**Python for Data Analysis and Visualization (Spring 2024)**

**Claudia Carroll (TRIADS)**

Participant Pre-assessment

This test is designed to assess your level of knowledge before the start of the class. It is perfectly acceptable to write “no idea” for every answer!

1. Write the code to open a csv file titled “test\_data.csv” in write format (not using Pandas).
2. Write the code to open a csv file titled “test\_data.csv” in read format with Pandas
3. Write the code to merge two spreadsheets, one titled “test\_data.csv” and one titled “second\_sheet.csv” on a column with the header “Cost”
4. Write the code to calculate the average of all the values in column A of a CSV file
5. Write the code to replace all null values in a row ‘X’ of a datafram ‘df’ with the number 0
6. Write the code to use the Seaborn library to create a trend line graph from a dataframe assigned to the variable ‘df’, with the column ‘Years’ as the x-axis and the column ‘GDP’ as the y-axis