# Tumor Response to Treatment

A screenshot of a map

Description automatically generated

Observations: Throughout the span of ~45 days, most of the drugs used to treat mice showed about the same *tumor response to treatment* while compared to placebo—except for *Capomulin*, which started showing significant results as soon as day 5 and continued gradually until it reached a whopping 61.53% difference in day 45.

# Metastatic Response to Treatment

A close up of a map

Description automatically generated

Observation: In this category, all drugs seemed to slow down the spread of *metastatic sites* when compared to placebo. Again, *Capomulin* seemed to perform better and with the least amount of standard error throughout the observation period.

# Survival Rates

A close up of a map

Description automatically generated

Observation: Unsurprisingly, the survival rate of mice only dropped ~3 percentage points (almost flat) with the use of *Capomulin*, as opposed to Placebo and even other drugs on the study. It is interesting to see that *Infubinol*—which was not the worst performer on the other plots—had the quickest/steepest decline in survival rate during this observation. This may indicate that—although somewhat effective—is probably the strongest drug of them all and thus, ends up doing more harm than good.

# Summary Bar Graph

A screenshot of a cell phone

Description automatically generated

Observation: It is crystal clear on this graph that the **only** effective drug at reducing tumor change in this study is Capomulin. Everything else is deemed ineffective.