Full Name: \_\_\_\_Kadirov Khusan\_U2110155\_\_\_\_\_\_\_\_\_\_

Tasks

1. Cleaning.

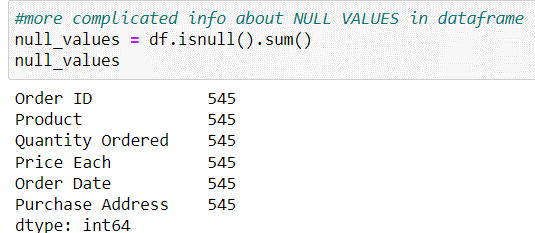
*Questions:*

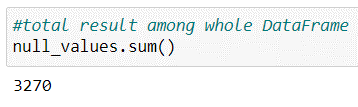
* *How many rows have null values (if there is a null value, that’s also counted)?*
* *How many orders have been made (not including nulls)?*

*Tasks:*

1. *Show all of the null containing rows*

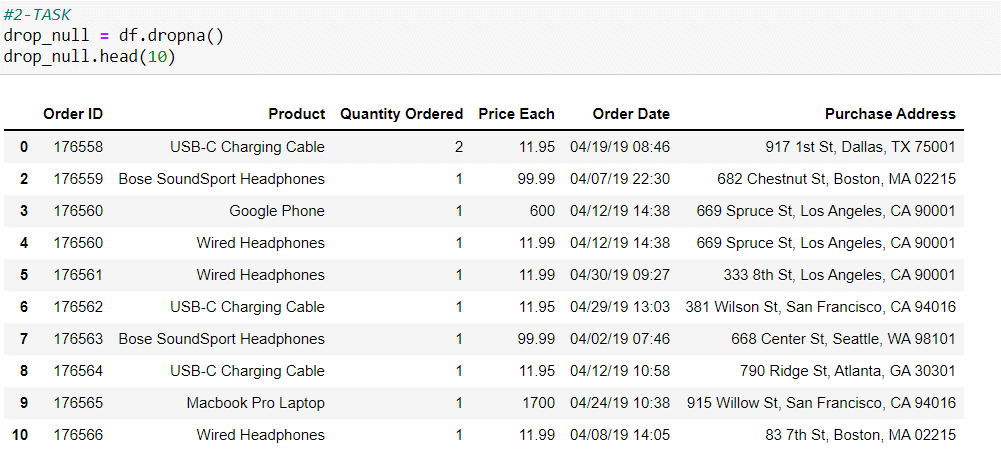
Code:



… 

1. *Drop rows that contain any null values*

Code:

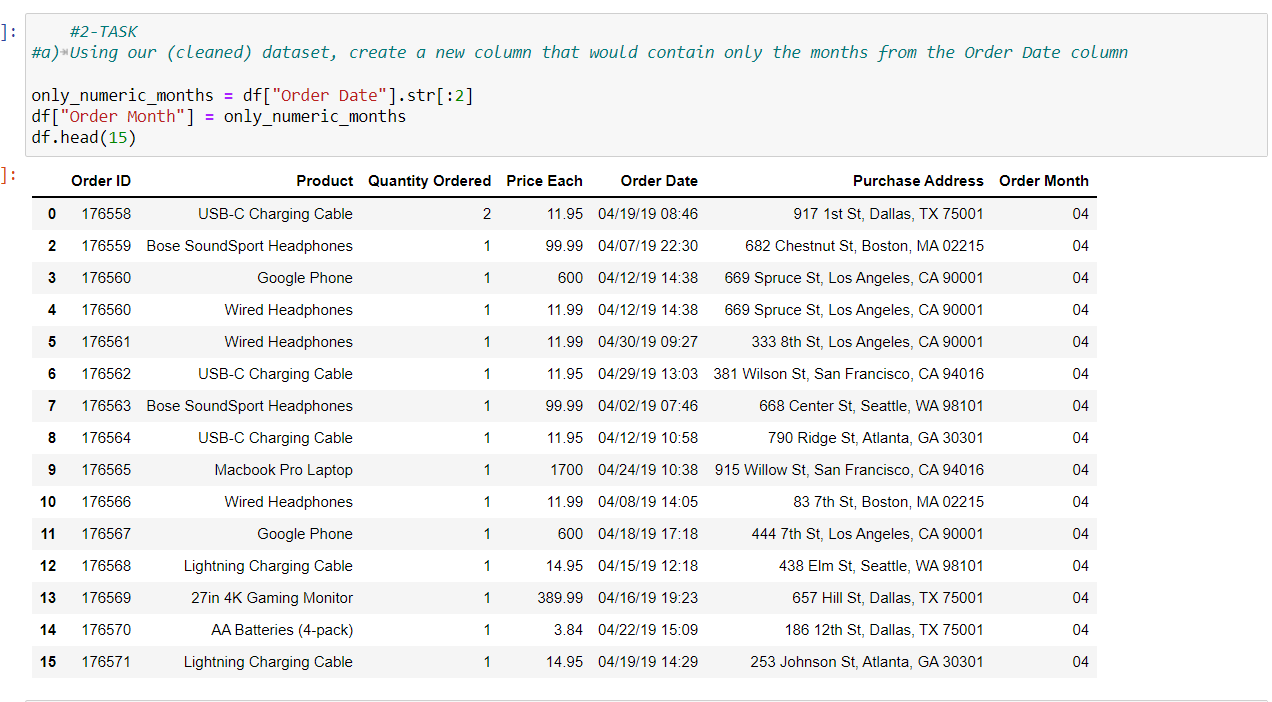
…

1. Restructuring the dataset.

*Tasks:*

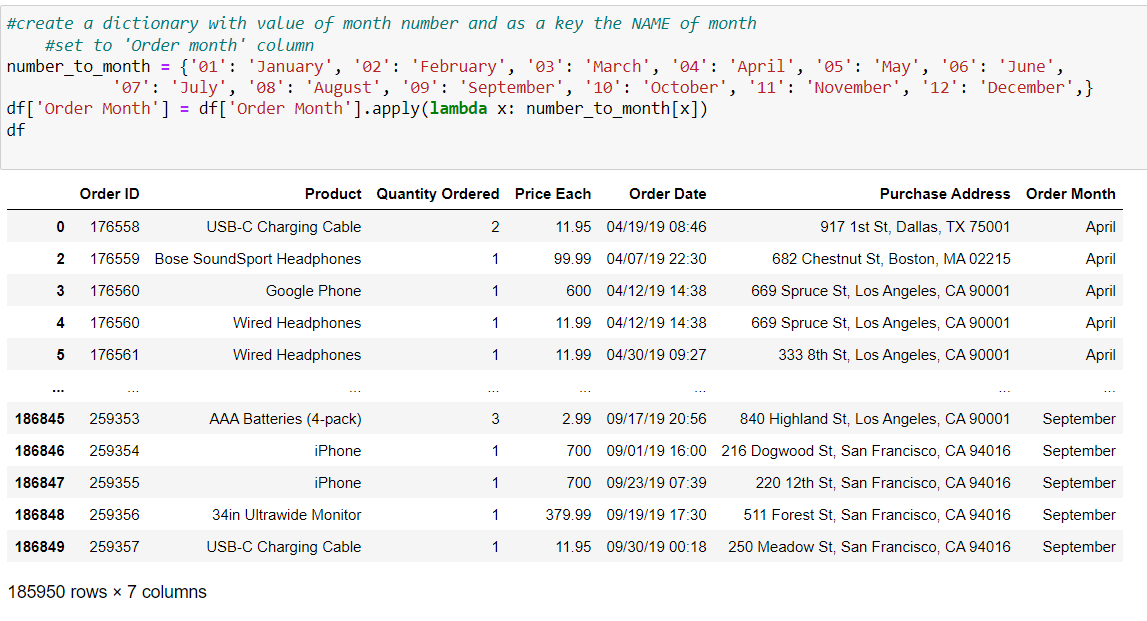
1. *Using our (cleaned) dataset, create a new column that would contain only the months from the* ***Order Date*** *column.*

Code:



1. *Convert the month numbers into characters (f.e: 1 into January, 2 into February, and so on).*

Code:

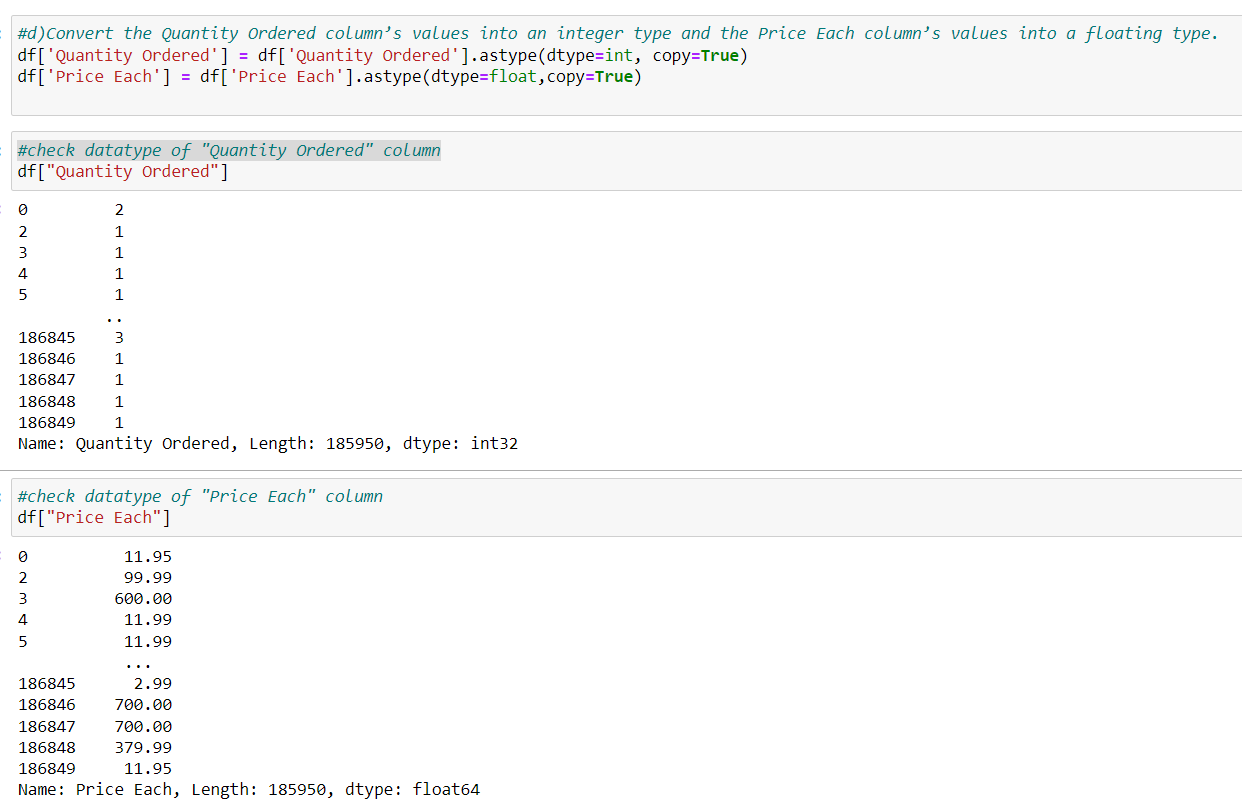


1. *Create a new column that would contain only the state names taken from the* ***Purchase Address*** *column.*

Code:



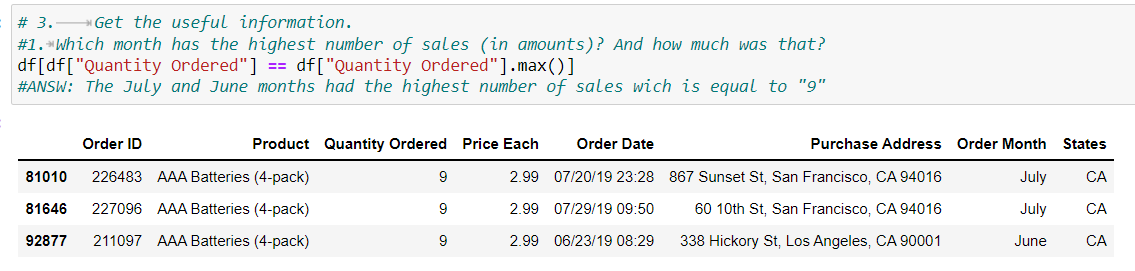
1. *Convert the* ***Quantity Ordered*** *column’s values into an integer type and the* ***Price Each*** *column’s values into a floating type.*

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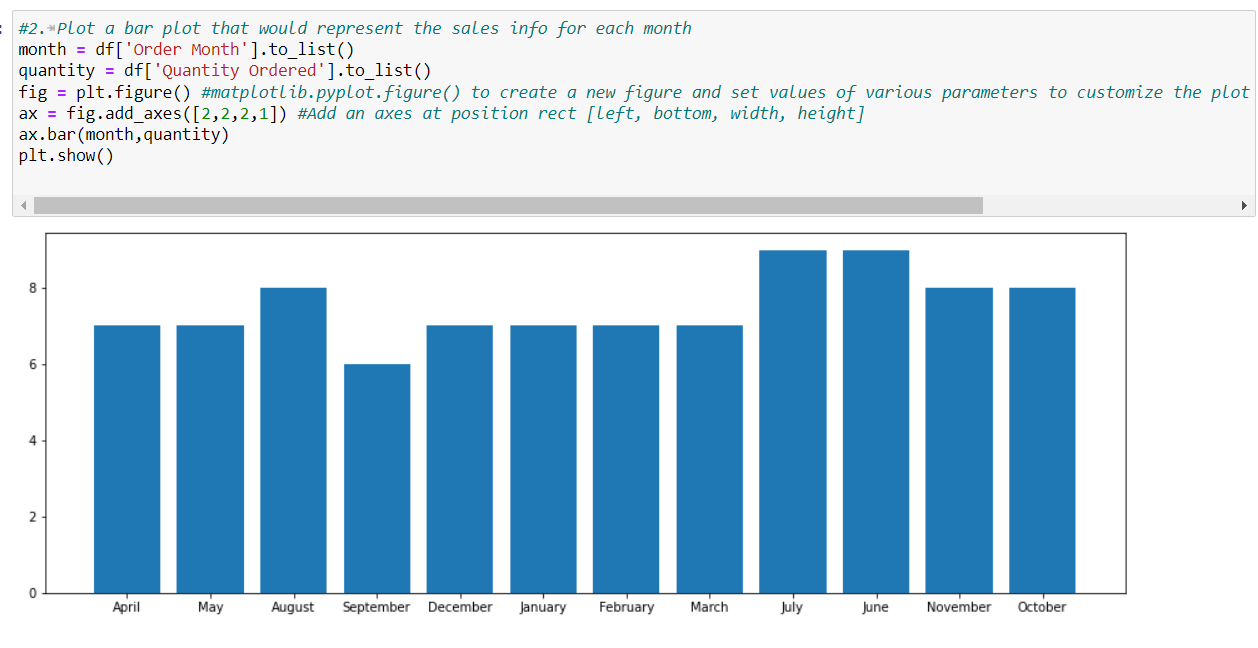
1. Get the useful information.

*Questions:*

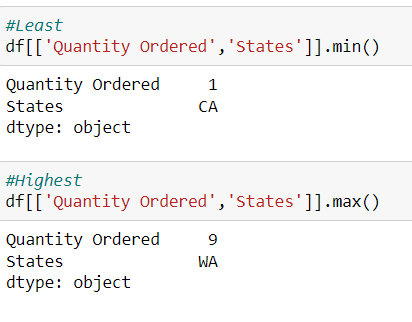
1. *Which month has the highest number of sales (in amounts)? And how much was that?*

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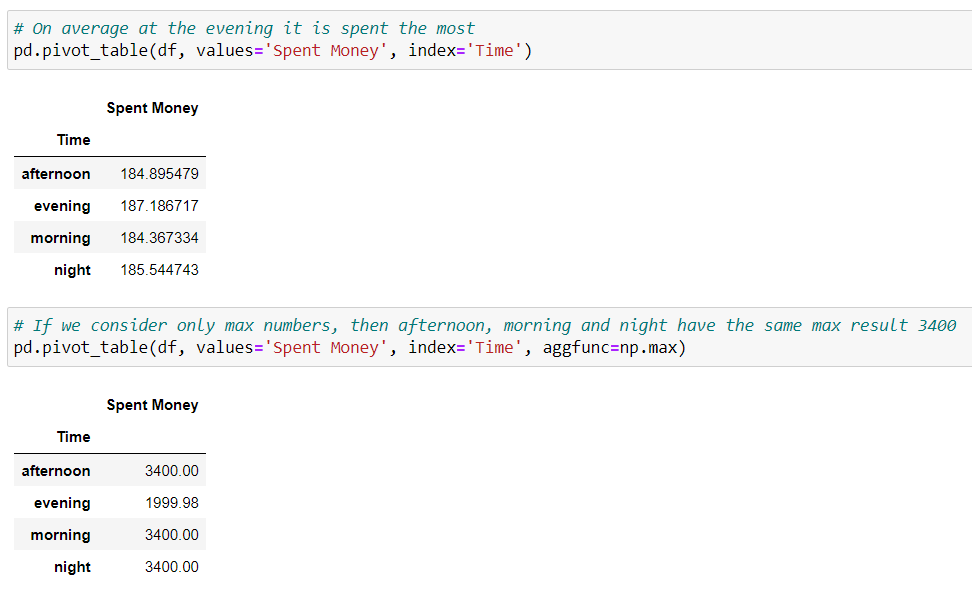
1. *Plot a bar plot that would represent the sales info for each month.*

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1. *Which state has ordered the least and which the highest?*

**

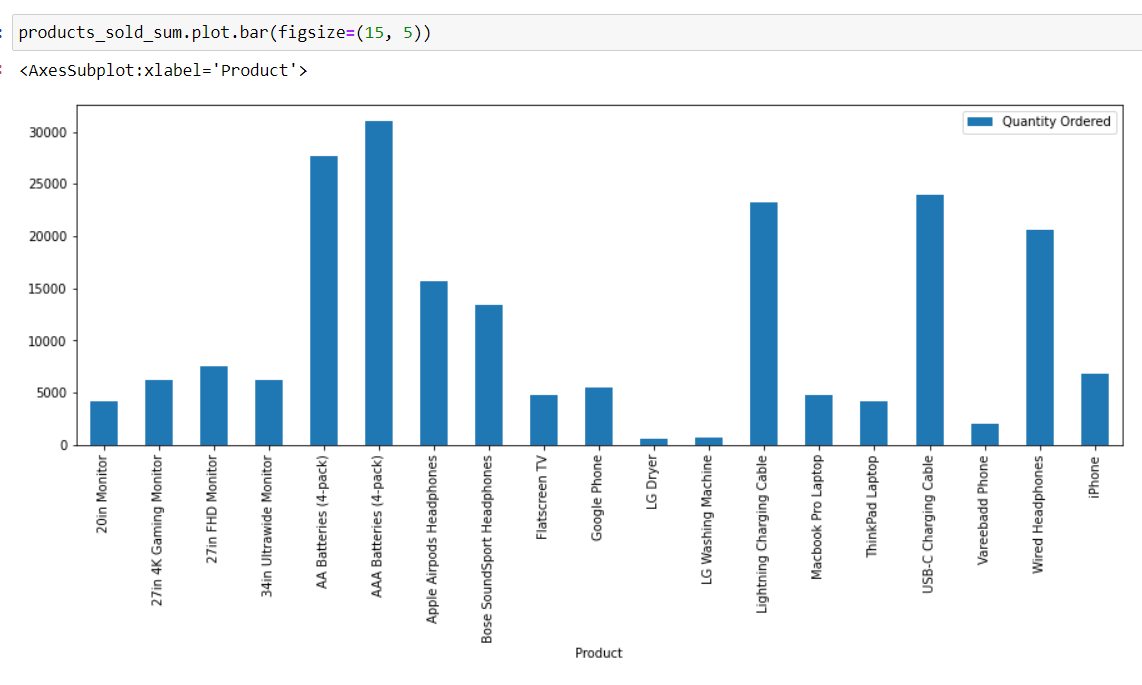
1. *At what time of the day the highest amount of money is spent on sales?*

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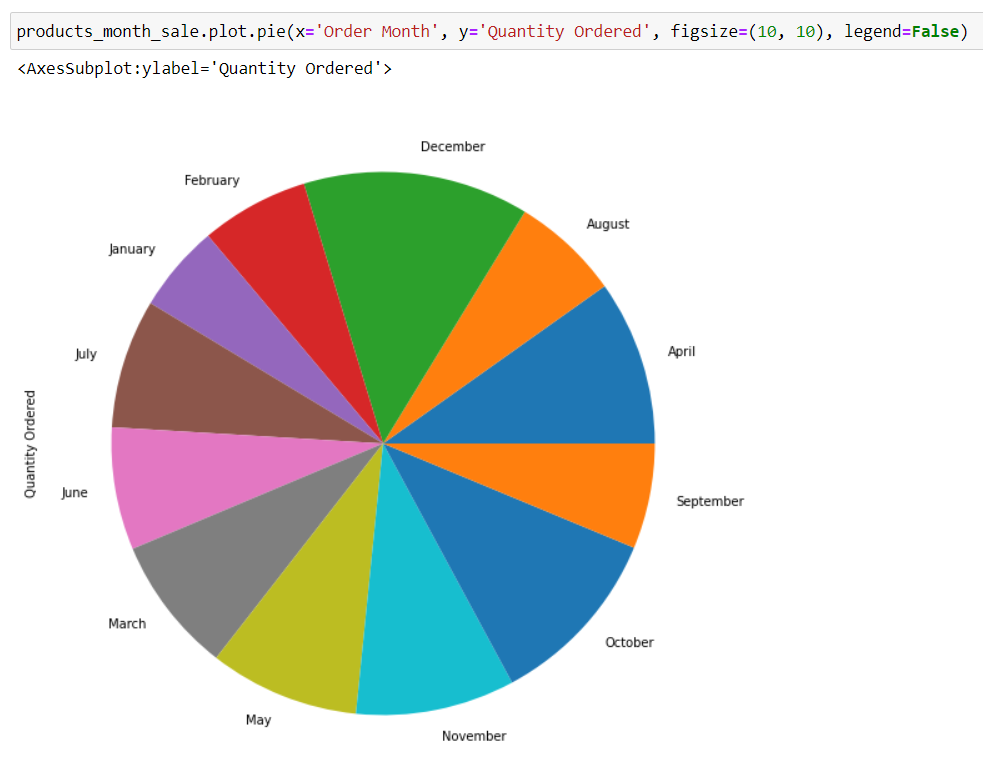
1. Time to plot.

*Tasks:*

1. *Plot the bar chart that represents different items bought on the x-axis and how many of them were sold on the y-axis.*

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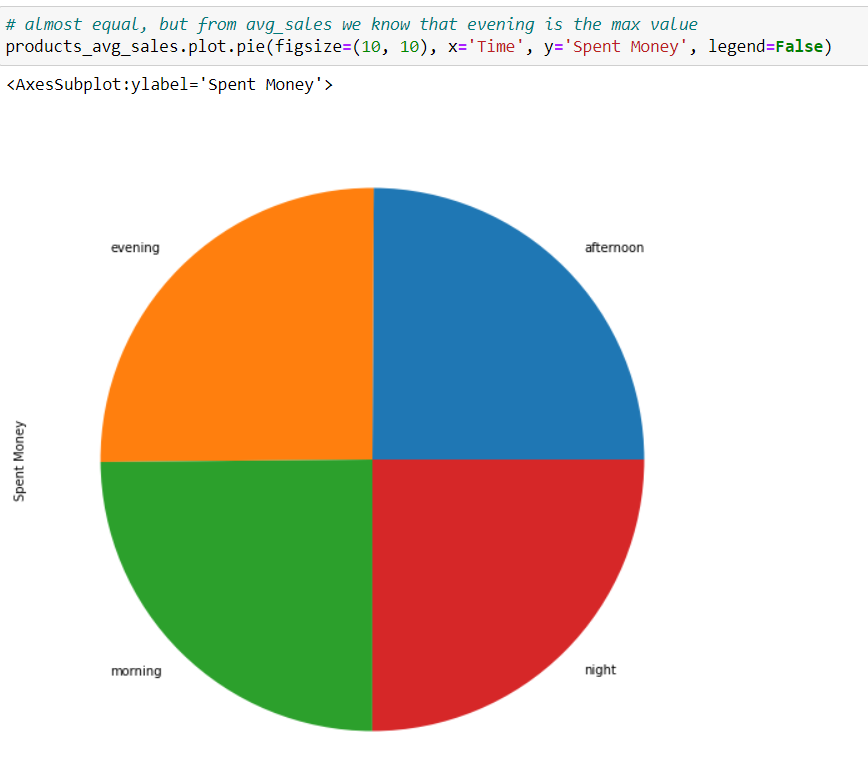
1. *Plot a pie char that represents each month as the piece of the pie, showing how much sales are generally done.*

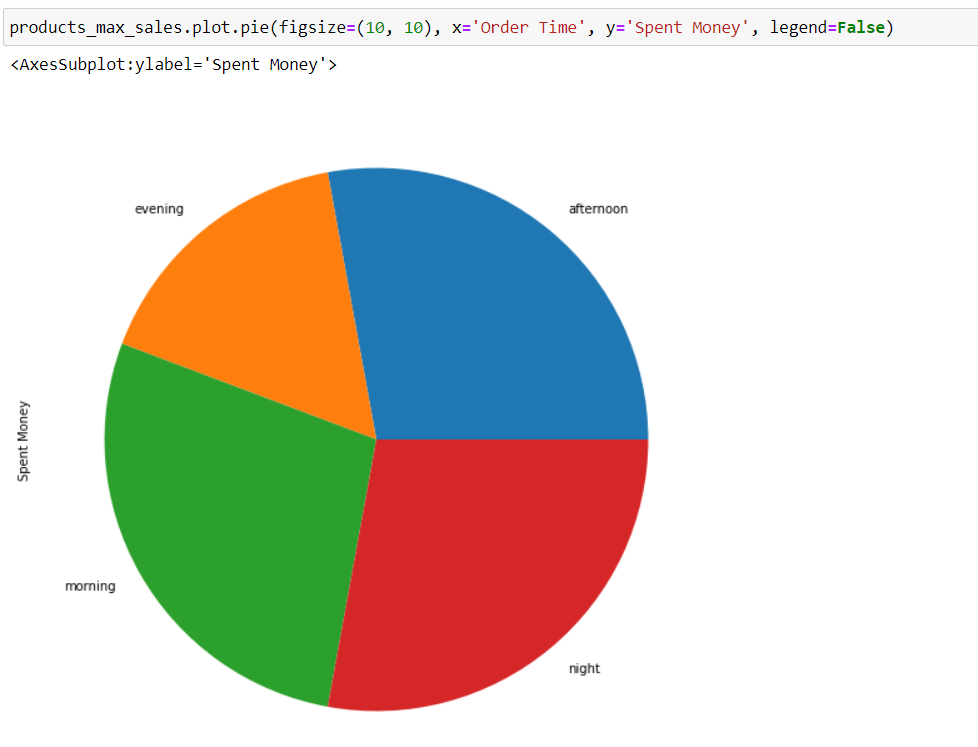


1. More info with the plots.

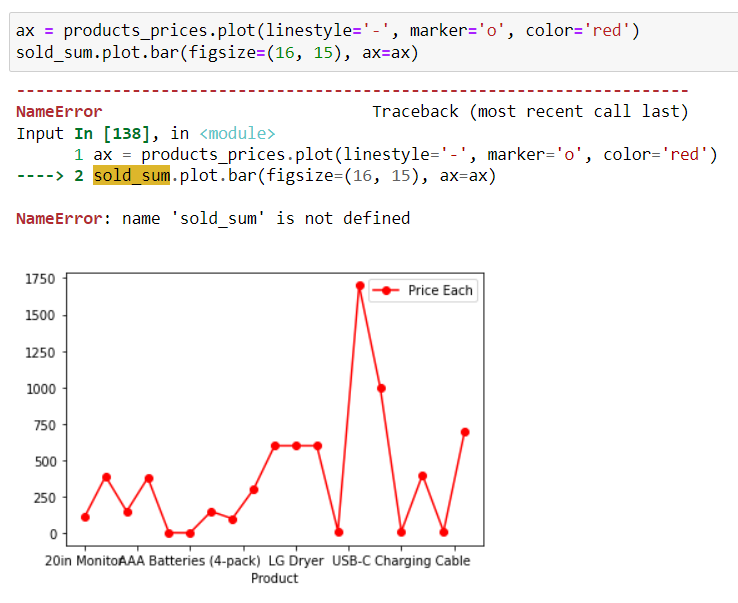
*Tasks:*

1. *Prove the answer to the question four in the third part (Get the useful information).*

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1. *Referring to the question 1 of the 4th part (Time to plot), plot that bar chart again but with adding a line chart inside onto it representing the price of each item.*

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Score: \_\_/5