Pymaceuticals, Inc

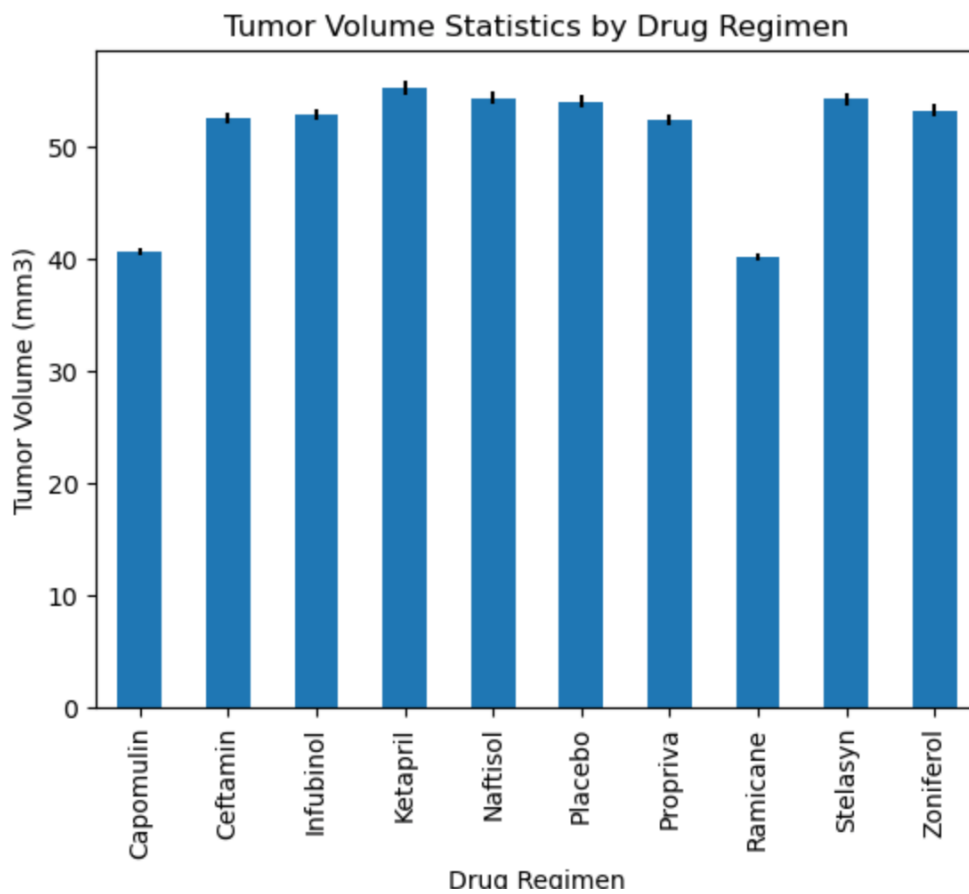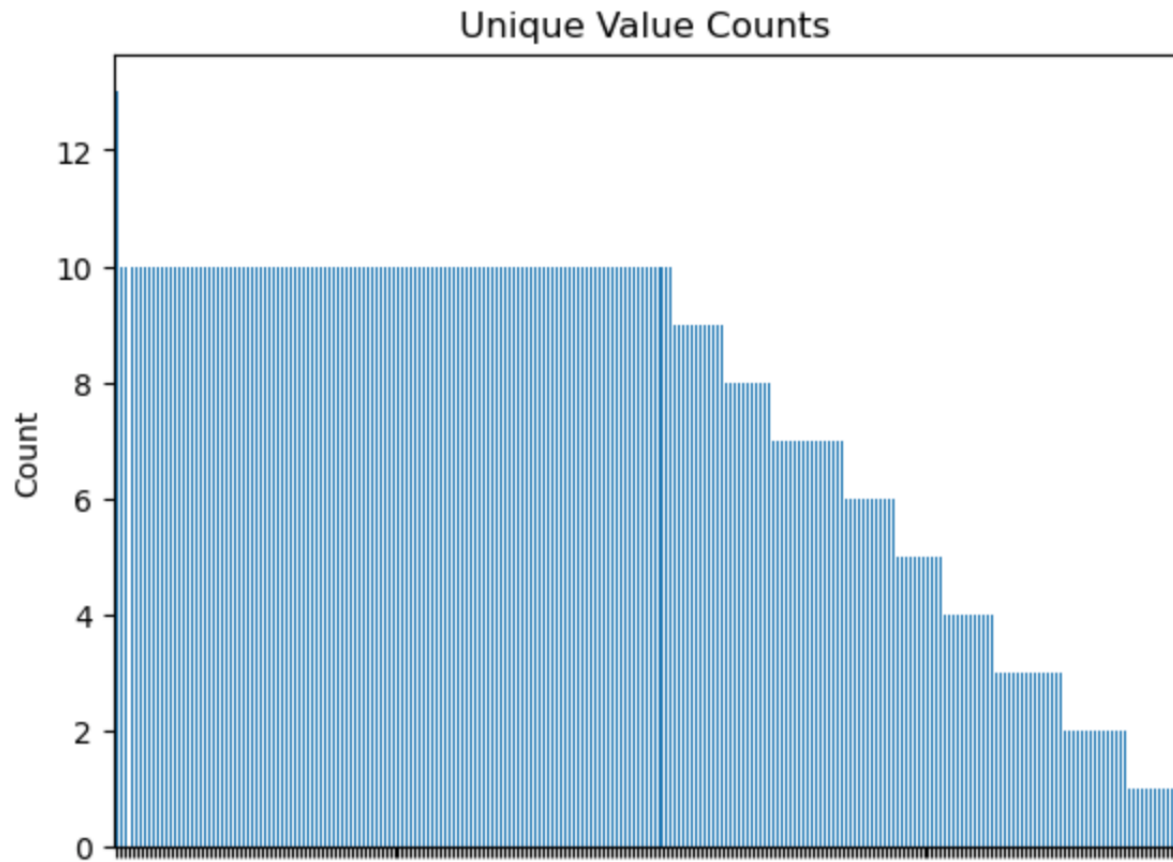Executive Summary Report

The data show two main results:

1. Capomulin and Ramicane performed the best, both in the same level
2. The difference with the other drugs is in the 20% range

Tumor Volume Statistics by Drug Regimen

The study did not record all results.
Following graphic shows the unique value counts for each mouse ID.
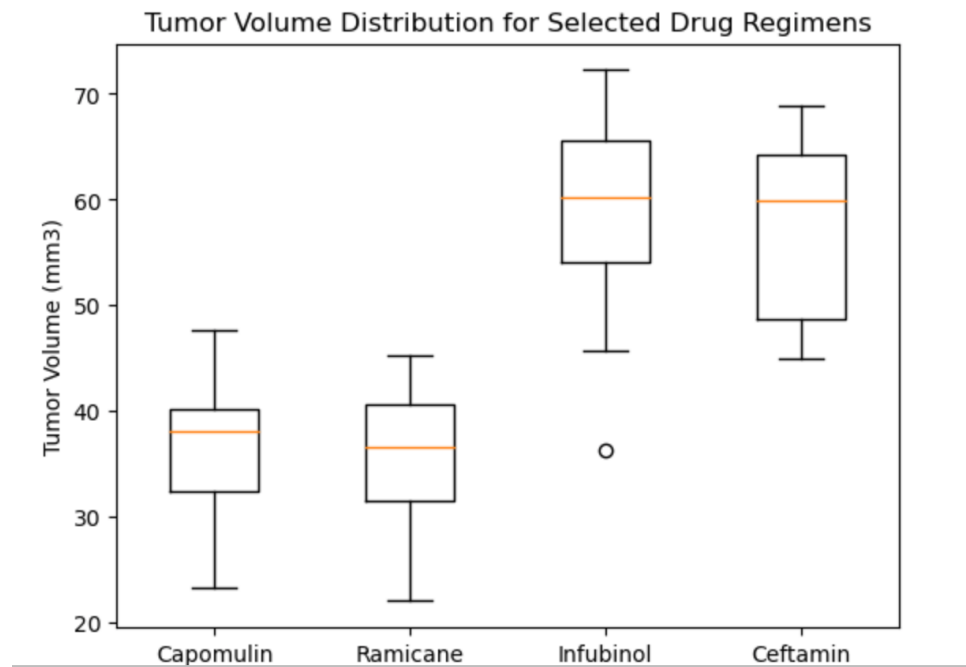

Unique Value Counts

The results for Capomulin and Ramicane were consistent, with the less dispersion between values, making a relevant difference with the other regimes.
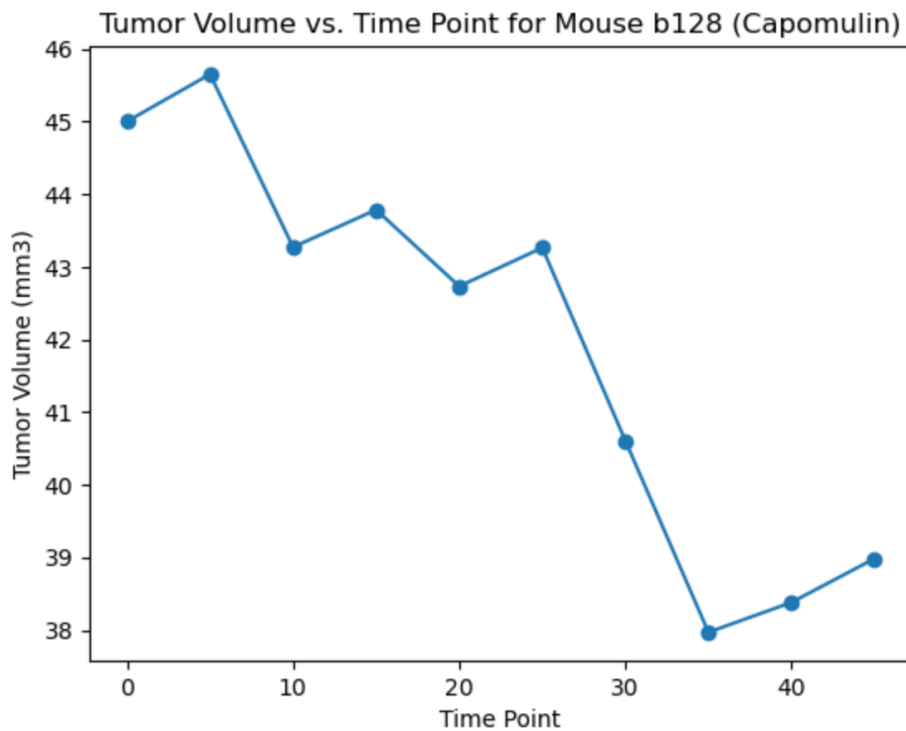The following numbers show the behavior of the statistical data for each regime.

statistics summary: Drug Regimen			mean	median	var	std	sem
Capomulin	40.675741	41.557809	24.947764	4.994774	0.329346		
Ceftamin	52.591172	51.776157	39.290177	6.268188	0.469821		
Infubinol	52.884795	51.820584	43.128684	6.567243	0.492236		
Ketapril	55.235638	53.698743	68.553577	8.279709	0.603860		
Naftisol	54.331565	52.509285	66.173479	8.134708	0.596466		
Placebo	54.033581	52.288934	61.168083	7.821003	0.581331		
Propriva	52.393463	50.909965	43.138803	6.568014	0.525862		
Ramicane	40.216745	40.673236	23.486704	4.846308	0.320955		
Stelasyn	54.233149	52.431737	59.450562	7.710419	0.573111		
Zoniferol	53.236507	51.818479	48.533355	6.966589	0.516398		

The following graphic illustrates above numbers.

Tumor Volume Distribution for Selected Drug Regimens

To close the report: this graphic shows the clear response of mice to Capomulin.

CONCLUSION

Capomulin performs better than all regimes, except Ramicane, which performs in the same level.