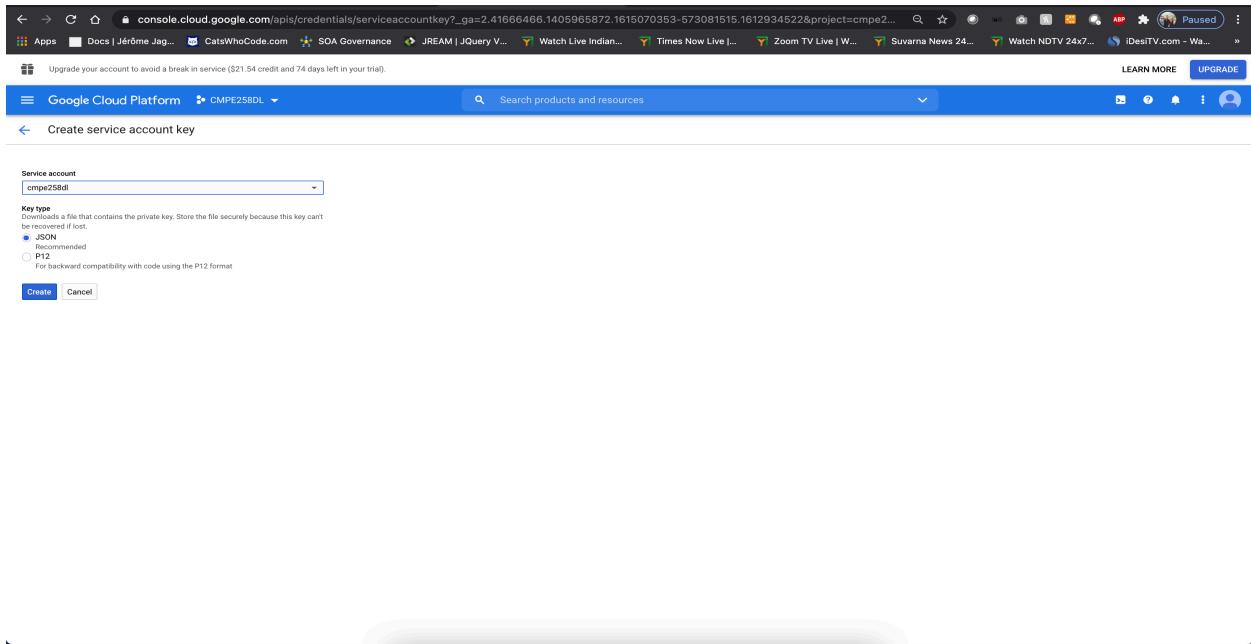
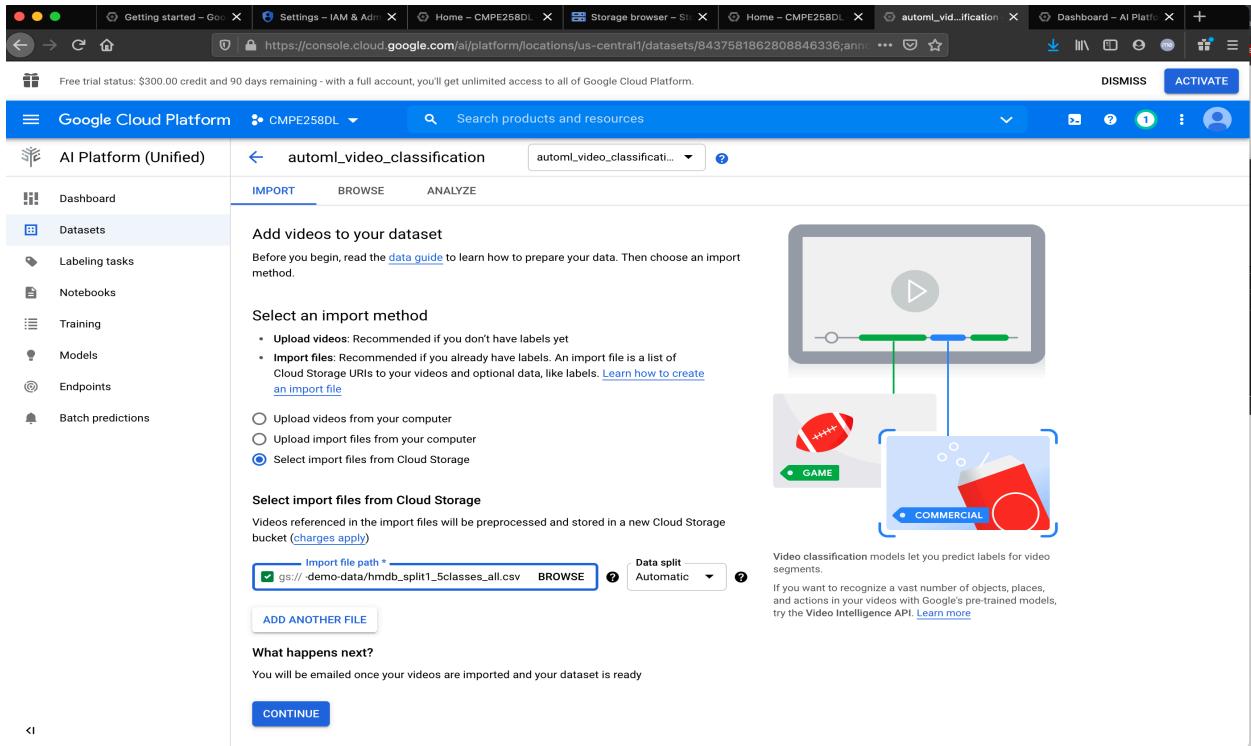


# AI Platform: Video Classification

## Creation of new service account key



## Create a video classification dataset and import data



True label	cartwheel	ride_horse	golf	kick_ball	pullup
cartwheel	100%	—	—	—	—
golf	—	100%	—	—	—

Creation of batch prediction:

Screenshot of the Google Cloud Platform AI Platform (Unified) interface showing the "Batch predictions" section for the "automl\_video\_classification\_model1" model.

The URL is: <https://console.cloud.google.com/ai/platform/locations/us-central1/models/4520787193135890432/batch-predictions?authuser=1&project=cmpe258dl>

**Batch predictions**

Batch prediction intakes a group of prediction requests and outputs the results to a specified location. Use batch prediction when you don't require an immediate response and want to process accumulated data with a single request. Batch prediction can be used with AutoML models and custom-trained models.

**CREATE BATCH PREDICTION**

**Filter batch predictions**

	Last updated	Status
Batch prediction	February 20, 2021	Done
automl_video_batchprediction		

Screenshot of the Google Cloud Platform AI Platform (Unified) interface showing the "Labeling tasks" section for the "automl\_video\_classification\_model1" model.

The URL is: <https://console.cloud.google.com/ai/platform/locations/us-central1/batch-predictions/8945679380143669248?backTo=dataset&authuser=1&project=cmpe258dl>

**Filter items**

Select all

	Count
All	500
Labeled	500
Unlabeled	0

**Filter labels**

**Videos**

- cartwheel 100
- golf 100
- kick\_ball 100
- pullup 100
- ride\_horse 100

**ADD NEW LABEL**

**Training jobs and models**

Use this dataset to train a new machine learning model with AutoML or custom code.

**TRAIN NEW MODEL**

**Labeling tasks**

If your data still needs to be labeled, create a labeling task to have others label it for you.

**CREATE LABELING TASK**

Items per page: 10 ▾ 1 – 10 of many < >

Show debug pane

automl\_video\_batchprediction

console.cloud.google.com/a/platform/locations/us-central1/batch-predictions/8945679380143669248?backTo=model&authuser=1&project=cmpe258dl

Upgrade your account to avoid a break in service (\$23.99 credit and 79 days left in your trial).

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Google Cloud Platform CMPE258DL

AI Platform (Unified) automl\_video\_batchprediction

Dashboard Model automl\_video\_classification\_model1

Objectives Video classification

Import location gs://automl-video-demo-data/hmdb51\_predict.json

Total items 5

Predicted items 5

Created Feb 20, 2021 at 06:59PM

Updated Feb 20, 2021 at 07:02PM

Elapsed time 2 min 7 sec

Status Completed without errors

Export location gs://cmpe258dl-vcm/videopredict/prediction-automl\_video\_classification\_model1-2021-02-21T02:59:55.828673Z

Batch predictions VIEW RESULTS

AI Platform (Unified) – CMPE258DL

console.cloud.google.com/a/platform/locations/us-central1/batch-predictions/8945679380143669248/result?authuser=1&project=cmpe258dl

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AI Platform (Unified) gs://automl-video-demo-data/hmdb51/35\_pull\_ups\_pullup\_f\_nm\_np1\_fr\_goo\_1.mp4 [0:2.633333]

Dashboard

Filter labels

- cartwheel (1) 0.00:00.00-0.00:02.62 0.050
- golf (1) 0.00:00.00-0.00:02.62 0.047
- kick\_ball (1) 0.00:00.00-0.00:02.62 0.046
- pullup (1) 0.00:00.00-0.00:02.62 0.815
- ride\_horse (1) 0.00:00.00-0.00:02.62 0.042

Dataset

Labeling tasks

Notebooks

Training

Models

Endpoints

Batch predictions

00:00 / 00:02

Confidence threshold: 0.00 Predict on: SHOT SEGMENT INTERVAL

	00:00	00:0.5	00:01	00:1.5	00:02	00:2.5	00:2.6
cartwheel	0.05						
golf	0.047						
kick_ball	0.046						
pullup	0.815						
ride_horse	0.042						

Models - AI Platform (Unified) - console.cloud.google.com

Upgrade your account to avoid a break in service (\$23.99 credit and 79 days left in your trial).

Google Cloud Platform CMPE258DL

Search products and resources

LEARN MORE UPGRADE

AI Platform (Unified)

Models PREVIEW + CREATE IMPORT REFRESH

Region us-central1 (Iowa)

Filter models...

Models are built from your datasets or unmanaged data sources. There are many different types of machine learning models available on AI Platform, depending on your use case and level of experience with machine learning. [Learn more](#)

Name

- automl\_video\_classification\_model1
- Structured\_AutoML\_Tutorial\_2021220193125
- hello\_custom
- automl\_text\_classification\_model1

Delete model

Your model and its evaluations will be removed from your Google Cloud project. This may affect any active endpoints using this model. Delete model 'automl\_video\_classification\_model1'?

CANCEL DELETE

Type	Created	Notifications	Metadata
Video classification	Feb 20, 2021, 11:08:21 AM		
Tabular	Feb 20, 2021, 11:34:19 AM		
Custom trained	Feb 20, 2021, 12:24:56 PM		
Text classification	Feb 18, 2021, 3:36:25 PM		