Hands On Exercise 4: Basic Statistics and Visualization

Import the WidgeOne dataset.
Using SQL extract only Plant, Productivity, Job Satisfaction and Years On Job.
Rename “Plant” to “Location”.
Change the Location names from N and D to “Norcross” and “Dallas”.
Using SQL, determine the average Productivity Level by Location.
Create a Pie Chart of Location. Use Red for Norcross and Blue for Dallas. Include the appropriate labels including percent and count.
Create a cyan-colored Histogram of Productivity. Include appropriate labels/titles.
Create a scatterplot of Productivity and Years on Job. Include appropriate labels/titles. Would you consider these two variables to be related?
Create a new ordinal character variable from Productivity with three levels – high, medium and low. (Use the information from the histogram to determine the cut offs)
Create a horizontal bar chart of the new productivity variable. Include appropriate labels and titles.