**Documentation**

Part 1: Cleaning the Data:

After I imported all the different libraries and set the different formats, I imported the data.

I really like the part of cleaning the data. I like the idea of making sure that everything is consistent. I didn’t have particular hard time in cleaning the data. I decided to follow the examples we did in class. I only encountered a problem while cleaning the Order ID column. I couldn’t make the FOR-loop work so, after googling a little bit I decide to create a group by, see the erroneous items and use the replacement function to replace the data. Then, I just eliminated all the null items and doubled check for any another error.

### Part 2: Exploratory Data Analysis with Reports & Visualizations:

This is the part where I have had some difficulties. On question number 1, I was convinced I had to create a new data frame other the one that I had already created. At first it worked, but then it stopped working. I spent probably 2 hours trying to catch the mistake. Then, you made me realize that I didn’t need that data frame at all. And after I took it off, everything started working again. I have to say, most of my codes came up by googling how to do things. I think I have pretty good base that helped me understand the question and then look for the answer, interpret it and adjust it to my needs.

# Part 3: Cross-Reference Statistics:

For this part, I recalled the csv file where I had the clean data and then I decided to go for reading a new dictionary. One, I did that I wrote the file as a new csv, but I realized that the format wasn’t correct. After some googling, I decided to use itertool and zip the values together so the I could create a csv file with the correct format.

I did do a lot of googling and I had moment where I just wanted to quit and be done with this project, but at the end I really enjoyed doing the project and it has thought me a lot. I feel more confident I can do this a job in the future.