

Start Lab

02:00:00

Overview
Setup
Create Storage Bucket
Launch AI Platform Notebooks
Clone course repo within your AI Platform Notebooks instance
Feature Engineering
End your lab

2 hours

Free

★★★★☆

Rate Lab

## Overview

Duration is 1 min

This lab is part of a lab series, where you go from exploring a taxicab dataset to training and deploying a high-accuracy distributed model with Cloud AI Platform.

## What you learn

In this lab, you will improve the AI model using feature engineering. In the process, you will learn how to:

- Work with feature columns
- Add feature crosses in TensorFlow
- Read data from BigQuery
- Create datasets using Dataflow

## 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**.
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 beginning.

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

TG959yrKDX

GCP Project ID

qwiklabs-gcp-0855e773352d3560

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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:

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**.

## Launch AI Platform Notebooks

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## 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.