Insights

1. From the image below on “Tumor Response to Treatment” we find that out of the 4 drugs only Capomulin is able to reduce the tumor (avg Tumor Volume reduces from 45 mm3 to about 35 mm3) over the 45 day period making it the most effective treatment drug for this condition. The error bars also indicate high predictability as the spreads are low of this data for all drugs as there is not much volatility in the data (see dfSEM2).

A close up of a map

Description automatically generated

1. From the image below on “Metatstatic Spread” we find that out of the 4 drugs Capomulin has the least metastatic spread (avg spread increases from 0 to 1.5) over the 45 day period again making it the most effective treatment drug for this condition.

A close up of a map

Description automatically generated

1. From the image below on “Survival” we find that out of the 4 drugs Capomulin has the highest survival in mice (of the 100 mice at the start more than 80 survived at the end) over the 45 day period again making it the most effective treatment drug for this condition.

A close up of a map

Description automatically generated

1. From the image below on “Tumor Change” we find that out of the 4 drugs only Capomulin is able to shrink the tumor by 19% over the 45 day period again making it the most effective treatment drug for this condition.

A screenshot of a cell phone

Description automatically generated