

Name:

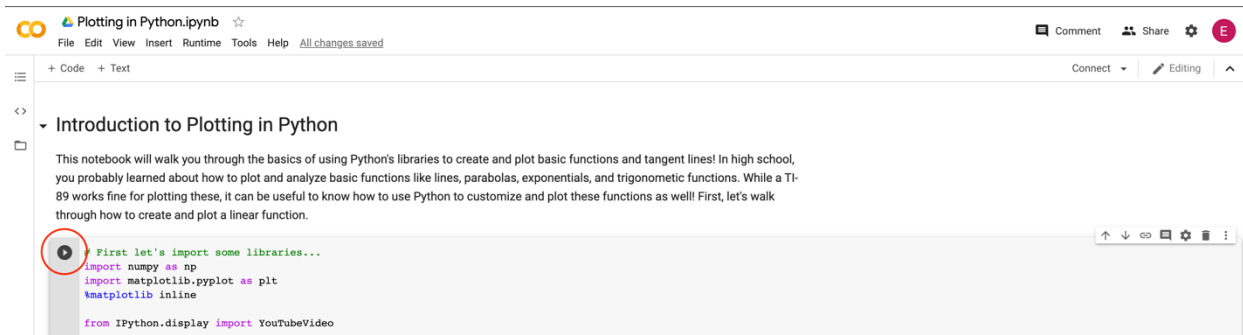
Date:

Class:

Analyzing Brain Waves Jupyter Notebook Worksheet

Directions

Open the file **AnalyzeBrainWaves_NOTEBOOK.ipynb** in [Google Colaboratory](#) by selecting “File->Open Notebook” (NOTE: You will need a Google Account to use Google Colaboratory.) Read each cell (block) of text and run each cell of code by clicking the play button on the left side of the block as indicated by the red circle in the figure below.



Important note: The data you will examine in this worksheet is **actual EEG data** collected for research. This data will not perfectly resemble the waves we saw in the slides—there is noise in the data, making it harder to read. When you complete this notebook and worksheet, keep this in mind!

As you read, watch, and run each cell, answer the following questions. This is a graded assignment.

1. **EEG Background.** Watch the video “Ride the (Brain) Wave” by Brainfacts.org that is linked in the notebook.
 - a. List and briefly describe the five types of brain waves discussed in the video.
 - i.
 - ii.
 - iii.
 - iv.
 - v.

