

## Executive Summary

*Diving into the data to find correlations between poverty levels leading to poor diet choices which ultimately results in high rates of obesity.*

## Motivation

*Poverty, food insecurity and obesity are major issues across the entirety of the US, leading to countless other physical, mental and financial problems on both the local and country wide scale. With this data project I aim to gain a bit of insight into the continuous US obesity epidemic, specifically in TN.*

## Data Question

*What are the costs of healthier foods vs fast food options?*

*What are the nutritional differences between options?*

*What is the short-term vs long term cost of food vs obesity?*

*\*Search healthy food vs fast food articles\**

*\*Search healthy food vs fast food costs\**

## Minimum Viable Product (MVP)

*Final Capstone will be financial burden of healthy food choices leading to a poverty obesity correlation.*

*(and possibly long term repercussions of poor diet and obesity).*

## Schedule (Dec 2<sup>nd</sup> – Jan 6<sup>th</sup>)

1. Get the Data (Dec 2<sup>nd</sup>)
2. Clean & Explore the Data (finish date)
3. Create Presentation of your Analysis (finish date)
  - Should be a presentation, but could include a Jupyter Notebook or dashboard in Excel, Tableau, or PowerBI
4. Internal demos (<date of internal demos>)
5. Demo Day!! (Jan 6<sup>th</sup>)

## Data Sources

*\*Will potentially add more sources during project research\**

[Obesity](#)

[Population](#)

[Poverty rate](#)

[SNAP enrollment](#)

[Obesity related deaths](#)

[Obesity related health issues](#)

[More info on obesity consequences](#)

## Known Issues and Challenges

*Due to the personal aspect of the topic, most data seems to be generalized estimates, not exact measures.*

*Rather than having raw data and being able to make calculations, data sources must be relied on for accuracy and values.*

*Data is retrieved from multiple data sources and must be cleaned, joined and possibly reorganized before visualization may take place.*