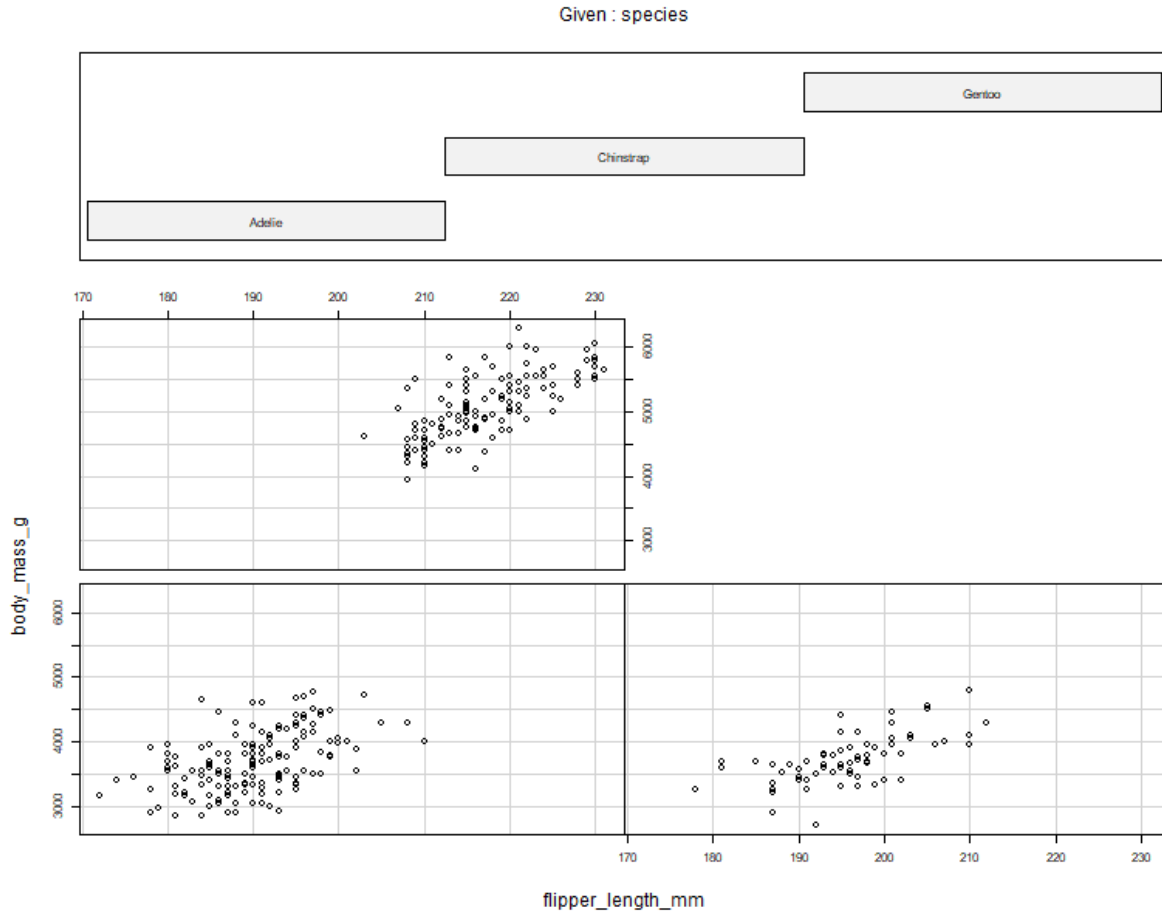


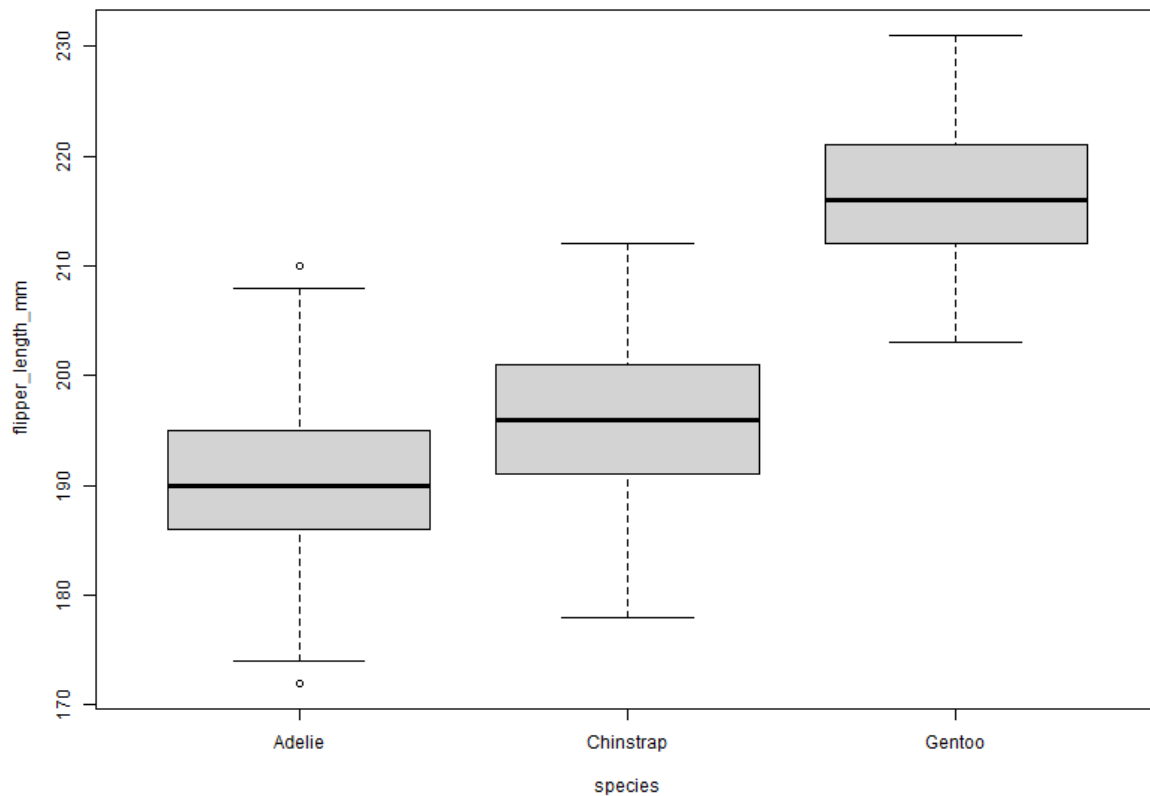
Data Exploration 2

Remote Learning Students- Mercy and Chloe

Coplot:



Boxplot:



The coplot in the lower portion (showing the three scatterplots) is showing all of the data points. However, the top portion of the coplot gives a summary of the data points by flipper length, body mass, and species. From the data, you can see trends that are occurring between two or more variables. For example, in the coplot showing flipper length and body mass, there is a general positive trend between body mass and flipper length (i.e., as body mass increases, flipper length does as well). You are also able to see whether species play a role in these penguin physical characteristics.

The boxplot shows a summary of the data using means, minimums, maximums, and quarter values. Overall, the data in the plot seem mostly evenly distributed with a skew towards longer flipper length in one of the species. The plot suggests that while the Adelie and Chinstrap species have similar flipper lengths, the Gentoo species has generally much longer flippers. The ranges of values do overlap, however, so further statistical tests would be needed to quantify this difference.