- **AutoMl**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  AutoMl)
  (interface)

- **PredictionService**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  PredictionService)
  (interface)

- **AnnotationPayload**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  AnnotationPayload)
  (message)

- **AnnotationSpec**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  AnnotationSpec)
  (message)

- **BatchPredictInputConfig**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  BatchPredictInputConfig)
  (message)

- **BatchPredictOperationMetadata**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  BatchPredictOperationMetadata)
  (message)

- **BatchPredictOperationMetadata.BatchPredictOutputInfo**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  BatchPredictOperationMetadata.BatchPredictOutputInfo)
  (message)

- **BatchPredictOutputConfig**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  BatchPredictOutputConfig)
  (message)

- **BatchPredictRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  BatchPredictRequest)
  (message)

- **BatchPredictResult**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  BatchPredictResult)
  (message)

- **BigQueryDestination**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  BigQueryDestination)
  (message)

- **ClassificationAnnotation**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ClassificationAnnotation)
  (message)

- **ClassificationEvaluationMetrics**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ClassificationEvaluationMetrics)
  (message)

- **ClassificationEvaluationMetrics.ConfidenceMetricsEntry**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ClassificationEvaluationMetrics.ConfidenceMetricsEntry)
  (message)

- **ClassificationEvaluationMetrics.ConfusionMatrix**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ClassificationEvaluationMetrics.ConfusionMatrix)
  (message)

- **ClassificationEvaluationMetrics.ConfusionMatrix.Row**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ClassificationEvaluationMetrics.ConfusionMatrix.Row)
  (message)

- **CreateDatasetRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  CreateDatasetRequest)
  (message)

- **CreateModelOperationMetadata**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  CreateModelOperationMetadata)
  (message)

- **CreateModelRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  CreateModelRequest)
  (message)

- **Dataset**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  Dataset)
  (message)

- **DeleteDatasetRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  DeleteDatasetRequest)
  (message)

- **DeleteModelRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  DeleteModelRequest)
  (message)

- **DeleteOperationMetadata**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  DeleteOperationMetadata)
  (message)

- **DeployModelOperationMetadata**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  DeployModelOperationMetadata)
  (message)

- **DeployModelRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  DeployModelRequest)
  (message)

- **ExamplePayload**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ExamplePayload)
  (message)

- **ExportDataOperationMetadata**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ExportDataOperationMetadata)
  (message)

- **ExportDataOperationMetadata.ExportDataOutputInfo**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ExportDataOperationMetadata.ExportDataOutputInfo)
  (message)

- **ExportDataRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ExportDataRequest)
  (message)

- **GcsDestination**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  GcsDestination)
  (message)

- **GcsSource**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  GcsSource)
  (message)

- **GetAnnotationSpecRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  GetAnnotationSpecRequest)
  (message)

- **GetDatasetRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  GetDatasetRequest)
  (message)

- **GetModelEvaluationRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  GetModelEvaluationRequest)
  (message)

- **GetModelRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  GetModelRequest)
  (message)

- **ImportDataOperationMetadata**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ImportDataOperationMetadata)
  (message)

- **ImportDataRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ImportDataRequest)
  (message)

- **InputConfig**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  InputConfig)
  (message)

- **ListDatasetsRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ListDatasetsRequest)
  (message)

- **ListDatasetsResponse**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ListDatasetsResponse)
  (message)

- **ListModelEvaluationsRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ListModelEvaluationsRequest)
  (message)

- **ListModelEvaluationsResponse**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ListModelEvaluationsResponse)
  (message)

- **ListModelsRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ListModelsRequest)
  (message)

- **ListModelsResponse**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ListModelsResponse)
  (message)

- **Model**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  Model)
  (message)

- **Model.DeploymentState**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  Model.DeploymentState)
  (enum)

- **ModelEvaluation**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  ModelEvaluation)
  (message)

- **OperationMetadata**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  OperationMetadata)
  (message)

- **OutputConfig**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  OutputConfig)
  (message)

- **PredictRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  PredictRequest)
  (message)

- **PredictResponse**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  PredictResponse)
  (message)

- **TimeSegment**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  TimeSegment)
  (message)

- **UndeployModelOperationMetadata**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  UndeployModelOperationMetadata)
  (message)

- **UndeployModelRequest**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  UndeployModelRequest)
  (message)

- **VideoClassificationAnnotation**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  VideoClassificationAnnotation)
  (message)

- **VideoClassificationDatasetMetadata**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  VideoClassificationDatasetMetadata)
  (message)

- **VideoClassificationModelMetadata**
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  VideoClassificationModelMetadata)
  (message)

AutoML Server API.

The resource names are assigned by the server. The server never reuses names that it has created after the resources with those names are deleted.

An ID of a resource is the last element of the item's resource name. For `projects/{project_id}/locations/{location_id}/datasets/{dataset_id}`, then the id for the item is `{dataset_id}`.

Currently the only supported `location_id` is "us-central1".

On any input that is documented to expect a string parameter in snake_case or kebab-case, either of those cases is accepted.

**CreateDataset**

## CreateDataset

```
rpc CreateDataset(CreateDatasetRequest
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Create
DatasetRequest)
) returns (Dataset
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Datas
et)
)
```

Creates a dataset.

## Authorization Scopes

Requires the following OAuth scope:

- **https://www.googleapis.com/auth/cloud-platform**

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

## CreateModel

## CreateModel

```
rpc CreateModel(CreateModelRequest
```
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Create
ModelRequest)
```
) returns (Operation
```
(/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation))

Creates a model. Returns a Model in the **response**
(/video-
intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation.FIELDS.google.
protobuf.Any.google.longrunning.Operation.response)
field when it completes. When you create a model, several model evaluations are created for it: a global
evaluation, and one evaluation for each annotation spec.

### Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

## DeleteDataset

**DeleteDataset**

`rpc DeleteDataset(`[`DeleteDatasetRequest`](/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.DeleteDatasetRequest)`) returns (`[`Operation`](/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation)`)`

Deletes a dataset and all of its contents. Returns empty response in the [response](/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation.FIELDS.google.protobuf.Any.google.longrunning.Operation.response) field when it completes, and `delete_details` in the [metadata](/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation.FIELDS.google.protobuf.Any.google.longrunning.Operation.metadata) field.

## Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the [Authentication Overview](https://cloud.google.com/docs/authentication/).

**DeleteModel**

### DeleteModel

```
rpc DeleteModel(DeleteModelRequest
```
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Delete
ModelRequest)
```
) returns (Operation
```
(/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation))

Deletes a model. Returns **google.protobuf.Empty** in the response
(/video-
intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation.FIELDS.google.
protobuf.Any.google.longrunning.Operation.response)
field when it completes, and **delete_details** in the metadata
(/video-
intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation.FIELDS.google.
protobuf.Any.google.longrunning.Operation.metadata)
field.

## Authorization Scopes

Requires the following OAuth scope:

- **https://www.googleapis.com/auth/cloud-platform**

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

### DeployModel

## DeployModel

```
rpc DeployModel(DeployModelRequest
```
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Deploy
ModelRequest)
```
) returns (Operation
```
(/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation))

Deploys a model. Not applicable for this product. This product automatically deploys models when they are successfully trained.

Returns an empty response in the **response**
(/video-
intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation.FIELDS.google.
protobuf.Any.google.longrunning.Operation.response)
field when it completes.

### Authorization Scopes

Requires the following OAuth scope:

- **https://www.googleapis.com/auth/cloud-platform**

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

## ExportData

## ExportData

```
rpc ExportData(ExportDataRequest
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Export
DataRequest)
) returns (Operation
 (/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation))
```

Exports dataset's data to the provided output location. Returns an empty response in the **response**
 (/video-
intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation.FIELDS.google.
protobuf.Any.google.longrunning.Operation.response)
field when it completes.

### Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

## GetAnnotationSpec

### GetAnnotationSpec

```
rpc GetAnnotationSpec(GetAnnotationSpecRequest
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.GetAn
notationSpecRequest)
) returns (AnnotationSpec
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Annot
ationSpec)
)
```

Gets an annotation spec.

## Authorization Scopes

Requires the following OAuth scope:

- **https://www.googleapis.com/auth/cloud-platform**

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

### GetDataset

**GetDataset**

```
rpc GetDataset(GetDatasetRequest
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.GetDa
tasetRequest)
) returns (Dataset
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Datas
et)
)
```

Gets a dataset.

## Authorization Scopes

Requires the following OAuth scope:

- **https://www.googleapis.com/auth/cloud-platform**

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

**GetModel**

**GetModel**

```
rpc GetModel(GetModelRequest
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.GetMo
delRequest)
) returns (Model
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Model
)
)
```

Gets a model.

## Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

**GetModelEvaluation**

### GetModelEvaluation

```
rpc GetModelEvaluation(GetModelEvaluationRequest
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.GetMo
delEvaluationRequest)
) returns (ModelEvaluation
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Model
Evaluation)
)
```

Gets a model evaluation.

## Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

### ImportData

**ImportData**

```
rpc ImportData(ImportDataRequest
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Import
DataRequest)
) returns (Operation
(/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation))
```

Imports data into a dataset.

You can only call this method for an empty Dataset.

For more information, see Importing items into a dataset
(https://cloud.google.com/video-intelligence/automl/docs/datasets#import-data)

## Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

**ListDatasets**

### ListDatasets

```
rpc ListDatasets(ListDatasetsRequest
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ListDa
tasetsRequest)
) returns (ListDatasetsResponse
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ListDa
tasetsResponse)
)
```

Lists datasets in a project.

## Authorization Scopes

Requires the following OAuth scope:

- **https://www.googleapis.com/auth/cloud-platform**

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

### ListModelEvaluations

## ListModelEvaluations

```
rpc ListModelEvaluations(ListModelEvaluationsRequest
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ListM
odelEvaluationsRequest)
) returns (ListModelEvaluationsResponse
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ListM
odelEvaluationsResponse)
)
```

Lists model evaluations.

## Authorization Scopes

Requires the following OAuth scope:

- **https://www.googleapis.com/auth/cloud-platform**

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

## ListModels

**ListModels**

```
rpc ListModels(ListModelsRequest
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ListM
odelsRequest)
) returns (ListModelsResponse
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ListM
odelsResponse)
)
```

Lists models.

## Authorization Scopes

Requires the following OAuth scope:

- **https://www.googleapis.com/auth/cloud-platform**

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

**UndeployModel**

**UndeployModel**

`rpc UndeployModel(`<u>`UndeployModelRequest`</u>
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Undep
loyModelRequest)
`) returns (`<u>`Operation`</u>
(/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation)`)`

Removes a deployed model. Not applicable for this product. This product automatically removes deployed models that are deleted.

Returns an empty response in the <u>**response**</u>
(/video-
intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation.FIELDS.google.
protobuf.Any.google.longrunning.Operation.response)
field when it completes.

### Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the <u>Authentication Overview</u> (https://cloud.google.com/docs/authentication/).

AutoML Prediction API.

On any input that is documented to expect a string parameter in snake_case or kebab-case, either of those cases is accepted.

**BatchPredict**

## BatchPredict

```
rpc BatchPredict(BatchPredictRequest
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Batch
PredictRequest)
) returns (Operation
 (/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation))
```

Perform a batch prediction and return the id of a long-running operation. You can request the operation result by using the **GetOperation** (/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operations.GetOperation) method. When the operation has completed, you can call **GetOperation** (/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operations.GetOperation) to retrieve a **BatchPredictResult** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.BatchPredictResult) from the **response** (/video-intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation.FIELDS.google.protobuf.Any.google.longrunning.Operation.response) field.

## Authorization Scopes

Requires the following OAuth scope:

- `https://www.googleapis.com/auth/cloud-platform`

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

## Predict

**Predict**

```
rpc Predict(PredictRequest
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Predic
tRequest)
) returns (PredictResponse
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Predic
tResponse)
)
```

Not available for AutoML Video Intelligence.

## Authorization Scopes

Requires the following OAuth scope:

- **https://www.googleapis.com/auth/cloud-platform**

For more information, see the Authentication Overview (https://cloud.google.com/docs/authentication/).

Contains annotation information that is relevant to AutoML.

**Fields**

| annotation_spec_id | string |
| --- | --- |
| | Output only . The resource ID of the annotation spec that this annotation pertains to. The annotation spec comes from either an ancestor dataset, or the dataset that was used to train the model in use. |

| Fields | |
|---|---|
| display_name | string<br><br>Output only. The value of **display_name** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Model.FIELDS.string.google.cloud.automl.v1beta1.Model.display_name)<br>when the model was trained. Because this field returns a value at model training time, for different models trained using the same dataset, the returned value could be different as model owner could update the **display_name** between any two model training. |

Union field **detail**. Output only . Additional information about the annotation specific to the AutoML domain. **detail** can be only one of the following:

| classification | **ClassificationAnnotation** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ClassificationAnnotation)<br><br>Annotation details for classification predictions. |
|---|---|
| video_classification | **VideoClassificationAnnotation** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.VideoClassificationAnnotation)<br><br>Annotation details for video classification. Returned for Video Classification predictions. |

A definition of an annotation.

| Fields | |
|---|---|
| | |

**Fields**

| name | string |
| --- | --- |
| | Output only. Resource name of the annotation spec. Form: |
| | 'projects/{project_id}/locations/{location_id}/datasets/{dataset_id}/annot |
| display_name | string |
| | Required. The name of the annotation spec to show in the interface. The na |
| | long and can consist only of ASCII Latin letters A-Z and a-z, underscores (_) |
| example_count | int32 |
| | Output only. The number of examples in the parent dataset labeled by the a |

Input configuration for **BatchPredict**
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Predic
tionService.BatchPredict)
action. The input is one or more CSV files stored in Google Cloud Storage where the CSV files
are in the following format:

- `GCS_FILE_PATH` identifies the Google Cloud Storage path to a video up to 50GB in size and
  up to 3h duration. Supported extensions: .MOV, .MPEG4, .MP4, .AVI.

- `TIME_SEGMENT_START` and `TIME_SEGMENT_END` must be within the length of the video, and
  end has to be after the start.

Three sample rows:

See Annotating videos (https://cloud.google.com/video-intelligence/automl/docs/predict) for more information.

**Fields**

| | |
|---|---|
| gcs_source | **GcsSource** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.GcsSource)<br><br>The Google Cloud Storage location for the input content. |

Details of BatchPredict operation.

**Fields**

| | |
|---|---|
| input_config | **BatchPredictInputConfig** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.BatchPredictInputConfig)<br><br>Output only. The input config that was given upon starting this batch predict operation. |
| output_info | **BatchPredictOutputInfo** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.BatchPredictOperationMetadata.BatchPredictOutputInfo)<br><br>Output only. Information further describing this batch predict's output. |

Further describes this batch predict's output. Supplements

**BatchPredictOutputConfig**
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Batch
PredictOutputConfig)

.

**Fields**

Union field **output_location**. The output location into which prediction output is written.
**output_location** can be only one of the following:

| | |
|---|---|
| **gcs_output_directory** | **string**<br><br>The full path of the Google Cloud Storage directory created, into which the prediction output is written. |
| **bigquery_output_dataset** | **string**<br><br>The path of the BigQuery dataset created, in bq://projectId.bqDatasetId (bq://projectId.bqDatasetId) format, into which the prediction output is written. |

Output configuration for **BatchPredict**
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Predic
tionService.BatchPredict)
Action.

AutoML Video Intelligence creates a directory specified in the **gcsDestination**
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Batch
PredictOutputConfig.FIELDS.google.cloud.automl.v1beta1.GcsDestination.google.cloud.automl.v1beta1.Ba
tchPredictOutputConfig.gcs_destination)
. The name of the directory is "prediction-<model-display-name>-<timestamp-of-prediction-
call>", where timestamp is in `YYYY-MM-DDThh:mm:ss.sssZ` ISO-8601 format.

AutoML Video Intelligence creates a file named video_classification.csv in the new directory, and also a JSON file for each video classification requested. That is, each row in the input CSV file.

The format of the video_classification.csv file is as follows:

- The `GCS_FILE_PATH`, `TIME_SEGMENT_START`, `TIME_SEGMENT_END` match the same fields from the input CSV file.

- `JSON_FILE_NAME` is the name of the JSON file in the output directory that contains prediction responses for the video time segment.

- `STATUS` contains "OK" if the prediction completed successfully; otherwise contains error information. If `STATUS` is not "OK" then the JSON file for that prediction might be empty or the file might not exist.

Each JSON file where `STATUS` is "OK", contains a list of AnnotationPayload protos in JSON format, which are the predictions for the video time segment the file is assigned to in the video_classification.csv. All AnnotationPayload protos have a `video_classification` field, and are sorted by the `video_classification.type` field. The types returned are determined by the `classifaction_types` parameter of **BatchPredictRequest.params** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.BatchPredictRequest.FIELDS.repeated.google.cloud.automl.v1beta1.BatchPredictRequest.ParamsEntry.google.cloud.automl.v1beta1.BatchPredictRequest.params)

.

**Fields**

Union field **destination**. Required. The destination of the output. **destination** can be only one of the following:

## Fields

| | |
|---|---|
| gcs_destination | **GcsDestination** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.GcsDestination) The Google Cloud Storage location of the directory where the output is to be written to. |
| bigquery_destination | **BigQueryDestination** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.BigQueryDestination) The BigQuery location where the output is to be written to. |

Request message for **PredictionService.BatchPredict** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.PredictionService.BatchPredict)

.

## Fields

| | |
|---|---|
| name | **string** Name of the model requested to serve the batch prediction. Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **name**: <br> • `automl.models.predict` |

| Fields | |
|---|---|
| input_config | **BatchPredictInputConfig** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.BatchPredictInputConfig)<br><br>Required. The input configuration for batch prediction. |
| output_config | **BatchPredictOutputConfig** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.BatchPredictOutputConfig)<br><br>Required. The Configuration specifying where output predictions should be written. |

| Fields | |
|--------|--|
| params | **map<string, string>**<br><br>Can be one of the following:<br><br>**score_threshold** (float) A value from 0.0 to 1.0. When the model makes predictions for a video, it will only produce results that have at least this confidence score. The default is 0.<br><br>**segment_classification** (boolean) Set to true to request segment-level classification. AutoML Video Intelligence returns labels and their confidence scores for the entire segment of the video that user specified in the request configuration. The default is "true".<br><br>**shot_classification** (boolean) Set to true to request shot-level classification. AutoML Video Intelligence determines the boundaries for each camera shot in the entire segment of the video that user specified in the request configuration. AutoML Video Intelligence then returns labels and their confidence scores for each detected shot, along with the start and end time of the shot. WARNING: Model evaluation is not done for this classification type, the quality of it depends on training data, but there are no metrics provided to describe that quality. The default is "false".<br><br>**1s_interval_classification** (boolean) Set to true to request classification for a video at one-second intervals. AutoML Video Intelligence returns labels and their confidence scores for each second of the entire segment of the video that user specified in the request configuration. WARNING: Model evaluation is not done for this classification type, the quality of it depends on training data, but there are no metrics provided to describe that quality. The default is "false".<br><br>See Annotating videos (https://cloud.google.com/video-intelligence/automl/docs/predict) for more details. |

Result of the Batch Predict. This message is returned in **response**
(/video-
intelligence/automl/docs/reference/rpc/google.longrunning#google.longrunning.Operation.FIELDS.google.
protobuf.Any.google.longrunning.Operation.response)
of the operation returned by the **PredictionService.BatchPredict**
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Predic
tionService.BatchPredict)
.

**Fields**

| | |
|---|---|
| metadata | map<string, string> <br><br> Additional domain-specific prediction response metadata. |

The BigQuery location for the output content.

**Fields**

| | |
|---|---|
| output_uri | string <br><br> Required. BigQuery URI to a project, up to 2000 characters long. For example: bq://projectId |

Contains annotation details specific to classification.

**Fields**

**Fields**

| score | **float** |
|---|---|
| | Output only. A confidence estimate between 0.0 and 1.0. A higher value means greater confidence that the annotation is positive. If a user approves an annotation as negative or positive, the score value remains unchanged. If a user creates an annotation, the score is 0 for negative or 1 for positive. |

Model evaluation metrics for classification problems. These metrics only describe the quality of predictions where the type is set to `segment_classification`. For information on the prediction type, see **BatchPredictRequest.params** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.BatchPredictRequest.FIELDS.repeated.google.cloud.automl.v1beta1.BatchPredictRequest.ParamsEntry.google.cloud.automl.v1beta1.BatchPredictRequest.params)

.

**Fields**

| au_prc | **float** |
|---|---|
| | Output only. The Area Under Precision-Recall Curve metric. Micro-averaged for the overall evaluation. |
| base_au_prc (deprecated) | **float** |
| | ⚠ This item is deprecated! |
| | Output only. The Area Under Precision-Recall Curve metric based on priors. Micro-averaged for the overall evaluation. Deprecated. |
| au_roc | **float** |
| | Output only. The Area Under Receiver Operating Characteristic curve metric. Micro-averaged for the overall evaluation. |

**Fields**

| | |
|---|---|
| `log_loss` | **float** <br><br> Output only. The Log Loss metric. |
| `confidence_metrics_entry[]` | <u>ConfidenceMetricsEntry</u> (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ClassificationEvaluationMetrics.ConfidenceMetricsEntry) <br><br> Output only. Metrics for each confidence_threshold in 0.00,0.05,0.10,...,0.95,0.96,0.97,0.98,0.99 and position_threshold = INT32_MAX_VALUE. ROC and precision-recall curves, and other aggregated metrics are derived from them. The confidence metrics entries may also be supplied for additional values of position_threshold, but from these no aggregated metrics are computed. |
| `confusion_matrix` | <u>ConfusionMatrix</u> (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ClassificationEvaluationMetrics.ConfusionMatrix) <br><br> Output only. Confusion matrix of the evaluation. Only set for MULTICLASS classification problems where number of labels is no more than 10. Only set for model level evaluation, not for evaluation per label. |
| `annotation_spec_id[]` | **string** <br><br> Output only. The annotation spec ids used for this evaluation. |

Metrics for a single confidence threshold.

**Fields**

| Fields | |
|---|---|
| confidence_threshold | float<br><br>Output only. Metrics are computed with an assumption that the model never returns predictions with score lower than this value. |
| position_threshold | int32<br><br>Output only. Metrics are computed with an assumption that the model always returns at most this many predictions (ordered by their score, descendingly), but they all still need to meet the confidence_threshold. |
| recall | float<br><br>Output only. Recall (True Positive Rate) for the given confidence threshold. |
| precision | float<br><br>Output only. Precision for the given confidence threshold. |
| false_positive_rate | float<br><br>Output only. False Positive Rate for the given confidence threshold. |
| f1_score | float<br><br>Output only. The harmonic mean of recall and precision. |
| recall_at1 | float<br><br>Output only. The Recall (True Positive Rate) when only considering the label that has the highest prediction score and not below the confidence threshold for each example. |
| precision_at1 | float<br><br>Output only. The precision when only considering the label that has the highest prediction score and not below the confidence threshold for each example. |
| false_positive_rate_at1 | float<br><br>Output only. The False Positive Rate when only considering the label that has the highest prediction score and not below the confidence threshold for each example. |

| Fields | |
| --- | --- |
| f1_score_at1 | float<br><br>Output only. The harmonic mean of __recall_at1__ (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ClassificationEvaluationMetrics.ConfidenceMetricsEntry.FIELDS.float.google.cloud.automl.v1beta1.ClassificationEvaluationMetrics.ConfidenceMetricsEntry.recall_at1)<br>and __precision_at1__ (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ClassificationEvaluationMetrics.ConfidenceMetricsEntry.FIELDS.float.google.cloud.automl.v1beta1.ClassificationEvaluationMetrics.ConfidenceMetricsEntry.precision_at1)<br>. |
| true_positive_count | int64<br><br>Output only. The number of model created labels that match a ground truth label. |
| false_positive_count | int64<br><br>Output only. The number of model created labels that do not match a ground truth label. |
| false_negative_count | int64<br><br>Output only. The number of ground truth labels that are not matched by a model created label. |
| true_negative_count | int64<br><br>Output only. The number of labels that were not created by the model, but if they would, they would not match a ground truth label. |

Confusion matrix of the model running the classification.

**Fields**

| | |
|---|---|
| annotation_spec_id[] | string<br><br>Output only. IDs of the annotation specs used in the confusion matrix. |
| row[] | Row<br>(/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ClassificationEvaluationMetrics.ConfusionMatrix.Row)<br><br>Output only. Rows in the confusion matrix. The number of rows is equal to the size of annotation_spec_id. row[i].value[j] is the number of examples that have ground truth of the annotation_spec_id[i] and are predicted as annotation_spec_id[j] by the model being evaluated. |

Output only. A row in the confusion matrix.

**Fields**

| | |
|---|---|
| example_count[] | int32<br><br>Output only. Value of the specific cell in the confusion matrix. The number of values each row has (i.e. the length of the row) is equal to the length of the annotation_spec_id field or, if that one is not populated, length of the display_name field. |

Request message for **AutoMl.CreateDataset**
(/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.CreateDataset)
.

**Fields**

| parent | string |
|---|---|
| | The resource name of the project to create the dataset for. |
| | Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **parent**: |
| | • `automl.datasets.create` |
| dataset | Dataset (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Dataset) |
| | The dataset to create. |

Details of CreateModel operation.

Request message for `AutoMl.CreateModel` (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.CreateModel)

.

**Fields**

## Fields

| | |
|---|---|
| parent | **string**<br><br>Resource name of the parent project where the model is being created.<br><br>Authorization requires the following <u>Google IAM</u> (https://cloud.google.com/iam) permission on the specified resource `parent`:<br><br>• `automl.models.create` |
| model | <u>Model</u> (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Model)<br><br>The model to create. |

A workspace for solving a single, particular machine learning (ML) problem. A workspace contains examples that may be annotated.

## Fields

| | |
|---|---|
| name | **string**<br><br>Output only. The resource name of the dataset. Form: `projects/{project_id}/locations/{location_id}/datasets/{dataset_id}` |
| display_name | **string**<br><br>Required. The name of the dataset to show in the interface. The name can be up to 32 characters long and can consist only of ASCII Latin letters A-Z and a-z, underscores (_), and ASCII digits 0-9. |
| example_count | **int32**<br><br>Output only. The number of examples in the dataset. |

**Fields**

| | |
|---|---|
| create_time | **Timestamp** (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp) <br><br> Output only. Timestamp when this dataset was created. |
| video_classification_dataset_metadata | **VideoClassificationDatasetMetadata** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.VideoClassificationDatasetMetadata) <br><br> Metadata for a dataset used for video classification. |

Request message for **AutoMl.DeleteDataset**
 (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.DeleteDataset)
.

**Fields**

| | |
|---|---|
| name | string <br><br> The resource name of the dataset to delete. <br><br> Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **name**: <br><br> • automl.datasets.delete |

Request message for **AutoMl.DeleteModel**
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoM
l.DeleteModel)
.

**Fields**

| name | string |
|------|--------|
|  | Resource name of the model being deleted. |
|  | Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **name**: |
|  | • `automl.models.delete` |

Details of operations that perform deletes of any entities.

Details of DeployModel operation.

Request message for **AutoMl.DeployModel**
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoM
l.DeployModel)
.

**Fields**

**Fields**

| name | **string** |
| --- | --- |
| | Resource name of the model to deploy. |
| | Authorization requires the following <u>Google IAM</u> (https://cloud.google.com/iam) permission on the specified resource **name**: |
| | • `automl.models.deploy` |

Example data used for training or prediction.

Details of ExportData operation.

**Fields**

| output_info | <u>ExportDataOutputInfo</u> (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ExportDataOperationMetadata.ExportDataOutputInfo) |
| --- | --- |
| | Output only. Information further describing this export data's output. |

Further describes this export data's output. Supplements **OutputConfig**
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Outpu
tConfig)
.

**Fields**

Union field **output_location**. The output location to which the exported data is written. **output_location**
can be only one of the following:

| | |
|---|---|
| **gcs_output_directory** | **string**<br><br>The full path of the Google Cloud Storage directory created, into which the exported data is written. |
| **bigquery_output_dataset** | **string**<br><br>The path of the BigQuery dataset created, in bq://projectId.bqDatasetId (bq://projectId.bqDatasetId) format, into which the exported data is written. |

Request message for **AutoMl.ExportData**
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoM
l.ExportData)
.

**Fields**

| Fields | |
|---|---|
| name | **string**<br><br>Required. The resource name of the dataset.<br><br>Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **name**:<br><br>• `automl.datasets.export` |
| output_config | **OutputConfig** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.OutputConfig)<br><br>Required. The desired output location. |

The Google Cloud Storage location where the output is to be written to.

| Fields | |
|---|---|
| output_uri_prefix | **string**<br><br>Required. Google Cloud Storage URI to output directory, up to 2000 characters long. Accepted forms: * Prefix path: gs://bucket/directory (gs://bucket/directory) The requesting user must have write permission to the bucket. The directory is created if it doesn't exist. |

The Google Cloud Storage location for the input content.

| Fields | |
|---|---|

**Fields**

| | |
|---|---|
| `input_uris[]` | `string`<br><br>Required. Google Cloud Storage URIs to input files, up to 2000 characters long. Accepted forms: * Full object path, e.g. <u>gs://bucket/directory/object.csv</u> (gs://bucket/directory/object.csv) |

## Request message for <u>AutoMl.GetAnnotationSpec</u>
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoM
l.GetAnnotationSpec)
.

**Fields**

| | |
|---|---|
| `name` | `string`<br><br>The resource name of the annotation spec to retrieve.<br><br>Authorization requires the following <u>Google IAM</u> (https://cloud.google.com/iam) permission on the specified resource **name**:<br><br>&bull; `automl.annotationSpecs.get` |

## Request message for <u>AutoMl.GetDataset</u>
 (/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoM
l.GetDataset)
.

**Fields**

| name | **string**<br><br>The resource name of the dataset to retrieve.<br><br>Authorization requires the following <u>Google IAM</u> (https://cloud.google.com/iam) permission on the specified resource **name**:<br><br>   • `automl.datasets.get` |
| --- | --- |

Request message for **`AutoMl.GetModelEvaluation`** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.GetModelEvaluation) .

**Fields**

| name | **string**<br><br>Resource name for the model evaluation.<br><br>Authorization requires the following <u>Google IAM</u> (https://cloud.google.com/iam) permission on the specified resource **name**:<br><br>   • `automl.modelEvaluations.get` |
| --- | --- |

Request message for **`AutoMl.GetModel`**
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoM
l.GetModel)
.

**Fields**

| name | `string` |
| --- | --- |
|  | Resource name of the model. |
|  | Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **name**: |
|  | • `automl.models.get` |

Details of ImportData operation.

Request message for **`AutoMl.ImportData`**
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoM
l.ImportData)
.

**Fields**

**Fields**

| name | string |
| --- | --- |
| | Required. Dataset name. Dataset must already exist. All imported annotations and examples will be added. |
| | Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **name**: |
| | • `automl.datasets.import` |
| input_config | InputConfig (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.InputConfig) |
| | Required. The desired input location and its domain specific semantics, if any. |

Input configuration for ImportData
 (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.ImportData)
action.

The format of input depends on dataset_metadata the Dataset into which the import is happening has. As input source the `gcs_source`
 (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.InputConfig.FIELDS.google.cloud.automl.v1beta1.GcsSource.google.cloud.automl.v1beta1.InputConfig.gcs_source)
is expected, unless specified otherwise. If a file with identical content (even if it had different
`GCS_FILE_PATH`) is mentioned multiple times , then its label, bounding boxes etc. are appended.
The same file should be always provided with the same `ML_USE` and `GCS_FILE_PATH`, if it is not
then these values are nondeterministically selected from the given ones.

The formats are represented in EBNF with commas being literal and with non-terminal symbols defined near the end of this comment. The formats are:

See Preparing your training data (https://cloud.google.com/video-intelligence/automl/docs/prepare) for more information.

A CSV file(s) with each line in format:

- `ML_USE` - Identifies the data set that the current row (file) applies to. This value can be one of the following:

    - `TRAIN` - Rows in this file are used to train the model.

    - `TEST` - Rows in this file are used to test the model during training.

    - `UNASSIGNED` - Rows in this file are not categorized. They are Automatically divided into train and test data. 80% for training and 20% for testing.

- `GCS_FILE_PATH` - Identifies a file stored in Google Cloud Storage that contains the model training information.

After the training data set has been determined from the `TRAIN` and `UNASSIGNED` CSV files, the training data is divided into train and validation data sets. 70% for training and 30% for validation.

Each CSV file specified using the `GCS_FILE_PATH` field has the following format:

- `GCS_FILE_PATH` - The path to a video stored in Google Cloud Storage. The video can be up to 1h duration. Supported extensions: .MOV, .MPEG4, .MP4, .AVI.

- `LABEL` - A label that identifies the object of the video segment.

- `TIME_SEGMENT_START` and `TIME_SEGMENT_END` - The start and end timestamps in seconds for the segment of video to be annotated. The values must be within the length of the video, and `TIME_SEGMENT_END` must be after the `TIME_SEGMENT_START`.

You can specify videos in the CSV file without any labels. You must then use the AutoML Video Intelligence UI to apply labels to the video before you train your model. To specify a video segment in this way, provide the Google Cloud Storage URI for the video followed by three commas.

Sample file:

Here is an example of the format of one of the CSV files identified by the `gcsSource` "top level" file.

Errors:

If any of the provided CSV files can't be parsed or if more than certain percent of CSV rows cannot be processed then the operation fails and nothing is imported. Regardless of overall success or failure the per-row failures, up to a certain count cap, will be listed in Operation.metadata.partial_failures.

**Fields**

| | |
|---|---|
| gcs_source | **GcsSource** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.GcsSource)<br><br>The Google Cloud Storage location for the input content. |

Request message for **AutoMl.ListDatasets**
(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.ListDatasets)
.

**Fields**

| | |
|---|---|
| `parent` | `string`<br><br>The resource name of the project from which to list datasets.<br><br>Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource `parent`:<br><br>• `automl.datasets.list` |
| `filter` | `string`<br><br>An expression for filtering the results of the request.<br><br>• `dataset_metadata`: test for existence of metadata.<br><br>• `display_name`: =, !=, and `regex()`. Uses re2 (https://github.com/google/re2/wiki/Syntax) syntax.<br><br>An example of using the filter is:<br><br>• `video_classification_dataset_metadata:*` --> The dataset has video_classification_dataset_metadata.<br><br>• `regex(display_name, "^A")` -> The dataset's display name starts with "A" |
| `page_size` | `int32`<br><br>Requested page size. Server may return fewer results than requested. If unspecified, server will pick a default size. |

| Fields | |
|---|---|
| page_token | string<br><br>A token identifying a page of results for the server to return Typically obtained via **ListDatasetsResponse.next_page_token** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ListDatasetsResponse.FIELDS.string.google.cloud.automl.v1beta1.ListDatasetsResponse.next_page_token) of the previous **AutoMl.ListDatasets** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.ListDatasets) call. |

Response message for **AutoMl.ListDatasets** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.ListDatasets)

.

| Fields | |
|---|---|
| datasets[] | **Dataset** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Dataset)<br><br>The datasets read. |

**Fields**

| | |
|---|---|
| next_page_token | string<br><br>A token to retrieve next page of results. Pass to **ListDatasetsRequest.page_token** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ListDatasetsRequest.FIELDS.string.google.cloud.automl.v1beta1.ListDatasetsRequest.page_token) to obtain that page. |

Request message for **AutoMl.ListModelEvaluations** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.ListModelEvaluations)
.

**Fields**

| | |
|---|---|
| parent | string<br><br>Resource name of the model to list the model evaluations for. If modelId is set as "-", this will list model evaluations from across all models of the parent location.<br><br>Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **parent**:<br><br>• automl.modelEvaluations.list |

| Fields | |
| --- | --- |
| filter | **string**<br><br>An expression for filtering the results of the request.<br><br>• **annotation_spec_id** - for =, != or existence. See example below for the last.<br><br>Some examples of using the filter are:<br><br>• **annotation_spec_id!=4** --> The model evaluation was done for annotation spec with ID different than 4.<br><br>• **NOT annotation_spec_id:*** --> The model evaluation was done for aggregate of all annotation specs. |
| page_size | **int32**<br><br>Requested page size. |
| page_token | **string**<br><br>A token identifying a page of results for the server to return. Typically obtained via **ListModelEvaluationsResponse.next_page_token** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ListModelEvaluationsResponse.FIELDS.string.google.cloud.automl.v1beta1.ListModelEvaluationsResponse.next_page_token)<br>of the previous **AutoMl.ListModelEvaluations** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.ListModelEvaluations)<br>call. |

Response message for **AutoMl.ListModelEvaluations**
 (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.ListModelEvaluations)

.

**Fields**

| | |
|---|---|
| `model_evaluation[]` | [**ModelEvaluation**](/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ModelEvaluation)<br><br>List of model evaluations in the requested page. |
| `next_page_token` | `string`<br><br>A token to retrieve next page of results. Pass to the [**ListModelEvaluationsRequest.page_token**](/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ListModelEvaluationsRequest.FIELDS.string.google.cloud.automl.v1beta1.ListModelEvaluationsRequest.page_token) field of a new [**AutoMl.ListModelEvaluations**](/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.ListModelEvaluations) request to obtain that page. |

Request message for [**AutoMl.ListModels**](/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.ListModels)

.

**Fields**

| Fields | |
|---|---|
| **parent** | **string**<br><br>Resource name of the project, from which to list the models.<br><br>Authorization requires the following <u>Google IAM</u> (https://cloud.google.com/iam) permission on the specified resource **parent**:<br><br>• **automl.models.list** |
| **filter** | **string**<br><br>An expression for filtering the results of the request.<br><br>• **model_metadata**: test for existence of metadata.<br><br>• **dataset_id**: = or != a dataset ID.<br><br>• **display_name**: =, !=, and **regex()**. Uses <u>re2</u> (https://github.com/google/re2/wiki/Syntax) syntax.<br><br>Some examples of using the filter are:<br><br>• **video_classification_model_metadata:\*** --> The model has video_classification_model_metadata.<br><br>• **dataset_id=5** --> The model was created from a dataset with an ID of 5.<br><br>• **regex(display_name, "^A")** -> The models's display name starts with "A". |
| **page_size** | **int32**<br><br>Requested page size. |

**Fields**

| | |
|---|---|
| page_token | string |
| | A token identifying a page of results for the server to return Typically obtained via **ListModelsResponse.next_page_token** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ListModelsResponse.FIELDS.string.google.cloud.automl.v1beta1.ListModelsResponse.next_page_token) of the previous **AutoMl.ListModels** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.ListModels) call. |

Response message for **AutoMl.ListModels**
 (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.ListModels)
.

**Fields**

| | |
|---|---|
| model[] | **Model** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Model) |
| | List of models in the requested page. |

**Fields**

| | |
|---|---|
| `next_page_token` | **string**<br><br>A token to retrieve next page of results. Pass to <u>**ListModelsRequest.page_token**</u> (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ListModelsRequest.FIELDS.string.google.cloud.automl.v1beta1.ListModelsRequest.page_token) to obtain that page. |

API proto representing a trained machine learning model.

**Fields**

| | |
|---|---|
| `name` | **string**<br><br>Output only. Resource name of the model. Format: `projects/{project_id}/locations/{location_id}/models/{model_id}` |
| `display_name` | **string**<br><br>Required. The name of the model to show in the interface. The name can be up to 32 characters long and can consist only of ASCII Latin letters A-Z and a-z, underscores (_), and ASCII digits 0-9. It must start with a letter. |
| `dataset_id` | **string**<br><br>Required. The resource ID of the dataset used to create the model. The dataset must come from the same ancestor project and location. |
| `create_time` | <u>**Timestamp**</u> (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp)<br><br>Output only. Timestamp when the model training finished and can be used for prediction. |

## Fields

| | |
|---|---|
| update_time | **Timestamp** (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp)<br><br>Output only. Timestamp when this model was last updated. |
| deployment_state | **DeploymentState** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Model.DeploymentState)<br><br>Output only. Deployment state of the model. A model can only serve prediction requests after it gets deployed. |
| video_classification_model_metadata | **VideoClassificationModelMetadata** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.VideoClassificationModelMetadata)<br><br>Metadata for video classification models. |

Deployment state of the model.

## Enums

| | |
|---|---|
| DEPLOYMENT_STATE_UNSPECIFIED | Should not be used, an un-set enum has this value by default. |
| DEPLOYED | Model is deployed. |
| UNDEPLOYED | Model is not deployed. |

Evaluation results of a model.

| Fields | |
|---|---|
| name | **string**<br><br>Output only. Resource name of the model evaluation. Format:<br><br>`projects/{project_id}/locations/{location_id}/models/{model_id}/modelEvaluations/{model_evaluation_id}` |
| annotation_spec_id | **string**<br><br>Output only. The ID of the annotation spec that the model evaluation applies to. The The ID is empty for the overall model evaluation. |
| display_name | **string**<br><br>Output only. The value of **display_name** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Model.FIELDS.string.google.cloud.automl.v1beta1.Model.display_name) at the moment when the model was trained. Because this field returns a value at model training time, for different models trained from the same dataset, the values may differ, since display names could had been changed between the two model's trainings.<br><br>The display_name is empty for the overall model evaluation. |
| create_time | **Timestamp** (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp)<br><br>Output only. Timestamp when this model evaluation was created. |

**Fields**

| | |
|---|---|
| evaluated_example_count | int32<br><br>Output only. The number of examples used for model evaluation, i.e. for which ground truth from time of model creation is compared against the predicted annotations created by the model. For overall ModelEvaluation (i.e. with annotation_spec_id not set) this is the total number of all examples used for evaluation. Otherwise, this is the count of examples that according to the ground truth were annotated by the<br><br>annotation_spec_id<br>(/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ModelEvaluation.FIELDS.string.google.cloud.automl.v1beta1.ModelEvaluation.annotation_spec_id)<br><br>. |
| classification_evaluation_metrics | ClassificationEvaluationMetrics<br>(/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ClassificationEvaluationMetrics)<br><br>Evaluation metrics for classification models. |

Metadata used across all long running operations returned by AutoML API.

**Fields**

| | |
|---|---|
| progress_percent | int32<br><br>Output only. Progress of operation. Range: [0, 100]. Not used currently. |

| Fields | |
|---|---|
| `partial_failures[]` | <u>Status</u> (/video-intelligence/automl/docs/reference/rpc/google.rpc#google.rpc.Status)<br><br>Output only. Partial failures encountered. E.g. single files that couldn't be read. This field should never exceed 20 entries. Status details field will contain standard GCP error details. |
| `create_time` | <u>Timestamp</u> (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp)<br><br>Output only. Time when the operation was created. |
| `update_time` | <u>Timestamp</u> (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Timestamp)<br><br>Output only. Time when the operation was updated for the last time. |
| Union field **details**. Ouptut only. Details of specific operation. Even if this field is empty, the presence allows to distinguish different types of operations. **details** can be only one of the following: | |
| `delete_details` | <u>DeleteOperationMetadata</u> (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.DeleteOperationMetadata)<br><br>Details of a Delete operation. |
| `deploy_model_details` | <u>DeployModelOperationMetadata</u> (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.DeployModelOperationMetadata)<br><br>Details of a DeployModel operation. |
| `undeploy_model_details` | <u>UndeployModelOperationMetadata</u> (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.UndeployModelOperationMetadata)<br><br>Details of an UndeployModel operation. |

| Fields | |
|---|---|
| create_model_details | **CreateModelOperationMetadata** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.CreateModelOperationMetadata) Details of CreateModel operation. |
| import_data_details | **ImportDataOperationMetadata** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ImportDataOperationMetadata) Details of ImportData operation. |
| batch_predict_details | **BatchPredictOperationMetadata** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.BatchPredictOperationMetadata) Details of BatchPredict operation. |
| export_data_details | **ExportDataOperationMetadata** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ExportDataOperationMetadata) Details of ExportData operation. |

Output configuration for **ExportData** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoML.ExportData)

.

AutoML Video Intelligence writes a CSV file named `video_classification.csv` in the Google Cloud Storage bucket specified in `gcs_destination`

(/video-
intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.Outpu
tConfig.FIELDS.google.cloud.automl.v1beta1.GcsDestination.google.cloud.automl.v1beta1.OutputConfig.g
cs_destination)

.

The output file has the following fields:

- `ML_USE` - Identifies the data set that the current row (file) applies to. This value can be one of the following:

    - `TRAIN` - Rows in this file are used to train the model.

    - `TEST` - Rows in this file are used to test the model during training.

    - `UNASSIGNED` - Rows in this file are not categorized. They are Automatically divided into train and test data. 80% for training and 20% for testing.

- `GCS_FILE_PATH` - Identifies a file stored in Google Cloud Storage that contains the model training information. AutoML Video Intelligence writes this file to the Google Cloud Storage bucket specified in `gcs_destination`
  (/video-
  intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.
  OutputConfig.FIELDS.google.cloud.automl.v1beta1.GcsDestination.google.cloud.automl.v1beta1.Ou
  tputConfig.gcs_destination)

  .

Each CSV file identified with a `GCS_FILE_PATH` value has the following format:

- `GCS_FILE_PATH` - The path to the original, imported video stored in Google Cloud Storage.

- `LABEL` - The label that identifies the object of the imported video segment.

- `TIME_SEGMENT_START` and `TIME_SEGMENT_END` - The start and end timestamps in seconds for the segment of video to be annotated. The values must be within the length of the video, and `TIME_SEGMENT_END` must be after the `TIME_SEGMENT_START`.

**Fields**

| | |
|---|---|
| gcs_destination | **GcsDestination** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.GcsDestination)<br><br>The Google Cloud Storage location where the output from the **predict** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.PredictionService.Predict) command is to be written to. Does not apply for this product. |

Request message for **PredictionService.Predict** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.PredictionService.Predict)

.

**Fields**

| | |
|---|---|
| name | **string**<br><br>Name of the model requested to serve the prediction.<br><br>Authorization requires the following Google IAM (https://cloud.google.com/iam) permission on the specified resource **name**:<br><br>• `automl.models.predict` |
| payload | **ExamplePayload** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ExamplePayload)<br><br>Required. Payload to perform a prediction on. The payload must match the problem type that the model was trained to solve. |

**Fields**

| params | map<string, string> |
| --- | --- |
| | Additional domain-specific parameters, any string must be up to 25000 characters long. |

Response message for **PredictionService.Predict** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.PredictionService.Predict)

.

**Fields**

| payload[] | **AnnotationPayload** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AnnotationPayload) |
| --- | --- |
| | Prediction result. |
| metadata | map<string, string> |
| | Additional domain-specific prediction response metadata. |

A time period inside of an example that has a time dimension (e.g. video).

**Fields**

| Fields | |
|---|---|
| start_time_offset | **Duration** (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Duration)<br><br>Start of the time segment (inclusive), represented as the duration since the example start. |
| end_time_offset | **Duration** (https://developers.google.com/protocol-buffers/docs/reference/google.protobuf#google.protobuf.Duration)<br><br>End of the time segment (exclusive), represented as the duration since the example start. |

Details of UndeployModel operation.

Request message for **AutoMl.UndeployModel** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.AutoMl.UndeployModel)
.

| Fields |
|---|
| |

**Fields**

| name | **string** |
|------|------------|
| | Resource name of the model to undeploy. |
| | Authorization requires the following <u>Google IAM</u> (https://cloud.google.com/iam) permission on the specified resource **name**: |
| | • **automl.models.undeploy** |

Contains annotation details specific to video classification.

**Fields**

| Fields | |
|---|---|
| **type** | **string**<br><br>Output only. Expresses the type of video classification. Possible values:<br><br>- **segment** - Classification done on a specified by user time segment of a video. AnnotationSpec is answered to be present in that time segment, if it is present in any part of it. The video ML model evaluations are done only for this type of classification.<br><br>- **shot** - Shot-level classification. AutoML Video Intelligence determines the boundaries for each camera shot in the entire segment of the video that user specified in the request configuration. AutoML Video Intelligence then returns labels and their confidence scores for each detected shot, along with the start and end time of the shot. WARNING: Model evaluation is not done for this classification type, the quality of it depends on training data, but there are no metrics provided to describe that quality.<br><br>- **1s_interval** - AutoML Video Intelligence returns labels and their confidence scores for each second of the entire segment of the video that user specified in the request configuration. WARNING: Model evaluation is not done for this classification type, the quality of it depends on training data, but there are no metrics provided to describe that quality. |
| **classification_annotation** | **ClassificationAnnotation** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.ClassificationAnnotation)<br><br>Output only . The classification details of this annotation. |
| **time_segment** | **TimeSegment** (/video-intelligence/automl/docs/reference/rpc/google.cloud.automl.v1beta1#google.cloud.automl.v1beta1.TimeSegment)<br><br>Output only . The time segment of the video to which the annotation applies. |

Dataset metadata specific to video classification. All Video Classification datasets are treated as multi label.

Model metadata specific to video classification.