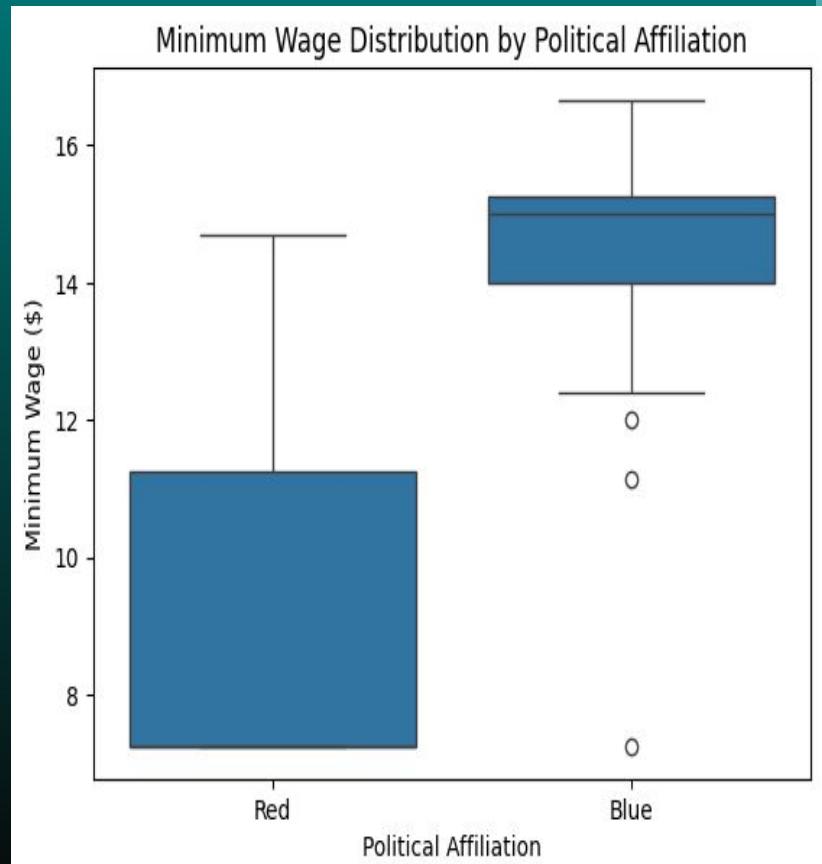


# Research Question:

Is there a relationship between a states political affiliation and its minimum wage?

## Visualization: Box Plot



## Key Findings:

- Political affiliation does matter
  - Red states pay \$4.20 less than blue states on average, controlling for cost of living
  - Strong statistical evidence ( $p < 0.001$ )
- Cost of living has a small effect
  - Cost of living coefficient is positive but small suggesting it influences minimum wage only slightly
- Box Plot
  - Blue states cluster around higher minimum wages
  - Red States cluster near the federal minimum wage (\$7.25) and have more variability

## Main Conclusion:

The results of my analysis show that there is a relationship between a states political affiliation and its minimum wage. A states political affiliation is the strongest predictor of its minimum wage level, even after controlling for differences in costs of living . The box plot clearly shows red states are associated with lower minimum wage levels while blue states have higher levels.