Nick Kelly

Pharmaceutical Final Analysis

**Out of the drugs analyzed, Ramicane seems to be the most promising**

Ramicane had the lowest mean tumor volume at 40.22 mm, with a low variance and standard deviation. When tested alongside the other four top-performing drugs, Ramicane continued to perform well, with a low IQR and no outliers.

**Tumor volume is strongly correlated with mouse weight**

The R-value of average tumor size to average mouse weight is .842, with a P-value far lower than .1. This indicates that average mouse weight should be controlled for in future tests, as it could serve as a confounding variable.

**The studies did a good job controlling for sex**

The ratio of male to female mice used was nearly 1:1, suggesting that the labs conducting these tests did a good job of controlling for sex in their work.