1. complete reference to the IEEE or ACM paper you are trying to outperform. Only articles published by IEEE or ACM will be accepted.

Topic of the paper : **Towards Context Aware Food Sales Prediction**

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1. describe the results of the paper you have chosen.

They developed CAPA, context aware sales prediction approach, via introducing background knowledge and visual observations into predictor selection process. The accuracy that they achieved was somewhere around 47% with the test dataset but to predict the sales they need around 85% accuracy.

1. describe your results so far, and your next objective in terms of data analysis.

Predicting sales of the product by using weather data, I have identified the odd days when the customer and the sales are typically high.

1. describe how you will use the concepts of aggregation and group operations

Example: df\_train.groupby('Date')["Sales"].mean() using numpy library

1. create a table showing the code for every operation in the left column and the time measurements for every operation in the right column.  You need at least 10 operations.  Highlight in bold the lines of code where you use aggregation or group operation concepts.

Answer in a different file attached in github