**GEORGE MASON UNIVERSITY**

**THE VOLGENAU SCHOOL OF ENGINEERING**

**SYST 230 Object-Oriented Modeling & Design**

**Project 3:** Pandas package

Total Points: 100 Points

Extra Credit = 15 Points

**Due Date**: 11/29/2021

**Purpose:** This assignment provides you with practice in doing some data analysis using the Pandas package and graphing using Matplotlib. It is assumed that you have mastered the Python Bootcamp concepts and can apply your knowledge of Python and basic scripting to explore some publicly available datasets.

* Honor Code: This is a group assignment. You can ask the TA and Instructor if you have questions regarding the homework. It is expected that each member of the group will attempt all questions.
* Coding Style Guidelines: You need to turn in syntactically correct and working programs. Please follow the coding guidelines provided in the link below while writing Python code. It is a coding best practice to stick to coding guidelines and write well-documented and consistent code. <https://www.python.org/dev/peps/pep-0008/>

**Submission Guidelines**: Please do the following to submit your solutions:

1. Homework Guidelines: **Please start your work early as it takes time to understand and debug programs.** Homework assignments cannot be completed in a single sitting.
2. Homework Deadlines: You need to complete your work on time. No extensions will be given for this assignment.
3. Homework Work Package: Please keep all your notebooks and data in a single directory and follow the naming convention HWXX\_First\_Last.zip
4. Solution Notebooks: Submit your solutions as **Juypter Notebooks**. Name the solutions files as **HWXX\_Problem\_YY .ipynb** for Jupyter notebook files.