MGGG Georgia

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State: Georgia

Organization: MGGG

Date Updated: 07/13/2020

1. Is raw data available?

Yes
- Accessible files:
  - Files that were listed by MGGG
    - Precinct shapefile
      - Georgia General Assembly Legislative and Congressional Reapportionment Office's website
      - Note: 2016 Precinct shapefile
      - 05/26/20
    - Congressional districts shapefile
      - Georgia General Assembly Legislative and Congressional Reapportionment Office's website
      - 2012 shapefile
      - 05/26/20
    - Precinct-level election data
      - MIT Elections Data and Science Lab
      - Note: both State and Presidential precinct 2016 data
    - Block-level demographic data
      - Census API
      - 2010 Decennial Census
      - 05/26/20
  - Files that were not listed by MGGG
    - Block-level Census Shapefile
    - https://catalog.data.gov/dataset/tiger-line-shapefile-2017-2010-state-georgia-2010-census-block-state-based

- - ■ 05/26/20
  - Inaccessible files:
    - ○ N/A
  - Note of data documentation:
    - ○ Links to raw source files work, but it isn't clear which file years were used for processing. I deduced from their final file that they use the 2016 precinct shapefile, and 2012 congressional district shapefile. A census block-level shapefile was also needed to aggregate data, but was not listed in MGGG's data documentation.

2. Processing steps available?

Yes
  - Description of processing steps:
    - ○ Straight forward methodology, lacking in details
      - ■ Processing steps are clear but there are very few written details on how they are performed.
    - ○ Demographic data were aggregated from the census block level and precincts were assigned to districts using MGGG's proration software. -- https://github.com/mggg/maup
    - ○ 06/01/20
  - Information not in their processing steps:
    - ○ After taking a look at their processing, it is clear that they use a census block level shapefile to aggregate data, which I got from the Census website.
    - ○ I started cleaning the election results in order to merge to block shapefile realizing that precinct names did not match. Cleanup of election data would be beneficial to have. Asking MGGG before preceding.

3. Able to replicate joining election data and shapefiles?

No
  - Election data from the MIT Elections Data and Science Lab was cleaned by MGGG staff in order to join it to the 2016 precinct shapefile. Waiting on MGGG's response since it looks like they did a lot of precinct name matching

4. Able to replicate joining demographic data to block-level shapefiles?

NA
  - It could be joined, did not proceed based on #3

5. Able to replicate joining boundary data?

NA

- Did not reach this step due to being unable to complete #3 election data join

6. Successfully ran validation?

NA

- Did not reach this step due to being unable to complete #3 election data join