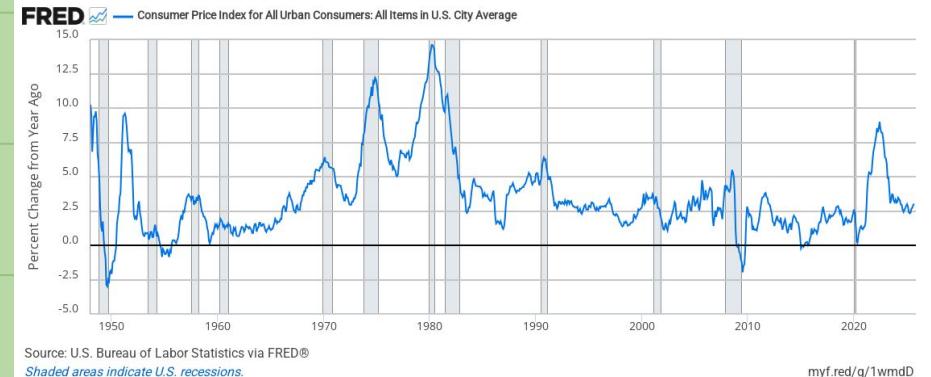


Economic Forecasting



General Overview

- The Goal of this project will be to introduce you to how to work with data and introduce tools that you will use in the workforce
- Center this Project on economic values so that you have something interesting to talk about in interviews.



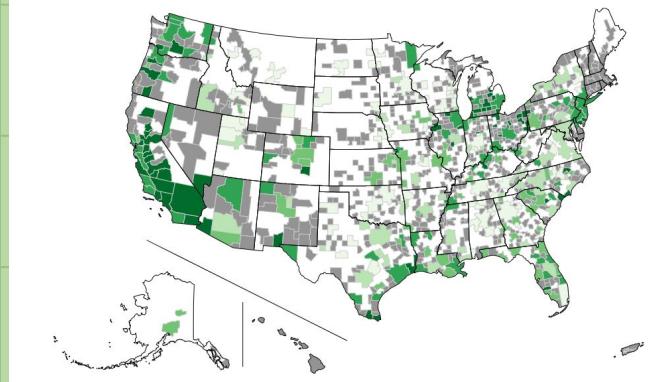
What is the FED

The Fed is the Central bank of the United States, it's main responsibility is to regulate the Federal Funds Rate to regulate the economy.

Another Cool Thing is that they have a ton of data that we can use.



FRED  2025 August Unemployment Rate by Metropolitan Statistical Area (Percent)



General Roadmap:

Step 1: Introduce basic Data tools: Pandas, Plotting, Linear Regression

Step 2: Introduce Data Manipulation and Feature Engineering

Step 3: How to write SQL Queries

Step 4: Intro to Machine Learning

Step 5: Combine Learning into a data-backed Presentation about an Economic Phenomenon

What You get out of it:

1. Connect with cool people
2. Resume Building:

- Conducted exploratory data analysis and feature engineering to identify key predictors of economic variables, including unemployment and inflation.
- Applied SQL and Python to clean, reshape, and model datasets using regression and time-series techniques, analyzing correlations and model performance.
- Visualized results and presented findings through clear data storytelling, highlighting actionable insights and predictive trends.

3. Something you can talk about in interviews

DEMO!





A light green background with a faint grid pattern. Floating across the screen are several green dollar bills, each featuring a large white dollar sign in the center. The bills are angled and overlap each other, creating a sense of motion.

Questions?