CWRU Data Analytics Boot Camp

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Project-II Proposal

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**Historical US Election Data Dashboard**

**Introduction**

The aim of this project is to provide a dashboard-like utility for visualizing historical US Presidential election results data. Using python programming and web-based visualization tools, the data will be presented as a set of easy to interpret interactive data charts that are sourced and updated from the same data source. User interaction will include drop-down menus, hover actions and textboxes. The end goal is to provide a means for easily visualizing election results and statistics, and analyzing historical trends that may have led to the election results swinging one way or the other.

**Methods & Tools**

***DataSources***

The primary data source for this project is the Presidential election data repository for 1976-2016, hosted by Harvard [here](https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/42MVDX). Voter turnout data from 1980 to 2018 will be sourced from the [Elect Project](http://www.electproject.org/home/voter-turnout/voter-turnout-data).

<https://qualitativedatarepository.github.io/dataverse-previewers/previewers/SpreadsheetPreview.html?fileid=3444051&siteUrl=https://dataverse.harvard.edu&datasetid=3072251&datasetversion=5.0>

Voter Turnout Data 1980-2018

<http://www.electproject.org/home/voter-turnout/voter-turnout-data>

***Views***

Pie-Chart showing Winner, Runner-up, Others

Voter Percentages by year

Maps of Votes by year

Bar charts for historical trends