**USDA Census Capstone**

Capstone project for Nashville Software School DA8.

This capstone attempts to understand crop yields reported in the USDA Census and find a correlation between yields and weather patterns.

**Motivation**

Climate change presents a real and significant impact to many parts of our lives. I was curious about digging into some weather data to get a hands on feel for some of the changes and effects we may be seeing.

Crop production is vital for survival of all societies, and I wanted to see how the US may have been handling some weather effects so far.

**Data Sources**

USDA Census: [USDA - National Agricultural Statistics Service - Census of Agriculture](https://www.nass.usda.gov/AgCensus/)

Weather: [Compiled historical daily temperature and precipitation data for selected 210 U.S. cities (cmu.edu)](https://kilthub.cmu.edu/articles/dataset/Compiled_daily_temperature_and_precipitation_data_for_the_U_S_cities/7890488/5)

**Tools**

Python/Jupyter Notebooks for analysis and Tableau for visualizations

**Presentation link**

https://www.canva.com/design/DAFmfKLxDgU/84xnYa16dNVCxm1ITto\_YQ/edit?utm\_content=DAFmfKLxDgU&utm\_campaign=designshare&utm\_medium=link2&utm\_source=sharebutton