Module 5 challenge

Analysis

-Strong and positively correlated (0.84), the relationship between mouse weight and tumor volume is between the two variables. This demonstrates that when the mouse weight increases, so does the tumor volume. Capomulin falls into this category; other drug regimens are not examined.

-The relationship between the Timepoint and Tumor Volume is depicted by the line plot for capomulin. There is a significant negative correlation (-0.74), indicating that the tumor volume decreases as the number of days rises.-

-There are 31 probable outliers for Infubinol across the four drug regimens provided. The outliers are placed below the First Quartile, as shown by the boxplot.

Capomulin has the highest and Propriva has the lowest number of mice, as seen by the bar graph. Over the entire data set, the proportion of male and female mice is roughly the same.