

Modeling the 2024 US Presidential Elections*

My subtitle if needed

Sophia Brothers Deyi Kong

October 19, 2024

First sentence. Second sentence. Third sentence. Fourth sentence.

1 Introduction

Quarto enables you to weave together content and executable code into a finished document. To learn more about Quarto see <https://quarto.org>.

2 Data

2.1 Overview

This data was analyzed using (R Core Team 2023). We also used the packages: tidyverse (Wickham et al. 2019), etc

*Code and data are available at: https://github.com/eeee-cmd/US_Election/.

2.2 Measurement

2.3 Outcome Variables

2.4 Predictor Variables

3 Model

3.1 Model Set-Up

3.2 Model Justification

```
# A tibble: 2 x 3
  CandidateName AveragePredictedPercentage NormalizedPercentage
  <chr>          <dbl>          <dbl>
1 Donald Trump    45.3          51.0
2 Kamala Harris   43.5          49.0
```

```
# A tibble: 1 x 2
  TrumpTotalElectoralVotes HarrisTotalElectoralVotes
          <dbl>          <dbl>
1             302             233
```

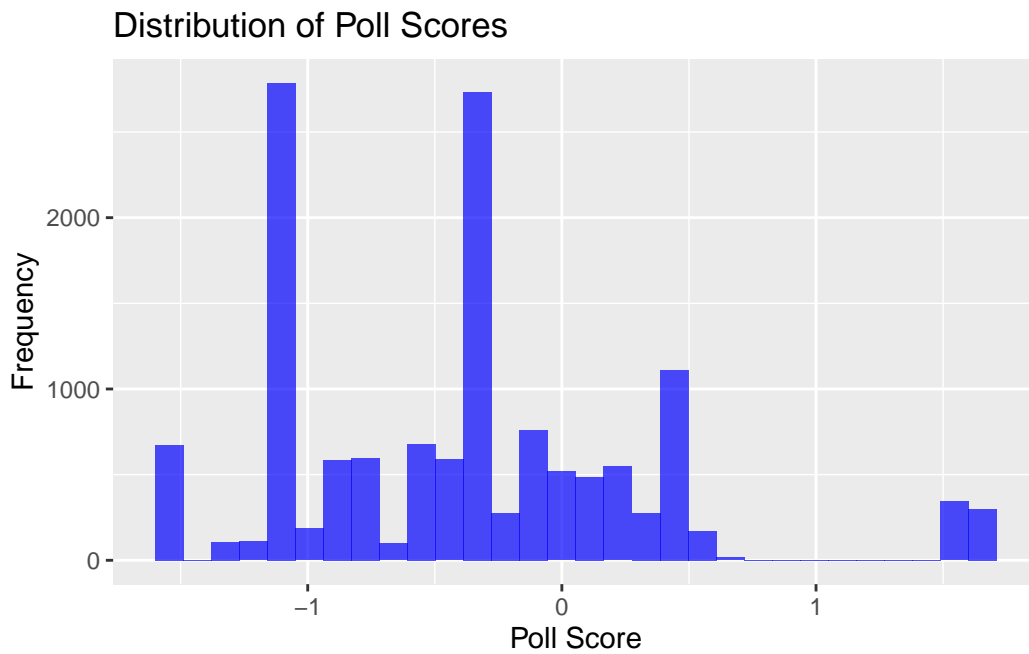
```
# A tibble: 54 x 4
  State      TrumpPredicted HarrisPredicted Winner
  <chr>          <dbl>          <dbl> <chr>
1 Alabama      56.3          30.9 Donald Trump
2 Alaska       48.5          39.8 Donald Trump
3 Arizona      46.3          42.8 Donald Trump
4 Arkansas     53.3          32.9 Donald Trump
5 California   31.9          53.7 Kamala Harris
6 Colorado     39.4          47.1 Kamala Harris
7 Connecticut  37.1          50.6 Kamala Harris
8 Delaware     36.6          50.1 Kamala Harris
9 Florida      48.6          42.4 Donald Trump
10 Georgia     46.9          43.5 Donald Trump
11 Hawaii      26.6          41.5 Kamala Harris
12 Idaho       54.2          25.2 Donald Trump
13 Illinois    38.8          48.7 Kamala Harris
14 Indiana     51.5          35.6 Donald Trump
15 Iowa        48.4          38.5 Donald Trump
```

16 Kansas	48.9	37.1 Donald Trump
17 Kentucky	54.5	30.7 Donald Trump
18 Louisiana	51.6	35.7 Donald Trump
19 Maine	40.8	45.3 Kamala Harris
20 Maine CD-1	33.8	57.0 Kamala Harris
21 Maine CD-2	46.1	43.2 Donald Trump
22 Maryland	32.0	57.2 Kamala Harris
23 Massachusetts	29.5	54.6 Kamala Harris
24 Michigan	44.9	43.9 Donald Trump
25 Minnesota	41.6	44.7 Kamala Harris
26 Mississippi	51.8	36.3 Donald Trump
27 Missouri	51.9	37.5 Donald Trump
28 Montana	53.8	35.8 Donald Trump
29 Nebraska	52.6	36.3 Donald Trump
30 Nebraska CD-2	41.7	49.5 Kamala Harris
31 Nevada	45.8	43.2 Donald Trump
32 New Hampshire	41.9	46.2 Kamala Harris
33 New Jersey	39.0	43.8 Kamala Harris
34 New Mexico	41.0	47.9 Kamala Harris
35 New York	36.3	48.1 Kamala Harris
36 North Carolina	46.6	43.6 Donald Trump
37 North Dakota	55.2	29.4 Donald Trump
38 Ohio	48.8	39.0 Donald Trump
39 Oklahoma	56.0	31.8 Donald Trump
40 Oregon	39.9	48.1 Kamala Harris
41 Pennsylvania	45.7	44.8 Donald Trump
42 Rhode Island	37.3	50.9 Kamala Harris
43 South Carolina	49.6	37.2 Donald Trump
44 South Dakota	51.9	30.2 Donald Trump
45 Tennessee	52.7	28.0 Donald Trump
46 Texas	48.1	40.4 Donald Trump
47 Utah	50.8	31.2 Donald Trump
48 Vermont	28.1	60.9 Kamala Harris
49 Virginia	41.5	44.7 Kamala Harris
50 Washington	35.9	49.9 Kamala Harris
51 West Virginia	58.4	28.3 Donald Trump
52 Wisconsin	45.3	45.5 Kamala Harris
53 Wyoming	60.1	17.5 Donald Trump
54 <NA>	NA	NA Tie

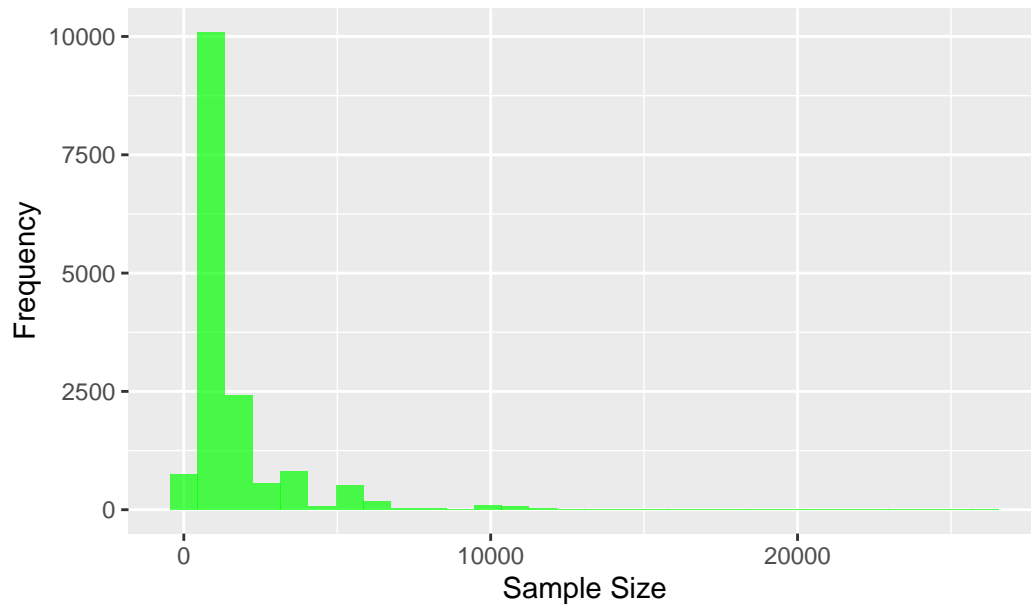
4 Results

A tibble: 1 x 4

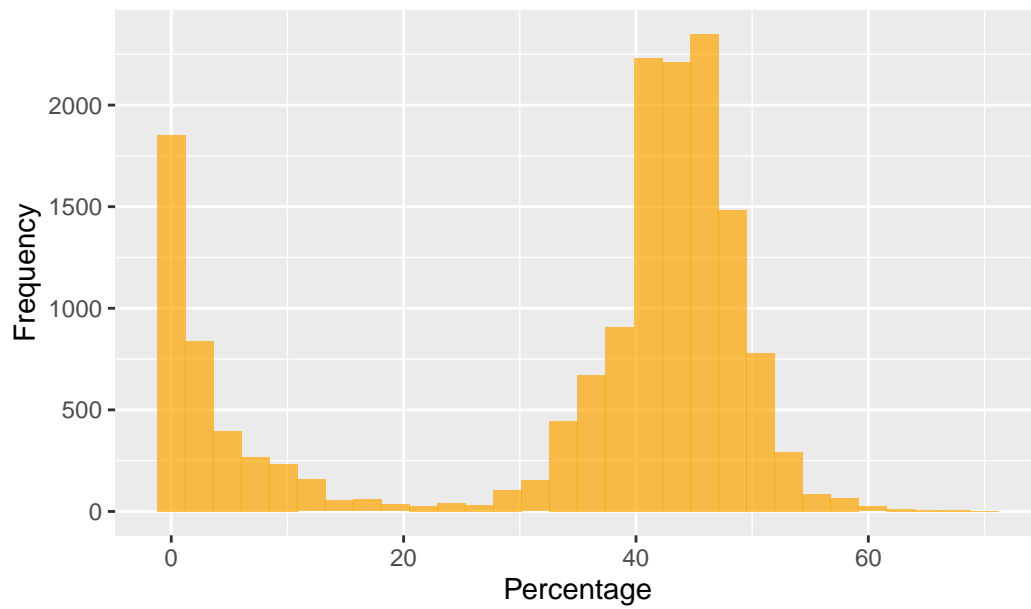
	AveragePollScore	AverageSampleSize	AveragePercentage	TotalPolls
	<dbl>	<dbl>	<dbl>	<int>
1	-0.379	1606.	33.7	15829



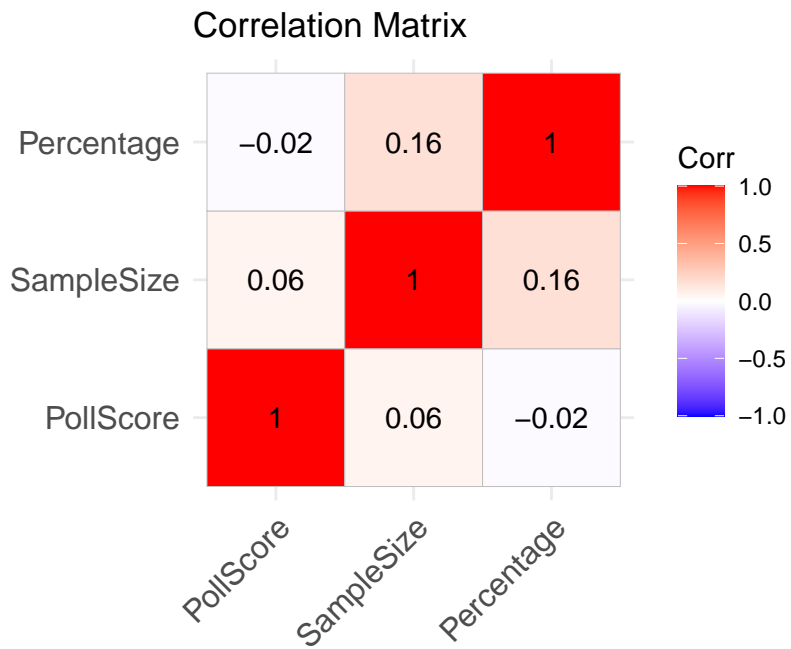
Distribution of Sample Size



Distribution of Percentage







5 Discussion

6 Appendix

6.1 Additional Data Details

6.2 Model Details

References

- R Core Team. 2023. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.
- Wickham, Hadley, Mara Averick, Jennifer Bryan, Winston Chang, Lucy D'Agostino McGowan, Romain François, Garrett Golemund, et al. 2019. “Welcome to the tidyverse.” *Journal of Open Source Software* 4 (43): 1686. <https://doi.org/10.21105/joss.01686>.