

Model card for 2020 US Cooperative Election*

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Extract of the questions from @gebru2021datasheets.

Model Details

1. *What type of model is it?*

- A logistic regression model trained to predict voter preferences in the 2020 US Presidential Election.

Intended Use

1. *Who are the intended users of the model?*

- Political analysts, campaign strategists, and researchers in political science.

2. *What is the intended use of the model?*

- To predict voter turnout and preferences based on demographic and historical voting data.

Metrics

1. *What metrics are used to evaluate the model?*

- Accuracy, AUC-ROC, precision, recall, and F1 score for classification performance.

Training Data

1. *What data was used to train the model?*

- The 2020 US Cooperative Election Study dataset, supplemented with the voter file for post-stratification.

Ethical Considerations

*Code and data are available at: <https://github.com/peachvegetable/sta302-mini-essay-12-MRP>

1. *What ethical considerations were made?*

- Ensuring the privacy and anonymity of voters, avoiding model biases, and transparency in model usage and outcomes.

Caveats and Recommendations

1. *What are the limitations of the model?*

- Potential biases due to over/under-representation of certain demographic groups in the training data.

2. *Recommendations for model users.*

- Use the model with awareness of its limitations, regularly update the model with new data, and consider multiple models for comprehensive analysis.