MIS 584 Assignment: Tableau (2)

**You will complete this assignment with your partner (i.e., groups of two students).**

Import the LabExercise\_Dashboard-RawData\_v1.xlsx to Tableau. Your first step is to become familiar with the data. Open the spreadsheet and examine the data. Think about what kind of data is listed and the potential uses of these data.

1. Now, assume you have been hired as the new data analyst for the Executive Board. You are asked to prepare information in the form of a dashboard for its upcoming meeting, in which the board will discuss the following business questions:

* How have sales developed in 2013 – compared to the year before?
* Who were our top 10 customers in 2013?
* What were our top 10 products in 2013?
* How were sales distributed over the regions?

Prepare an executive dashboard based on the data that the executive board members can use in their discussions of the company’s performance in 2013. Use appropriate visual elements and mark types to make the dashboard as useful, easy-to-use, and easy-to-understand as possible.

1. The board wants you to link the visual elements together such that they can, for example, click on one of the customers (on the 10 top customers diagram) to only see sales and products associated with that customer in the other charts on the dashboard. Make appropriate changes to the dashboard (or dashboard settings) to make this happen.
2. Now that you are familiar with the data, how to analyze them, and have prepared the requested dashboard, you decide to demonstrate further the value you can provide to the Executive Board by suggesting some additional business questions and their answers based on the data. Specify one additional question and provide a diagram showing the information needed to answer that question. Add the chart to the dashboard. Again, be sure to use appropriate elements such as marks, interactive filters, etc. to make the chart on the dashboard as valuable as possible.

**What to submit**: Each 2-person group must turn in answers to questions 1, 2, and 3 in the form of a word document submitted to Canvas. For each question, provide a screenshot that shows that you have done the task properly. Be sure to include all the important elements in your screenshots so that I can see what exactly you have done. For each question, you can also provide explanations on what you have done, if needed. In particular, for question 3, you should also provide the question that you propose (and try to answer using the diagram). Be sure to include your name in your word file. This will be due at 5:00pm October 2nd.

**Videos to watch:**

* Visual Analytics
  + Interactive Filters
* Dashboards and Stories
  + Getting Started with Dashboards and Stories
  + Building a Dashboard
  + Dashboard Layouts and Formatting
  + Dashboard Interactivity Using Actions

What category of product does customer order and in what quantity and in what month?