# **Observations from the Pymaceutical Results**

1. **Even Sample Size and Gender Distribution to ensure consistency in results.**
   * From the bar graph, there are approximately 25 mice for each of the ten drug regimens.
   * From the pie chart, there is almost a 50% distribution amongst the male and female mice.
2. **Capomulin and Ramicane are the most effective drugs in reducing the tumor size.**

* All mice had a tumor size of 45 mm3 on Day 0.
* Based on the box plot diagram, some of the mice tumor size reduced to approximately 25mm3 and 22mm3 for Capomulin and Ramicane respectively.

1. **There is a positive correlation between the tumor size and weight for Capomulin.**

* The correlation coefficient is 0.84 which shows when the weight increases, the tumor size increases.