Jack Harvey

Mouse and Drug Data

From the data provided it can be noted that the only drugs that reduced the volume of the tumor were the drugs Capomulin which saw a 19% decrease in the average volume of the tumor. And Ramicane which saw a 22% decrease in the average volume of the tumor. While all other drugs, and the placebo, caused the average tumor volume to increase throughout the course of the tests.

Another conclusion that can be seen in the data provided is the fact that the survival rate of mice who were given Capomulin and Ramicane were the highest and the survival rates of the mice given Propriva had the lowest survival rate. Even the placebo had higher survival rates than both Infrubinol and Propriva.

Lastly, the drug that saw the greatest increase in the average volume of the tumor was Ketapril which got up to a volume of 70mm with the highest percent change of 57%. While the drug also saw the highest average number of Metastatic Sites at the last timepoint. Ketapril did not have the lowest survival rate but the was very close to the lowest.