggregate prediction results. Valid values are: <ul style="list-style-type: none"> SmartDataDiscoveryAggregatePrediction SmartDataDiscoveryAggregatePredictionError 	Small, 55.0	55.0
prediction Definition	String	The ID of the prediction definition used to make the prediction.	Small, 44.0	44.0
prediction Type	SmartDataDiscoveryPredictionType Enum	The prediction type. Valid values are: <ul style="list-style-type: none"> <code>Classification</code> <code>MulticlassClassification</code> <code>Regression</code> <code>Unknown</code> 	Small, 55.0	55.0
predictions	AbstractSmartDataDiscoveryPrediction[]	A list of predictions. Valid values are: <ul style="list-style-type: none"> SmartDataDiscoveryPrediction SmartDataDiscoveryPredictionError 	Small, 55.0	55.0
settings	SmartDataDiscoveryPredictSettings	The settings used for improvements.	Small, 46.0	46.0

Smart Data Discovery Predict Settings

The settings for an Einstein Discovery prediction.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
aggregate Functions	String[]	The list of the aggregate functions used to make the prediction.	Small, 55.0	55.0
maxMiddle Values	Integer	The maximum middle values. Range is [0, 3].	Small, 50.0	50.0
max Prescriptions	Integer	The maximum prescription count. Range is [-1, 200], where -1 indicates unlimited.	Small, 41.0	41.0
prescription Impact Percentage	Integer	The impact percentage of prescriptions. If the value is 0, the default value, then all prescriptions are returned. If the value is 5, then only prescriptions that will improve the prediction by at least 5% are returned.	Small, 47.0	47.0
settings	SmartDataDiscovery ProjectedPrediction Settings	The setting overrides for projected predictions.	Small, 54.0	54.0

Smart Data Discovery Predict

An Einstein Discovery predict result.

Properties

Inherits properties from [AbstractSmartDataDiscoveryPredict](#).

Smart Data Discovery Prediction Definition Outcome Field

An Einstein Discovery prediction definition outcome field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
goal	ConnectSmartData DiscoveryOutcome GoalEnum	The prediction definition outcome goal. Valid values are: <ul style="list-style-type: none"> Maximize Minimize None 	Small, 46.0	46.0

Smart Data Discovery Prescribable Field

An Einstein Discovery prescribable field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
custom Definitions	SmartDataDiscoveryCustomPrescribableFieldDefinition[]	A list of custom prescribable field definitions to override default prescription text.	Small, 50.0	50.0
field	AbstractSmartDataDiscoveryModelField[]	A prescribable field. Valid values are: <ul style="list-style-type: none"> SmartDataDiscoveryModelFieldDate SmartDataDiscoveryModelFieldNumeric SmartDataDiscoveryModelFieldText 	Small, 50.0	50.0

Smart Data Discovery Projected Prediction Field

An Einstein Discovery projected prediction field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
intervalType	SmartDataDiscoveryProjectedPredictionsIntervalTypeEnum	The projected predictions internal type. Valid values are: <ul style="list-style-type: none"> Day Month Quarter Week 	Small, 54.0	54.0
name	String	The name of the field.	Small, 54.0	54.0
numberOfIntervals	Integer	The number of intervals used to produce the results in projected prediction for all fields.	Small, 54.0	54.0
projectedValues	SmartDataDiscoveryProjectedValue[]	A list of projected values for each interval.	Small, 54.0	54.0

Smart Data Discovery Projected Prediction Settings

The settings for projected prediction fields.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
confidenceInterval	Integer	The confidence interval to display at each point. Allowed values are 80 and 95.	Small, 55.0	55.0
numberOfIntervalsToPredictAhead	Integer	The override value for the number of intervals to predict ahead. Range is [1, 12].	Small, 41.0	41.0
showProjectedPredictionsByInterval	Boolean	Indicates whether to enable projected prediction calculation for every interval into the future (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0

Smart Data Discovery Projected Predictions Count From Date Interval Setting

The settings for an Einstein Discovery count from date based projection interval.

Properties

Inherits properties from [AbstractSmartDataDiscoveryProjectedPredictionsIntervalSetting](#).

Property Name	Type	Description	Filter Group and Version	Available Version
dateField	String	The date field to use for calculating projection intervals.	Small, 55.0	55.0
dateFieldLabel	String	The label for the date field.	Small, 55.0	55.0
numIntervals	Integer	The number of intervals to project ahead.	Small, 55.0	55.0

Smart Data Discovery Projected Predictions Count Interval Setting

The settings for an Einstein Discovery count based projection interval.

Properties

Inherits properties from [AbstractSmartDataDiscoveryProjectedPredictionsIntervalSetting](#).

Property Name	Type	Description	Filter Group and Version	Available Version
numIntervals	Integer	The number of intervals to project ahead.	Small, 55.0	55.0

Smart Data Discovery Projected Predictions Date Interval Setting

The settings for an Einstein Discovery date interval.

Properties

Inherits properties from [AbstractSmartDataDiscoveryProjectedPredictionsIntervalSetting](#).

Property Name	Type	Description	Filter Group and Version	Available Version
dateField	String	The date field to use for calculating projection intervals.	Small, 55.0	55.0
dateField Label	String	The label for the date field.	Small, 55.0	55.0

Smart Data Discovery Projected Predictions Override

The settings for an Einstein Discovery projected predictions override.

Properties

Inherits properties from [AbstractSmartDataDiscoveryTransformationOverride](#).

Property Name	Type	Description	Filter Group and Version	Available Version
assetIdField	String	The Salesforce object field name to use as a look-up for a record ID in a historical dataset.	Small, 55.0	55.0
interval Override	AbstractSmartDataDiscoveryProjectedPredictionsIntervalSetting	The projected predictions interval settings. Valid values are: <ul style="list-style-type: none"> • Smart Data Discovery Projected Predictions Count From Date Interval Setting • Smart Data Discovery Projected Predictions Count Interval Setting • Smart Data Discovery Projected Predictions Date Interval Setting 	Small, 55.0	55.0

Smart Data Discovery Projected Predictions

The projected predictions for an Einstein Discovery prediction result.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
fields	SmartDataDiscoveryProjectedPredictionField[]	The field level information for each projected prediction transformation.	Small, 54.0	54.0
intervalSetting	AbstractSmartDataDiscoveryProjectedPredictionsIntervalSetting	The setting used for calculating projected prediction interval. Valid values are: <ul style="list-style-type: none"> Smart Data Discovery Projected Predictions Count From Date Interval Setting Smart Data Discovery Projected Predictions Count Interval Setting Smart Data Discovery Projected Predictions Date Interval Setting 	Small, 55.0	55.0
intervalType	SmartDataDiscoveryProjectedPredictionsIntervalTypeEnum	The projected predictions interval type. Valid values are: <ul style="list-style-type: none"> Day Month Quarter Week 	Small, 54.0	54.0
numberOfIntervalsProjectedAhead	Integer	The number of intervals used to produce the results in projected prediction for all fields.	Small, 54.0	54.0
predictions	AbstractSmartDataDiscoveryProjectedPrediction[]	A list of projected prediction results per interval. Valid values are: <ul style="list-style-type: none"> Smart Data Discovery Catagorical Projected Prediction Smart Data Discovery Numerical Projected Prediction 	Small, 54.0	54.0

Smart Data Discovery Projected Value

An Einstein Discovery projected value.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
confidenceIntervalLowerBound	Double	The confidence interval lower bound at the interval.	Small, 55.0	55.0
confidenceIntervalUpperBound	Double	The confidence interval upper bound at the interval.	Small, 55.0	55.0
value	Double	The projected value at the interval.	Small, 54.0	54.0

Smart Data Discovery Pushback Field

A pushback field for an Einstein Discovery prediction.

Properties

Inherits properties from [SmartDataDiscoveryField](#).

Smart Data Discovery Outcome

The analysis outcome for an Einstein Discovery story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
predictionType	AnalysisPredictionTypeEnum	The analysis prediction type. Valid values are: <ul style="list-style-type: none"> • Binary • Count • MultiClass • None • Numeric 	Small, 54.0	54.0
type	AnalysisOutcomeTypeEnum	The analysis outcome type. Valid values are: <ul style="list-style-type: none"> • Categorical • Count • Number • Text 	Small, 44.0	44.0

Smart Data Discovery Recipient

An Einstein Discovery recipient.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
displayName	String	The display name of the recipient.	Small, 50.0	50.0
id	String	The ID of the recipient.	Small, 50.0	50.0
type	SmartDataDiscovery RecipientTypeEnum	The type of the recipient. Valid values are: <ul style="list-style-type: none"> • Group • User 	Small, 50.0	50.0

Smart Data Discovery Refresh Config

The refresh configuration for an Einstein Discovery prediction.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
isEnabled	Boolean	Indicates whether scheduled refresh is enabled (<code>true</code>) or not (<code>false</code>).	Small, 50.0	50.0
recipientList	SmartDataDiscovery Recipient[]	A list of recipients for email notification.	Small, 50.0	50.0
schedule	Schedule	The schedule for the refresh job.	Small, 50.0	50.0
shouldScore AfterRefresh	Boolean	Indicates whether to automatically rescore records after a successful refresh (<code>true</code>) or not (<code>false</code>).	Small, 50.0	50.0
userContext	SmartDataDiscovery User	The user context for the refresh job.	Small, 50.0	50.0
warning Threshold Percentage	Double	The refresh warning threshold percentage for auto model deploy.	Small, 50.0	50.0

Smart Data Discovery Refresh Job Collection

A collection of Einstein Discovery refresh jobs.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
refreshJobs	SmartDataDiscovery RefreshJob[]	The list of refresh jobs available to the current user.	Small, 50.0	50.0
totalSize	Integer	The total count of items in the collection.	Small, 50.0	50.0
url	String	The URL to get the collection.	Small, 50.0	50.0

Smart Data Discovery Refresh Job

An Einstein Discovery refresh job.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
createdBy	SmartDataDiscovery User	The user who created the refresh job.	Small, 50.0	50.0
createdDate	Date	The creation date of the refresh job.	Small, 50.0	50.0
endTime	Date	The end time of the refresh job.	Small, 50.0	50.0
id	String	The ID of the refresh job.	Small, 50.0	50.0
message	String	The extended message for the status of the refresh job, if available.	Small, 50.0	50.0
refreshTarget	AssetReference	The refresh target for the refresh job.	Small, 50.0	50.0
refreshTasksUrl	String	The URL to the refresh tasks collection for the refresh job.	Small, 50.0	50.0
startTime	Date	The start time of the refresh job.	Small, 50.0	50.0
status	SmartDataDiscovery RefreshJobStatus Enum	The status of the refresh job. Valid values are: <ul style="list-style-type: none"> Cancelled CompletedWithWarnings Failure NoRunnableTask NotStarted Running ScoringJobFailed Success UserNotFound 	Small, 50.0	50.0

Property Name	Type	Description	Filter Group and Version	Available Version
type	SmartDataDiscovery RefreshJobType Enum	The type of the refresh job. Valid values are: <ul style="list-style-type: none"> Scheduled UserTriggered 	Small, 50.0	50.0
url	String	The URL for the predict job.	Small, 48.0	48.0

Smart Data Discovery Refresh Task Collection

A collection of Einstein Discovery refresh task.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
refreshTasks	SmartDataDiscovery RefreshTask[]	The list of refresh task available to the current user.	Small, 50.0	50.0
totalSize	Integer	The total count of items in the collection.	Small, 50.0	50.0
url	String	The URL to get the collection.	Small, 50.0	50.0

Smart Data Discovery Refresh Task Source

The source for an Einstein Discovery refresh task.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
datasetVersion	AssetReference	The specific dataset version used for this refresh.	Small, 50.0	50.0
story	AssetReference	The specific story used for this refresh.	Small, 50.0	50.0
storyVersion	AssetReference	The specific story version used for this refresh.	Small, 50.0	50.0

Smart Data Discovery Refresh Task

An Einstein Discovery refresh task.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
createdBy	SmartDataDiscovery User	The user who created the refresh task.	Small, 50.0	50.0
createdDate	Date	The creation date of the refresh task.	Small, 50.0	50.0
endTime	Date	The end time of the refresh task.	Small, 50.0	50.0
id	String	The ID of the refresh task.	Small, 50.0	50.0
message	String	The extended message for the status of the refresh task, if available.	Small, 50.0	50.0
refreshTarget	AssetReference	The refresh target for the refresh task.	Small, 50.0	50.0
refreshedAI Model	AssetReference	The refreshed AI model.	Small, 50.0	50.0
source	SmartDataDiscovery RefreshTaskSource	The input source used for the refresh task.	Small, 50.0	50.0
startTime	Date	The start time of the refresh job.	Small, 50.0	50.0
status	SmartDataDiscovery RefreshTaskStatus Enum	The status of the refresh task. Valid values are: <ul style="list-style-type: none"> • AnalysisNotFound • Cancelled • DatasetJoinFieldsMissing • DatasetNotFound • DatasetNotUpdated • Failure • LimitsReached • ModelSchemaChanged • NotStarted • OutcomeValuesChanged • PoissonDistribution Disabled • Running • StoryCreationFailure • Success • UserNotFound • WarningThresholdReached 	Small, 50.0	50.0
url	String	The URL for the predict job.	Small, 48.0	48.0

Smart Data Discovery Regression Classification Prediction Property

The regression classification prediction model type.

Properties

Inherits properties from [AbstractSmartDataDiscoveryPredictionProperty](#).

Property Name	Type	Description	Filter Group and Version	Available Version
algorithmType	SmartDataDiscoveryRegressionAlgorithmTypeEnum	The regression algorithm type. Valid values are: <ul style="list-style-type: none"> • Drf (Distributed Random Forest) • Gbm (GBM) • G1m (GLM) • Xgboost (XGBoost) 	Small, 49.0	49.0
classificationThreshold	BinaryClassificationThreshold	The classification threshold (e.g. binary classification threshold for logistic regression models).	Small, 48.0	48.0

Smart Data Discovery Training Metrics

A collection of Einstein Discovery metrics from training a model.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
mae	Double	The mean absolute error (mae) training metric.	Small, 50.0	50.0
rowCount	Integer	The number of rows this model was trained on.	Small, 50.0	50.0
value	Map<Object, Object>	The complex value of this training metric represented as a Map.	Small, 50.0	50.0

Smart Data Discovery User

An Einstein Discovery user.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
id	String	The ID of the user.	Small, 41.0	41.0
name	String	The name of the user.	Small, 41.0	41.0
profilePhotoUrl	String	The Chatter profile photo of the user.	Small, 41.0	41.0

Story Diagnostic Insights Detail

The detail for story diagnostic insights.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
category	InsightsResult CategoryEnum	The insights result category. Valid values are: <ul style="list-style-type: none"> Negative Positive 	Small, 53.0	53.0
conditionRestriction	InsightsCondition RestrictionEnum	The insights condition restriction. Valid values are: <ul style="list-style-type: none"> Included NotIncluded 	Small, 53.0	53.0
details	DiagnosticInsightsCase[]	A list of the case details for a diagnostic insight.	Small, 53.0	53.0
impact	StoryDescriptive InsightsImpact Enum	The descriptive insights impact for the story. Valid values are: <ul style="list-style-type: none"> Improved Worsened 	Small, 53.0	53.0

Story All Other Field Value

The story data property for all other values in a field.

Properties

Inherits properties from [AbstractStoryDataProperty](#).

Story Chart Value

A value in a story chart.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
classDetails	StoryChartValueDetail[]	A list of the story chart value class specific details.	Small, 54.0	54.0
details	StoryChartValueDetail[]	A list of the story chart value details.	Small, 54.0	54.0
dimensions	StoryFieldLabelValueProperty[]	A list of the story chart value dimensions.	Small, 54.0	54.0
type	StoryChartValueTypeEnum	The story chart value type. Valid values are: <ul style="list-style-type: none"> • Average • Baseline • Impact • Prediction • SmallTerms • Unexplained • Value 	Small, 54.0	54.0
value	Double	The value of the story chart.	Small, 54.0	54.0

Story Chart Value Detail

The detail for a value in a story chart.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
allOthersCount	Double	The count of all others.	Small, 54.0	54.0
allOthersCountRatio	Double	The ratio of the all others count.	Small, 54.0	54.0
average	Double	The average of the value.	Small, 54.0	54.0
baseCoefficient	Double	The base coefficient of the value.	Small, 54.0	54.0

Property Name	Type	Description	Filter Group and Version	Available Version
bucketRange	String	The range of the bucket during story version comparison.	Small, 54.0	54.0
changeFromAverage	Double	The change from average for the value.	Small, 54.0	54.0
changeFromAverageForOtherBuckets	Double	The change from average for other buckets for the value.	Small, 54.0	54.0
changeFromExpected	Double	The change from expected for the value.	Small, 54.0	54.0
changeFromOverall	Double	The change from overall for the value.	Small, 54.0	54.0
changeFromUsual	Double	The change from usual for the value.	Small, 54.0	54.0
coefficient	Double	The coefficient for the value.	Small, 54.0	54.0
combinedImpact	Double	The impact of combined terms for the value.	Small, 54.0	54.0
conditionalFrequency	Double	The conditional frequency for the value.	Small, 54.0	54.0
frequency	Double	The frequency for the value.	Small, 54.0	54.0
globalCount	Double	The global count for the value.	Small, 54.0	54.0
globalMean	Double	The global mean for the value.	Small, 54.0	54.0
impact	Double	The impact for the value.	Small, 54.0	54.0
isReferenceGroup	Boolean	Indicates whether the value is a reference group (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0
isSignificantlyDifferent	Boolean	Indicates whether the value is significantly different (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0
leftFrequency	Double	The left frequency for the value.	Small, 54.0	54.0
leftImpact	Double	The left impact for the value.	Small, 54.0	54.0
order	Integer	The order for the value.	Small, 54.0	54.0
precludedCount	Integer	The precluded count for the value.	Small, 54.0	54.0
precludedSum	Double	The precluded sum for the value.	Small, 54.0	54.0
ratioDifference	Double	The ratio difference for the value.	Small, 55.0	55.0

Property Name	Type	Description	Filter Group and Version	Available Version
right Frequency	Double	The right frequency for the value.	Small, 54.0	54.0
rightImpact	Double	The right impact for the value.	Small, 54.0	54.0
rowCount	Long	The row count for the value.	Small, 54.0	54.0
rowCountRatio	Double	The row count ratio for the value.	Small, 54.0	54.0
standard Deviation	Double	The standard deviation for the value.	Small, 54.0	54.0
termsCombined	Integer	The number of combined terms for the value.	Small, 54.0	54.0
total	Double	The total for the value.	Small, 54.0	54.0

Story Chart

A story chart.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
categoryLabel	String	The category label for the story chart.	Small, 54.0	54.0
metricLabel	String	The metric label for the story chart.	Small, 54.0	54.0
values	StoryChartValue[]	A list of the story chart values.	Small, 54.0	54.0

Story Collection

A collection of Einstein Discovery stories.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
nextPageUrl	Integer	The URL to get the next page of items for the collection.	Small, 48.0	48.0
stories	Story[]	A list of stories available to the current user.	Small, 48.0	48.0
totalSize	Integer	The total size of the items in the collection.	Small, 48.0	48.0
url	Integer	The URL to get the predict job results.	Small, 48.0	48.0

Story Count Insights Case

A count story insights case.

Properties

Inherits properties from [AbstractStoryInsightsCase](#).

Property Name	Type	Description	Filter Group and Version	Available Version
count	Double	The count for the insights case	Small, 54.0	54.0
countChangeFrom	Double	The count change from for the insights case	Small, 54.0	54.0
frequency	Double	The summary statistics frequency value for the insights case	Small, 52.0	52.0
frequencyChange	StoryCountInsightsFrequencyChangeEnum	The impact due to changed summary value. Valid values are: <ul style="list-style-type: none"> Down Up 	Small, 52.0	52.0
frequencyChangeFrom	Double	The change in the summary statistics value for the insights case	Small, 52.0	52.0
frequencyRate	StoryCountInsightsFrequencyEnum	The occurrence frequency rate for the insights case. Valid values are: <ul style="list-style-type: none"> LessOften MoreOften 	Small, 52.0	52.0
multiplier	Double	The score of the field value for the insights case	Small, 52.0	52.0
sum	Double	The sum value for the insights case	Small, 54.0	54.0
sumChangeFrom	Double	The sum change from value for the insights case	Small, 54.0	54.0

Story Day Field Value

The story data day property.

Properties

Inherits properties from [AbstractStoryDataProperty](#).

Property Name	Type	Description	Filter Group and Version	Available Version
day	Integer	The day in numeric value.	Small, 52.0	52.0

Property Name	Type	Description	Filter Group and Version	Available Version
<code>fiscal</code>	Boolean	Indicates whether the value is in a fiscal year (<code>true</code>) or not (<code>false</code>).	Small, 52.0	52.0
<code>month</code>	Integer	The month in numeric value.	Small, 52.0	52.0
<code>rawValue</code>	String	The raw value of the field.	Small, 52.0	52.0
<code>year</code>	Integer	The year in numeric value.	Small, 52.0	52.0

Story Day of Week Field Value

The story data day of week property.

Properties

Inherits properties from [AbstractStoryDataProperty](#).

Property Name	Type	Description	Filter Group and Version	Available Version
<code>dayOfWeek</code>	Integer	The day of week in numeric value.	Small, 52.0	52.0
<code>rawValue</code>	String	The raw value of the field.	Small, 52.0	52.0

Story Descriptive Insights Case

A descriptive story insights case.

Properties

Inherits properties from [AbstractStoryInsightsCase](#).

Property Name	Type	Description	Filter Group and Version	Available Version
<code>change</code>	Double	The changed value for the insights case	Small, 52.0	52.0
<code>frequencyChange</code>	StoryDescriptive InsightsImpact Enum	The impact on the result. Valid values are: <ul style="list-style-type: none"> Improved Worsened 	Small, 52.0	52.0
<code>impactDetails</code>	StoryFieldImpactDetail[]	A list of field values that impact the result.	Small, 52.0	52.0
<code>mean</code>	Double	The mean value for the insights case	Small, 54.0	54.0
<code>rating</code>	StoryDescriptive InsightsRatingEnum	The score rating of the average outcome. Valid values are: <ul style="list-style-type: none"> AboveAverage 	Small, 52.0	52.0

Property Name	Type	Description	Filter Group and Version	Available Version
		<ul style="list-style-type: none"> BelowAverage Higher Lower 		

Story Details

The details for a story. These details are the top positive and negative factors contributing to story outcome.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
condition	StoryField[]	The field value combination that contributed to the outcome result.	Small, 51.0	51.0
count	Long	The count of the condition records.	Small, 51.0	51.0
diffFromAverage	Double	The difference between the mean and the global average for analysis with outcome.	Small, 51.0	51.0
diffFromExpected	Double	The difference between the mean and the global average for count analysis.	Small, 51.0	51.0
diffFromUsual	Double	The difference between the mean with constraining and without constraint for count analysis.	Small, 51.0	51.0
percentage	Double	The percentage value.	Small, 51.0	51.0
rateOfOccurrence	Double	The occurrence count.	Small, 51.0	51.0
score	Double	The score of the condition field.	Small, 51.0	51.0

Story Field Correlation

The summary of each field in the dataset selected for story creation.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
correlationToOutcome	Double	The field correlation to outcome value.	Small, 51.0	51.0
fieldLabel	String	The label for the dataset field.	Small, 51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
fieldName	String	The name for the dataset field.	Small, 51.0	51.0

Story Field Impact Detail

A story field impact details.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
impactField	StoryFieldLabel ValueProperty	A details of the field impacting the story result.	Small, 52.0	52.0

Story Field Label Value Property

A story field.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
label	String	The label for the story field.	Small, 52.0	52.0
property	AbstractStoryData Property	The data property of the story field. Valid values are: <ul style="list-style-type: none"> Story Day Field Value Story Day Of Week Field Value Story Field Only Story Month Field Value Story Month Of Year Field Value Story Null Field Value Story Quarter Field Value Story Quarter Of Year Field Value Story Range Field Value Story Text Field Value Story Year Field Value 	Small, 52.0	52.0
value	String	The value for the story field.	Small, 52.0	52.0

Story Field Only

The story data field property.

Properties

Inherits properties from [AbstractStoryDataProperty](#).

Story Field

The field value combination that contributed to the story outcome result.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
fieldName	String	The name for the story field.	Small, 51.0	51.0
property	AbstractStoryDataProperty	The field property. Valid values are: <ul style="list-style-type: none"> • Story All Other Field Value • Story Day Field Value • Story Day Of Week Field Value • Story Field Only • Story Month Field Value • Story Month Of Year Field Value • Story Null Field Value • Story Quarter Field Value • Story Quarter Of Year Field Value • Story Range Field Value • Story Text Field Value • Story Year Field Value 	Small, 52.0	52.0
type	StoryFieldDetailType Enum	The field type. Valid values are: <ul style="list-style-type: none"> • Field • Outcome 	Small, 54.0	54.0
value	String	The value for the field.	Small, 51.0	51.0

Story First Order Insights

The first order insights for a story.

Properties

Inherits properties from [AbstractStoryInsights](#).

Property Name	Type	Description	Filter Group and Version	Available Version
correlation	Double	The correlation value with respect to the outcome variable.	Small, 52.0	52.0
storyHistory	StoryQueryDisparate Impact	The disparate impact results for a story query.	Small, 54.0	54.0
potentialBias	StoryPotentialBias[]	A list of the potential bias results for a story query.	Small, 54.0	54.0
significantly Different	Boolean	Indicates whether the insight is significantly different (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0

Story Insights Detail

The insights detail for a story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
cases	AbstractStory InsightsCase[]	A list of story insights cases. Valid values are: <ul style="list-style-type: none"> StoryDescriptiveInsightsCase StoryCountInsightsCase 	Small, 52.0	52.0
category	InsightsResult CategoryEnum	The insights result category. Valid values are: <ul style="list-style-type: none"> Negative Positive 	Small, 52.0	52.0
comparedWith	InsightsComparison Enum	The insights score comparison criteria. Valid values are: <ul style="list-style-type: none"> Average Other UniformDistribution 	Small, 52.0	52.0
hasMoreCases	Boolean	Indicates whether there are more cases (<code>true</code>) or not (<code>false</code>).	Small, 55.0	55.0
outcomeClass	String	The outcome class for the story insight.	Small, 55.0	55.0

Story Month Field Value

The story data month property.

Properties

Inherits properties from [AbstractStoryDataProperty](#).

Property Name	Type	Description	Filter Group and Version	Available Version
<code>fiscal</code>	Boolean	Indicates whether the value is in a fiscal year (<code>true</code>) or not (<code>false</code>).	Small, 52.0	52.0
<code>month</code>	Integer	The month in numeric value.	Small, 52.0	52.0
<code>rawValue</code>	String	The raw value of the field.	Small, 52.0	52.0
<code>year</code>	Integer	The year in numeric value.	Small, 52.0	52.0

Story Month of Year Field Value

The story data month of year property.

Properties

Inherits properties from [AbstractStoryDataProperty](#).

Property Name	Type	Description	Filter Group and Version	Available Version
<code>month</code>	Integer	The month of year in numeric value.	Small, 52.0	52.0
<code>rawValue</code>	String	The raw value of the field.	Small, 52.0	52.0

Story Narrative Element Text

The text element for a story narrative.

Properties

Inherits properties from [AbstractStoryNarrativeElement](#).

Property Name	Type	Description	Filter Group and Version	Available Version
<code>conditionField</code>	AbstractStoryDataProperty	The narrative text with data properties. Valid values are: <ul style="list-style-type: none"> • Story All Other Field Value • Story Day Field Value • Story Day Of Week Field Value 	Small, 54.0	54.0

Property Name	Type	Description	Filter Group and Version	Available Version
		<ul style="list-style-type: none"> • Story Field Only • Story Month Field Value • Story Month Of Year Field Value • Story Null Field Value • Story Quarter Field Value • Story Quarter Of Year Field Value • Story Range Field Value • Story Text Field Value • Story Year Field Value 		
value	String	The value for the narrative text.	Small, 54.0	54.0

Story Narrative

A narrative for a story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
body	AbstractStoryNarrativeElement	The body of the narrative. Valid values are: <ul style="list-style-type: none"> • StoryNarrativeElementText 	Small, 54.0	54.0
header	AbstractStoryNarrativeElement	The body of the narrative. Valid values are: <ul style="list-style-type: none"> • StoryNarrativeElementText 	Small, 54.0	54.0
title	AbstractStoryNarrativeElement	The body of the narrative. Valid values are: <ul style="list-style-type: none"> • StoryNarrativeElementText 	Small, 54.0	54.0

Story Null Field Value

The story data null property.

Properties

Inherits properties from [AbstractStoryDataProperty](#).

Story Potential Bias

The potential bias for a story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
biasField	StoryFieldLabelValueProperty	The details for the bias field.	Small, 54.0	54.0
biasFieldVariation	Double	The variation for the bias field.	Small, 54.0	54.0
combinedVariation	Double	The combined variation for the bias field and the filter field.	Small, 54.0	54.0
filterFieldVariation	Double	The variation for the filter field.	Small, 54.0	54.0
similarity	Double	The similarity between the bias field and the filter field.	Small, 54.0	54.0

Story Quarter Field Value

The story data quarter property.

Properties

Inherits properties from [AbstractStoryDataProperty](#).

Property Name	Type	Description	Filter Group and Version	Available Version
fiscal	Boolean	Indicates whether the value is in a fiscal year (<code>true</code>) or not (<code>false</code>).	Small, 52.0	52.0
quarter	Integer	The quarter in numeric value.	Small, 52.0	52.0
rawValue	String	The raw value of the field.	Small, 52.0	52.0
year	Integer	The year in numeric value.	Small, 52.0	52.0

Story Quarter of Year Field Value

The story data quarter of year property.

Properties

Inherits properties from [AbstractStoryDataProperty](#).

Property Name	Type	Description	Filter Group and Version	Available Version
<code>fiscal</code>	Boolean	Indicates whether the value is in a fiscal year (<code>true</code>) or not (<code>false</code>).	Small, 52.0	52.0
<code>quarter</code>	Integer	The quarter in numeric value.	Small, 52.0	52.0
<code>rawValue</code>	String	The raw value of the field.	Small, 52.0	52.0

Story Query Diagnostic Insights

A story query diagnostic insights.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
<code>changeIn Outcome</code>	Double	The change in outcome because of selected condition.	Small, 53.0	53.0
<code>chart</code>	StoryChart	The chart for the diagnostic insight.	Small, 54.0	54.0
<code>condition Field</code>	StoryFieldLabel ValueProperty	The condition selected for the diagnostic insight.	Small, 53.0	53.0
<code>details</code>	StoryDiagnostic InsightsDetail[]	A list of diagnostic insight records.	Small, 53.0	53.0
<code>details</code>	StoryQueryDisparate Impact	The disparate impact details for the diagnostic insight.	Small, 54.0	54.0
<code>narrative</code>	StoryNarrative	The disparate impact details for the diagnostic insight.	Small, 54.0	54.0
<code>outcomeClass</code>	String	The outcome class for the diagnostic insight.	Small, 55.0	55.0
<code>outcomeField</code>	SmartDataDiscovery Outcome	The outcome field for the diagnostic insight.	Small, 53.0	53.0
<code>potentialBias</code>	StoryPotentialBias	The potential bias details for the diagnostic insight.	Small, 54.0	54.0

Story Query Disparate Impact Detail

The detail for a story query disparate impact.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
adverseRatio	Double	The adverse ratio value for a disparate impact.	Small, 54.0	54.0
value	String	The field value with adverse ratio.	Small, 54.0	54.0

Story Query Disparate Impact

A disparate impact for a story query.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
details	StoryQueryDisparateImpactDetail[]	A list of details for the disparate impact.	Small, 54.0	54.0
reference Value	String	The reference field value used to calculate the disparate impact.	Small, 54.0	54.0

Story Query Input Parameter

The input parameter for a story query.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
filters	AbstractStoryDataPropertyInput[]	<p>A list of filter fields used to query insights. Valid values are:</p> <ul style="list-style-type: none"> • Story Day Field Value Input • Story Day Of Week Field Value Input • Story Field Only Input • Story Month Field Value Input • Story Month Of Year Field Value Input • Story Null Field Value Input • Story Quarter Field Value Input • Story Quarter Of Year Field Value Input • Story Range Field Value Input • Story Text Field Value Input 	Small, 52.0	52.0

Property Name	Type	Description	Filter Group and Version	Available Version
		<ul style="list-style-type: none"> Story Year Field Value Input 		
<code>insightsType</code>	<code>InsightsTypeEnum</code>	The insights type. Valid values are: <ul style="list-style-type: none"> <code>Descriptive</code> <code>Diagnostic</code> 	Small, 52.0	52.0

Story Query

A query for story insights.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
<code>descriptive Insights</code>	AbstractStory Insights[]	A list of descriptive story insights. Valid values are: <ul style="list-style-type: none"> StoryFirstOrderInsights StorySecondOrderInsights 	Small, 52.0	52.0
<code>diagnostic Insights</code>	StoryQuery DiagnosticInsights[]	A list of diagnostic story insights.	Small, 53.0	53.0
<code>includeChart</code>	Boolean	Indicates whether to include the story chart in the query response (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0
<code>include Narrative</code>	Boolean	Indicates whether to include the story narrative in the query response (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0
<code>include RegularFields</code>	Boolean	Indicates whether to include regular fields in the query response (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0
<code>include Sensitive Fields</code>	Boolean	Indicates whether to include sensitive fields in the query response (<code>true</code>) or not (<code>false</code>).	Small, 54.0	54.0
<code>limit</code>	Integer	The total number of insight cards in the query response.	Small, 54.0	54.0
<code>offset</code>	Integer	The insight card offset value.	Small, 54.0	54.0
<code>query</code>	StoryQueryInput Parameter	The story query input parameters.	Small, 52.0	52.0
<code>totalSize</code>	Integer	The total insight count for the story.	Small, 52.0	52.0

Property Name	Type	Description	Filter Group and Version	Available Version
url	String	The URL for the story query.	Small, 52.0	52.0

Story Range Field Value

The story data range property.

Properties

Inherits properties from [AbstractStoryDataProperty](#).

Property Name	Type	Description	Filter Group and Version	Available Version
endValue	String	The end value of the range.	Small, 52.0	52.0
startValue	String	The start value of the range.	Small, 52.0	52.0

Story Second Order Insights

The second order insights for a story.

Properties

Inherits properties from [AbstractStoryInsights](#).

Property Name	Type	Description	Filter Group and Version	Available Version
condition Field	StoryFieldLabel ValueProperty	The condition field used for second order analysis.	Small, 52.0	52.0

Story Summary Detail

The summary detail for a story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
average Outcome	Double	The statistical mean for outcome variable.	Small, 51.0	51.0
correlations	StoryField Correlation[]	A summary of each field in the dataset selected for story creation.	Small, 51.0	51.0

Property Name	Type	Description	Filter Group and Version	Available Version
featureImportances	ModelFieldLabelMetrics[]	A list of importance metrics for the AI model.	Small, 56.0	56.0
negativeFactors	StoryDetails[]	A list of the top negative factors contributing to the outcome.	Small, 51.0	51.0
positiveFactors	StoryDetails[]	A list of the top positive factors contributing to the outcome.	Small, 51.0	51.0
rowCount	Long	The total number of rows in the dataset.	Small, 51.0	51.0
url	String	The URL for the story summary detail.	Small, 51.0	51.0

Story Text Field Value

The story data text property.

Properties

Inherits properties from [AbstractStoryDataProperty](#).

Property Name	Type	Description	Filter Group and Version	Available Version
value	String	The text value of the field.	Small, 52.0	52.0

Story Version Reference

The basic information for an Einstein Discovery story version.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
createdDate	Date	The creation date of the story version.	Small, 51.0	51.0
id	String	The ID of the story version.	Small, 51.0	51.0
url	String	The URL for the story version.	Small, 51.0	51.0

Story Version

An Einstein Discovery story version.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
alertsUrl	String	The URL for the alerts for this story version.	Small, 53.0	53.0
classificationThreshold	Abstract Classification Threshold	The threshold for classification. Valid values are: <ul style="list-style-type: none"> Binary Classification Threshold 	Small, 47.0	47.0
createdBy	SmartDataDiscovery User	The user who created this story version.	Small, 44.0	44.0
createdDate	Date	The creation date of the story version.	Small, 44.0	44.0
description	String	The description of the story version.	Small, 50.0	50.0
errorCode	Integer	The error code for the story version, if any.	Small, 44.0	44.0
fields	AbstractField Configuration[]	A list of field configurations. Valid values are: <ul style="list-style-type: none"> AbstractDateFieldConfiguration AbstractNumericFieldConfiguration AbstractTextFieldConfiguration 	Small, 47.0	47.0
folder	AssetReference	The folder that the story version belongs to.	Small, 44.0	44.0
id	String	The ID of the story version.	Small, 51.0	51.0
input	AbstractStorySource	The source for the story version. Valid values are: <ul style="list-style-type: none"> AnalyticsDatasetSource ReportSource 	Small, 45.0	45.0
inputProfile	AssetReference	The statistical summary of the input data.	Small, 46.0	46.0
insights	SmartDataDiscovery Insights[]	A list of insights associated with this story version.	Small, 44.0	44.0
label	String	The label for the story version.	Small, 44.0	44.0
lastModifiedBy	SmartDataDiscovery User	The user who last modified this story version.	Small, 44.0	44.0
lastModifiedDate	Date	The last modified date of the story version.	Small, 44.0	44.0
message	String	The error message for the story version, if any.	Small, 44.0	44.0

Property Name	Type	Description	Filter Group and Version	Available Version
model Configuration	SmartDataDiscovery ModelConfiguration	The model configuration for the story version.	Small, 54.0	54.0
outcome	SmartDataDiscovery Outcome	The field on which analysis is performed and its attributes.	Small, 44.0	44.0
parent	AssetReference	The parent of the story version, when it is created from an existing story.	Small, 44.0	44.0
processedRow Count	Integer	The number of rows processed in building the analysis.	Small, 57.0	57.0
sampling Strategy	AnalysisSampling StrategyEnum	The sampling strategy associated with the story version. Valid values are: <ul style="list-style-type: none"> Discovery None Random 	Small, 57.0	57.0
setup	Map<Object, Object>	A map of the JSON containing information about the setup menu, names, action variables, model settings, variables, and outcomes.	Big, 44.0	44.0
status	AnalysisSetupStatus Enum	The current status of the analysis. Valid values are: <ul style="list-style-type: none"> Autopilot DoneDescriptive DoneFeatureEngineering DoneModelMetrics DonePredictive Draft Failed Fetching GenerateSetup InProgress Postprocessing Preprocessing Queued QueuedForFetching QueuedForPostprocessing RequestToDelete Resizing RetryPreprocessing 	Small, 44.0	44.0

Property Name	Type	Description	Filter Group and Version	Available Version
		<ul style="list-style-type: none"> RunningDescriptive RunningFeature Engineering RunningModelMetrics RunningPredictive Success TimedOut 		
transformations	AbstractSmartData Discovery Transformation Input[]	<p>A list of field transformation. Valid values in the list are:</p> <ul style="list-style-type: none"> Smart Data Discovery Categorical Imputation Transformation Input Smart Data Discovery Extract Day Of Week Transformation Input Smart Data Discovery Extract Month Of Year Transformation Input Smart Data Discovery Free Text Clustering Transformation Input Smart Data Discovery Numerical Imputation Transformation Input Smart Data Discovery Projected Predictions Transformation Input Smart Data Discovery Sentiment Analysis Transformation Input 	Small, 55.0	55.0
url	String	The URL for the story version.	Small, 51.0	51.0
validation Configuration	AbstractSmartData DiscoveryValidation Configuration	<p>The validation configuration for the story. Valid values are:</p> <ul style="list-style-type: none"> Validation Dataset Validation Ratio 	Small, 57.0	57.0
validation Input	AbstractStorySource	<p>The analysis source for the validation dataset. Valid values are:</p> <ul style="list-style-type: none"> AnalyticsDatasetSource ReportSource 	Small, 53.0	53.0

Story

An Einstein Discovery story.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
autopilot	Autopilot	The autopilot settings for the story.	Small, 55.0	55.0
classificationThreshold	Abstract Classification Threshold	The threshold for classification predictions for the story. Valid values are: <ul style="list-style-type: none"> BinaryClassificationThreshold 	Small, 48.0	48.0
createdBy	SmartDataDiscovery User	The user who created the prediction definition.	Small, 48.0	48.0
createdDate	Date	The creation date of the prediction definition.	Small, 48.0	48.0
errorCode	Integer	The diagnostic error code for the story.	Small, 48.0	48.0
fields	AbstractField Configuration	A list of field configurations for the story. Valid values are: <ul style="list-style-type: none"> DateFieldConfiguration NumericFieldConfiguration TextFieldConfiguration 	Small, 54.0	54.0
folder	AssetReference	The analytics folder the story belongs to.	Small, 48.0	48.0
historiesUrl	String	The URL for the story's history items.	Small, 48.0	48.0
id	String	The ID of the story.	Small, 48.0	48.0
input	AbstractStorySource	The input data for the story. Valid values are: <ul style="list-style-type: none"> AnalyticsDatasetSource ReportSource 	Small, 48.0	48.0
inputProfile	AssetReference	The statistical summary of the input data.	Small, 48.0	48.0
label	String	The label of the story.	Small, 48.0	48.0
lastModifiedBy	SmartDataDiscovery User	The user who last modified the story.	Small, 48.0	48.0
lastModifiedDate	Date	The last modified date of the story.	Small, 48.0	48.0
lastSuccessfulVersion	StoryVersion Reference	The mapped outcome field for Salesforce.	Small, 51.0	51.0
message	String	The informational message related to the story generation.	Small, 48.0	48.0

Property Name	Type	Description	Filter Group and Version	Available Version
models Configuration	SmartDataDiscovery ModelConfiguration	The model configuration for the story.	Small, 54.0	54.0
name	String	The developer name of the story.	Small, 53.0	53.0
namespace	String	The qualified namespace of the story.	Small, 53.0	53.0
outcome	SmartDataDiscovery Outcome	The selected outcome of the generated story.	Small, 48.0	48.0
runId	ID	The run ID for fetching the story insights.	Small, 48.0	48.0
setup	Map<Object, Object>	A map of the setup information for the story, including names, action variables, model settings, variables, and outcomes.	Big, 46.0	46.0
status	AnalysisSetupStatus Enum	The current status of the story. Valid values are: <ul style="list-style-type: none"> • Autopilot • DoneDescriptive • DoneFeatureEngineering • DoneModelMetrics • DonePredictive • Draft • Failed • Fetching • GenerateSetup • InProgress • Postprocessing • Preprocessing • Queued • QueuedForFetching • QueuedForPostprocessing • RequestToDelete • Resizing • RetryPreprocessing • RunningDescriptive • RunningFeature Engineering • RunningModelMetrics • RunningPredictive • Success • TimedOut 	Small, 46.0	46.0

Property Name	Type	Description	Filter Group and Version	Available Version
transformations	AbstractSmartDataDiscoveryTransformationInput[]	A list of field transformation. Valid values in the list are: <ul style="list-style-type: none"> • Smart Data Discovery Categorical Imputation Transformation Input • Smart Data Discovery Extract Day Of Week Transformation Input • Smart Data Discovery Extract Month Of Year Transformation Input • Smart Data Discovery Free Text Clustering Transformation Input • Smart Data Discovery Numerical Imputation Transformation Input • Smart Data Discovery Projected Predictions Transformation Input • Smart Data Discovery Sentiment Analysis Transformation Input 	Small, 55.0	55.0
url	String	The URL for the story.	Small, 48.0	48.0
validationConfiguration	AbstractSmartDataDiscoveryValidationConfiguration	The validation configuration for the story. Valid values are: <ul style="list-style-type: none"> • Validation Dataset • Validation Ratio 	Small, 57.0	57.0

Story Year Field Value

The story data year property.

Properties

Inherits properties from [AbstractStoryDataProperty](#).

Property Name	Type	Description	Filter Group and Version	Available Version
fiscal	Boolean	Indicates whether the value is in a fiscal year (<code>true</code>) or not (<code>false</code>).	Small, 52.0	52.0
rawValue	String	The raw value of the field.	Small, 52.0	52.0
year	Integer	The year in numeric value.	Small, 52.0	52.0

Text Field Configuration

The text field configuration.

Properties

Inherits properties from [AbstractTextFieldConfiguration](#).

Text Field Value Configuration

The text field value configuration.

Properties

Property Name	Type	Description	Filter Group and Version	Available Version
ignored	Boolean	Indicates whether the field value is ignored (<code>true</code>) or not (<code>false</code>).	Small, 55.0	55.0
label	String	The label of the field value.	Small, 54.0	54.0
name	String	The name of the field value.	Small, 54.0	54.0

Validation Dataset

The output for a validation dataset configuration.

Properties

Inherits properties from [AbstractSmartDataDiscoveryValidationConfiguration](#).

Property Name	Type	Description	Filter Group and Version	Available Version
input	AbstractStorySource	The source of the validation dataset configuration. Valid values are: <ul style="list-style-type: none"> AnalyticsDatasetSource ReportSource 	Small, 57.0	57.0

Validation Ratio

The output for a validation ratio configuration.

Properties

Inherits properties from [AbstractSmartDataDiscoveryValidationConfiguration](#).

Property Name	Type	Description	Filter Group and Version	Available Version
validation Ratio	Integer	The value of the validation ratio.	Small, 57.0	57.0

EINSTEIN DISCOVERY REST API ENUMS

Enums specific to the /smartdatadiscovery namespace

Enums are not versioned. Enum Values are returned in all API versions. Clients should handle values they don't understand gracefully.

Enum	Description
AnalysisOutcomeTypeEnum	The analysis outcome type. Valid values are: <ul style="list-style-type: none">• Categorical• Count• Number• Text
AnalysisPredictionTypeEnum	The analysis prediction type. Valid values are: <ul style="list-style-type: none">• Binary• Count• MultiClass• None• Numeric
AnalysisSamplingStrategyEnum	The sampling strategy associated with the story version. Valid values are: <ul style="list-style-type: none">• Discovery• None• Random
AnalysisSetupScopeTypeEnum	The type of scope. Valid values are: <ul style="list-style-type: none">• CreatedByMe• SharedWithMe
AnalysisSetupSourceTypeEnum	The type of source. Valid values are: <ul style="list-style-type: none">• AnalyticsDataset• LiveDataset• Report
AnalysisSetupStatusEnum	The state of analysis performed by an Einstein Discovery service. Valid values are: <ul style="list-style-type: none">• Autopilot• DoneDescriptive• DoneFeatureEngineering• DoneModelMetrics• DonePredictive

Enum	Description
	<ul style="list-style-type: none"> • Draft • Failed • Fetching • GenerateSetup • InProgress • Postprocessing • Preprocessing • Queued • QueuedForFetching • QueuedForPostprocessing • RequestToDelete • Resizing • RetryPreprocessing • RunningDescriptive • RunningFeatureEngineering • RunningModelMetrics • RunningPredictive • Success • TimedOut
ClassificationTypeEnum	<p>The type of classification. Valid values are:</p> <ul style="list-style-type: none"> • Binary
ConnectEDInsightTypeEnum	<p>The insight type to return. Valid values are:</p> <ul style="list-style-type: none"> • Descriptive • Summary
ConnectEDNarrativeTypeEnum	<p>The narrative type to return. Valid values are:</p> <ul style="list-style-type: none"> • Positive • Negative
ConnectSmartDataDiscoveryFilterOperatorEnum	<p>The operator to apply to this filter. Valid values are:</p> <ul style="list-style-type: none"> • Between • Contains • EndsWith • Equal • GreaterThan • GreaterThanOrEqual • InSet

Enum	Description
	<ul style="list-style-type: none"> • LessThan • LessThanOrEqual • NotBetween • NotEqual • NotIn • StartsWith
ConnectSmartDataDiscoveryOutcomeGoalEnum	<p>The outcome goal to filter the collection by. Valid values are:</p> <ul style="list-style-type: none"> • Maximize • Minimize • None
InsightsComparisonEnum	<p>The insights score comparison criteria. Valid values are:</p> <ul style="list-style-type: none"> • Average • Other • UniformDistribution
InsightsConditionRestrictionEnum	<p>The insights condition restriction. Valid values are:</p> <ul style="list-style-type: none"> • Included • NotIncluded
InsightsOutcomeChangeEnum	<p>The change in outcome value. Valid values are:</p> <ul style="list-style-type: none"> • Decreased • Increased
InsightsResultCategoryEnum	<p>The insights result category. Valid values are:</p> <ul style="list-style-type: none"> • Negative • Positive
InsightsResultsTypeEnum	<p>The descriptive insights result type. Valid values are:</p> <ul style="list-style-type: none"> • FirstOrder • SecondOrder
InsightsTypeEnum	<p>The analysis type for query insights. Valid values are:</p> <ul style="list-style-type: none"> • Descriptive • Diagnostic
MetricSpanEnum	<p>The time span for the metrics. Valid values are:</p> <ul style="list-style-type: none"> • Day • Month • SinceLastAction

Enum	Description
	<ul style="list-style-type: none"> • Week
PredictHistoryIntervalEnum	<p>The interval for look back. Valid values are:</p> <ul style="list-style-type: none"> • None • Weekly
PredictionDefinitionCollection CollectionSortOrderTypeEnum	<p>The sort order type for the collection. Valid values are:</p> <ul style="list-style-type: none"> • LastUpdate • Name • OutcomeFieldLabel • PredictionType • SubscribedEntity
SmartDataDiscoveryAIModel CollectionSortOrderTypeEnum	<p>The sort order type for the collection. Valid values are:</p> <ul style="list-style-type: none"> • CreatedDate • Description • Name • PredictionFieldName • PredictionType • RuntimeType
SmartDataDiscoveryAIModelStatus Enum	<p>The model status. Valid values are:</p> <ul style="list-style-type: none"> • Disabled • Enabled • UploadCompleted • UploadFailed • Uploading • Validating • ValidationCompleted • ValidationFailed
SmartDataDiscoveryAIModel TransformationTypeEnum	<p>The transformation type. Valid values are:</p> <ul style="list-style-type: none"> • CategoricalImputation (Replace categorical missing values) • ExtractDayOfWeek (Extract day of week) • ExtractMonthOfYear (Extract month of year) • FreeTextClustering (Free text clustering) • NumericalImputation (Replace numerical missing values) • SentimentAnalysis (Detecting sentiment) • TimeSeriesForecast (Projected predictions) • TypographicClustering (Fuzzy matching)

Enum	Description
SmartDataDiscoveryBucketingStrategyEnum	The bucketing strategy. Valid values are: <ul style="list-style-type: none"> • EvenWidth • Manual • Percentage
SmartDataDiscoveryCategoricalImputationMethodEnum	The categorical imputation method. Valid values are: <ul style="list-style-type: none"> • Auto
SmartDataDiscoveryClassificationAlgorithmTypeEnum	The classification algorithm type. Valid values are: <ul style="list-style-type: none"> • Best (Model tournament) • Drf (Distributed Random Forest) • Gbm (GBM) • Glm (GLM) • Xgboost (XGBoost)
SmartDataDiscoveryDateIntervalEnum	The date interval for the field. Valid values are: <ul style="list-style-type: none"> • Auto • Day • Month • None • Quarter • Year
SmartDataDiscoveryFieldMapSourceTypeEnum	The source type for the field mapping. Valid values are: <ul style="list-style-type: none"> • AnalyticsDatasetField • SalesforceField
SmartDataDiscoveryFilterFieldTypeEnum	The filter field type. Valid values are: <ul style="list-style-type: none"> • Boolean • Date • DateTime • Number • Text
SmartDataDiscoveryFilterValueTypeEnum	The type of the filter value. Valid values are: <ul style="list-style-type: none"> • Constant • Placeholder
SmartDataDiscoveryImputeMethodEnum	The impute method. Valid values are: <ul style="list-style-type: none"> • Mean • Median

Enum	Description
	<ul style="list-style-type: none"> • Mode • None
SmartDataDiscoveryModelFieldTypeEnum	<p>The type of the model field. Valid values are:</p> <ul style="list-style-type: none"> • Date • Number • Text
SmartDataDiscoveryModelRuntimeTypeEnum	<p>The runtime type of the model. Valid values are:</p> <ul style="list-style-type: none"> • Discovery • H2O • Py36Tensorflow244 (TensorFlow) • Py37Scikitlearn102 (Scikit Learn v1.0.2) • Py37Tensorflow207 (TensorFlow v2.7.0)
SmartDataDiscoveryModelSourceTypeEnum	<p>The model source type. Valid values are:</p> <ul style="list-style-type: none"> • Discovery • UserUpload
SmartDataDiscoveryNumericalImputationMethodEnum	<p>The numerical imputation method. Valid values are:</p> <ul style="list-style-type: none"> • Mean • Median • Mode
SmartDataDiscoveryPeriodicDateIntervalEnum	<p>The periodic date interval. Valid values are:</p> <ul style="list-style-type: none"> • Day_of_week • Month_of_year • Quarter_of_year
SmartDataDiscoveryPredictAggregateFunctionEnum	<p>The predict aggregate function type. Valid values are:</p> <ul style="list-style-type: none"> • Average • Median • Sum
SmartDataDiscoveryPredictAggregateStatusEnum	<p>The predict aggregate status. Valid values are:</p> <ul style="list-style-type: none"> • Error • Success
SmartDataDiscoveryPredictJobStatusEnum	<p>The status of the predict job. Valid values are:</p> <ul style="list-style-type: none"> • Cancelled • Completed

Enum	Description
	<ul style="list-style-type: none"> Failed InProgress NotStarted Paused
SmartDataDiscoveryPredictStatusEnum	<p>The predict status. Valid values are:</p> <ul style="list-style-type: none"> Error Success
SmartDataDiscoveryPredictTypeEnum	<p>The predict type. Valid values are:</p> <ul style="list-style-type: none"> RawData (Represent rows within a two-dimensional array of row values) RecordOverrides (Represent records using Salesforce record Ids. Optionally override or append individual records with an array of row values) Records (Represent rows using Salesforce record Ids associated with the subscribedEntity of the prediction definition)
SmartDataDiscoveryPredictionTypeEnum	<p>The prediction type. Valid values are:</p> <ul style="list-style-type: none"> Classification MulticlassClassification Regression Unknown
SmartDataDiscoveryProjectedPredictionsIntervalSettingTypeEnum	<p>The projected predictions interval setting type. Valid values are:</p> <ul style="list-style-type: none"> Count CountFromDate Date
SmartDataDiscoveryProjectedPredictionsIntervalTypeEnum	<p>The projected predictions interval type. Valid values are:</p> <ul style="list-style-type: none"> Day Month Quarter Week
SmartDataDiscoveryProjectedPredictionsTypeEnum	<p>The projected predictions type. Valid values are:</p> <ul style="list-style-type: none"> Categorical Numerical
SmartDataDiscoveryPushbackTypeEnum	<p>The pushback type. Valid values are:</p> <ul style="list-style-type: none"> AiRecordInsight Direct

Enum	Description
SmartDataDiscoveryOrderingEnum	The strategy for ordering text values. Valid values are: <ul style="list-style-type: none"> • Alphabetical • Numeric • Occurrence
SmartDataDiscoveryRecipientTypeEnum	The type of the recipient. Valid values are: <ul style="list-style-type: none"> • Group • User
SmartDataDiscoveryRefreshJobStatusEnum	The status of the refresh job. Valid values are: <ul style="list-style-type: none"> • Cancelled • CompletedWithWarnings • Failure • NoRunnableTask • NotStarted • Running • ScoringJobFailed • Success • UserNotFound
SmartDataDiscoveryRefreshJobTypeEnum	The type of the refresh job. Valid values are: <ul style="list-style-type: none"> • Scheduled • UserTriggered
SmartDataDiscoveryRefreshTaskStatusEnum	The status of the refresh task. Valid values are: <ul style="list-style-type: none"> • AnalysisNotFound • Cancelled • DatasetJoinFieldsMissing • DatasetNotFound • DatasetNotUpdated • Failure • LimitsReached • ModelSchemaChanged • NotStarted • OutcomeValuesChanged • PoissonDistributionDisabled • Running • StoryCreationFailure • Success

Enum	Description
	<ul style="list-style-type: none"> UserNotFound WarningThresholdReached
SmartDataDiscoveryRegressionAlgorithmTypeEnum	<p>The regression algorithm type. Valid values are:</p> <ul style="list-style-type: none"> Drf (Distributed Random Forest) Gbm (GBM) Glm (GLM) Xgboost (XGBoost)
SmartDataDiscoverySortOrderEnum	<p>The sort order for the collection. Valid values are:</p> <ul style="list-style-type: none"> Ascending Descending
SmartDataDiscoveryTransformationFilterTypeEnum	<p>The transformation filter type for the model. Valid values are:</p> <ul style="list-style-type: none"> Number Text
SmartDataDiscoveryStatusEnum	<p>The status. Valid values are:</p> <ul style="list-style-type: none"> Disabled Enabled
StoryAnalysisTypeEnum	<p>The analysis type. Valid values are:</p> <ul style="list-style-type: none"> Count Descriptive
StoryChartValueTypeEnum	<p>The story chart value type. Valid values are:</p> <ul style="list-style-type: none"> Average Baseline Impact Prediction SmallTerms Unexplained Value
StoryCountInsightsFrequencyChangeEnum	<p>The story count insights frequency change. Valid values are:</p> <ul style="list-style-type: none"> Down Up
StoryCountInsightsFrequencyEnum	<p>The story count insights frequency. Valid values are:</p> <ul style="list-style-type: none"> LessOften MoreOften

Enum	Description
StoryDescriptiveInsightsImpactEnum	The descriptive insights impact for the story. Valid values are: <ul style="list-style-type: none"> Improved Worsened
StoryDescriptiveInsightsRatingEnum	The story descriptive insights rate. Valid values are: <ul style="list-style-type: none"> AboveAverage BelowAverage Higher Lower
StoryFieldDetailTypeEnum	The field type. Valid values are: <ul style="list-style-type: none"> Field Outcome
StoryNarrativeElementTypeEnum	The narrative element type. Valid values are: <ul style="list-style-type: none"> BadSelection Body BucketsMismatchSection GoodSection Heading MissingValuesSection NewValuesSection NumberedList OutcomeValue Paragraph SubHeading UnorderedList
ValidationConfigurationStrategyEnum	The validation strategy for the configuration. Valid values are: <ul style="list-style-type: none"> Validation_Dataset Validation_Set_Ratio