

Instructions:

Evaluate the homework against the outlined criteria in both the assignment rubric in addition to the challenge rubric, assigning a rating to each criterion. Add points earned across all criteria and convert the total points to a letter grade, assigning a “+” or “-” letter grade designation at your discretion.

A (+/-)	70+	C (+/-)	30-49	F (+/-)	<10
B (+/-)	50-69	D (+/-)	10-29		

Notes:

The deployed assignment utilizes the **Pandas**, and **Matplotlib** libraries to analyze the Pymaceuticals challenge. The source code should also be deployed to **Github** or **Gitlab**.

Assignment Rubric for Pymaceuticals Inc and the Power of Plots:

	Mastery 20 points	Approaching Mastery 15 points	Progressing 10 points	Emerging 5-0 points	Incomplete
Scatter Plots	A scatter plot is generated for each comparison with proper labels and aesthetics: ✓ tumor volume changes over time for each treatment ✓ metastatic sites changes over time ✓ number of mice surviving through course of treatment	A scatter plot is generated for each comparison: ✓ tumor volume changes over time for each treatment ✓ metastatic sites changes over time ✓ number of mice surviving through course of treatment	At least one scatter plot is generated for: ✓ tumor volume changes over time for each treatment ✓ metastatic sites changes over time ✓ number of mice surviving through course of treatment	✓ The submission contains broken code that attempts to generate a scatter plot -OR- ✓ No code to generate a scatter plot attempted	No submission was received -OR- Submission was empty or blank -OR- Submission contains evidence of academic dishonesty
Error Bars	✓ The submission contains code that generates error bars that are easy to read and uses the correct input data.	✓ The submission contains code that generates error bars using the correct input data. However, the error bars are hard to read due to improper aesthetics.	✓ The submission contains code that generates error bars, but uses incorrect input data	✓ The submission contains broken code that attempts to generate error bars -OR- ✓ No code to generate error bars attempted	
Bar Plots	✓ A bar plot is successfully generated for the total % tumor volume change for all	✓ A bar plot is successfully generated for the total % tumor volume change for only one treatment drug, or	✓ A bar plot is successfully generated, but not for the total % tumor volume change	✓ The notebook contains broken code that attempts to generate a bar plot	

	treatment drug, across the full 45 days	for less than 45 days		-OR- ✓ No code to generate a bar plot attempted	
Observations and Insights	✓ The notebook contains three observations or insights about the data	✓ The notebook contains two observations or insights about the data	✓ The notebook contains one observation or insight about the data	✓ The notebook contains no observations/insights -OR- ✓ Observations/insights are inappropriate to the data set	