

Matt Burgess
April 4, 2020

Capstone: Statistical Data Analysis, Inferential Stats

In analyzing my data about election polling, many pleasant results came out of my data. To determine the reliability of a poll, I am interested in predicting the error of the poll based on various factors. Another question that I am interested in asking is how error relates to sample size, and what the lower threshold is for a small sample size to still be reliable.

That being said, the inferential statistics learned in the unit are not necessarily the most helpful means of analyzing the result of the problem. Through data exploration we explored a regression between error and sample size, as well as the general distribution of the error. Traditional inferential statistics could help us look at means and other various summary statistics, but do not provide a thorough understanding of the analysis. Using various machine learning techniques later on will provide more insight.