Data Science Project Pre-Proposal

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Vision:

What is our idea:
- Is to gather data from the dining services and determine the trends between number of students going to the eateries according to their respective menus.

What are we trying to do:
- See if there is a correlation between the menu and number of people who eat on Brown's campus everyday (maybe a way to get brown to serve better food).

What question are we thinking of asking:
- To what extent does the menu affect the number of people that attend the eateries.

Data:

What data are we planning on using:
- We are planning on using the Brown API.

Do we already have the data or do we need to collect it:
- We would need to collect the data ourselves (run a script that pulls the number of people in the dining area along with the menu at that time)

Methodology:

How we plan to collect the data:
- Write a script that pulls data from the Brown API every hour

What knowledge are we looking to get from the data:
- We are looking to get the number of people in a given dining location along with the menu at that location

Are there any visualizations that will clearly capture our results:
- Time series, Pie charts, etc.

Task-List:

First TA checkin:
- Have the script written and pulling data (to at least a csv file)

Midterm Project Report:
- Have at least a small database of data and at least capable of running one form of trend analysis