Summary of the analysis:

1. The number of subjects under test for each drug regimen was around
2. The subjects under test were also chosen equally among the different genders (Male:50.6%, Female: 49.4%)
3. The data is clean among the four drug regimens Capomulin, Ramicane, Infubinol and Ceftamin. There were only 3 outliers found in the 4 drug regimens

* Values for Drug Capomulin below 26.714832162499995 and above 55.9711007025 are the outliers

Potential outliers:

190 25.472143

223 23.343598

* Values for Drug Ramicane below 24.18658646249998 and above 57.48804812250001 are the outliers

Potential outliers:

446 22.050126

* No outliers in drug study data for Infubinol and Ceftamin
* Values for Drug Infubinol below 32.309217298749985 and above 72.31757996875001 are the outliers

There are no outliers identified

* Values for Drug Ceftamin below 32.818911426250004 and above 71.19095325625 are the outliers

There are no outliers identified

1. Drug Capomulin showed positive results in the subject with Mouse ID s185 over time as the tumor column decreased over time
2. There is a positive correlation between the variables weight and the column of the tumor, it is evident from the linear regression line that the tumor volume increases with weight