

CHAPTER 7

Google Colaboratory

Google Colaboratory more commonly referred to as “Google Colab” or just simply “Colab” is a research project for prototyping machine learning models on powerful hardware options such as GPUs and TPUs. It provides a serverless Jupyter notebook environment for interactive development. Google Colab is free to use like other G Suite products.

Starting Out with Colab

The following steps provide a walk-through for launching a Notebook on Google Colab:

1. Go to <https://colab.research.google.com/> and log in using your existing Google account to access the Colab homepage (see Figure 7-1).

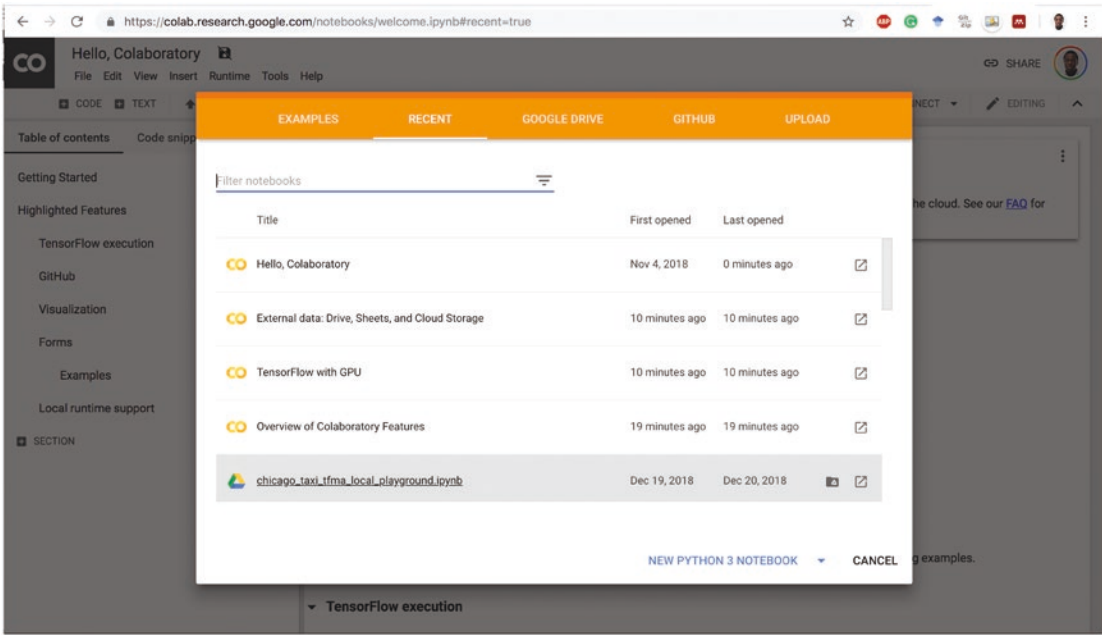


Figure 7-1. Google Colab homepage

- 2. Open a Python 3 Notebook (see Figure 7-2).

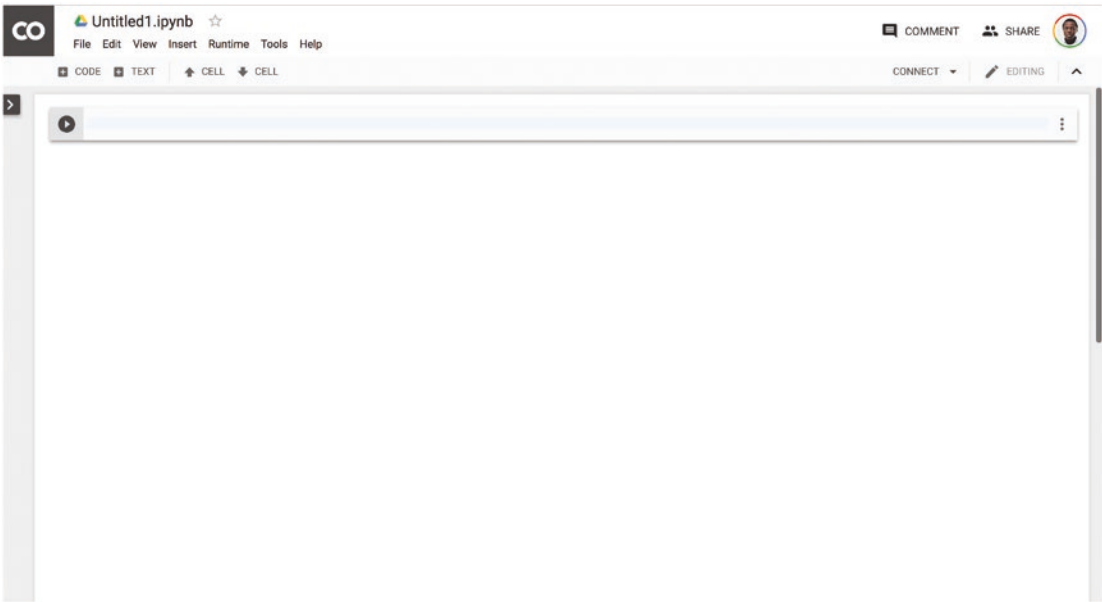


Figure 7-2. Python 3 Notebook

Change Runtime Settings

The following steps provide a walk-through for changing the Notebook runtime settings:

1. Go to Runtime ► Change runtime type (see Figure 7-3).

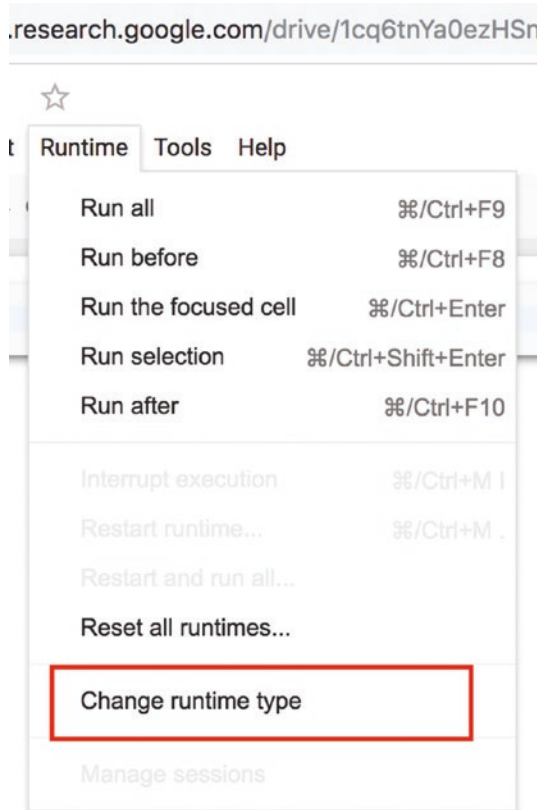


Figure 7-3. *Python 3 Notebook*