**Using Google Colab with CSE6040 Data Analysis in Python Bootcamp Notebooks**

1. Click the link provided for the Jupyter Notebook.
   1. The notebook will open in your browser in Google Colab.
   2. It will look similar (but not identical) to the Jupyter Notebooks in Vocareum.
   3. The main differences are as follows:
      1. The “Cell” and “Kernel” menus in Vocareum are replaced by the “Runtime” menu in Colab.
      2. The kernel in Vocareum is called the runtime in Colab.
      3. The “Widgets” menu in Vocareum is replaced by the “Tools” menu in Colab. You should rarely, if ever, use either of these menus.
2. You can edit code, add/delete cells, and all of the normal coding operations in Colab that you do in Vocareum.
   1. The active cell has a context menu in the top right, that allows you to take different actions in and on the cell.



1. **You ARE NOT able to save your changes/code edits within Colab.** If you wish to save your changes, you must either:
   1. Save a copy to your Google Drive (if you have one), or
   2. Download to your local computer.
   3. Both options are under the “File” menu item.
2. You can run the notebook, and cells within it, via two options.
   1. The “Runtime” menu has multiple options for running code within the notebook.
   2. Each individual cell with executable code in it has a “Run Cell” button (black circle with white arrow) on the left of the cell, when the cell is active/highlighted.
3. The menu on the left has 4 items:
   1. Table of Contents – Shows the organization of the notebook
   2. Search – To find text in the notebook
   3. Variables – To see variable values in the notebook
   4. Files – To see the files associated with the notebook. By default, Colab downloads some files in the “sample\_data” directory. Know that we do not use any of those files for the class.