Model Card*

STA302 Tutorial 12

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This model card outlines the details, intended use, factors, metrics, and intended data of a logistic regression model trained to forecast the 2024 U.S. presidential election.

Model Details

Person or organization developing model - Talia Fabregas.

Model Date: - April 2, 2024.

Model version: - Talia's Version

Model type - This is logistic regression model built using the `stan_glm` function and default priors of the `rstanarm` package. However, if we want to consider the multi-class case (where not voting and voting third-party are options), a softmax regression model can be built.

Information about training algorithms

Intended Use - The primary intended use of this model is for it to be applied to post-stratification data to forecast the 2024 U.S. presidential election. - The primary intended users are statisticians, researchers, and students interested in this subject matter. - Out-of-scope uses: Not for use on training data sets with fewer than 10,000 respondents or census data sets from before 2022.

Factors

Metrics

Model performance metrics -

Evaluation Data

Training Data

*Code and data are available at: https://github.com/taliafabs/tutorial12.git

Quantitative Analysis

Ethical Considerations

Caveats and Recommendations