# UPenn Data Analysis and Visualization - Project Proposal

*1 Project Title*

Polling Project

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*2 Team Members*

Adesola Fakiyesi
Shayna Chernak
Vanessa Howell
Raj Ramachandran
Kendall Sisk

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*3 Project Description/Outline*

The team plans to predict 2020 election results by looking at early voting trends, comparisons to 2016 data, polling trends, and demographics.

Project Question: Does mail in ballots have a positive correlation with a democratic presidential winner?

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*4 Research Questions to Answer*

*Early voting count - In 5 swing states*
*(Florida, Georgia, Pennsylvania, Michigan , Wisconsin)  → everyone gets 1 state*
   *Hypothetical sampling*
       *Look at total count: % Reublican/Democratic*
       *Look at demographics for early voting (age, gender, race)*
       *Use this by comparing to typical demographics in party lines*

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*5 Datasets to be Used*

Resources:
Realclearpolitics.com

https://electproject.github.io/Early-Vote-2020G/index.html
http://www.electproject.org/home/voter-turnout/voter-turnout-data
https://drive.google.com/file/d/1JZEUGyY15wPJththLrkVtPbmkoZBp7y6/view?usp=sharing

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*6 Rough Breakdown of Tasks*

Every team member will receive a swing state to analyze. *(Florida, Georgia, Pennsylvania, Michigan , Wisconsin)*

*Kendall Kisk -Florida*
*Vanessa Howell  -Georgia*
*Shayna Chernak  - Pennsylvania*
*Raj Ramachandran -Wisconsin*
*Adesola Fakiyesi - Michigan*

*The data for each state is different but we will attempt to analyze each state in the same way.*

1) *Look at Total Count Numbers*
   a) *Mail in vs not*
   b) *Democratic v Republican -total voted*

2) *Compare Demographics of Early Voters to what party lines these demographics normally fall into*