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WUSTL Data Analytics Bootcamp

Matplotlib Homework

1. The first (and most obvious) conclusion drawn from the analysis of the four drugs is that only the mice taking Capomulin saw a reduction in tumor size (specifically, a 19.48% reduction in the measured size of the tumor in cubic millimeters. Capomulin also saw the highest rate of survival of the four drugs, as 21 of the 25 mice in that cohort were still alive after the 45-day period.
2. Although it was close, Ketapril appeared to have the least consistent results (i.e., the greatest standard error), peaking with an SE of 1.43 mm3 on day 45.
3. None of the drugs were able to completely stop the spread of metastatic sites, but Capomulin was again the most effective drug of the bunch, being the only drug to stay below two metastatic sites observed on average (max = 1.476)