**Pymaceuticals Synopsis**

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**KEY POINTS**

# 3 Observations

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#1 - Lineplot

# The Capomulin Drug Regimen Average Tumor Volume (mm3) size shrunk from just over 1,100 (mm3) to just

# under 800 (mm3) between Timepoints 0 and 45.

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#2 - Boxplot

# The Ramicane & Capomulin Drug Regimens yield better results than the Ceftamin and Ifubinol Drug Regimens

# based on the Boxplot chart. Ramicane's median point is more centered (ie consistent) than Capomulin,

# while Capomulin's box (1st & 3rd quartiles) are a tighter fit.

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#3 - Correlation & Regression

# The Capomulin Drug Regimen has an 84.19% correlation between Weight (g) and Tumor Volume (mm3). This

# is a strong correlation. The slope is 95.44% Tumor Volume (mm3) to Weight (g) with a Tumor Volume (mm3)

# y-intercept constant of 21.55 (mm3).