**Pymaceuticals three observable trends**

1. Tumor response to treatment: Of the 10 drugs, Capomulin & Ramicane are the two drugs that decreases tumor volume. The average tumor volume decrease for Capomulin is from 45 mm3 to 36.2 mm3 while that for Ramicane is from 45 mm3 to 34.96 mm3. For the rest of the 8 drugs the average tumor volume increased.
2. Metastatic Response to Treatment: All mice groups had metastatic spread during the 45 days treatment. Ramicane treated group had the least spread followed by Capomulin treated group.
3. Survival Rate: After 45 days drugs of treatment Capomulin treated group of mice had the highest survival rate at 84% and Infubinol treatment group has the lowest survival rate at 27%.

Based on the analysis, Capomulin was the drug that showed the most reduction in tumor volume, slowest spread of metastatic sites and highest survival rates in the test group of mice. As the treatment showed consistently positive results in all areas of analysis, Capomulin is the one that I would recommend advancing to the next round of study.

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