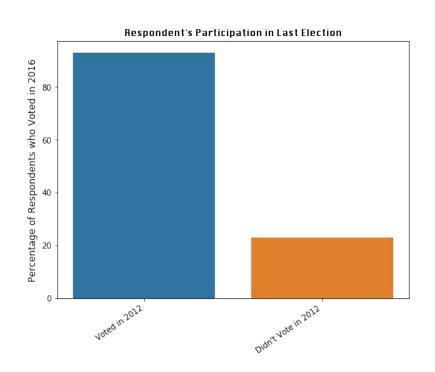
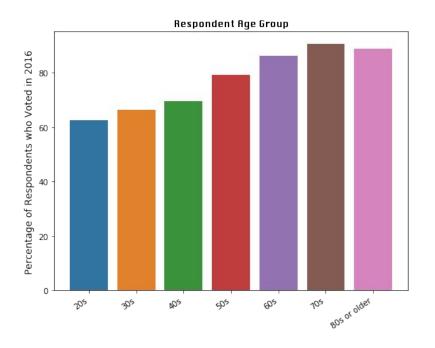


The Data

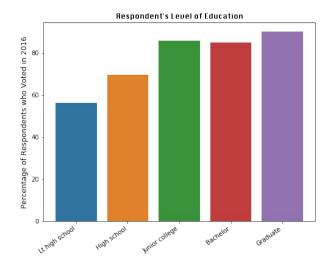
- 2018 General Social Survey (GSS)
- Variables: respondents' participation in last two elections, socio-economic info, and political attitudes
- After data cleaning:
 - 1,083 rows (survey respondents)
 - 18 columns (survey questions)
 - only eligible voters who remembered voting history

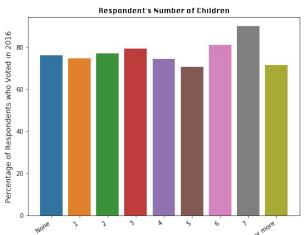
Percentage of 2016 Voters by Predictor

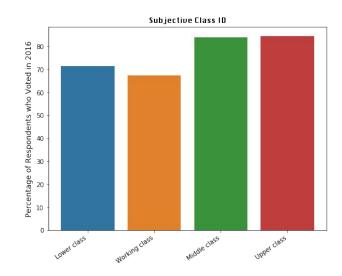


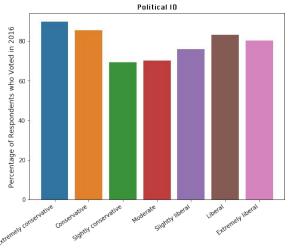






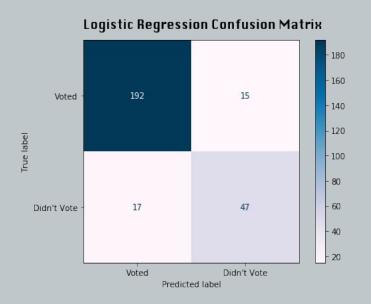








Best Classification Model: Logistic Regression

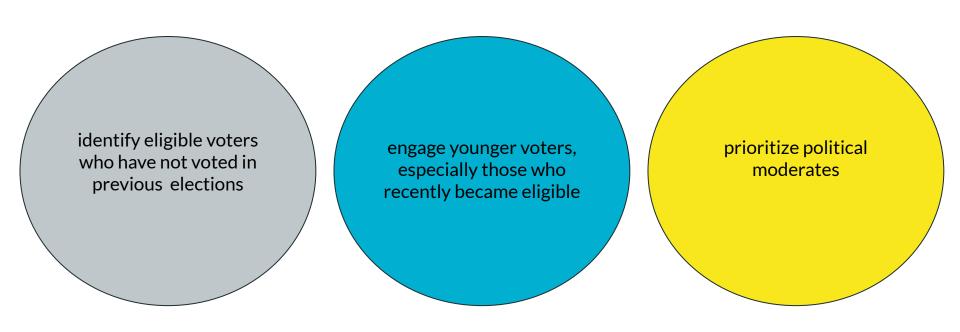


Accuracy: 88%

True Positive Rate: 73%

Recommendations

To maximize the number of potential non-voters that you reach:



Questions for Future Work

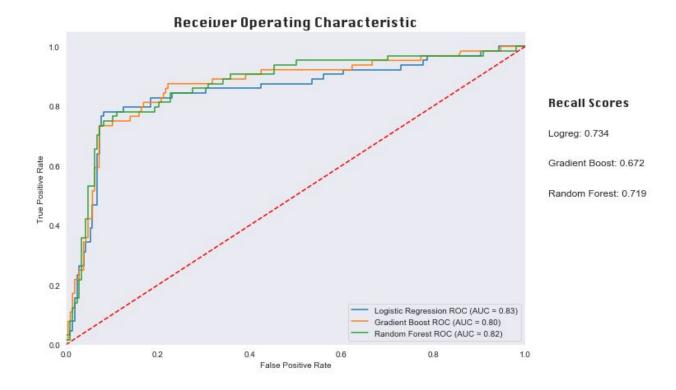
- Which voter engagement strategies are most effective at increasing voter turnout?
- What are the most significant barriers to voting among eligible voters who don't vote, but report an interest in doing so?



Thank you!

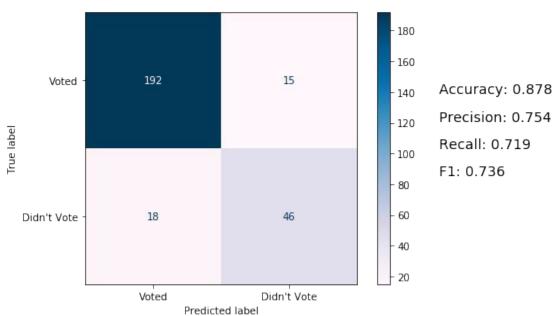
Appendix





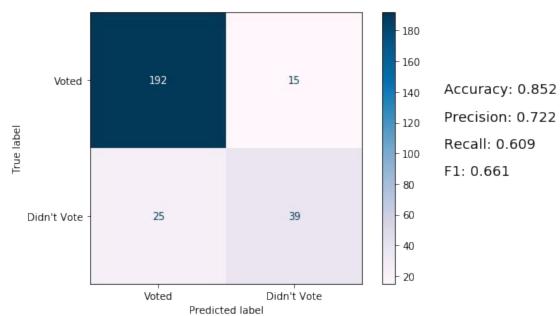


Random Forest Confusion Matrix



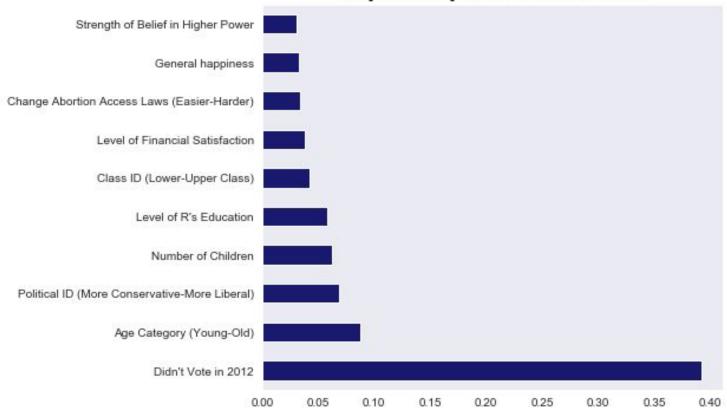


Gradient Boost Confusion Matrix





Top 10 important features





Credits

- Presentation theme from PoweredTemplate.com
- Mail-in ballot image by Tiffany Tertipes on <u>Unsplash</u>

