Based on the tumor volume data, Capomulin and Ramicane appear to be the most effective drug regimens since they reveal the lowest mean and median tumor volume. Also, both regimens exhibit smaller variance and standard deviations compared to other treatments such as Infubinol and Ceftamin. These statistics suggest more consistent tumor reduction within the treatment groups.Top of Form

The linear regression within the scatter plot showcases a strong positive correlation between mouse weight and average tumor volume under the Capomulin regimen. This means that mice with more weight have large tumor volumes.

Within in the box plot of tumor volume distribution demonstrates that Infubinol has an outlier and wider range in tumor volumes. This reflects greater variability in the effectiveness of this treatment.

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