

Data Visualization Project Proposal

Team Members:

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Title: Fruit and Vegetables in the United States

Primary goal: To map out what fruit and vegetables are available seasonally in the United States, and how the price and yield has changed over time.

Key Questions:

- What fruits and vegetables are in season each month of the year?
- What fruits and vegetables are available in different regions/states of the US?
- How has crop yields in the U.S. changed over time?
- How have fruit and vegetable prices changed over time?

Procedure/Scope:

1. Import the data from NASS
2. Get NASS data into dataframe
3. (Order unclear)
 - a. Create US map and show fruit and vegetable seasonality chart by state
 - b. Create chart visualization of historic fruit and vegetable yield
 - c. Create chart visualization of historic fruit and vegetable prices

Data:

[National Agriculture Statistics Service](#) data of agriculture in the United States.

[Historical yield of major crops](#) data of Pangea publisher for earth and environment

[Fruit and vegetable prices](#) - USDA Ag Data commons

Nice to have(s) if time allows:

Data of agriculture worldwide

D3 visualization

Visualizations:

- Map of fruits and vegetables available in different states in different seasons.
 - If time, ability to put in your zipcode or county and see what fruits and vegetables are available locally.
- Calendar of when fruits and vegetables are available during the year.
- Line chart of historical yield of fruits and vegetables.

- Visualizations of price fluctuations over time.