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Homework #2

[CSCI 580](#), Fall 2023 Section 1

Liam Smith

Instructions

In this assignment, you will be using the [ACME Sales](#) dataset to generate visualizations. Each question below asks you to provide a code section that will generate the requested chart type.

For full credit, make sure that each chart you generate

- has an appropriate title that clearly describes the information presented
- uses relevant labels for each axis
- deviates from any default style setting by changing the default (line/bar) color, marker shape, marker color, line width, or other feature
- uses any additional chart feature that will enhance the information your visualization is attempting to convey.

You are free to choose using [matplotlib](#) or [seaborn](#) or any other library to generate your visualization.

To get you started, the following code loads the [ACME Sales](#) dataset into a [pandas](#) `DataFrame` object and uses *Google Colab*'s interactive table feature to show you what the data looks like:

```
[ ] import pandas as pd

df = pd.read_csv('https://www.ecst.csuchico.edu/~bjuliano/csci581/datasets/acme_sales.csv')
df
```

	month_number	facecream	facewash	toothpaste	bathsoap	shampoo	moisturizer	total_units	total_profit
0	1	2500	1500	5200	9200	1200	1500	21100	211000
1	2	2630	1200	5100	6100	2100	1200	18330	183300
2	3	2140	1340	4550	9550	3550	1340	22470	224700
3	4	3400	1130	5870	8870	1870	1130	22270	222700

