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Matplotlib Homework – The Power of Plots

**Top 3 Observable trends based on the data**

1. One of the observations I noticed was that Drug Regimen “Capomulin” had the greatest number of mice at 230 and on the other hand “Propriva” had the least number of mice at 148.
2. Out of all the Drug Regimen, the best 1 and 2 drug regimen observed to be Capomulin and Ramicane, which helps reduce the size of tumors in greater number of mice better than the rest of drug regimen.
3. According to Regression Analysis, there was an upward trend when comparing the weight of the mice to average tumor volume. Every time mice gains or loses weight, the average tumor volume changes as well. Also, the r-squared rounds out to 0.71, which means that 71% of the data fits the data model, and the higher r-square indicates very small number of differences between the observed data, and the measured value.