**Final Project Report**
**IST652 - Scripting for Data Analysis**
**M002: Spring 2022**
<span style="color:red">**Due: Monday, May 9th, by midnight**</span>

**Purpose**
For this assignment, you are executing the project plan proposed earlier in the semester by developing Python scripts and creating a project report to describe the process. For more details about the proposal requirements, see *IST652_FinalProjectPropal.pdf.* In addition, incorporate any modifications discussed with the professor.

**Final Project Program [10 points]**
You will demonstrate your ability to write Python scripts to access and amass data from fields in one or more of the three types of data studied in the course and prepare the data to produce summaries, lists and other structures for analysis. The grading will be broken down as follows:
- The code successfully accomplishes the goal of the proposal [**5 points**]
- The code is at least as complex as the mini-projects **[3 points]**
- The code is well documented using comments [**2 points**]

**Final Project Report [10 points]**
In addition to carrying out the project, you must write a final project report. In this report, you must:
- Describe in detail the data and its source(s). [**1 point**]
- Describe any preprocessing that needed to take place, and why. [**2 point**]
  This may include:
  - Cleansing/Purging of messy/incomplete data
  - Aggregation or summarization of data
  - Combining different data sets
- Describe your methods of analysis. [**2 point**]
  This includes:
  - The questions that are to be answered
  - Which fields in the data are used
  - How the results of the analysis are collated
- An overall description of the *Python* program. [**2 point**]
- Documentation of the output of the Python program. [**1 point**]
- Draw conclusions from your results about your data. [**2 point**]

**For Groups**
- If your project is a group project, describe the tasks and roles of each member.