Data Exploration 1

Soil Typing

9/20/22

Scatterplot

Scatterplots show all of the data points. The scatterplot of bill length below shows that the penguins are broadly divided into two clusters of bill length, where one cluster can be broadly described as having bill lengths less than 45mm and the other having bill lengths greater than 45mm.
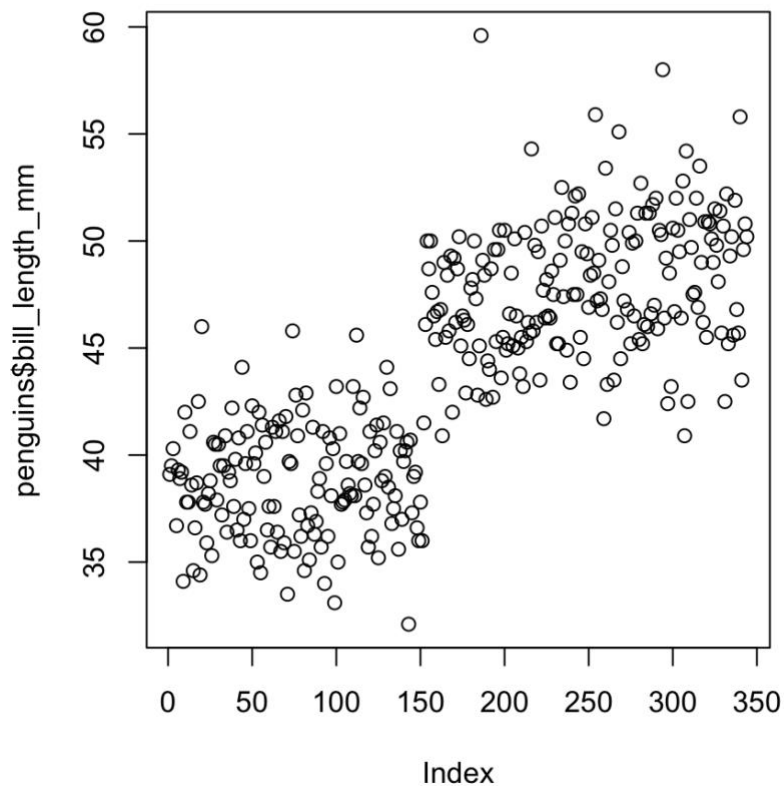

Figure 1. Scatterplot of penguin bill length.

Boxplot

Box plots show an aggregate or summary view of the data. Our boxplot is showing the relationship between body mass of penguins and island they are on. Data is grouped by island. Within each island box plot the data looks evenly distributed. Body mass distribution on islands of Dream and Torgersen are more similar to each other than Biscoe.
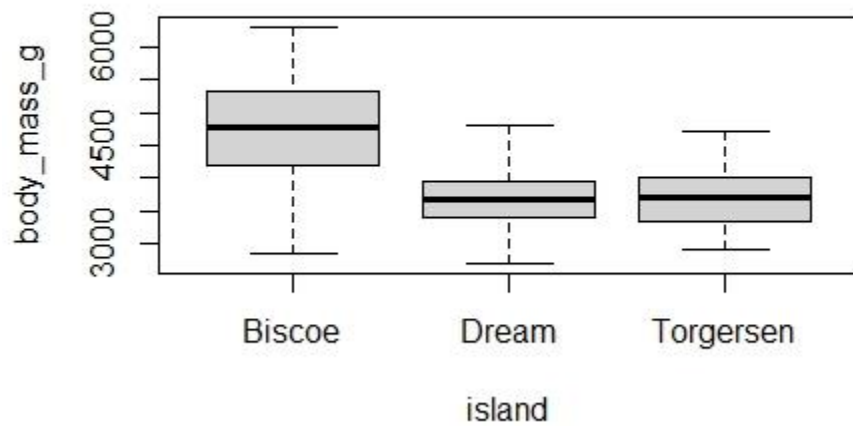

Figure 2. Boxplot of penguin body mass by island region.