PRESENTATION OF "THE TRADEOFF BETWEEN COVID-19 SAFETY REGULATIONS AND UNEMPLOYMENT RATES"

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RESEARCH QUESTION: WHAT ARE YOU ASKING IN THE PROJECT AND WHY THAT MATTERS

What is the tradeoff between the strictness of COVID-19 safety regulations and unemployment rates across different states in the United States and what is the simple measure of the link between policy and unemployment?

- Exploring the link between COVID-19 rules and unemployment: Looking at how strict safety measures affected job losses across different states.
- Comparing strict vs. relaxed policies: Seeing if stricter rules led to more unemployment compared to states with looser restrictions.
- Helping future policy decisions: Understanding this tradeoff can guide better choices in balancing health and the economy.

WHAT WE ALREADY KNOW AND WHAT WE DO NOT YET KNOW

- **What we know:** Stricter COVID-19 rules, like lock-downs and business closures, led to higher unemployment, while states with looser restrictions saw lower job losses.
  - 'How COVID-19 Containment Measures Affected Unemployment' by Fernando Leibovici and Matthew Famiglietti
  - They concluded two things: Stricter COVID-19 measures led to higher unemployment spikes (March–June 2020). States with stricter measures recovered faster (July–October 2020).
- **What we don't know:** The exact trade-off between public health measures and economic impact across different states.
- **What we want to find out:** How strong the connection is between regulation strictness and unemployment rates, and what this means for future policy decisions.

RESEARCH METHODOLOGY: HOW YOU WILL ADDRESS THE RESEARCH QUESTION

- 1. Collect state-level COVID-19 regulations, unemployment rates, and death counts from 2020.
- 2. Create a scatter plot to compare unemployment rates with regulation strictness and death rates.
- 3. Use Stata to analyze how strongly COVID-19 safety measures impacted unemployment.
- 4. Identify patterns and draw conclusions about the trade off between public health policies and economic impact.

OVERVIEW OF WHAT YOU HAVE SO FAR

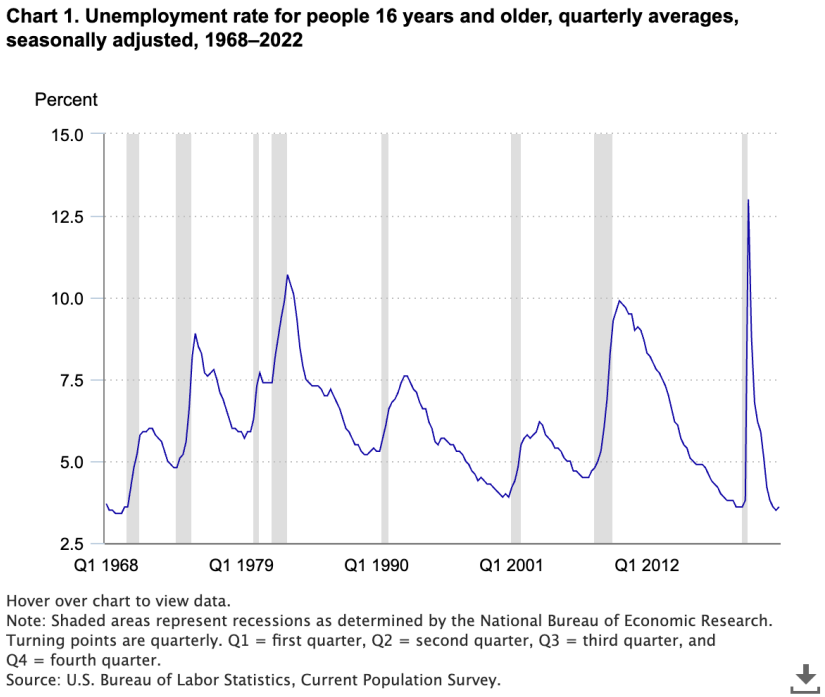


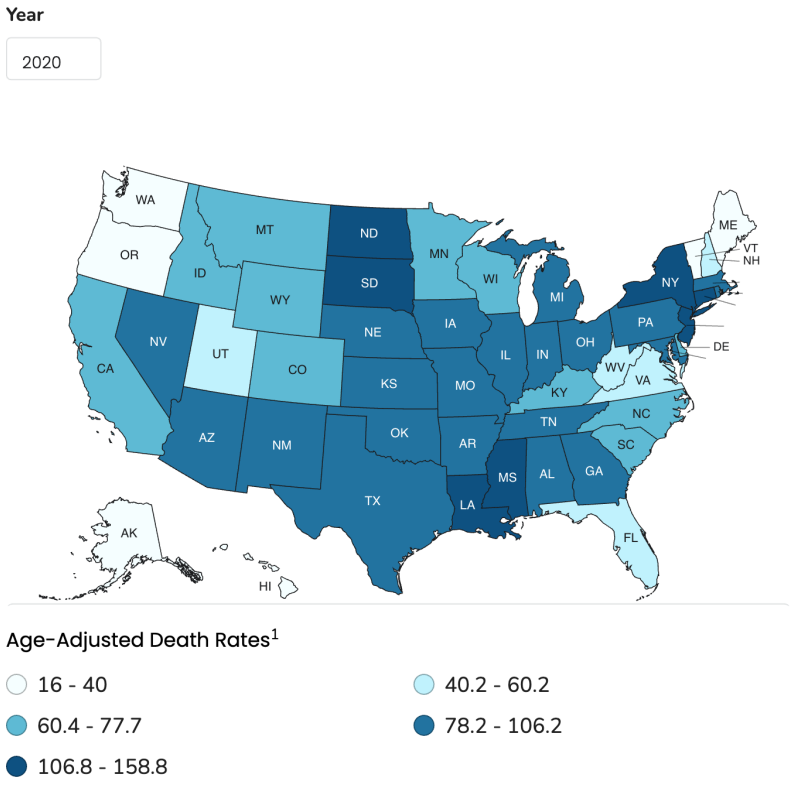
Figure: **Bureau of Labor Statistics**

I can get the unemployment rate by month for all 50 states ranging 1968 - 2022

OVERVIEW OF WHAT YOU HAVE SO FAR

National Center for Health Statistics

- I can find the COVID-19 mortality by state for each year



CONCLUSION: HURDLES AND NEXT STEPS

- **Next Steps:**
  - Creating a scatter plot comparing unemployment rates and death rates.
  - Running a regression in Stata to analyze the relationship between regulation strictness and economic impact.
- **Hurdles:**
  - Data Reliability: State-reported data on COVID-19 deaths and unemployment may have inconsistencies due to reporting delays or differences in measurement methods.
  - Causal vs. Correlation Issue: While we can identify trends, proving that stricter regulations directly caused higher unemployment is challenging due to other influencing factors.