

Shopify Intern Challenge

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Problem 1

- (a) This is not a good metric for our data. This is because some orders have multiple items and this scales order values. We should evaluate our data set using the average value for an order relative to the amount per item.
- (b) average amount per item

$$API = mean(\frac{Orderamount}{totalitems})$$

- (c) The average value per item is about 387 dollars. However, this isn't very accurate either. This is because there are probably outliers in the data. I looked at the max value of the array and found that it was 25725 dollars which is extremely high for a shoe. So instead, I propose to use the median value of the amount per item array.

Problem 2

- (a) There are 54 total orders shipped by SpeedyExpress
- (b) Peacock is the last name of the employee with the most orders
- (c) Gorgonzola Telino