

Summary of study results

- The correlation coefficient for mouse weight and average observed tumor volume for the entire Capomulin regime is 0.84, indicating a strong positive correlation between the two variables. Based on the regression analysis, for every one gram of increase in mouse weight, the average tumor volume will increase by 0.95 mm³ for the entire Capomulin regime.
- Among the Capomulin, Ramipril, Infliximab, and Ceftazidime treatment groups, only the Infliximab treatment group has a potential outlier. The Ceftazidime treatment group has the largest interquartile range of final tumor volume while the Capomulin treatment group has the smallest interquartile range of final tumor volume.
- The distribution of female vs male mouse is pretty even.
- The Ketoprofen treatment group has the highest median and average tumor volume. While the Ramipril treatment group has the lowest median and average tumor volume