VEST NM 2016

Election Results Validation Report

To request a full validation report for this data file, email info@redistrictingdatahub.org

State: New Mexico
Organization: Voting and Election Science Team (VEST)
Summary of Races included: Presidential, Secretary of State, Justice of the Supreme Court, Judge of the Court of Appeals [General Election]
Date File Updated: 06/08/2021
Date Report Updated: 09/17/2021
RDH Validation Code (Github):
https://github.com/nonpartisan-redistricting-datahub/pdv-nm/tree/main/vest-nm-2016

RDH Criteria	Explanation

Is all raw data available?
 	
Yes
	<u>Accessible files:</u>
	● Precinct-level Election Results, 2016
	   ○ Date accessed: 08/17/2021, Source: Secretary of State
	   ○ http://electionresults.sos.state.nm.us/?eid=84
	   ○ Note: Selected 'Federal' or 'Statewide Offices', then chose 'EXPORT' and downloaded 'Precinct' data for each election
	● VEST NM 2016 Data File
	   ○ Date accessed: 08/17/2021, Source: VEST on the Harvard Dataverse
	   ○ https://dataverse.harvard.edu/file.xhtml?persistentId=doi:10.7910/DVN/NH5S2I/GYKA9U&version=67.0
	● VEST NM 2016 Documentation
	   ○ Date accessed: 08/17/2021, Source: VEST on the Harvard Dataverse
	   ○ https://dataverse.harvard.edu/file.xhtml?fileId=5007728&version=67.0
	● NM Precinct Shapefiles
	   ○ Date accessed: 09/17/2021, Source: New Mexico Legislature
	   ○ https://www.nmlegis.gov/Redistricting/
	● 2020 Redistricting Data Program Final Release (NM Partnership Shapefile)
	   ○ Date accessed: 08/17/2021, Source: U.S. Census Bureau
	   ○ https://www.census.gov/geo/partnerships/pvs/partnership19v2/st35_nm.html

Election results validated for every candidate statewide?

Yes

For the precinct-level file that we were able to download, precinct vote totals that equaled less than 5 votes were obfuscated. As a result, at the statewide total level, the election results did not match VEST's. Our totals also did not match those of New Mexico's election summary report (https://electionresults.sos.state.nm.us/?eid=84), but VEST's did.

We are not sure if VEST obtained an election results file without these obfuscations or whether they allocated the votes back into the data somehow.

Election/ Candidate	RDH Total	NM SOS Total	Difference (RDH & NM SOS)
G16PRERTRU	319638	319667	29
G16PREDCLI	385163	385234	71
G16PRELJOH	74402	74541	139
G16PREGSTE	8031	9879	1848
G16PREIMCM	3837	5825	1988
G16PRECCAS	159	1514	1355
G16PRESLAR	85	1184	1099
G16PREAROC	0	475	475
G16SOSRESP	334720	334733	13
G16SOSDOLI	433193	433227	34
G16SSCRNAK	396294	396303	9
G16SSCDVIG	365753	365790	37
G16SACRFRE	357822	357837	15
G16SACDVAR	395173	395227	54

Election results validated for every candidate by county? **Yes**	At the county total level, the election results did not match VEST's due to the obfuscated votes. The county totals also did not match those of New Mexico's election summary report. (https://electionresults.sos.state.nm.us/?eid=84). VEST's results matched those of New Mexico's election summary report.
Election results validated for every candidate by precinct? **Yes**	At the precinct level, the election results did not match VEST's (63 out of 1492 precincts matched). The difference is caused by the missing record of votes. The average difference was ~2 votes and the max difference between the election results and VEST was 5 votes and any precinct with a difference had no more than 5 votes for that candidate, so all differences are due to obfuscations. There have been a few minor changes to all the precinct names in both VEST and election results to match the way the precinct names were written. Then 127 of the precincts required second minor name changes.