

The objective of my project will be to look at the link between the number of fast food restaurants in a given area with the obesity rates of the same area. My belief is that there will be significant correlation after adjusting for the average income of the area.

Using a data set of fast food restaurants in the United States as well as CDC data sets regarding obesity rates, I will attempt to find a correlation between the two. I will accomplish this by making a base model of both data sets and simply looking to see how well the data matches. After this, I will check to see if the type or brand of fast food has a more significant impact on obesity rates or if it is similar across the board.

I also suspect that I will need to add in a data set of median incomes of the locales as it is known that there tends to be lower obesity rates in areas with a higher income rate. In the event that this does not yield fruitful results I will go back and examine other factors such as general food availability and variety. If I can find data on specific fast food restaurant sales data I would like to check to see if customers in different regions choose “healthier” options based on income.

As for the team structure: Danford Compton will be the head researcher. Creating the visual data for the project will be done by Danford Compton. Danford Compton will be responsible for answering any questions from the class. Finally, there will be a morale officer for the project to ensure the happiness of the members, and this will be done by Danford Compton.

Project Milestones:

- Find datasets about the number of fast food restaurants and obesity for a series of regions.
- Create simple visualizations to ensure that I am not barking up the wrong tree.
- Cross the data with data about the median income levels of the regions.
- Analyze the correlation and look for outliers.
- Find other research papers about the correlation of obesity and diet that backs up my findings.
- Create final deliverables.
- Deliver deliverables.