VEST NJ 2016

RDH Criteria	Explanation

Is all raw data available?
 	
Yes
	<u>**Accessible files:**</u>
	● VEST NJ 16 data file
	    ○ Accessed 09/09/21, Source: VEST
	    ○ https://dataverse.harvard.edu/file.xhtml?fileId=4300243&version=74.0
	● VEST NJ 16 documentation file
	    ○ Accessed: 09/09/21, Source: VEST
	    ○ https://dataverse.harvard.edu/file.xhtml?fileId=5425593&version=74.0
	● NJ Precinct-Level Election Results
	    ○ Accessed: 11/18/21, Source: Open Elections
	    ○ https://github.com/openelections/openelections-data-nj
	● NJ Municipal Wards 2021 Shapefile
	    ○ Accessed: 11/18/21, Source: New Jersey Geographic Information Network
	    ○ https://njogis-newjersey.opendata.arcgis.com/datasets/election-districts-for-new-jersey
	● Camden Election Results
	    ○ Accessed: 11/19/2021
	    ○ Source:https://www.camdencounty.com/service/voting-and-elections/election-results/
	● Hudson Election Results
	    ○ Accessed: 11/19/2021
	    ○ Source: https://www.hudsoncountyclerk.org/elections-archives/
	● Burlington Election Results
	    ○ Accessed: 11/19/2021

- Source:https://press.co.burlington.nj.us/PRESS/clerk/Election.aspx?op=ELE
- Hunterdon Election Results
  - Accessed: 11/19/2021
  - Source:https://www.co.hunterdon.nj.us/election/voterhistory/votes.html
- Middlesex Election Results
  - Accessed: 11/19/2021
  - Source:https://mcgisweb.co.middlesex.nj.us/elections/historic/results?e=2016-11-8
- Warren Election Results
  - Accessed: 11/19/2021
  - Source:https://www.state.nj.us/state/elections/assets/pdf/election-results/2016/2016-gen-elect-presidential-results-warren.pdf

Processing steps available? Yes	Description of processing steps: The full processing steps can be accessed at the link above and were accessed on 09/09/21. Part of the documentation is copied below:

- Election results primarily from individual county canvass reports via OpenElections (https://github.com/openelections/openelections-data-nj/). Results from Burlington, Camden, Middlesex, and Warren counties were partly or wholly replaced using the Statement of the Vote from the respective counties.
- Precinct shapefile from New Jersey Geographic Information Network (https://njogis-newjersey.opendata.arcgis.com/datasets/election-districts-for-new-jersey). Naval Weapons Station Earle in Monmouth County was added as an unassigned district.
- All counties except Middlesex, Sussex, and Warren report mail votes and provisional votes at the municipal and/or ward level. Essex, Gloucester, Hudson, Monmouth, Ocean, and Union further subdivide these vote types by other districts on the same ballot. Camden, Cape May, Essex, Gloucester, Hudson, Monmouth, Morris, Sussex, and Warren report overseas ballots countywide or by congressional district. All votes were distributed by candidate to precincts based on their share of the precinct-level reported vote of the respective reporting unit.
- The following modifications to the shapefile were made to reverse changes in precinct boundaries enacted since 2016:
  - Gloucester: Merge Glassboro 1/13
  - Hudson: Merge Jersey City Ward E 9/24, 6/25; Realign Union City Ward 9 precincts

	○ Passaic: Merge Pompton Lakes 3/6 ○ Union: Merge Elizabeth City W1 6/9, W2 2/11, W3 10/13, W4 7/10; Adjust Elizabeth City W2 4/7, 6/7, W3 3/6, W6 ⅙ **Information not in their processing steps:** ● List of precinct name changes from Election Results. ● Exact changes to Hudson and Union precincts.
Able to replicate joining election data and shapefiles? N/A	We did not attempt to join election data and shapefiles at this time due to the work required to filter out the absentee results from the precinct-level election results prior to the join.
Able to replicate joining demographic data to block-level shapefiles? N/A	There is no demographic data on the file.
Able to replicate joining boundary data? N/A	There is no boundary data on the file.
Successfully ran validation? No	**Election results:** No ● We validated election results at two different levels: ○ Statewide candidate vote totals ○ Countywide candidate vote totals

- At the statewide total level, the election results matched VEST's. The totals also matched those of NJ's election summary report (https://www.state.nj.us/state/elections/assets/pdf/election-results/2016/2016-official-general-results-president-1206b.pdf).
- At the countywide total level, the totals also matched VEST's. The countywide totals also matched those of NJ's election summary report (https://www.state.nj.us/state/elections/assets/pdf/election-results/2016/2016-official-general-results-president-1206b.pdf).
- We did not attempt to validate precinct level results at this time.

Geographies: Yes
- Although we did not join the shapefiles to election results, we were able to join and compare the source shapefile against VEST's. We were able to validate geographies for 6338 of the 6339 precincts. The precinct we were unable to validate was the Naval Weapons Station Earle in Monmouth County that was added by VEST.
- Out of 6338 total precincts:
  - 6322 precincts w/ a difference of 0 km^2
  - 16 precincts w/ a difference between 0 and 0.1 km^2
  - 0 precincts w/ a difference between 0.1 and 0.5 km^2
  - 0 precincts w/ a difference between 0.5 and 1 km^2
  - 0 precincts w/ a difference between 1 and 2 km^2
  - 0 precincts w/ a difference between 2 and 5 km^2
  - 0 precincts w/ a difference greater than 5 km^2