

PURPOSE

Labor Market Analyzer Database

- To be used for the purpose of economic research by researchers, economists, policy makers, analysts etc.
- The labor market > less workers in the economy > less overall economic production > less or no economic growth.
- Debates about the differences between the employment, unemployment, participation, wage rates and benefits of men and women in the workplace.
- There are trends seen during recessions, whether the labor market move towards a "he-cession" as in the workers who are men are more likely to lose a job.
- During the COVID-19 pandemic recession period, the trend has been seen to be moving towards a "she-cession".

DATA

The data will be mainly collected from the Federal Reserve Economic Data (FRED) database. Multiple data series related to the labor market will be used in the project. The data series shortlisted for now are:

- Unemployment Rate Men
- Unemployment Rate Women
- Labor Force Participation Rate Men
- Labor Force Participation Rate Women
- Employment-Population Ratio Men
- Employment-Population Ratio Women

Two data series shortlisted from the Our World in Data platform are:

- COVID-19: School and Workplace Closures
- COVID 19: Income Support and Debt Relief

METHOD

- Database will be built using SQL on the Postgre SQL database management system
- The project will apply several codes and syntaxes used in-class to create different queries to pull the relevant list of data from the database.
- Queries will be created using operations like basic, set, string, nested subqueries and others.

SCHEMA

- men (unrate_men, part_men, ratio_men) women (unrate_women, part_women, ratio_women)
- unemployment (date, unrate_men, unrate_women)
- participation (date, part_men, part_women)
- ratio (date, ratio_men, ratio_women)
- closures (date, close_school, close_work)
- support (date, supp_income, supp_relief)
- date (unrate_men, unrate_women, part_men, part_women, ratio_men, ratio_women, close_school, close_work, supp_income, supp_relief)

