**Analysis**

Summary and conclusions from the data analysis: There was a positive correlation between mouse weight and tumor size with a correlation of 0.84. It would be wise for the mice to have a healthy weight in order to improve tumor size.

Capomulin and Ramicane drug regimens were the best performing with the lowest tumor size mean and the lowest standard deviation. Ketapril was the worst performing drug regimen with the highest tumor size mean and the highest standard deviation.

Capomulin drug regimen was effective in decreasing tumor size in mouse I509 over time. This conclusion is illustrated in the line plot below.

Further research into Capomulin and Ramicane drug regimens should be conducted to improve efficiency.