**Pymaceuticals Anti-Cancer Drug Regimen Analysis**

1. Ramicane appears to be the most effective drug regimen, however Capomulin does not differ significantly. The statistical analysis reflects that average/median tumor volume is less and the effectiveness has smaller deviation that other regimens**.**
2. There is a positive correlation between the weight of a mouse and the volume of tumors they will develop over the course of the treatment cycle. Thus, weight can impact the Capomulin treatments effectiveness.
3. There is not large variance in tumor volume results for Ramicane and Capomulin, although they do have a wider range of outliers for lower tumor volume. Alternatively, drugs like Ibifubinal and Ceftamin have wider distributions of tumor volume results over the testing period. Ibifubinal is more inclined to larger outliers on both the upper and lower tumor volume range. While Ceftamin has a tighter range of outliers.