## Introduction to Vertex AI (formerly AutoML)

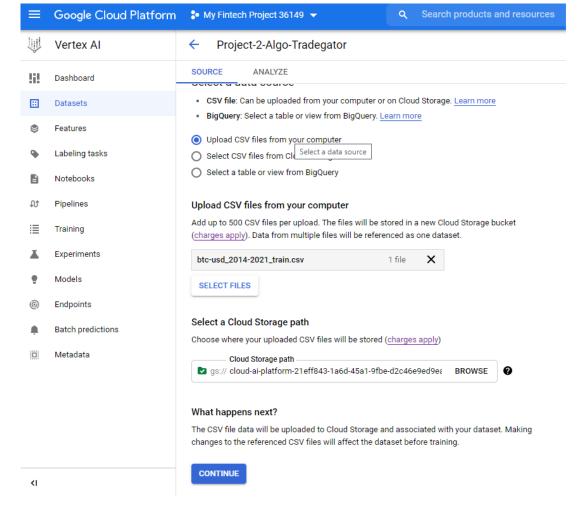
https://cloud.google.com/vertex-ai/docs/start/introduction-unified-platform

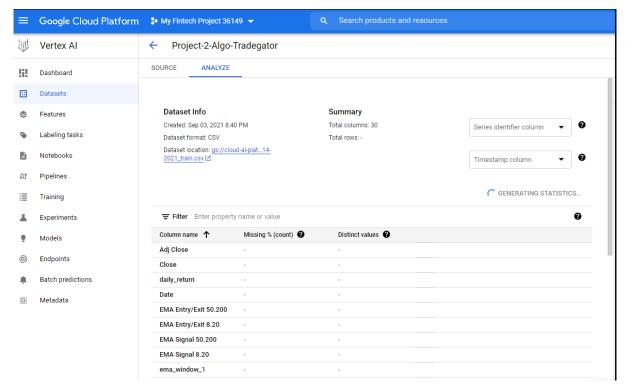
Vertex AI brings AutoML and AI Platform together into a unified API, client library, and user interface. AutoML allows you to train models on image, tabular, text, and video datasets without writing code, while training in AI Platform lets you run custom training code. With Vertex AI, both AutoML training and *custom training* are available options. Whichever option you choose for training, you can save models, deploy models and request predictions with Vertex AI.

You can use Vertex AI to manage the following stages in the ML workflow:

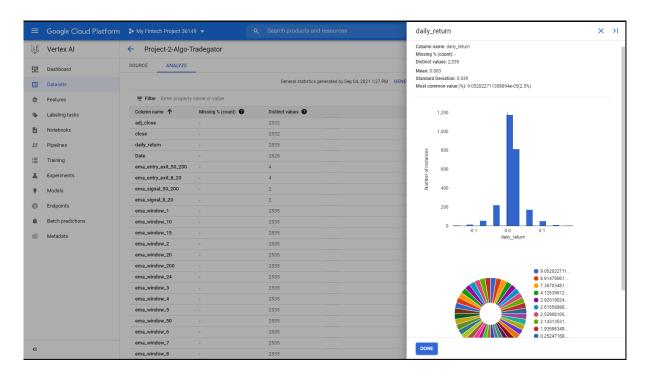
- Create a dataset and upload data.
- Train an ML model on your data:
  - Train the model
  - Evaluate model accuracy
  - Tune hyperparameters (custom training only)
- Upload and store your model in Vertex AI.
- Deploy your trained model to an endpoint for serving predictions.
- Send prediction requests to your endpoint.
- Specify a prediction traffic split in your endpoint.
- Manage your models and endpoints.

**Step 1:** .csv upload. It's also possible to access Vertex via API.



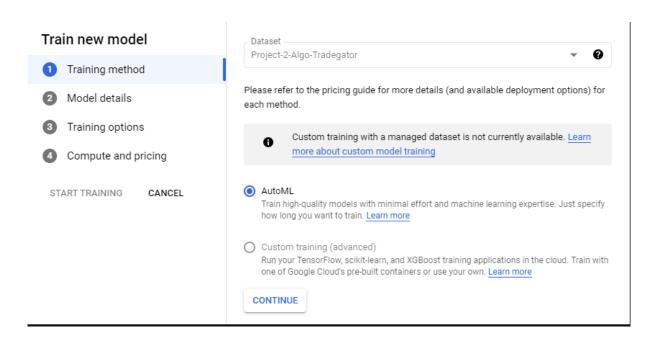


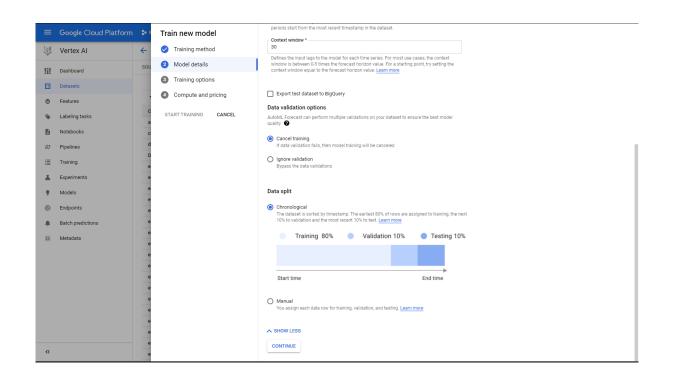
Step 2: All data uploaded and visualization options

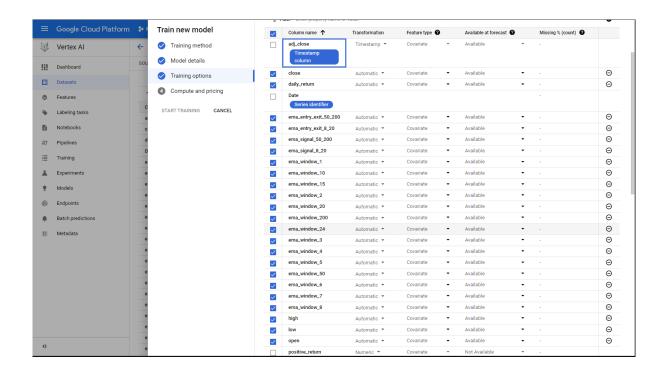


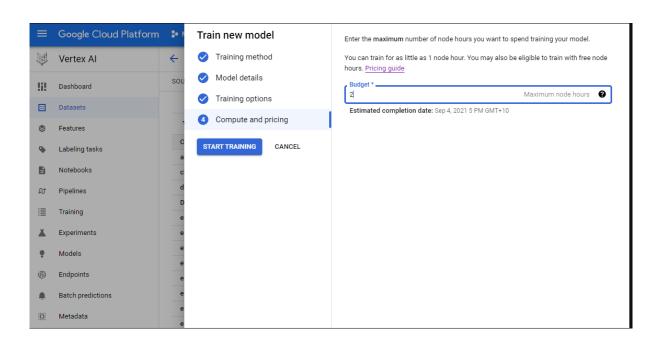
## Step 3: Training the model

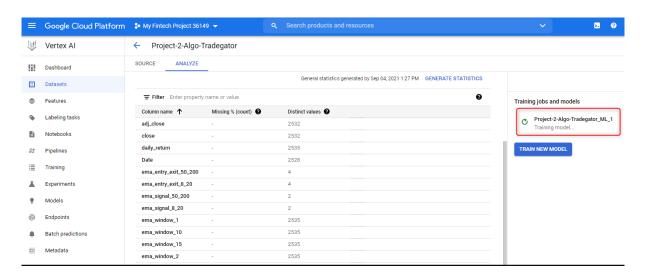












Step 4: Model trained - (takes some time)

