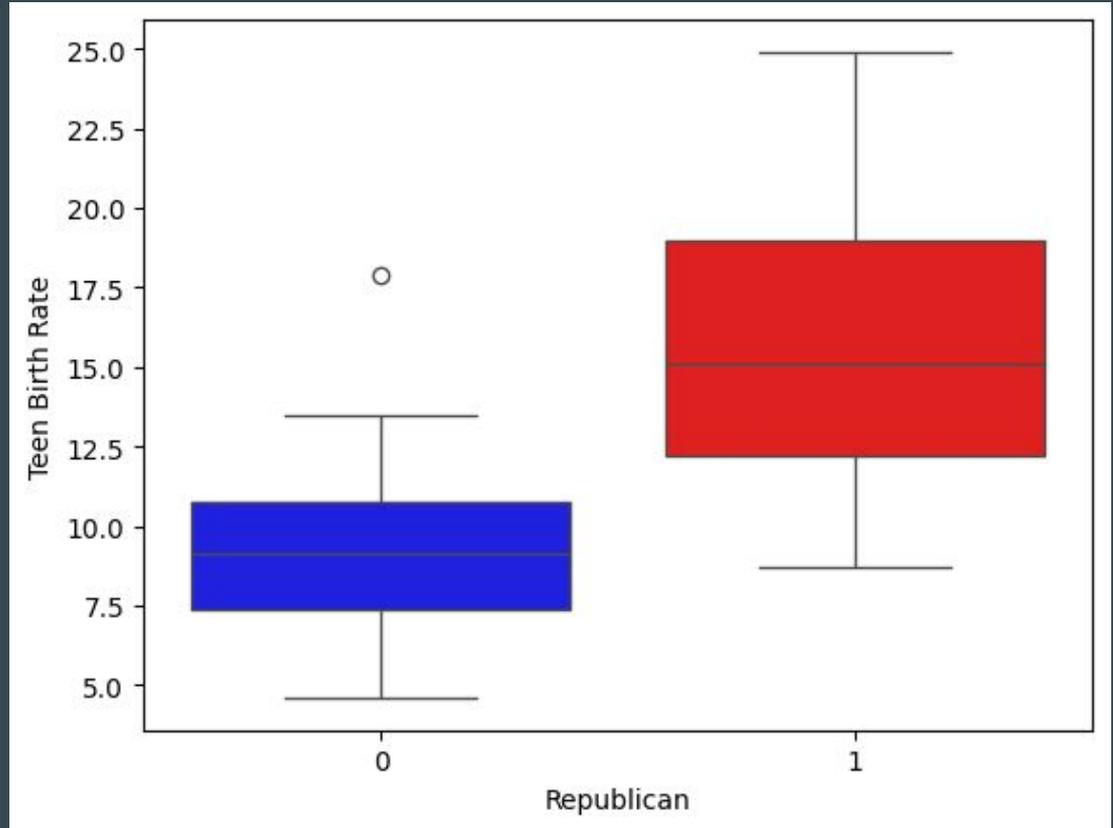


# HOW DOES STATE ECONOMY AND POLITICAL LEANING AFFECT TEEN BIRTH RATES?

- State
- Teen Birth Rate
  - Live births per 1000 females aged 15-19
- GDP Per Capita
- Republican



$$\text{Teen Birth Rate} = 19.3933 - 0.1431 * \text{GDP} + 4.6480 * \text{Republican}$$

- P Value of  $\beta_0 = 0.000$
- P Value of  $\beta_1 = 0.012$
- P Value of  $\beta_2 = 0.001$
- Increase of \$1000 in GDP Per Capita  $\rightarrow$  Decrease of .1431 in Teen Birth Rate
- Republican states have a Teen Birth Rate that is 4.6480 higher than Democratic states
- $R^2 = 0.468$

