Start Lab

00:45:00



Explore and create ML datasets

45 minutes Free ** * Rate Lab Setup Deployment Manager **Enable APIs** Launch Al Platform Notebooks

Overview

Explore and create datasets End your lab

Duration is 1 min

Overview

Use this lab to explore data corresponding to taxi rides in New York City to build a Machine

Learning model in support of a fare-estimation tool.

In this lab, you will:

What you learn

· Access and explore a public BigQuery dataset on NYC Taxi Cab rides

- Visualize your dataset using the Seaborn library
- Inspect and clean-up the dataset for future ML model training
- Create a benchmark to judge future ML model performance off of

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

beginning.

cost.

Setup

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

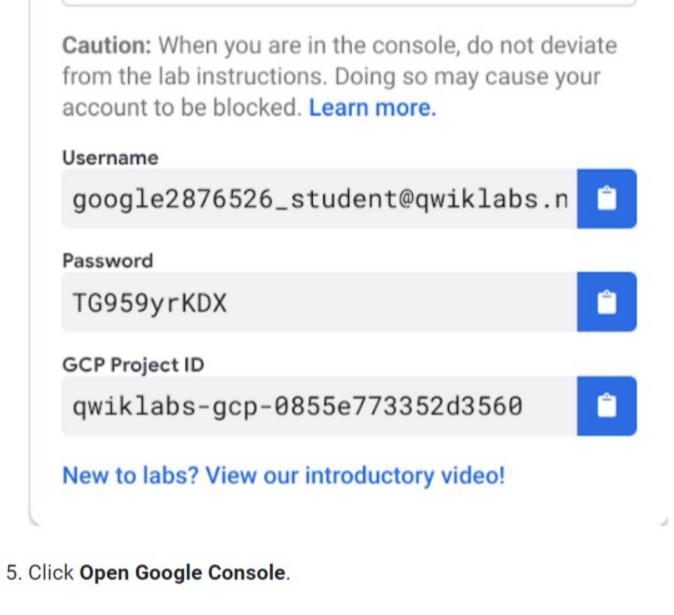
2. Note the lab's access time (for example, 02:00:00 and make sure you can finish in that

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

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



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

Do not click **End Lab** unless you are finished with the lab or want to restart it. This clears

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

your work and removes the project.

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

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.

and the repository may not be cloned.

will need for this exercise.

Deployment Manager

Please wait before launching the Jupyter notebook, otherwise the script may be interrupted

This lab is using a deployment manager script to create the Cloud AI Platform instance you

Enable APIs

If an API is missing, click ENABLE APIS AND SERVICES at the top, search for the API by name, and enable it for your project.

BigQuery

On the Navigation menu (=), click APIs & services.

Scroll down and confirm that your APIs are enabled.

Launch Al Platform Notebooks

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

Dashboard

Notebooks

Al Hub

Jobs

Models

ARTIFICIAL INTELLIGENCE

To launch AI Platform Notebooks:

Al Platform Natural Language

Talent Solution

Data Labeling

Tables

Step 1

 \Diamond Vision

training-data-analyst

Translation

Step 2

repository is named training-data-analyst. **Last Modified** Notebook a month ago

a month ago

a month ago

Click Open JupyterLab. A JupyterLab window will open in a new tab. The github repository that you will use should have been already cloned by the Deployment Manager script. The

>_ Console \$_ Other ≣ M \$_ **Explore and create datasets**

In the notebook interface, navigate to training-data-analyst > courses > machine_learning > deepdive2 > launching_into_ml > solutions and open explore_data.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).

Step 1

Duration is 30 min

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.

• 1 star = Very dissatisfied • 2 stars = Dissatisfied

- 3 stars = Neutral • 4 stars = Satisfied • 5 stars = Very satisfied

with which they are associated.

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

The number of stars indicates the following:

For feedback, suggestions, or corrections, please use the Support tab. Last Tested Date: 04-30-2020

Last Updated Date: 12-18-2019

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