

## Setting Up Google Colaboratory

### Setting Up Google Colaboratory

1. Open a web browser and go to the Google Colaboratory website at <https://colab.research.google.com/>.
2. Sign in with your Google account. If you don't have a Google account, you will need to create one.
3. Once signed in, you will be directed to the Colaboratory homepage.
4. Click on "**New Notebook**" to create a new Colaboratory notebook.
5. In the "Untitled0.ipynb" notebook, you can start writing Python code in the code cells. You can also add text, images, and other content using Markdown cells.
6. To execute code in a code cell, click on the cell and either press the "Shift + Enter" keys or click on the "Play" button in the left margin of the code cell.
7. Colaboratory notebooks are stored in your Google Drive. You can access them from the "File" menu and save them to your Google Drive for future use.
8. You can install additional Python packages using the "!pip install" command in a code cell.
9. Colaboratory provides free access to GPU and TPU (Tensor Processing Unit) resources for running deep learning models. You can select the runtime type and hardware accelerator from the "Runtime" menu.
10. You can collaborate with others on a Colaboratory notebook by sharing the notebook link or by using the "Share" button in the top right corner of the notebook.
11. Colaboratory also supports version control using Git and integration with Google Sheets, BigQuery, and other Google Cloud services for data analysis and machine learning tasks.
12. Once you are done using Colaboratory, you can close the notebook and the runtime session by selecting "File" > "Close Notebook" or "Runtime" > "Factory Reset Runtime" respectively.

#### *Note:*

Google Colaboratory requires an internet connection to run, and any changes made to the notebook are only saved in your Google Drive. Make sure to save your work to your Google Drive or download the notebook as needed.

If troubleshooting and support is required, please contact that Data Science Helpdesk to resolve<sup>1</sup>. Click [HERE](#) to schedule a meeting with the Helpdesk!

---

<sup>1</sup> This document was last updated on April 24, 2023