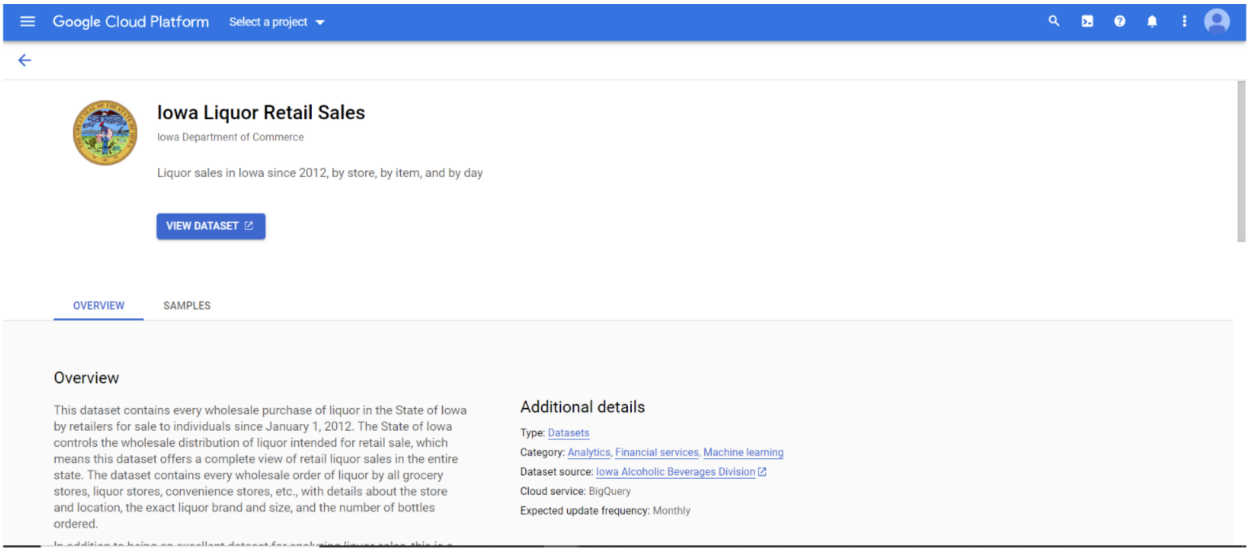
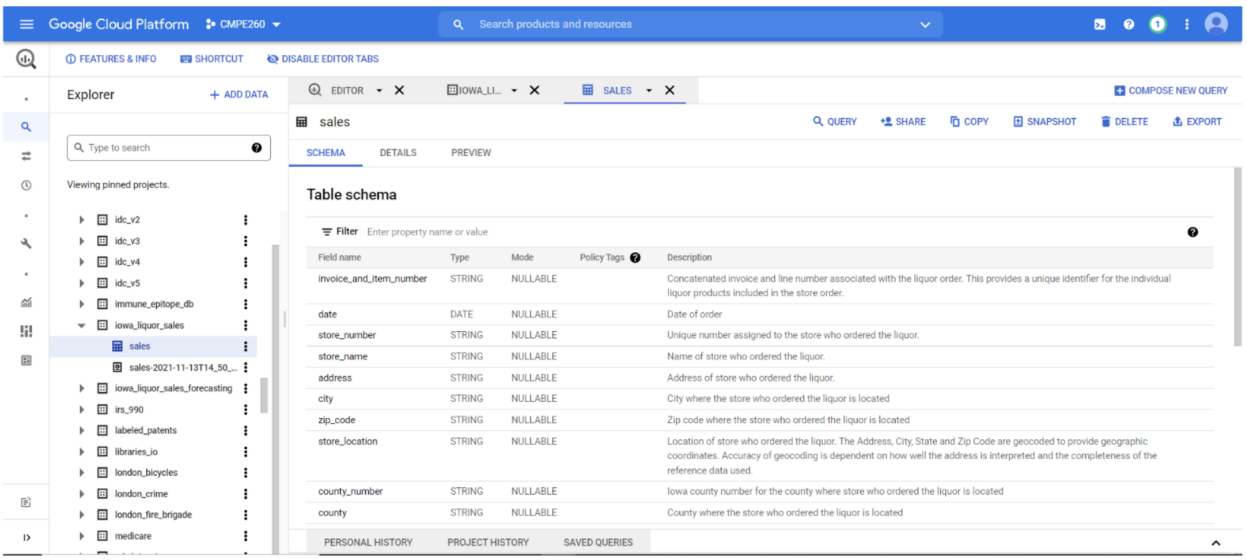
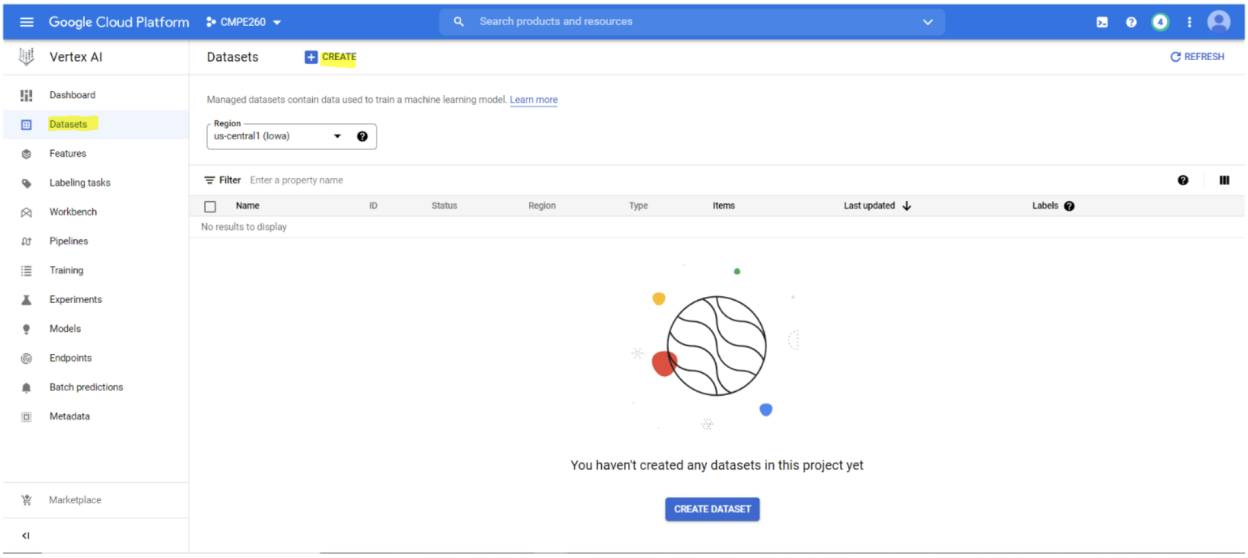
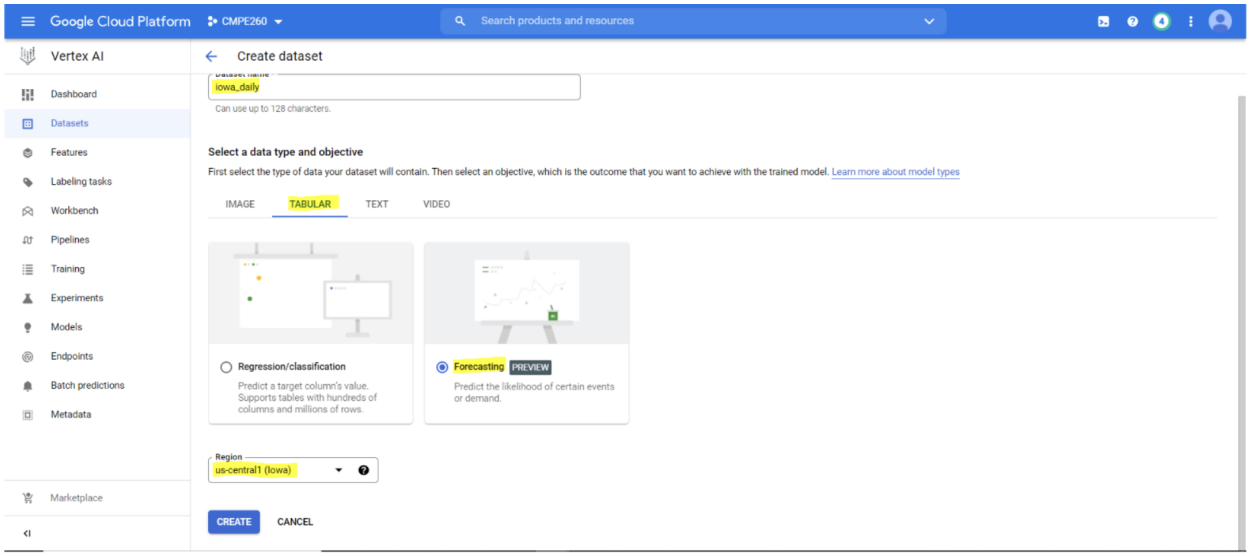
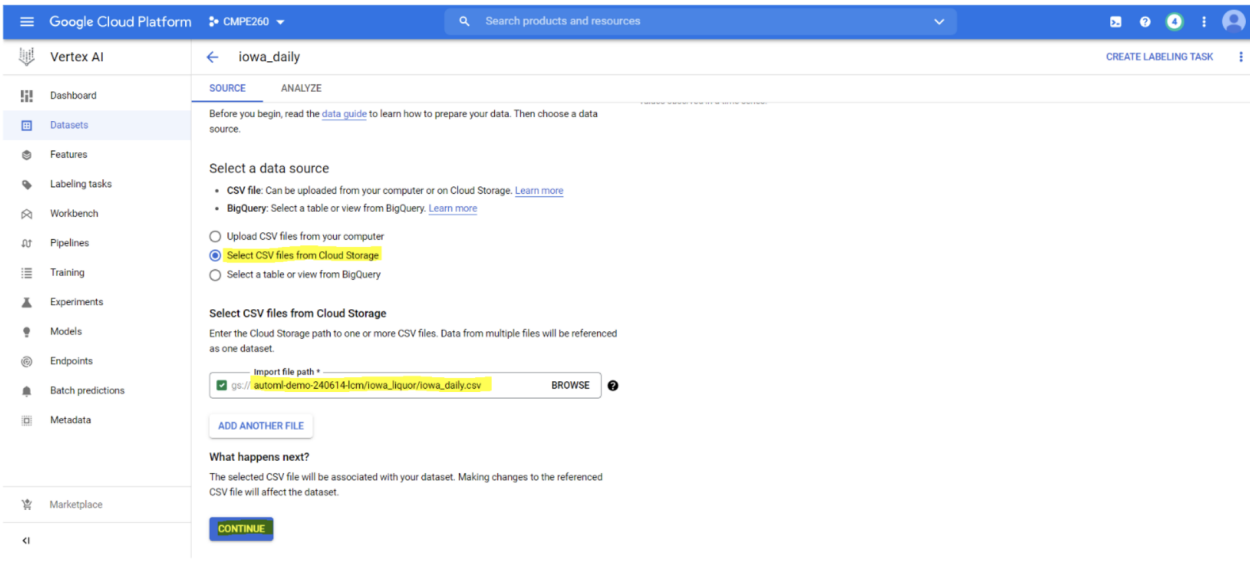
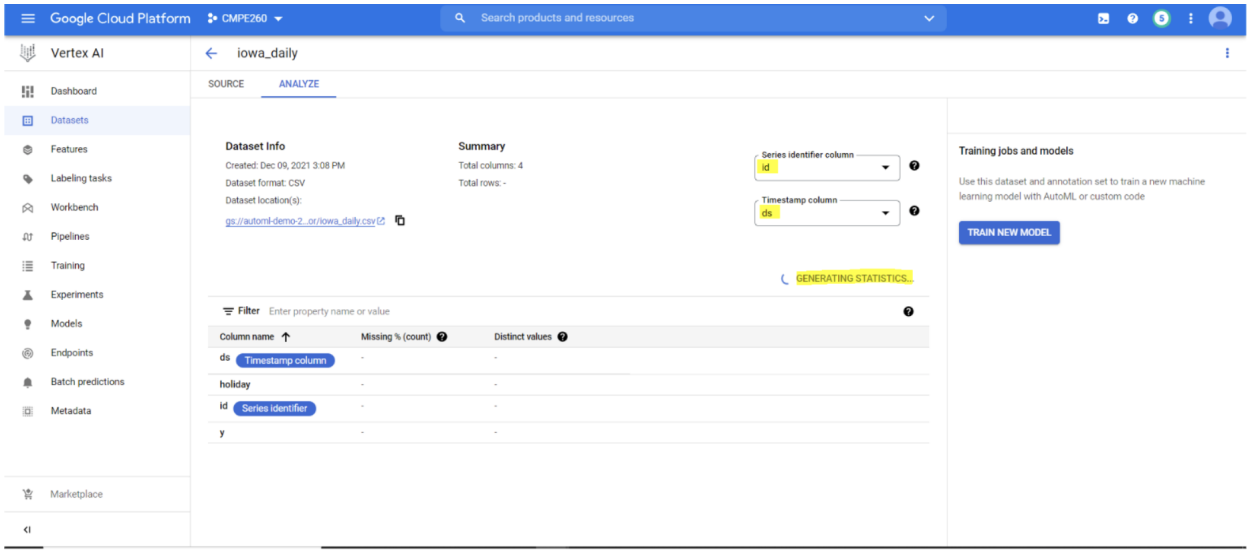

Google Cloud Platform
Select a project
Iowa Liquor Retail Sales
Iowa Department of Commerce
Liquor sales in Iowa since 2012, by store, by item, and by day
VIEW DATASET
OVERVIEW
SAMPLES
Overview
This dataset contains every wholesale purchase of liquor in the State of Iowa by retailers for sale to individuals since January 1, 2012. The State of Iowa controls the wholesale distribution of liquor intended for retail sale, which means this dataset offers a complete view of retail liquor sales in the entire state. The dataset contains every wholesale order of liquor by all grocery stores, liquor stores, convenience stores, etc., with details about the store and location, the exact liquor brand and size, and the number of bottles ordered.
Additional details
Type: Datasets
Category: Analytics, Financial services, Machine learning
Dataset source: Iowa Alcoholic Beverages Division
Cloud service: BigQuery
Expected update frequency: Monthly

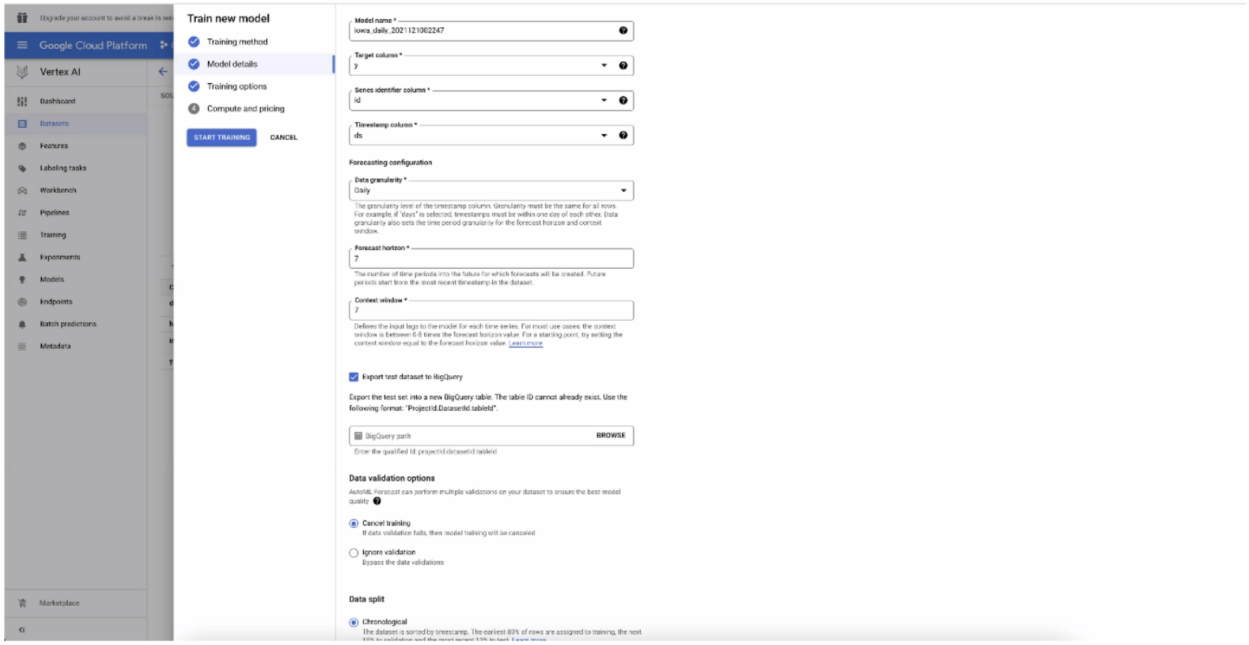

Google Cloud Platform
CMPE260
Search products and resources
FEATURES & INFO
SHORTCUT
DISABLE EDITOR TABS
Explorer
ADD DATA
Type to search
Viewing pinned projects.
idc_v2
idc_v3
idc_v4
idc_v5
immune_epitope_db
iowa_liquor_sales
sales
sales-2021-11-13T14_50_...
iowa_liquor_sales_forecasting
irs_990
labeled_patents
libraries_io
london_bicycles
london_crime
london_fire_brigade
medicare
EDITOR
IOWA_LI...
SALES
COMPOSE NEW QUERY
sales
QUERY
SHARE
COPY
SNAPSHOT
DELETE
EXPORT
SCHEMA
DETAILS
PREVIEW
Table schema
Filter
Enter property name or value
Field name
Type
Mode
Policy Tags
Description
invoice_and_item_number
STRING
NULLABLE
Concatenated invoice and line number associated with the liquor order. This provides a unique identifier for the individual liquor products included in the store order.
date
DATE
NULLABLE
Date of order
store_number
STRING
NULLABLE
Unique number assigned to the store who ordered the liquor.
store_name
STRING
NULLABLE
Name of store who ordered the liquor.
address
STRING
NULLABLE
Address of store who ordered the liquor.
city
STRING
NULLABLE
City where the store who ordered the liquor is located
zip_code
STRING
NULLABLE
Zip code where the store who ordered the liquor is located
store_location
STRING
NULLABLE
Location of store who ordered the liquor. The Address, City, State and Zip Code are geocoded to provide geographic coordinates. Accuracy of geocoding is dependent on how well the address is interpreted and the completeness of the reference data used.
county_number
STRING
NULLABLE
Iowa county number for the county where store who ordered the liquor is located
county
STRING
NULLABLE
County where the store who ordered the liquor is located
PERSONAL HISTORY
PROJECT HISTORY
SAVED QUERIES

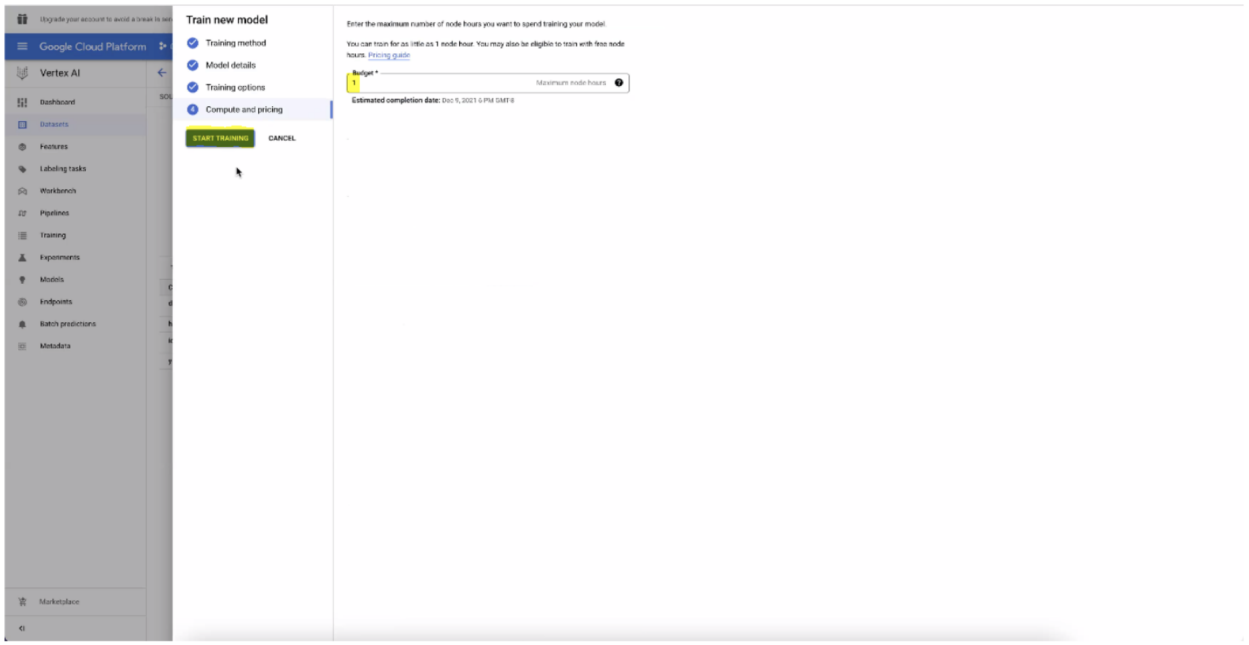

Google Cloud Platform
CMPE260
Search products and resources
Vertex AI
Datasets
CREATE
REFRESH
Dashboard
Datasets
Features
Labeling tasks
Workbench
Pipelines
Training
Experiments
Models
Endpoints
Batch predictions
Metadata
Marketplace
Managed datasets contain data used to train a machine learning model. Learn more
Region
us-central1 (Iowa)
Filter
Enter a property name
Name
ID
Status
Region
Type
Items
Last updated
Labels
No results to display
You haven't created any datasets in this project yet
CREATE DATASET

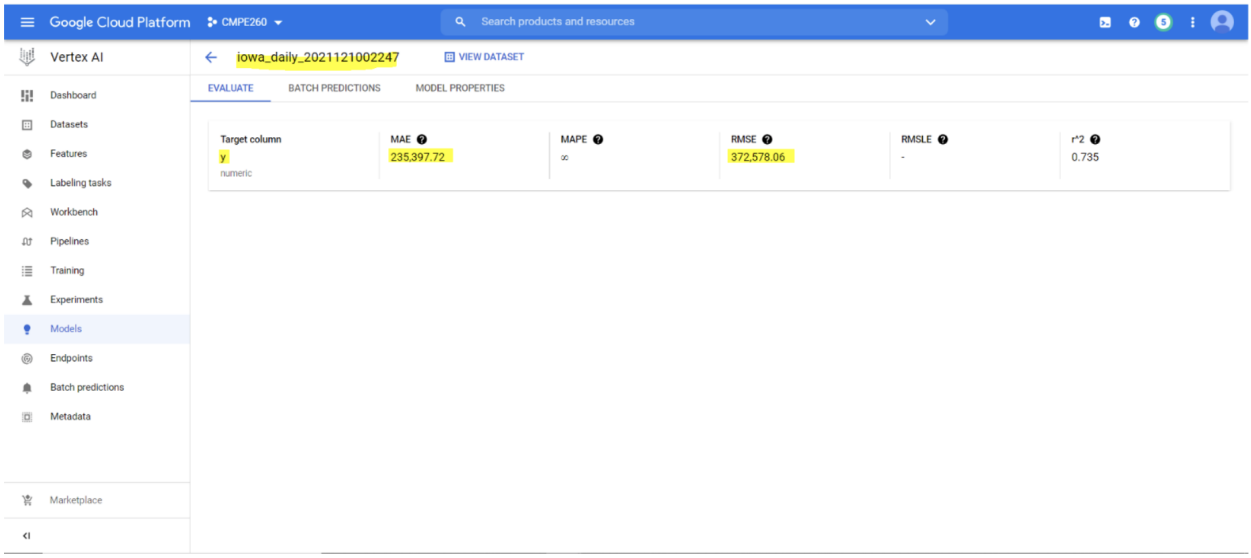

Google Cloud Platform
CMPE260
Search products and resources
Vertex AI
Create dataset
Dashboard
Datasets
Features
Labeling tasks
Workbench
Pipelines
Training
Experiments
Models
Endpoints
Batch predictions
Metadata
Marketplace
iowa_daily
Can use up to 128 characters.
Select a data type and objective
First select the type of data your dataset will contain. Then select an objective, which is the outcome that you want to achieve with the trained model. Learn more about model types
IMAGE
TABULAR
TEXT
VIDEO
Regression/classification
Predict a target column's value. Supports tables with hundreds of columns and millions of rows.
Forecasting
PREVIEW
Predict the likelihood of certain events or demand.
Region
us-central1 (Iowa)
CREATE
CANCEL

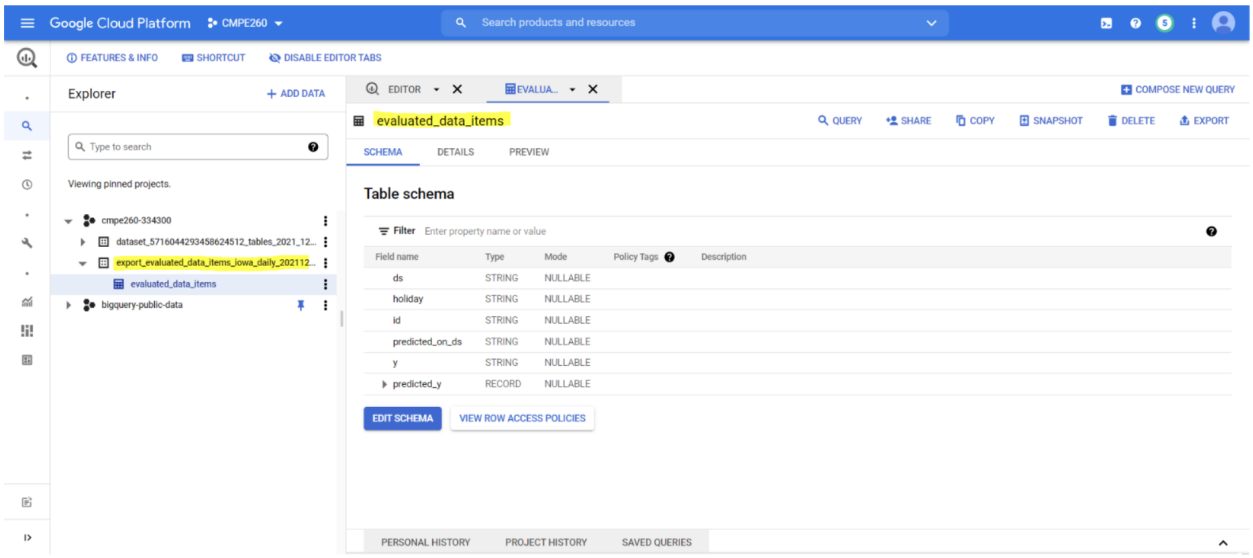

Google Cloud Platform
CMPE260
Search products and resources
Vertex AI
iowa_daily
CREATE LABELING TASK
SOURCE
ANALYZE
Dashboard
Datasets
Features
Labeling tasks
Workbench
Pipelines
Training
Experiments
Models
Endpoints
Batch predictions
Metadata
Marketplace
Before you begin, read the data guide to learn how to prepare your data. Then choose a data source.
Select a data source
CSV file: Can be uploaded from your computer or on Cloud Storage. Learn more
BigQuery: Select a table or view from BigQuery. Learn more
Upload CSV files from your computer
Select CSV files from Cloud Storage
Select a table or view from BigQuery
Select CSV files from Cloud Storage
Enter the Cloud Storage path to one or more CSV files. Data from multiple files will be referenced as one dataset.
Import file path *
gs://
automl-demo-240614-lcm/iowa_liquor/iowa_daily.csv
BROWSE
ADD ANOTHER FILE
What happens next?
The selected CSV file will be associated with your dataset. Making changes to the referenced CSV file will affect the dataset.
CONTINUE

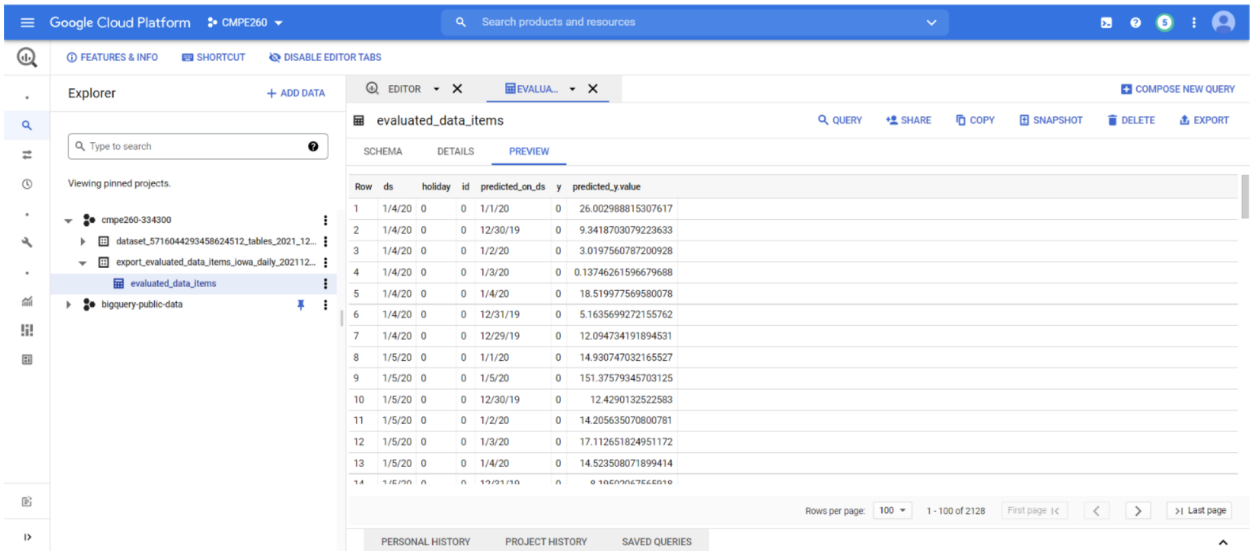

Google Cloud Platform
CMPE260
Search products and resources
Vertex AI
iowa_daily
Dashboard
Datasets
Features
Labeling tasks
Workbench
Pipelines
Training
Experiments
Models
Endpoints
Batch predictions
Metadata
Marketplace
SOURCE
ANALYZE
Dataset Info
Created: Dec 09, 2021 3:08 PM
Dataset format: CSV
Dataset location(s):
gs://automl-demo-2...or/iowa_daily.csv
Summary
Total columns: 4
Total rows: -
Series identifier column
id
Timestamp column
ds
GENERATING STATISTICS...
Training jobs and models
Use this dataset and annotation set to train a new machine learning model with AutoML or custom code
TRAIN NEW MODEL
Filter
Enter property name or value
Column name
Missing % (count)
Distinct values
ds
Timestamp column
holiday
id
Series identifier
y

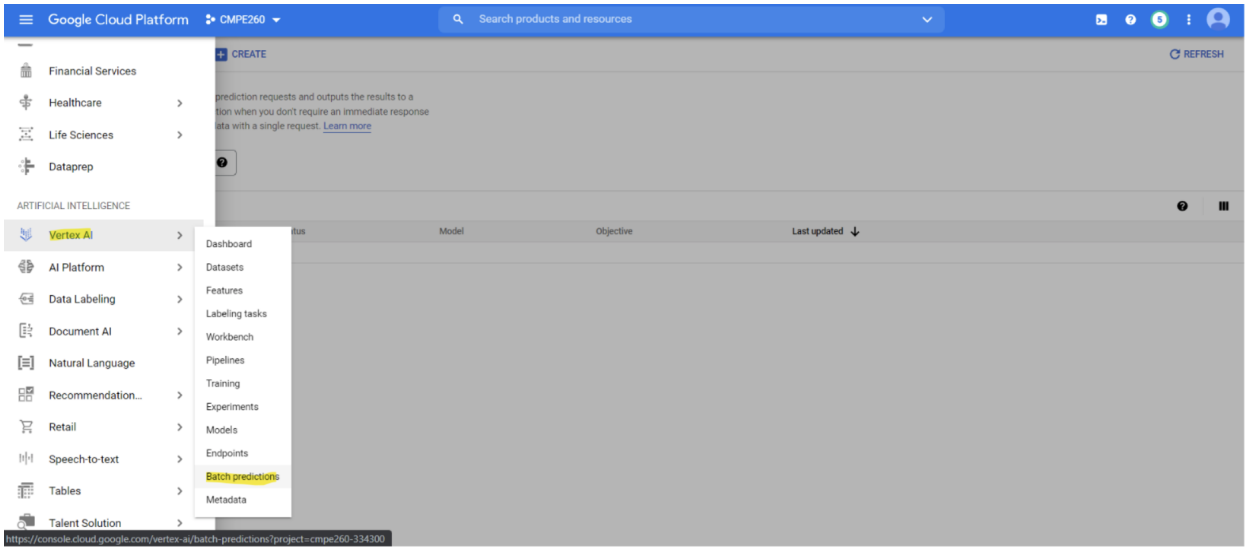

Train new model
Training method
Model details
Training options
Compute and pricing
START TRAINING
CANCEL
Model name *
iowa_daily_20211210022247
Target column *
y
Series identifier column *
id
Timestamp column *
ds
Forecasting configuration
Data granularity *
Daily
Forecast horizon *
7
Context window *
7
Export test dataset to BigQuery
BigQuery path
BROWSE
Data validation options
Cancel training
Ignore validation
Data split
Chronological

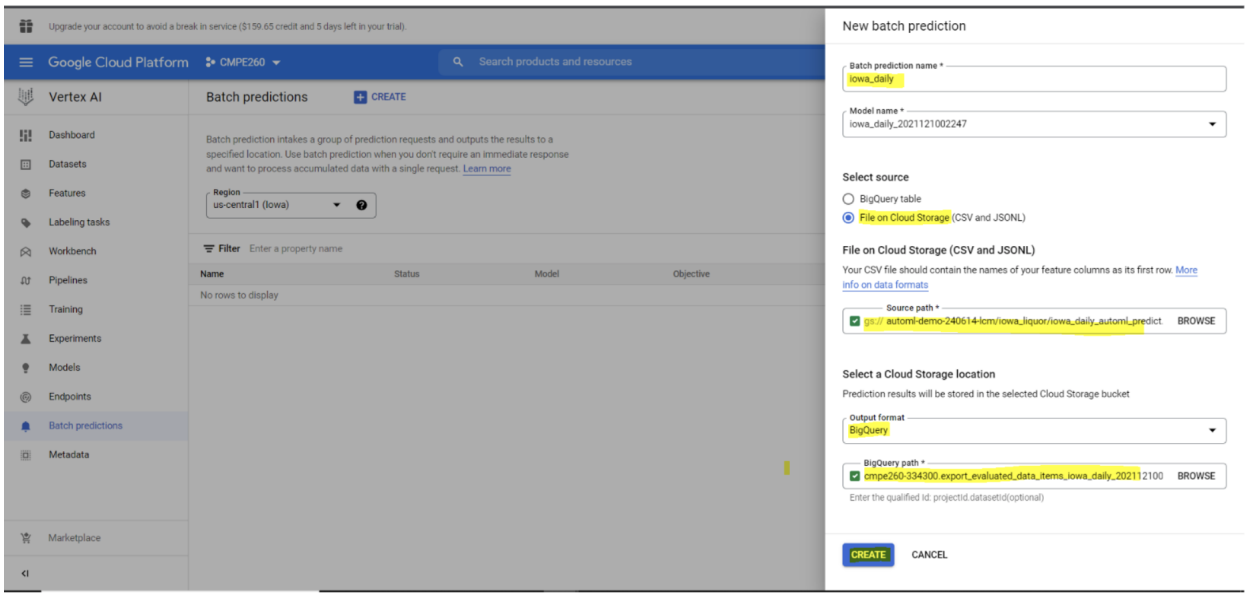

Train new model
Training method
Model details
Training options
Compute and pricing
START TRAINING
CANCEL
Enter the maximum number of node hours you want to spend training your model.
You can train for as little as 1 node hour. You may also be eligible to train with free node hours. Pricing guide
Budget *
1
Maximum node hours
Estimated completion date: Dec 9, 2021 6 PM GMT-8
Google Cloud Platform
Vertex AI
Dashboard
Datasets
Features
Labeling tasks
Workbench
Pipelines
Training
Experiments
Models
Endpoints
Batch predictions
Metadata
Marketplace

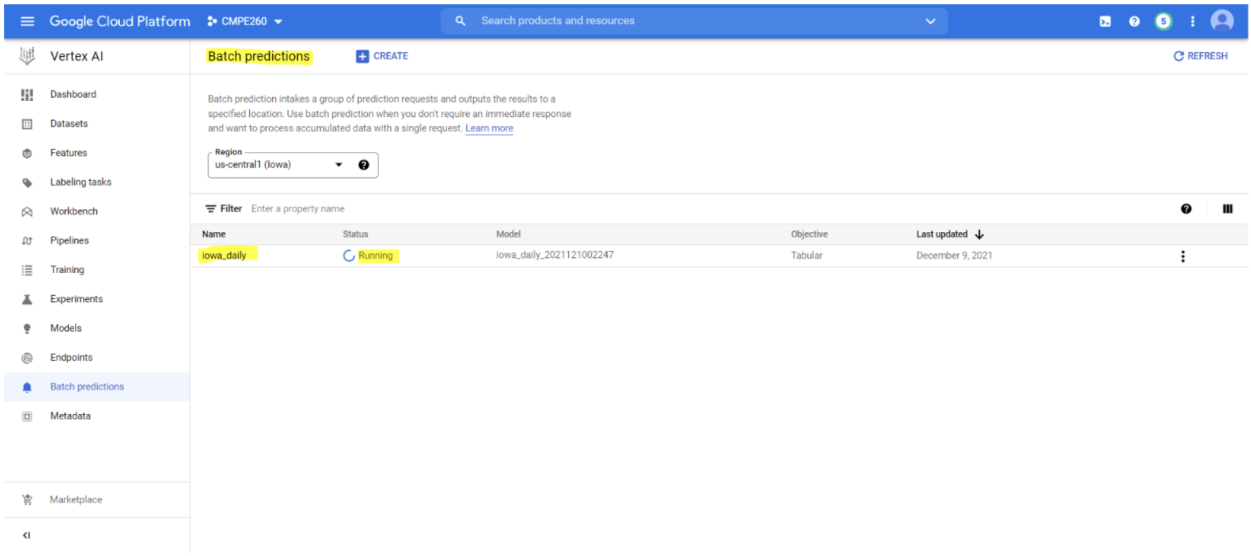

Google Cloud Platform
CMPE260
Search products and resources
Vertex AI
iowa_daily_2021121002247
VIEW DATASET
EVALUATE
BATCH PREDICTIONS
MODEL PROPERTIES
Target column
y
numeric
MAE
235,397.72
MAPE
∞
RMSE
372,578.06
RMSLE
-
r^2
0.735
Dashboard
Datasets
Features
Labeling tasks
Workbench
Pipelines
Training
Experiments
Models
Endpoints
Batch predictions
Metadata
Marketplace

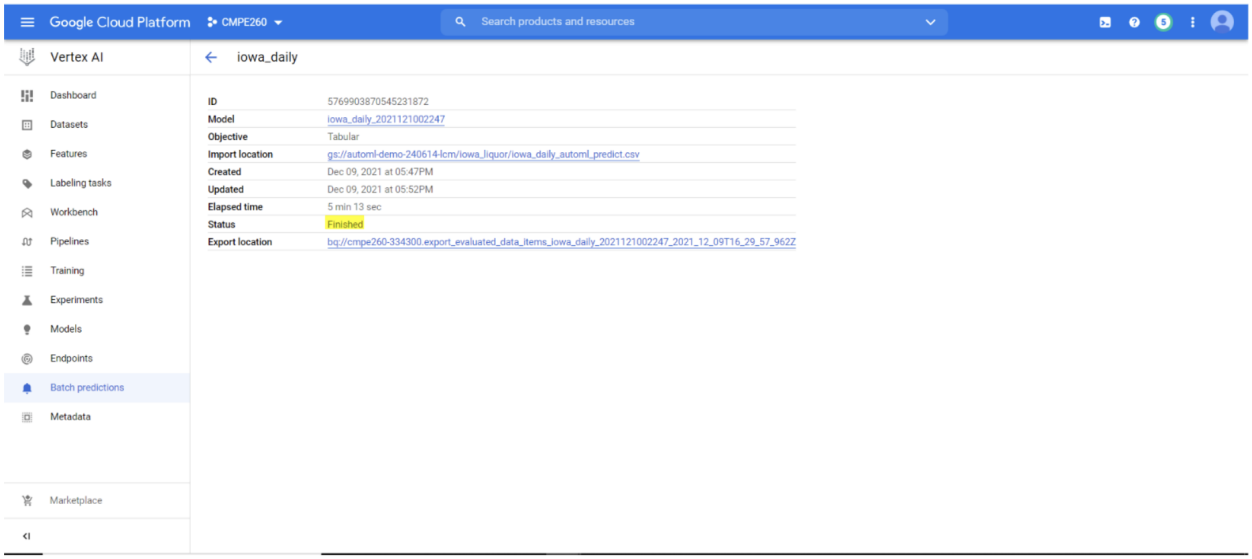

Google Cloud Platform
CMPE260
Search products and resources
FEATURES & INFO
SHORTCUT
DISABLE EDITOR TABS
Explorer
ADD DATA
Type to search
Viewing pinned projects.
cmpe260-334300
dataset_571604429345862451 2_tables_2021_12...
export_evaluated_data_items_iowa_daily_202112...
evaluated_data_items
bigquery-public-data
EDITOR
EVALUA...
COMPOSE NEW QUERY
evaluated_data_items
QUERY
SHARE
COPY
SNAPSHOT
DELETE
EXPORT
SCHEMA
DETAILS
PREVIEW
Table schema
Filter
Enter property name or value
Field name
Type
Mode
Policy Tags
Description
ds
STRING
NULLABLE
holiday
STRING
NULLABLE
id
STRING
NULLABLE
predicted_on_ds
STRING
NULLABLE
y
STRING
NULLABLE
predicted_y
RECORD
NULLABLE
EDIT SCHEMA
VIEW ROW ACCESS POLICIES
PERSONAL HISTORY
PROJECT HISTORY
SAVED QUERIES

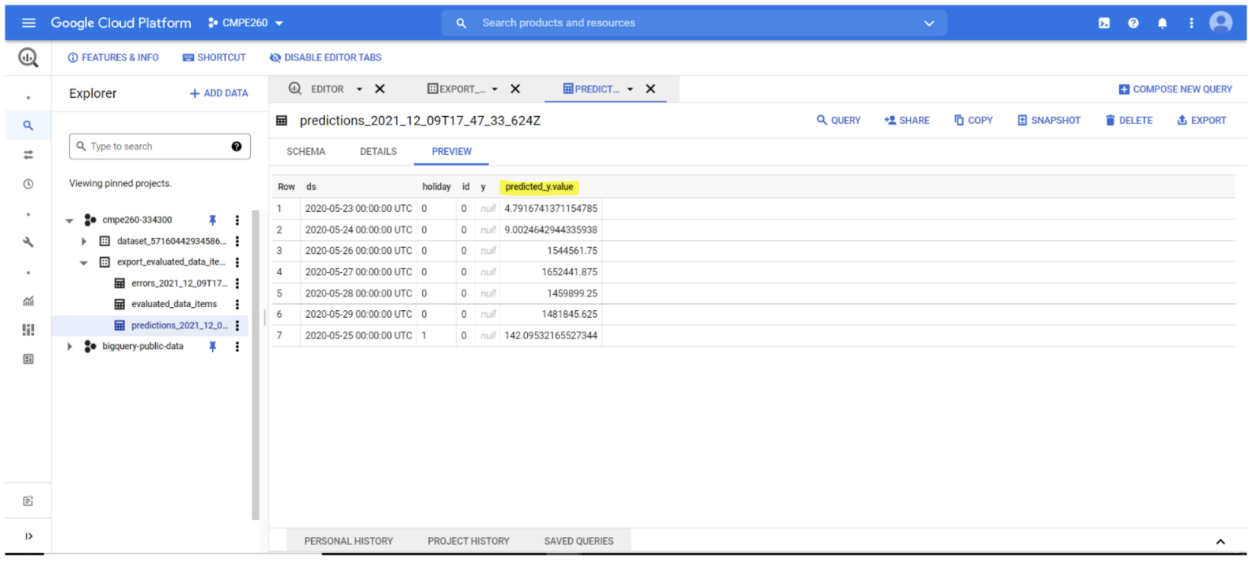

Google Cloud Platform
CMPE260
Search products and resources
FEATURES & INFO
SHORTCUT
DISABLE EDITOR TABS
Explorer
ADD DATA
Type to search
Viewing pinned projects.
cmpe260-334300
dataset_571604429345862451 2_tables_2021_12...
export_evaluated_data_items_iowa_daily_202112...
evaluated_data_items
bigquery-public-data
EDITOR
EVALUA...
COMPOSE NEW QUERY
evaluated_data_items
QUERY
SHARE
COPY
SNAPSHOT
DELETE
EXPORT
SCHEMA
DETAILS
PREVIEW
Row ds holiday id predicted_on_ds y predicted_y.value
1 1/4/20 0 0 1/1/20 0 26.002988815307617
2 1/4/20 0 0 12/30/19 0 9.3418703079223633
3 1/4/20 0 0 1/2/20 0 3.0197560787200928
4 1/4/20 0 0 1/3/20 0 0.13746261596679688
5 1/4/20 0 0 1/4/20 0 18.519977569580078
6 1/4/20 0 0 12/31/19 0 5.1635699272155762
7 1/4/20 0 0 12/29/19 0 12.094734191894531
8 1/5/20 0 0 1/1/20 0 14.930747032165527
9 1/5/20 0 0 1/5/20 0 151.37579345703125
10 1/5/20 0 0 12/30/19 0 12.4290132522583
11 1/5/20 0 0 1/2/20 0 14.205635070800781
12 1/5/20 0 0 1/3/20 0 17.112651824951172
13 1/5/20 0 0 1/4/20 0 14.523508071899414
Rows per page: 100
1 - 100 of 2128
First page
Last page
PERSONAL HISTORY
PROJECT HISTORY
SAVED QUERIES


Google Cloud Platform
CMPE260
Search products and resources
CREATE
REFRESH
Financial Services
Healthcare
Life Sciences
Dataprep
ARTIFICIAL INTELLIGENCE
Vertex AI
AI Platform
Data Labeling
Document AI
Natural Language
Recommendation...
Retail
Speech-to-text
Tables
Talent Solution
Dashboard
Datasets
Features
Labeling tasks
Workbench
Pipelines
Training
Experiments
Models
Endpoints
Batch predictions
Metadata
Model
Objective
Last updated
https://console.cloud.google.com/vertex-ai/batch-predictions?project=cmpe260-334300


Upgrade your account to avoid a break in service ($159.65 credit and 5 days left in your trial).
Google Cloud Platform
CMPE260
Search products and resources
Vertex AI
Batch predictions
CREATE
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. Learn more
Region
us-central1 (Iowa)
Filter
Enter a property name
Name
Status
Model
Objective
No rows to display
Dashboard
Datasets
Features
Labeling tasks
Workbench
Pipelines
Training
Experiments
Models
Endpoints
Batch predictions
Metadata
Marketplace
New batch prediction
Batch prediction name *
iowa_daily
Model name *
iowa_daily_2021121002247
Select source
BigQuery table
File on Cloud Storage (CSV and JSONL)
File on Cloud Storage (CSV and JSONL)
Your CSV file should contain the names of your feature columns as its first row. More info on data formats
Source path *
gs:// automl-demo-240614-lcm/iowa_liquor/iowa_daily_automl_predict
BROWSE
Select a Cloud Storage location
Prediction results will be stored in the selected Cloud Storage bucket
Output format
BigQuery
BigQuery path *
cmpe260-334300.export_evaluated_data_items_iowa_daily_2021121 00
BROWSE
Enter the qualified Id: projectId.datasetId(optional)
CREATE
CANCEL


Google Cloud Platform
CMPE260
Search products and resources
Vertex AI
Batch predictions
CREATE
REFRESH
Dashboard
Datasets
Features
Labeling tasks
Workbench
Pipelines
Training
Experiments
Models
Endpoints
Batch predictions
Metadata
Marketplace
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. Learn more
Region
us-central1 (Iowa)
Filter
Enter a property name
Name
Status
Model
Objective
Last updated
iowa_daily
Running
iowa_daily_2021121002247
Tabular
December 9, 2021


Google Cloud Platform
CMPE260
Search products and resources
Vertex AI
iowa_daily
Dashboard
Datasets
Features
Labeling tasks
Workbench
Pipelines
Training
Experiments
Models
Endpoints
Batch predictions
Metadata
Marketplace
ID
576990387054523187 2
Model
iowa_daily_2021121002247
Objective
Tabular
Import location
gs://automl-demo-240614-lcm/iowa_liquor/iowa_daily_automl_predict.csv
Created
Dec 09, 2021 at 05:47PM
Updated
Dec 09, 2021 at 05:52PM
Elapsed time
5 min 13 sec
Status
Finished
Export location
bq://cmpe260-334300.export_evaluated_data_items_iowa_daily_20211210022247_2021_12_09T16_29_57_962Z


Google Cloud Platform
CMPE260
Search products and resources
FEATURES & INFO
SHORTCUT
DISABLE EDITOR TABS
Explorer
ADD DATA
Type to search
Viewing pinned projects.
cmpe260-334300
dataset_57160442934586...
export_evaluated_data_ite...
errors_2021_12_09T17...
evaluated_data_items
predictions_2021_12_0...
bigquery-public-data
EDITOR
EXPORT_...
PREDICT...
COMPOSE NEW QUERY
predictions_2021_12_09T17_47_33_624Z
QUERY
SHARE
COPY
SNAPSHOT
DELETE
EXPORT
SCHEMA
DETAILS
PREVIEW
Row ds holiday id y predicted_y.value
1 2020-05-23 00:00:00 UTC 0 0 null 4.7916741371154785
2 2020-05-24 00:00:00 UTC 0 0 null 9.0024642944335938
3 2020-05-26 00:00:00 UTC 0 0 null 1544561.75
4 2020-05-27 00:00:00 UTC 0 0 null 1652441.875
5 2020-05-28 00:00:00 UTC 0 0 null 1459899.25
6 2020-05-29 00:00:00 UTC 0 0 null 1481845.625
7 2020-05-25 00:00:00 UTC 1 0 null 142.09532165527344
PERSONAL HISTORY
PROJECT HISTORY
SAVED QUERIES