ENSF 592 P22 Project Rubric (100 marks, 30% of overall grade)

Your code must successfully compile to be graded. Code that does not compile will be given a grade of zero. For compiled code, partial marks may be given for each criterion listed below. You must pass the project to pass the course.

RUBRIC	100%	> 90%	> 80%	> 70%	> 50%	0
Data Handling (20%)	At least three separate datasets are merged into a large set with a minimum of ten columns and 200 rows. Program does not not modify the Excel files directly. No information is hard-coded/copy-pasted except for the Excel column names. Data is stored as a multi-indexed DataFrame. Two merge/join operations are used and all duplicated columns/rows are deleted. Data is sorted according to the indices.	At least three separate datasets are merged into a large set with a minimum of ten columns and 200 rows. Program does not not modify the Excel files directly. No information is hard-coded/copy-pasted except for the Excel column names. Data is stored as a multi-indexed DataFrame. Two merge/join operations are used. Data is sorted according to the indices.	At least two separate datasets are merged into a large set with a minimum of ten columns and 200 rows. Program does not not modify the Excel files directly. No information is hard-coded/copy-pasted except for the Excel column names. Data is stored as a multi-indexed DataFrame. A merge/join operation is used. Data is sorted according to the indices.	At least two separate datasets are merged into a large set with a minimum of ten columns and 200 rows. Program does not not modify the Excel files directly. Data is stored as a multi-indexed DataFrame. A merge/join operation is used. Data is sorted according to the indices.	At least two separate datasets are mergeds. Program does not not modify the Excel files directly. Data is stored as a DataFrame. A merge/join operation is used.	Fails to meet minimum specs.

User Interface and Execution (25%)	User is given clear guidance on how to enter the two required input values. If invalid input is provided, a exception is used to prompt for re-entry without terminating the program. Clear headers are used to separate all output and data is presented in the correctly sorted order. Screenshots show the expected execution, including handling of incorrect input. An exported Excel sheet shows the entire indexed dataset and a plot is shown that correctly depicts an aspect of the data.	User is given clear guidance on how to enter the two required input values. If invalid input is provided, a exception is used to prompt for re-entry without terminating the program. Clear headers are used to separate all output and data is presented in the correctly sorted order. Screenshots show the expected execution, including handling of incorrect input. An exported Excel sheet shows the entire indexed dataset.			User is given clear guidance on how to enter the two required input values. If invalid input is provided, a exception is used to prompt for re-entry without terminating the program. Screenshots show partial execution.	Fails to meet minimum specs.
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Report (10%)	Report briefly describes the chosen dataset, summarizes the user interface input/output, and explains how the solution meets the given specifications. Minimal spelling or grammatical errors. An IEEE-style citation is provided for the chosen dataset.	Report summarizes the user interface input/output, and explains how the solution meets the given specifications. Minimal spelling or grammatical errors. A citation is provided for the chosen dataset.	Report summarizes the user interface input/output, and explains how the solution meets the given specifications. Several spelling or grammatical errors. A citation is provided for the chosen dataset.	Report summarizes the user interface input/output, and mentions how the solution meets the given specifications. Many spelling or grammatical errors. A citation is provided for the chosen dataset.	Report outlines how the solution meets the given specifications. Many spelling or grammatical errors. A citation is provided for the chosen dataset.	Fails to meet minimum specs.
Demo(10%)	Demonstration clearly explains how the solution meets the requirements including the user input/output. The dataset analysis is explained and the plot result is shown. Audio is clear and audible. Cameras are on or a professional headshot is shown as a profile picture. All team members participate in the demonstration and duration is less than 5 minutes. All members are able to answer questions about the program.	Demonstration shows all required functionality including the user input/output. The dataset analysis is explained and the plot result is shown. Audio is clear and audible. All team members participate and are able to answer questions about the program.	Demonstration shows all achieved functionality including the user input/output. The dataset analysis is presented. Audio is clear and audible. All team members are present.	Demonstration shows acheived functionality including the user input/output. Audio is clear and audible.	Demonstration shows acheived functionality. Audio is clear and audible.	Fails to meet minimum specs.