

**Spring 2021**

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**University of Central Florida  
College of Business**

**QMB 6911  
Capstone Project in Business Analytics**

**Solutions: Problem Set #5**

## **Scatterplot Matrices**

### **Scatterplots of Numeric Variables**

Figure 1 depicts a matrix of scatterplots of the numeric variables in the dataset.

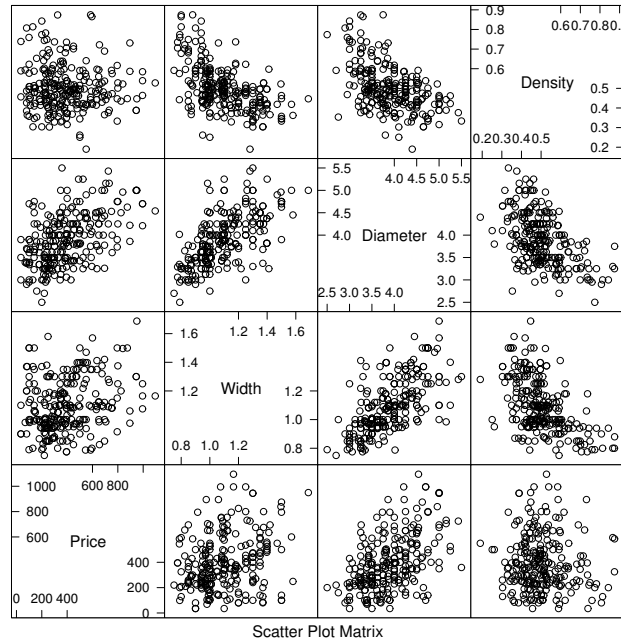


Figure 1: Scatterplots of Numeric Variables

## Scatterplots with Categorical Variables

Figure 2 depicts a matrix of scatterplots of with categorical variables in the dataset.

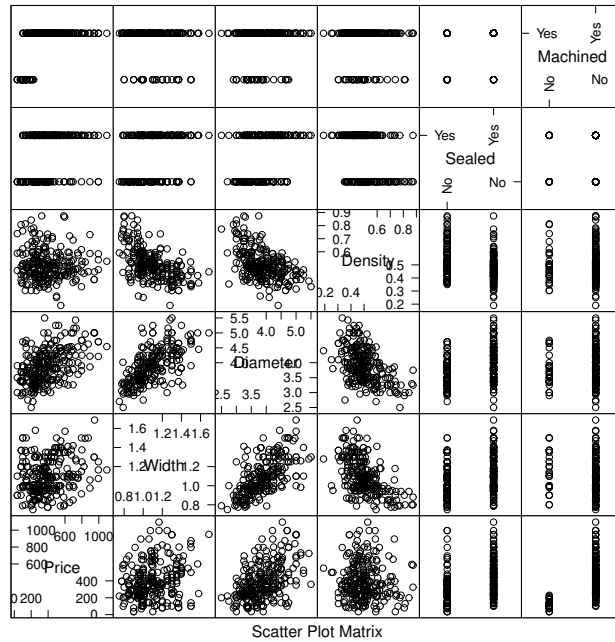


Figure 2: Scatterplots with Categorical Variables

Figure 3 depicts a matrix of scatterplots with a categorical variable for the design combinations of the fly reels: a fly reel is either sealed or unsealed and either machined or cast.

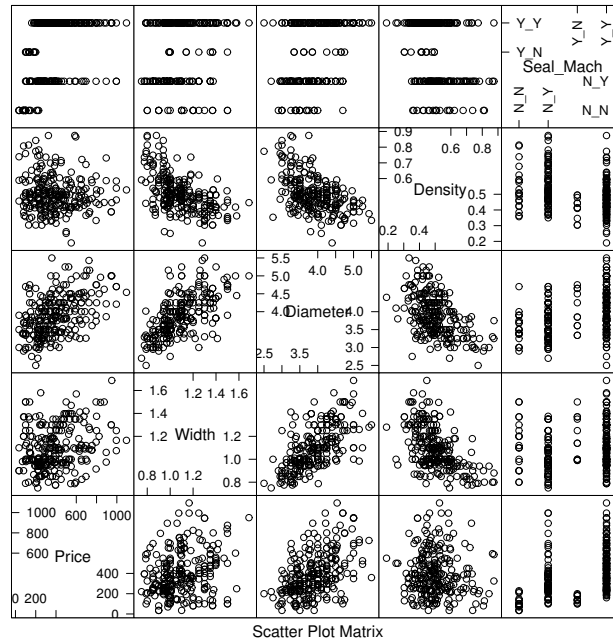


Figure 3: Scatterplots of Numeric Variables

### Scatterplots by Country of Manufacture

Figure 4 depicts a matrix of scatterplots of the variables in the dataset with the points color-coded by country of manufacture.

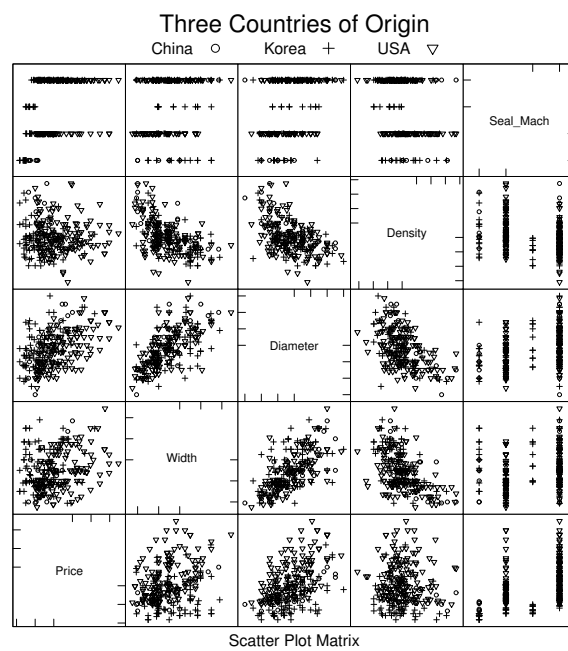


Figure 4: Scatterplots by Country of Manufacture