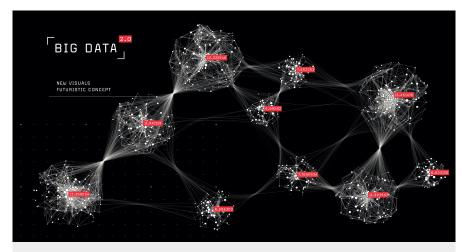


Data Science in Action using Python

An AAII Artificial Intelligence – Technical Track Course



Setup Sandbox

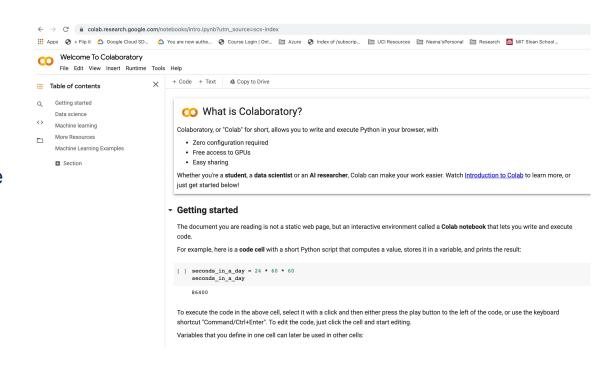
Google Colab Installation and Setup

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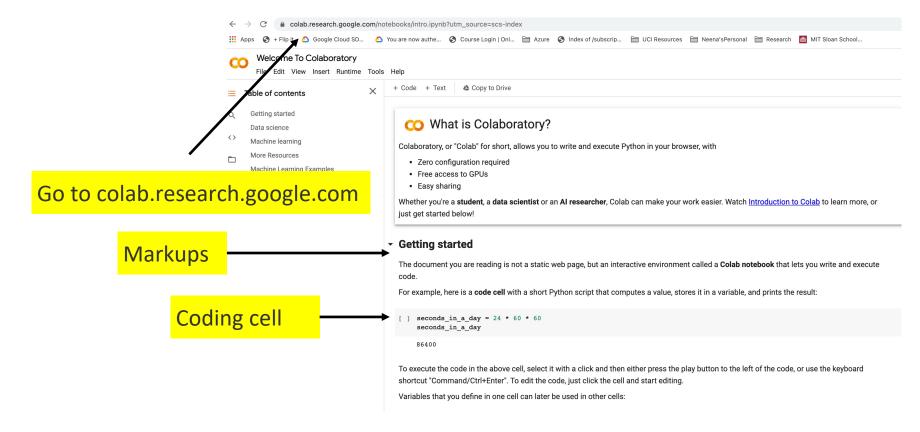
Google Colab Setup

- 1. Access Google Colaboratory
- 2. Google Drive for data files
- Upload Sandbox files to Google Drive
- 4. "Hello World" notebook





Access Google Colab

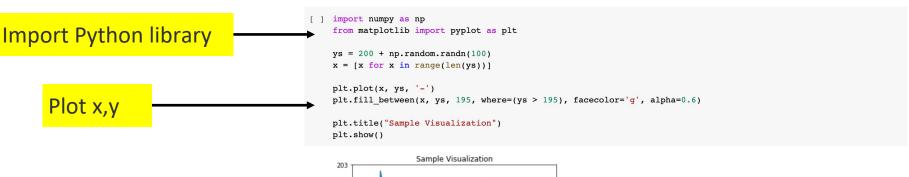


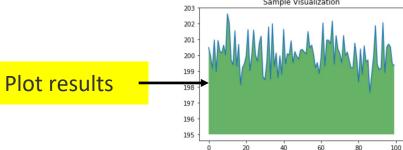


Access Google Colab

Data science

With Colab you can harness the full power of popular Python libraries to analyze and visualize data. The code cell below uses **numpy** to generate some random data, and uses **matplotlib** to visualize it. To edit the code, just click the cell and start editing.







Access Google Colab

More Resources

Working with Notebooks in Colab

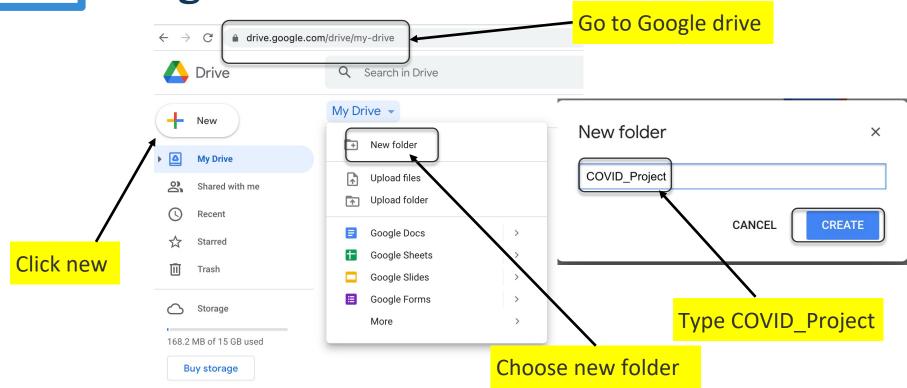
Import Python library

- Overview of Colaboratory
- Guide to Markdown
- Importing libraries and installing dependencies
- Saving and loading notebooks in GitHub
- Interactive forms
- Interactive widgets
- TensorFlow 2 in Colab

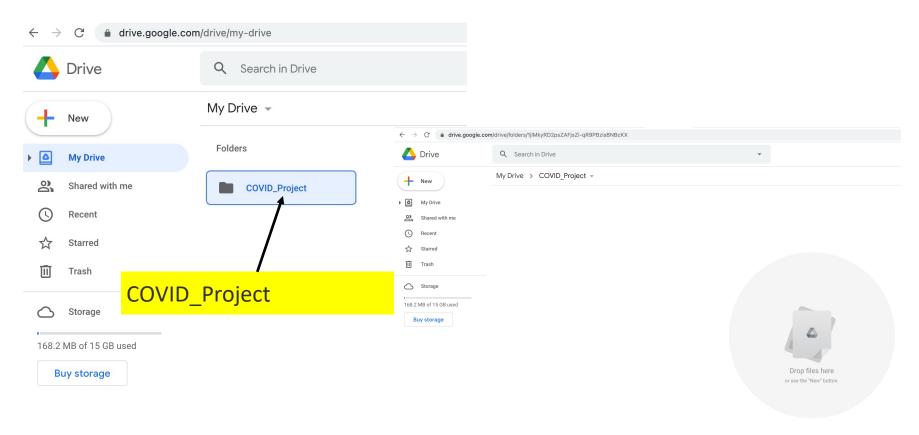
Working with Data

- Loading data: Drive, Sheets, and Google Cloud Storage
- · Charts: visualizing data
- Getting started with BigQuery

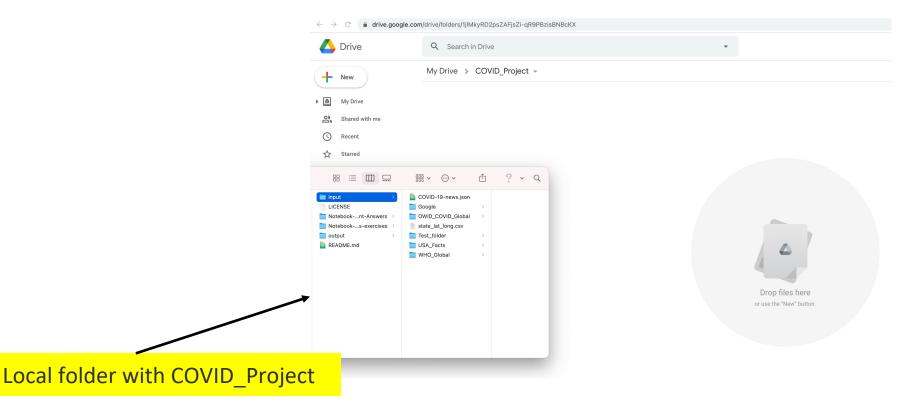




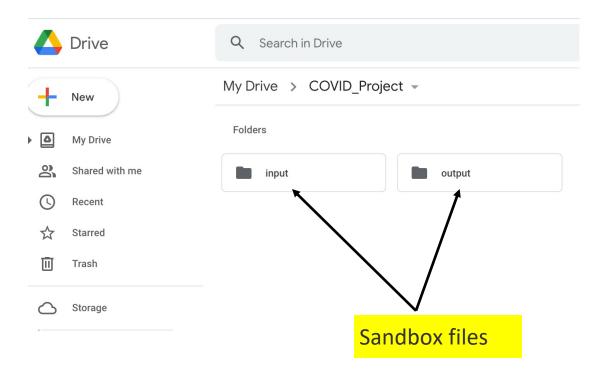














Select sample notebook

More Resources

Working with Notebooks in Colab

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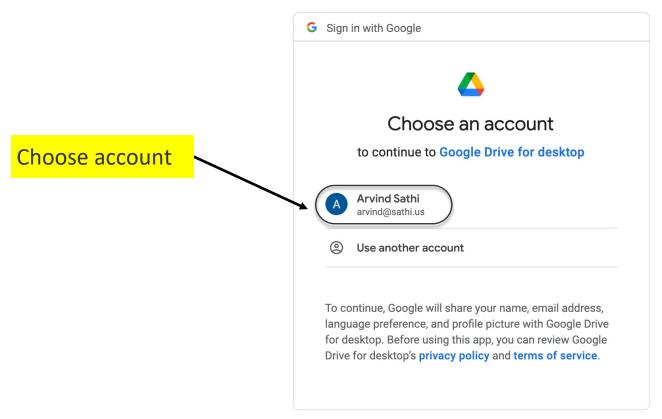
Working with Data

- <u>Loading data</u>: <u>Drive</u>, <u>Sheets</u>, <u>and Google Cloud Storage</u>
- Charts: visualizing data
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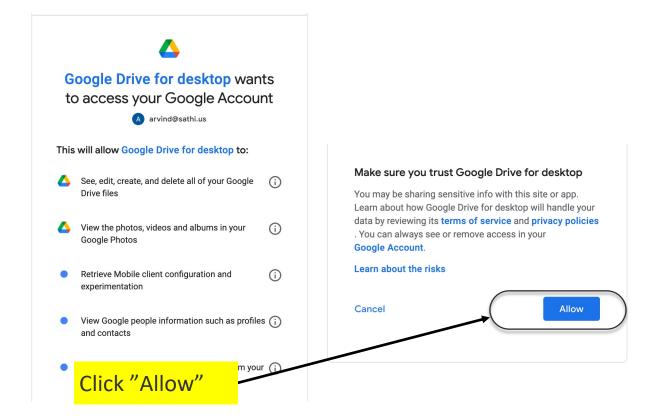
















Sign in

Please copy this code, switch to your application and paste it there:

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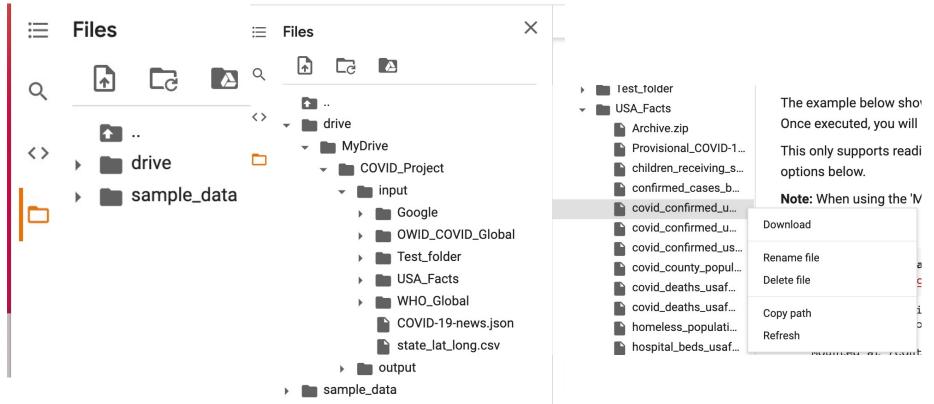


from google.colab import drive
drive.mount('/content/drive')

Mounted at /content/drive

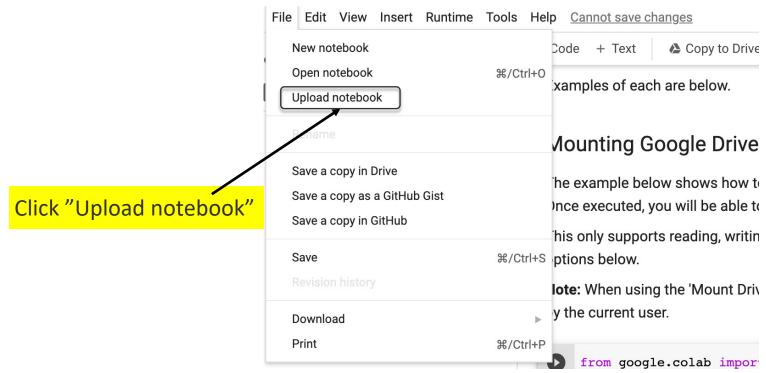


Google Colab Access to Drive





Upload Notebook





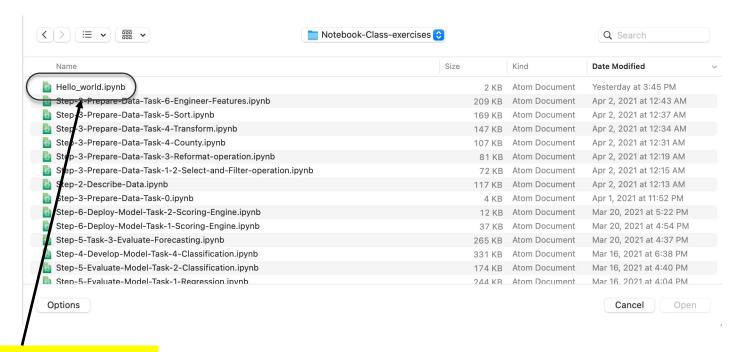
Upload Notebook



Click "Choose file"



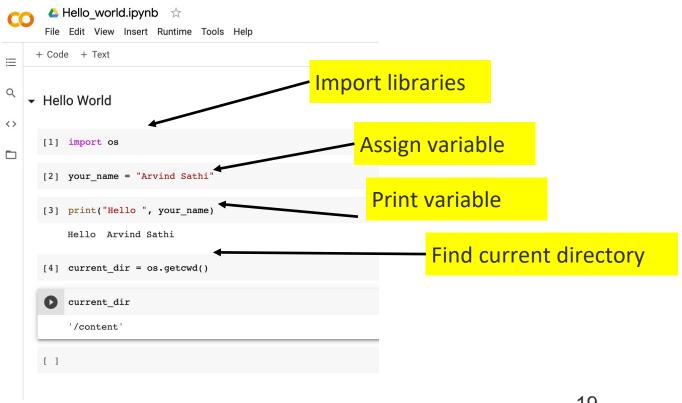
Upload Notebook



Click "Hello_world.ipynb"



Start Anaconda





Google Colab Setup Summary

- 1. Access Google Colaboratory
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