

# Does Urbanisation Predict Election Outcomes?

## A Bayesian's Perspective

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# Introduction

- **Research Question:** How does urbanization of a particular district affect result of an election in the US?
- **Variable of Interest:** Winning party in the House of Representatives 2022 General Election (binary)

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# Dataset

We wanted to consider different factors in the analysis, with our primary focus being the urbanization of each House district. These factors included:

- 1 Demographic Data (US Census Bureau)
- 2 Urbanization (FiveThirtyEight)
- 3 Regional Information (US Census Bureau)
- 4 Election Results (FiveThirtyEight)

We combined different sources in order to create our data set containing 16 unique covariates.

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# STAN Code