Weekly Project SCRUM Report

Date: 03/03/21

Project Name: Baystate Banner: LatinX Republican Support

Team Members:
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Tasks Completed this Week:

We had completed the data processing steps, which include the following:

1. Import necessary lib pandas and numpy
2. Import demographic csv and convert to pandas dataframe using pandas.readcsv()
3. Look through data to identify key attributes (zip (changed from int to string and fill missing zip code digits with zeros), estimate total pop, estimate mex pop, estimate pr pop, estimate cuban pop, est other latino pop, est voting age pop (18 and over)
4. Rename columns to simplify column names
5. Assign city names to respective zip codes
6. Append city names
7. Convert election into pandas dataframes
8. Keep key attributes (city town, pct, candidate votes, total votes)
9. Finished and submitted deliverable 0
10. Revised project proposal by removing strategic questions that don't align with client's goals for this project

Plans for Next Week:

- Line up tract with precincts (visually by comparing precinct size for voter data and tract size for demographic data) and match shapefile with data
- Use census tracts data: geomap, tracts, MA, and match tract to the precincts
- Learn how to use Geopanda (still waiting for Lingyan to appoint specialist)

Obstacles and Questions:

- It will be difficult to combine data frames because we cannot correspond the precincts from the demographic data to the zip codes in the election data
- Worst case scenario, should we combine data frames based on the city?
- Should we organize election data based on Republicans vs Non Republicans rather than including all different political parties?

When is the next meeting with the client?
Next client meeting on 03/10