

### Pymaceuticals Analysis

Based on my statistical analysis of the mice given the various drug regimens I have come to the following conclusions:

- Mice treated with Capomulin show to have a decrease in tumor volume over time. This is an indicator of the successfulness of the drug.
- There is a positive correlation between timepoint and metastatic sites. Also, tumor volume and weight have a positive correlation as well. As one increases or decreases, so does the other.
- From my regression table, the  $R^2$  value tells us that this model is a .709, wich means it has a pretty solid “goodness of fit”. The AIC and BIC are also low, which is an indicator of the model being a good fit.

I came to these conclusions by creating line, bar, and pie charts.