

## Group 6 Proposal:

### A brief articulation of your chosen topic and rationale:

This dataset provides an in-depth analysis of the effects of climate change on agricultural productivity across diverse geographical regions. It encompasses temperature fluctuations, precipitation levels, and crop yield metrics, to offer a comprehensive understanding of how evolving climate patterns influence farming outcomes. By examining these variables, the dataset aims to highlight the specific ways in which changes in climate—such as rising temperatures and altered rainfall distributions—affect crop growth, yield stability, and agricultural sustainability. This resource is valuable for researchers, policymakers, and agricultural stakeholders seeking to develop strategies for mitigating the challenges posed by climate change on global food security.

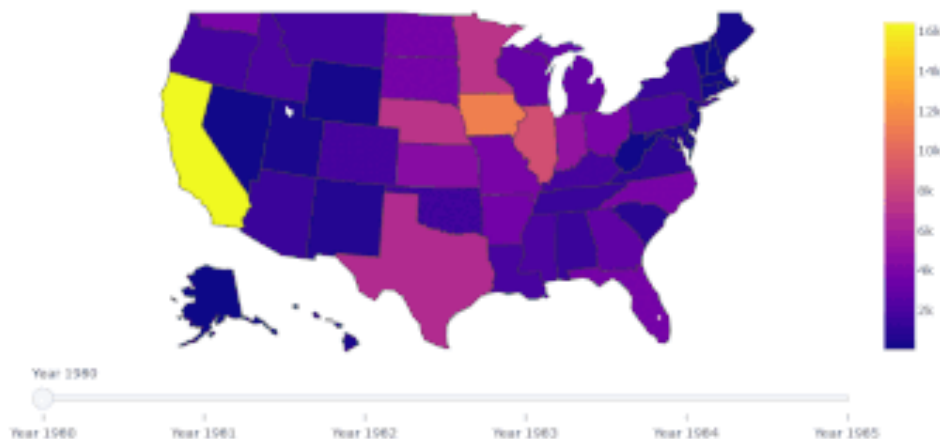
*What questions are we trying to answer?*

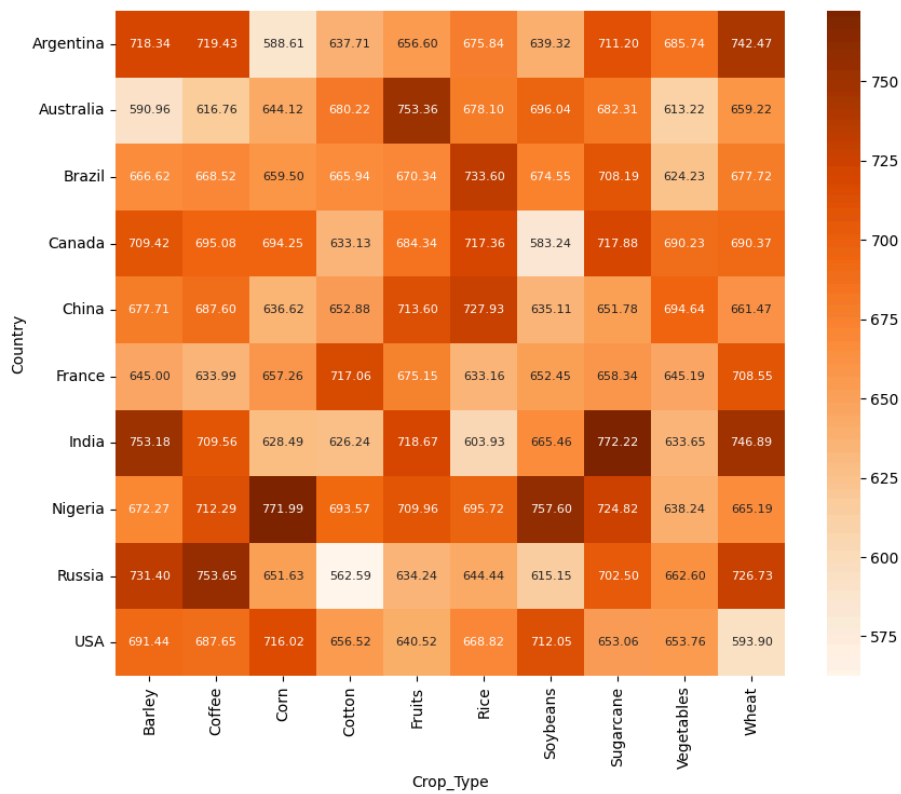
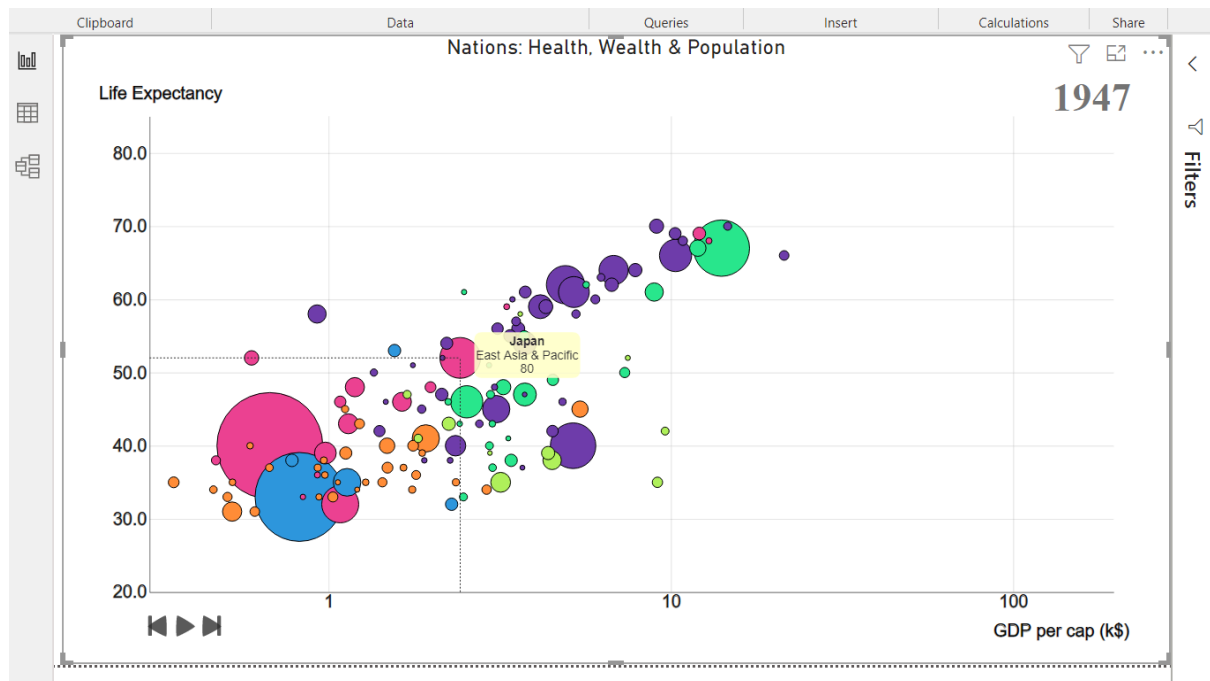
- **Shariq:** *How has global crop yield changed over time?*
  - *Visualisations: animated scatter plot*
- **Siawash:** *How has the adaptation strategies affected the economic impact of a region/crop?*
  - *Visualisations: Interactive heat map*
- **Sura:** *Average temp and CO2 emissions have changed over time by country and or region?*
- **Nick:** *working on visualisations - choropleth*

### Link to dataset

<https://www.kaggle.com/datasets/waqi786/climate-change-impact-on-agriculture/data>

### 3-4 screenshots of relevant/inspiring visualisations that show your creative ideas





Link to GitHub repo

[https://github.com/nickbartram/team6\\_project3.git](https://github.com/nickbartram/team6_project3.git)

**Group Members:**

1. **Sura Ali**
2. **Nicholas Bartram**
3. **Shariq Khatri**
4. **Siawash Ahmar**