## Observations and Insights

In this study, 249 mice identified with SCC tumor growth were treated through a variety of drug regimens. Over the course of 45 days, tumor development was observed and measured.

There is a short analysis of received data:

1. By looking at the bar chart, we can understand the number of mice which are used for this test in Capomulin and Ramicane are more than others and Propriva has the least number of mice.
2. According to the pie chart 50.6% of samples are male and 49.4% are female, which is an equal number of each sex in the study.
3. Displayed boxplot shows us Capomulin and Ramicane treatments have a better effect in reducing the tumor volume.
4. It can be inferred from the scatter plot that there is a strong positive relationship between weight (g) and average tumor volume (mm3) in Capomulin treatment, which means by increasing weight the tumor volume grows as well. The r-squared in this model is 0.70. In other words, 70% of data fits this mode.