CIS 405
Assignment #3

See Canvas for due date/time

Introduction
Assignment #3 is a "science fair" type of assignment. Whereas Assignments #1 and #2 required you to closely follow instructions and reproduce in PowerBI what you learned on the instructional videos, Assignment #3 gives you the freedom to create a high-impact PowerBI file that will communicate key insights.

You have an Excel file on Canvas that you must use for your Assignment #3 dataset. Then you have some high-level guidance for your assignment described below that you must follow, and which is tied to the assignment grading rubric. But the specific visualizations; their placement on your PowerBI tabs; the data that you pull into each of your visualizations; and your accompanying analysis is totally up to you.

Assignment Specifications
1. Your PowerBI .PBIX file must contain a minimum of 2 tabs (PowerBI pages).

2. Each tab must represent a specific analytical theme from your dataset. For example, your first tab might be revenue- or profit-oriented, while your second tab might relate to product returns. Or your first tab might have a theme of product popularity, while your second tab is related to product returns. You can make the choice based on surveying the data, and then deciding what a business user or executive might need to know from the types of data being imported.

   Each of your tabs must be named with its theme by double-clicking the default name and then typing in "Profits" or "Defects" or whatever that tab's theme is.

3. On each tab you must:

   a. Have at least 4 different visualizations

   b. At least one of the visualizations must be a map-based visualization (e.g., geospatial)

   c. At least two of the other visualizations on each tab beyond your map-based one must be graphical in nature (e.g., pie chart; donut chart; stacked bar chart; etc.)

   d. Each of your visualizations must directly relate to the theme of that tab. For example, if Tab 1's theme is "product returns" then do have one or more visualizations on that tab that show revenue or profits broken down by city/state and also by quarter.

   e. Each tab must also have a text box in which you will type a concise description of key insights that the data and your visualizations on that tab tell you. Your description of the key insights should be around 2-3 sentences.