**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

**2023.03.02**

To submit by next week:

Graphical user interface, text, application

Description automatically generated

-How to set up our database: Create a schema/diagram on how the data should connect to each other. Have a person that manages the data in pgadmin and have a folder in the github called data with the different datasets with ERD.

Roles:

-Git Manager: Chumpon

-Postgres Manager: Maxine

-ETL/Analysts: By team members for their respective datasets

-Predictive Model Manager: TBD

Process:

1. Find raw dataset

2. Upload to raw data folder on git

3. Use Pandas for ETL on raw data, and then save to edited data folder.

4. Make ERD for SQL/Postgres table create (primary keys, etc…)

5. Make postgres database and add edited dataset to postgres to create tables