MGGG WI

State: Wisconsin

Organization: MGGG

Date Updated: 12/9/2020

Note: The MGGG file has been updated since this validation report was completed. This report applies to the 2011 WI file.

1. Is all raw data available?

No
- Accessible files:
  - MGGG uses data processed by LTSB at LTSB GIS Open Data Portal which contains election results, demographic information, and shapefiles at the ward level
    - Date accessed: 12/9/2020
    - Source: WI Legislative Technology Services Bureau (LTSB) GIS Open Data Portal
- Inaccessible files:
  - Attorney General 2012 election results
    - There was no Attorney General 2012 election, however election results are present in MGGG file

2. Processing steps available?

Yes
- Description of processing steps:
  - MGGG used LTSB's election data that has been disaggregated at the reported multiple-ward level to ward level using voting age population
  - MGGG is currently working to disaggregate votes using voting eligible population instead
  - Topology errors on the LTSB raw shapefile makes it impossible to run MGGG's Markov Chain
  - MGGG ran check_shapefile_connectivity.py to fix topology errors
  - MGGG resolved the topology errors when creating the file but unable to resolve these errors during the validation process because code has since deprecated

- Information not in their processing steps:
  - How they processed Attorney General 2012 election results

3. Able to replicate joining election data and shapefiles?

N/A- Did not need to. MGGG used a file from LTSB that contains joined election data, demographic data, and boundary data

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

N/A- Did not need to. MGGG used a file from LTSB that contains joined election data, demographic data, and boundary data

5. Able to replicate joining boundary data?

N/A- Did not need to. MGGG used a file from LTSB that contains joined election data, demographic data, and boundary data

6. Successfully ran validation?

No-Found inconsistencies between MGGG and LTSB reported file. Inconsistent data is described below

- Election Returns
  - 2012
    - Attorney General 2012
      - There was no Attorney General 2012 Election, but there is data for this election in MGGG's file

  - 2014
    - US Senate 2014
      - LTSB has rectified a mistake from an earlier version of the dataset
      - Wisconsin 2014 State Senate was listed as US Senate 2014 Election, LTSB has since updated their file but MGGG has not
    - Attorney General 2014
      - Only 71% of the wards between the LTSB file and MGGG's file matches up for the 2014 Attorney General Election