**Group Project 3 proposal – Gonzalo, Daniel, Michael**

As a group we are analyzing the economic and labor related data provided to us by the Bureau of Labor Statistics. We will use the data to focus on employment and wage statistics across different industries and areas. We have accumulated quarterly data starting with q1 2014 through q2 2023 for all 50 states.

In addition to the county, year, and quarter columns, our areas of focus will be from the following columns:

* own\_code: i.e private, local government, state government, etc
* industry\_code: Manufacturing, construction, financial, etc
* agglvl\_code: statewide, county by domain, national private domain, etc
* size\_code: # of employees per establishment
* disclosure\_code: N or blank, suppressed or not disclosed for confidentiality purposes
* qtrly\_contributions: Quarterly contributions for a given quarter
* lq\_disclosure\_code: N or blank, suppressed or not disclosed for confidentiality purposes
* lq\_qtrly\_contributions: local concentration, national concentration, etc
* oty\_disclosure\_code: Over the year disclosure code, blank or N, suppressed or not disclosed for confidentiality purposes
* inplace=True

**Objectives**

* Identifying Key Trends: Uncover major trends in employment levels and wage rates across different industries and geographic locations.
* Industry-Specific Analysis: Determine which industries experienced significant growth or decline in employment and wages.
* Geographic Variations: Explore regional differences in labor market dynamics.
* Temporal Changes: Assess how the labor market has evolved compared to previous years.

**Rationale**

* Business Strategy: Businesses can leverage data for strategic planning, especially in human resources and market expansion.
* Academic Value: The dataset allows for academic research and analyzing labor economics.
* Historical Comparison: Can potentially serve as a benchmark to compare with subsequent years as we focus on the labor market.

Metadata: [Project-3/Csv combine -Dan.ipynb at main · mjkey2/Project-3 (github.com)](https://github.com/mjkey2/Project-3/blob/main/Csv%20combine%20-Dan.ipynb)

Github repository link: <https://github.com/mjkey2/Project-3.git>