

Applied Math Data Analyst Assessment

Question 1

You are provided with a data.csv file for the number of sales (in millions of units) and the price for two products (product A and product B). You need to make a recommendation of the selling price of both products given this historical data.

For this question, please:

- A) Plot the data
- B) Fit the data
- C) How would you determine the optimal selling price. What is your recommended price for each product?

Question 2

The number of units sold (in thousands) for three different products on different e-commerce platforms is shown in the table below. Given that the visitor ratio of Amazon:Walmart:Target is 50:30:20, we would like to know which combination of (website, product) converts to the most sales?

Website	Product A	Product B	Product C
Amazon	90	86	70
Walmart	52.5	51	48
Target	27	31	37

You can send us a zip folder of your solution. Please include a readme that describes your design and implementation decisions as well as instructions on how to run your code. Code that works out-of-the-box is highly preferred.