1. Project Title: Got Food?
2. Project Description:

There are about 7 billion people on our planet and it is increasing rapidly. By 2050, it is estimated that there will be close to 10 billion people on Earth! When considering the population growth we are experiencing, it is important to understand that the demand for food, energy and water is also increasing significantly. This brings in the idea of food sustainability. Food sustainability is grounded on the idea that future generations have access to a nutritious diet in a sustainable way. This is one of the greatest challenges we face in society currently.

This dataset contains most 43 most common foods grown across the globe and 23 columns as their respective land, water usage and carbon footprints. We will use this data to analyze different aspects of food sustainable.

1. Research Questions:
   1. What is the carbon footprint impact of plant-based foods versus animal-based foods? (maybe include protein rich food?) **Kevin**
      1. *What types of food production should be encouraged to consume nutritious diet in a sustainable way?­­­*
   2. Which food products have the most negative impact on the environment?

Which food products have the most positive impact on the environment? **Mallory**

* + 1. *What types of food production should be encouraged to consume nutritious diet in a sustainable way?*
    2. *\*Measure Eutrophying emissions, Greenhouse gas emissions levels to determine\**
  1. What stage of food production contributes the most to greenhouse gas emission? **Alvin**
     1. *Finding at what point in the cycle we should focus on for innovations*
  2. **Alvin add question! ☺**

1. Datasets to be used: <https://www.kaggle.com/selfvivek/environment-impact-of-food-production>
2. Rough breakdown of tasks:
   1. Each person is responsible for 2 questions
      1. Scrub data
      2. Generate charts/tables/graphs as seen fit to display data
      3. Write written conclusions based on data results
3. Things we want to include
   1. Summary statistics table
      1. Mean, median, mode, variance, std dev, etc.
   2. 2 Visualizations per question

Research Questions:

1. What is the carbon footprint impact of plant-based foods versus animal-based foods?

H0 = CO2 emissions are largest with animal-based foods versus plant-based foods.

H1 = CO2 emissions are not largest with animal-based foods versus plant-based foods.

1. Which food products have the most negative impact on the environment?
2. Which food products have the most positive impact on the environment?
3. What stage of food production contributes the most to greenhouse gases?