

Modeling Labor Unrest

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Stats 418

Data Sources

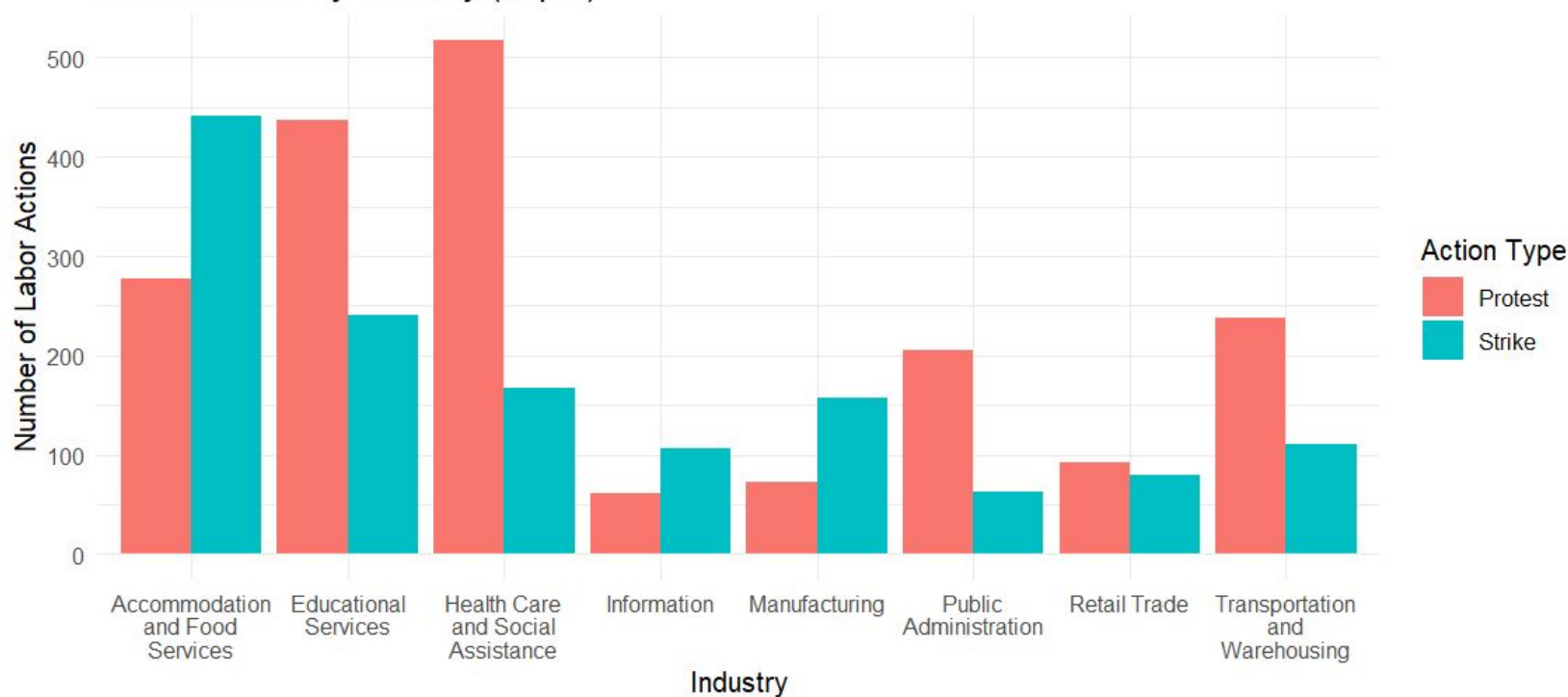
Cornell's Labor Action Tracker

- Scraped from site's JSON
- Information about workplace strikes and protests including including industry, demands, etc. since 2021

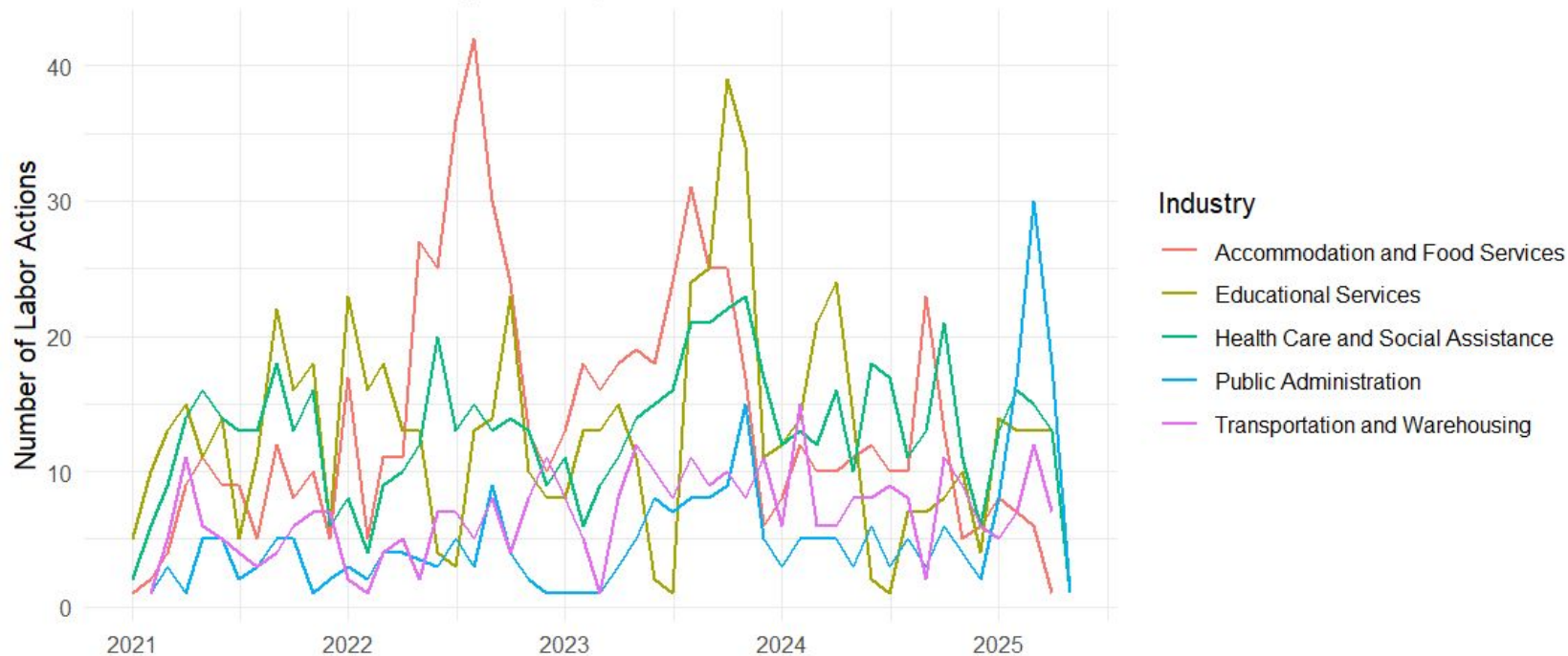
Bureau of Labor Statistics API

- Average hourly rates, unemployment rates by industry and over time

Labor Actions by Industry (Top 8)



Labor Actions over time by industry



Project Plan

- Predict probability of a labor action in a given by industry and state
 - Model using Logistic Regression or Random Forest
- App to allow users to forecast labor action