Start Lab 02:00:00

Exploring tf.transform

2 hours Free ★★★★☆ Rate Lab

Overview

tf.transform allows users to define preprocessing pipelines and run these using large

What you learn

- Implement feature preprocessing and feature creation using tf.transform
- Carry out feature processing efficiently, at scale and on streaming data

Setup

For each lab, you get a new Google Cloud project and set of resources for a fixed time at no cost.

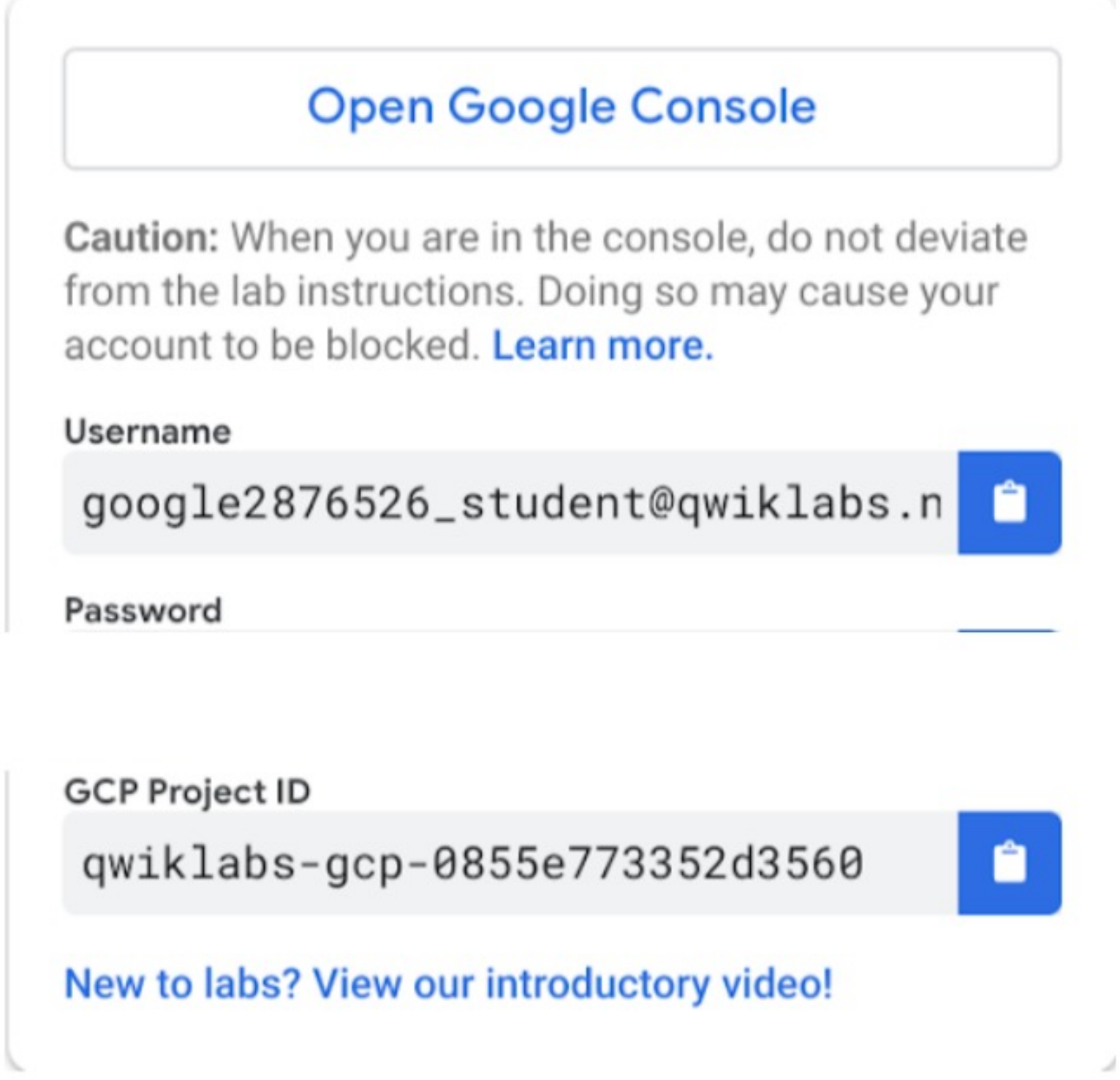
1. Make sure you signed into Qwiklabs using an **incognito window**.

finish in that time block.

> There is no pause feature. You can restart if needed, but you have to start at the beginning.

3. When ready, click START LAB.

4. Note your lab credentials. You will use them to sign in to the Google Cloud Console.



Open Google Console

Caution: When you are in the console, do not deviate from the lab instructions. Doing so may cause your account to be blocked. Learn more.

Username
google2876526_student@qwiklabs.n

Password

GCP Project ID
qwiklabs-gcp-0855e773352d3560

New to labs? View our introductory video!

5. Click **Open Google Console**.

6. Click **Use another account** and copy/paste credentials for **this** lab into the prompts.

> If you use other credentials, you'll get errors or **incur charges**.

7. Accept the terms and skip the recovery resource page.

> Do not click **End Lab** unless you are finished with the lab or want to restart it. This clears your work and removes the project.

Create Storage Bucket

Create a bucket using the GCP console:

Step 1

In your GCP Console, click on the **Navigation menu** (☰), and select **Storage**.

Step 2

Click on **Create bucket**.

Step 3

Choose a Regional bucket and set a unique name (use your project ID because it is unique). Then, click **Create**.

Deployment Manager

This lab is using a deployment manager script to create the Cloud AI Platform instance you will need for this exercise.

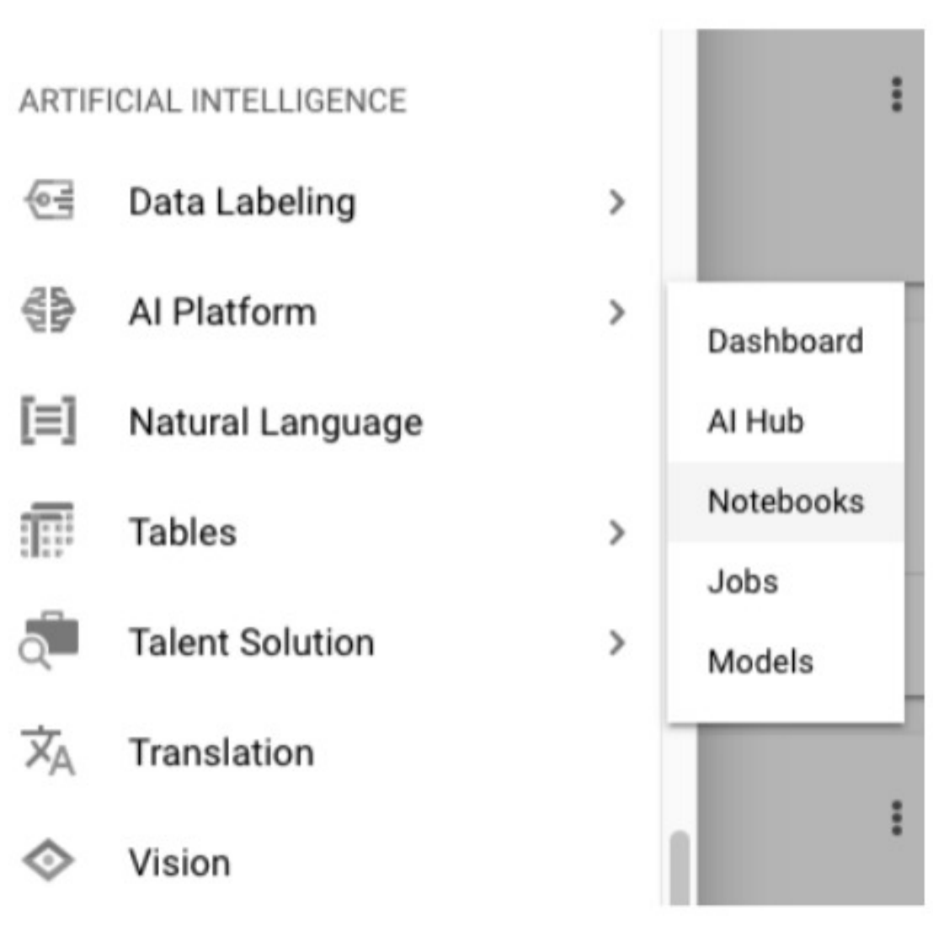
The notebook instance will contain the github repository you need to complete this assignment. It should take 2 - 3 minutes for the instance to be ready.

Please wait before launching the Jupyter notebook, otherwise the script may be interrupted and the repository may not be cloned.

Launch AI Platform Notebooks

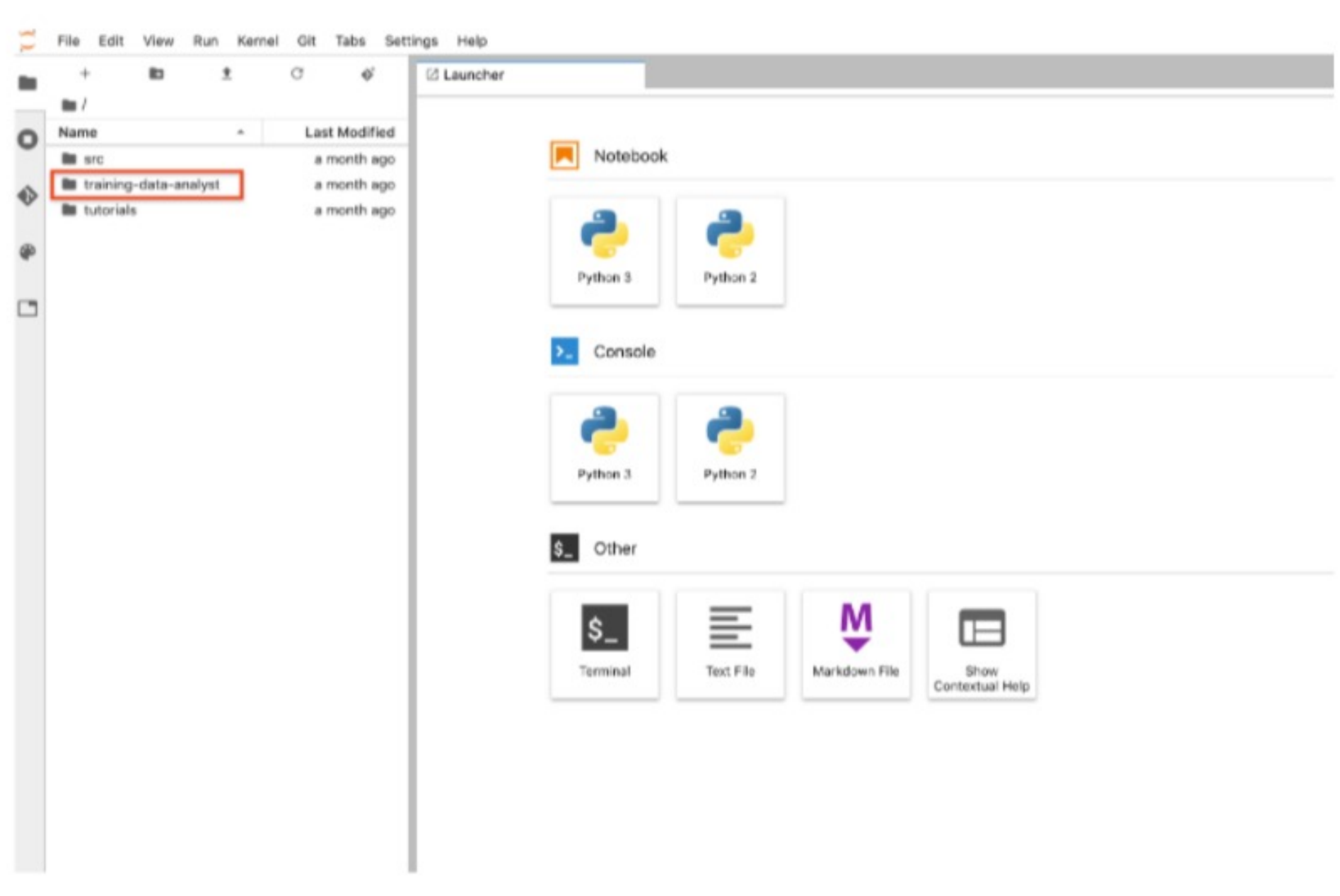
Step 1

Click on the Navigation Menu. Navigate to AI Platforms, then to Notebooks.



Step 2

Click **Open JupyterLab**. A JupyterLab window will open in a new tab. The github



Step 1

In the notebook interface, navigate to **training-data-analyst > courses > machine_learning > deepdive > 11_taxifeateng** and open **tftransform.ipynb**.

Step 2

In the notebook interface, click on **Edit > Clear All Outputs** (click on Edit, then in the drop-down menu, select Clear All Outputs).

End your lab

When you have completed your lab, click **End Lab**. Qwiklabs removes the resources you've used and cleans the account for you.

You will be given an opportunity to rate the lab experience. Select the applicable number of stars, type a comment, and then click **Submit**.

The number of stars indicates the following:

- 1 star = Very dissatisfied
- 2 stars = Dissatisfied
- 3 stars = Neutral
- 4 stars = Satisfied
- 5 stars = Very satisfied

You can close the dialog box if you don't want to provide feedback.

For feedback, suggestions, or corrections, please use the **Support** tab.