

# Group 6-Predicting 2020 Presidential Elections



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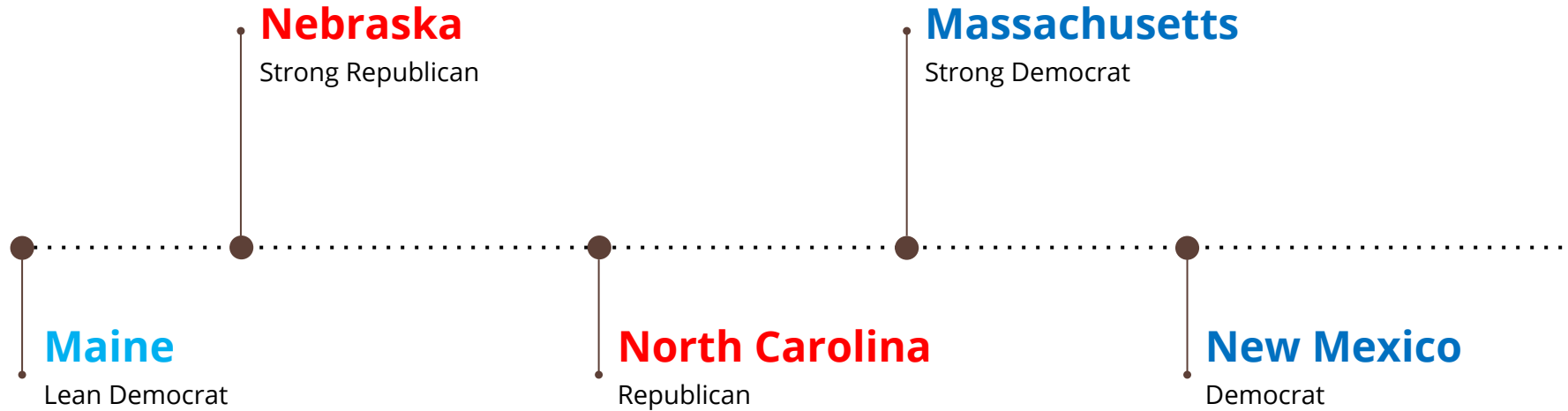
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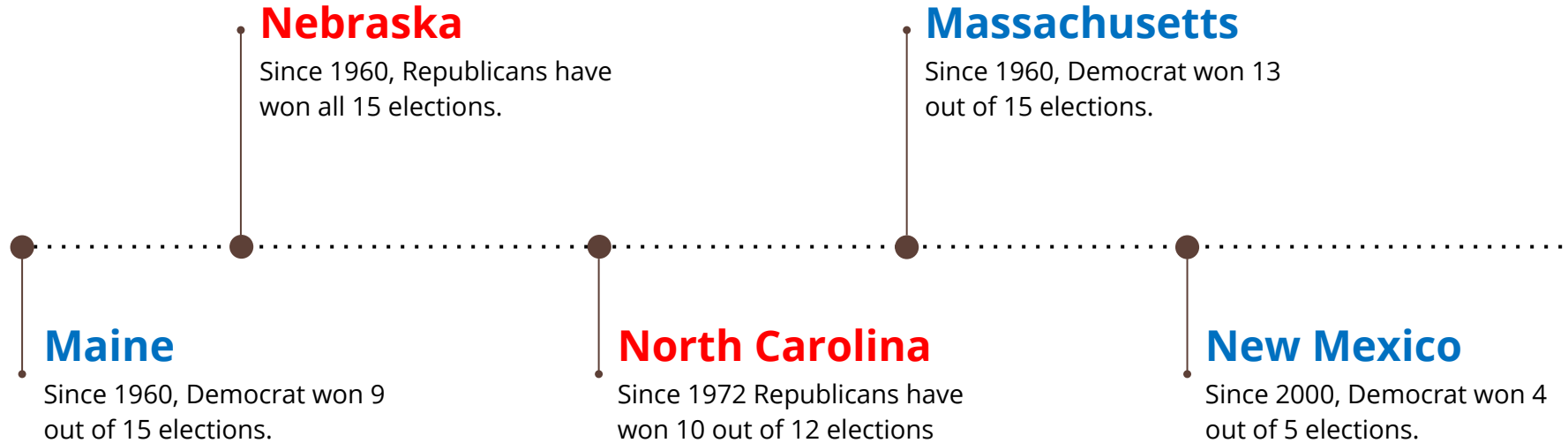
CSCI E-84 A Practical Approach to Data Science  
Harvard Extension School

# Abstract

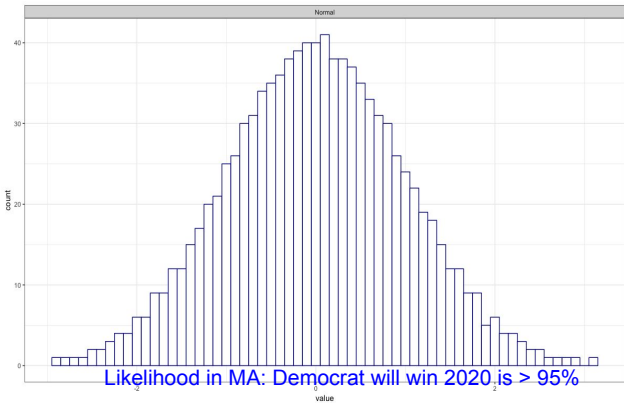
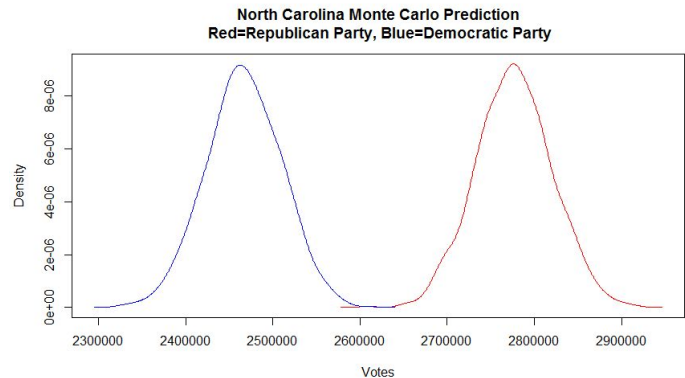


The group used R and SAS for the statistical analysis and the predicting model

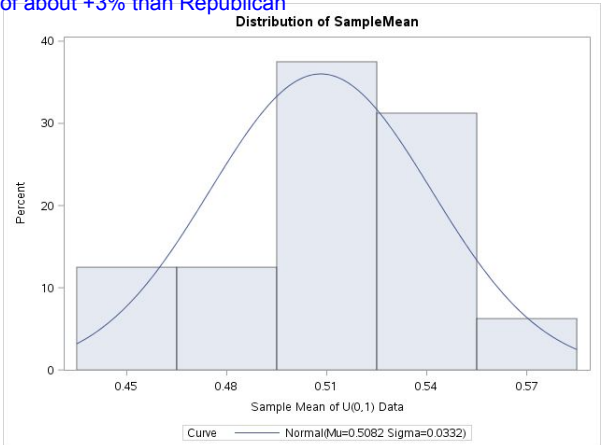
# Historic Data



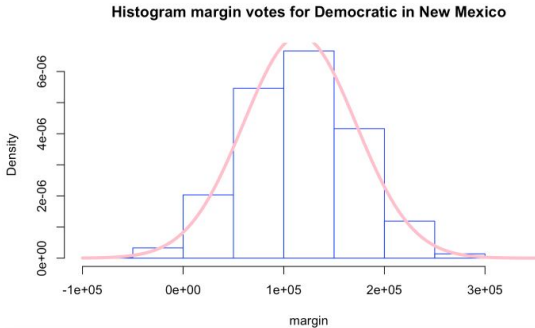
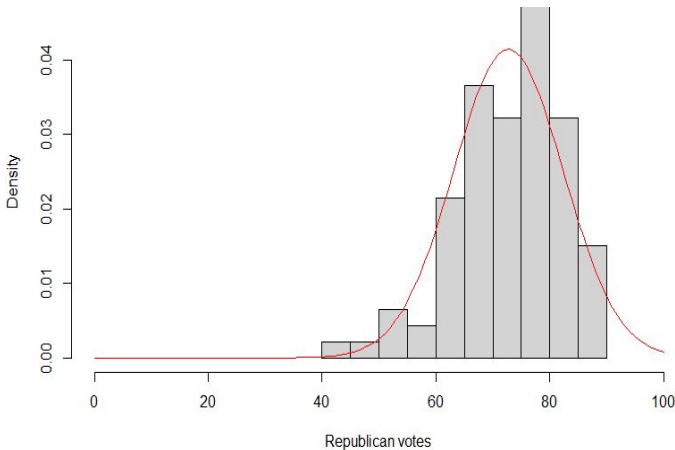
# Models



Likelihood in ME: Democrat will win 2020 by a minor difference of about +3% than Republican

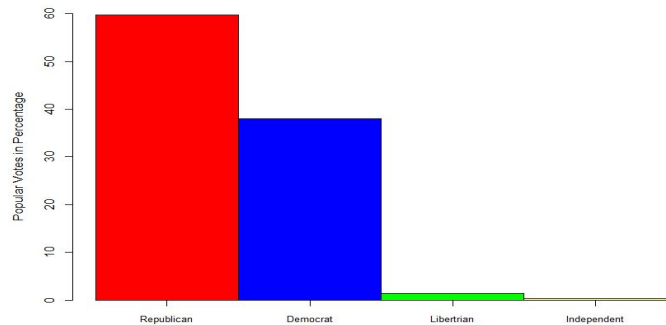


Republicans will win in Nebraska

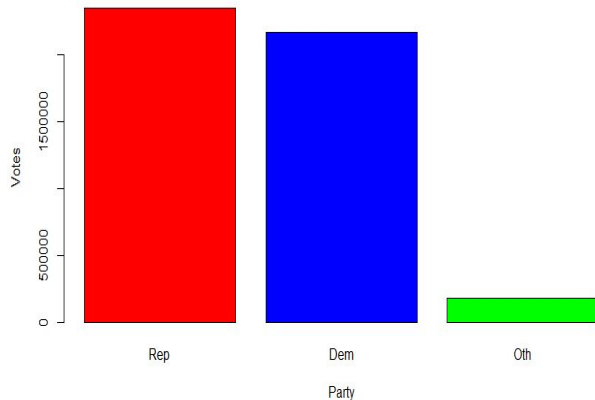


# Statistical Review

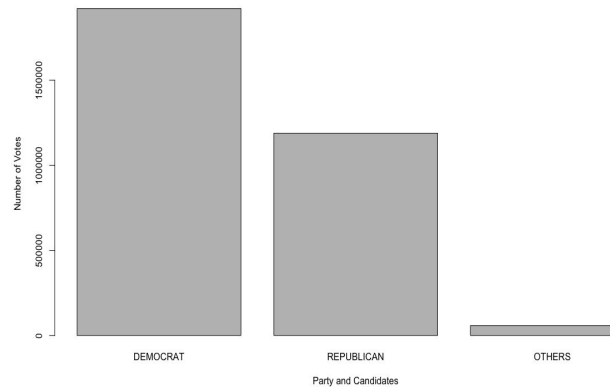
2016 Nebraska Presidential Results



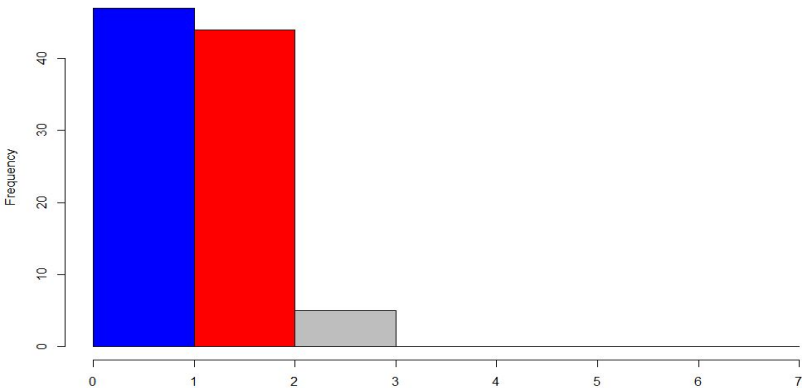
North Carolina 2016



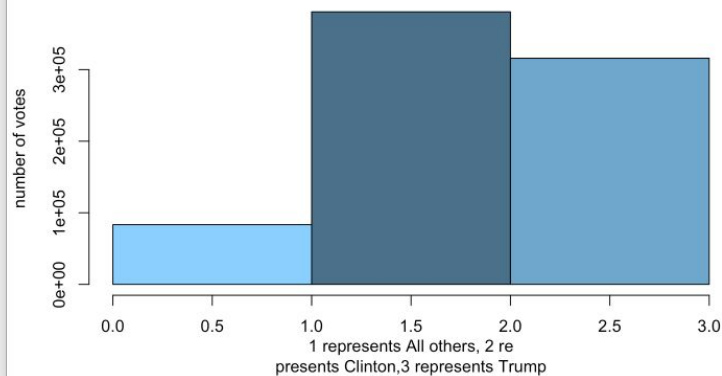
Massachusetts - Histogram for Party and Candidates



Histogram of Candidates and their winning percentages in 2016



Total Votes in NM for Candidates



# Other Statistics tests done by

Group 6

Histograms

Box Plots

Proportion Test

T-Test

Decision Tree

Chi-Square Test

Scatter plot

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# Conclusion, we predict

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## Democrat

**Maine:** 3 of 4 electoral votes  
by 50.8%.

**Massachusetts:** 11 electoral  
votes by 27%

**New Mexico:** 5 electoral  
votes by 97.86%

**Electoral votes**

**19/40**

## Republican

**Nebraska:** 5 electoral votes  
by 97.7%.

**North Carolina:** 15 electoral  
votes by 5.8 %.

**Electoral votes**

**21/40**

# Thank You!

GROUP 6

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