Module 5 Challenge – Matplotlib – Analysis Report

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Class: U of M Data Analytics and Visualization Boot Camp , Spring 2024

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Date: 05/02/2024

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Purpose:

To provide the Pymaceuticals executive team with a top-level summary of the study results.

Summary of the Analysis:

* Data for mouse study was examined.
* Analyzed mouse SCC tumor development over a range of drug regimens. With Pymaceuticals’ “Capomulin” regimen being a treatment of interest.
* Focus areas of the analysis:
  + A - Prepare the Data
  + B - Generate Summary Statistics
  + C - Create Bar Charts and Pie Charts
  + D - Calculate Quartiles, Find Outliers, Create Box Plot
  + E - Create Line Plot and Scatter Plot
  + F - Calculate Correlation and Regression
* Aggregated the data to showcase trends in Pymaceuticals’ “Capomulin” regimen.

Conclusions:

1. Concluded that Pymaceuticals’ “Capomulin” regimen …

- Insight 1.

- Insight 2.

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- Insight 3.

- Insight 4.