

## **Project Ideas -Data Analytics Final Project**

Team Members: Maxine, Jennifer, Chumpon, Russell, Jack

### **Big Picture Ideas**

- Financial Markets
- Demographics
- Correlations

### **Specific Ideas:**

- Prediction of recession
  - Yield curve of recession
- Predict likelihood of extinction
- Food prices vs stock market
  - Does a spike in food prices precede a decline in market averages.
  - Do food price hikes correlate to stock index price fluctuations.
  - Attack this from different angles:
    - Super market retail prices vs. indices?
    - Agricultural prices vs. indices?
    - Can we throw climate related data in there?
    - Nutritional value vs retail price?

### **What is our question?**

#### **-Can the prices of specific foods predict fluctuations of large-scale stock/commodity indices?**

- What types of food are going to focus on:
  - Milk
  - Wheat
  - Beef
- What data are we looking for?
  - Retail price data

- Consumption data

- Market data – commodity index, large scale indices

To do's for next week (Thursday 3/9):

- 4 git commits to the main per team member.

- Detailed readme with project status, images, descriptions, and intended results

- Readme should include:

- topic and reason for selection,

- description of data source

- questions that group originally aims to answer with the data

- Database with at least (2) tables for collection.

Would be nice to have by this Thursday:

- A couple datasets that interest us to present to team