Three Observations based on data visualization

1)The first graph (“Tumor Response to Treatment”) shows us that the tumor volume of mice taking Capomulin had decreased over the trial period compared to the other three drugs. Mice taking Ketapril had the highest tumor volume growth.

2)The second graph (“Metastatic spread During Treatment”) shows us that throughout the trial period all tumors had metastasized with all four drug treatments. The mice taking Capomulin had the lowest metastatic spread throughout the forty-five days compared to the other three drugs. Mice taking Placebo had the highest metastatic spread.

3) The third graph (“Survival During Treatment”) shows us that the survival rate of the mice taking all four drugs decreased over the trial period. However, mice taking Capomulin had a survival rate that is over 80% compared to mice taking the other three drugs which had a survival rate lower than 50%. Overall, looking at all the graphs including the last graph (“Tumor Change over 45 Day Treatment”) we can conclude that the drug Capomulin had a better effect on the tumor compared to the other three drugs.