

Voting*

Emily Su

2024 February 13

Abstract.

Table of contents

1	Introduction	1
2	Data	1
2.1	Source	1
2.2	Methodology	1
2.3	Measurements	2
3	Results	2
4	Discussion	2
	Appendix	3
.1	Acknowledgments	3
.2	Datasets Used	3
.3	Tables from Results	3
	References	10

*Data and code are available at: <https://github.com/ moonsdust/toronto-collisions>.
The replication on Social Science Reproduction Platform can be found here:
<https://www.socialsciencereproduction.org/reproductions/c0db16d9-e70e-4bbc-85d2-f7137a0e8c47/index>

1 Introduction

2 Data

2.1 Source

2.2 Methodology

The datasets were retrieved, simulated, cleaned, analyzed, and tested using the R programming language (R Core Team 2023), `tidyverse` (Wickham et al. 2019), `haven` (Wickham, Miller, and Smith 2023), `knitr` (Xie 2014), `janitor` (Firke 2023), `dplyr` (Wickham et al. 2023), `ggplot2` (Wickham 2016), `sf` (Pebesma and Bivand 2023), `readr` (Wickham, Hester, and Bryan 2024), and `dataverse` (Kuriwaki, Beasley, and Leeper 2023).

2.3 Measurements

3 Results

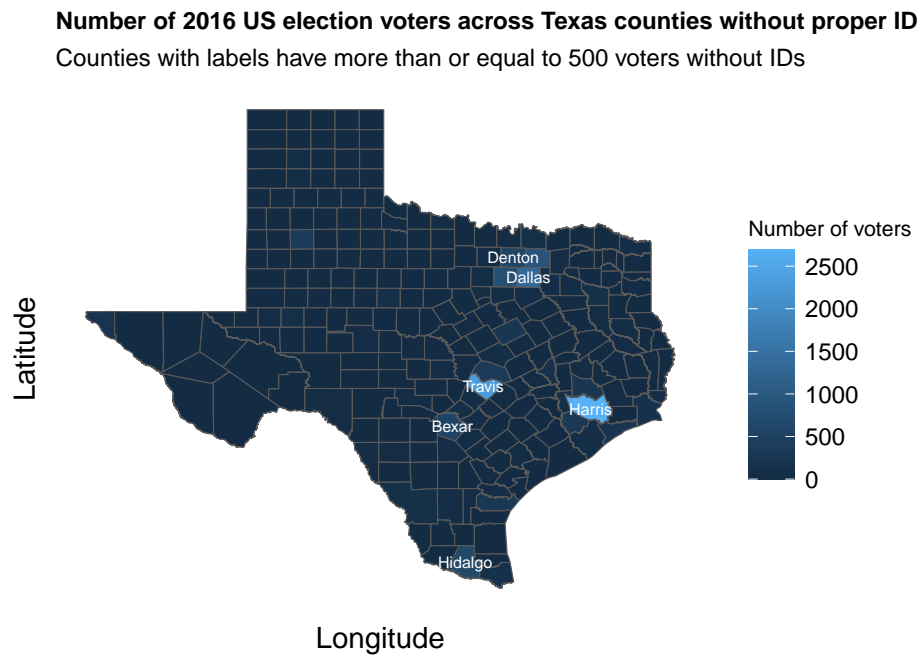


Figure 1: Number of voters across Texas counties during 2016 United States election without proper ID

4 Discussion

Appendix

.1 Acknowledgments

We would like to acknowledge Alexander (2023) for some of the R code used in this paper to produce the tables and graphs.

.2 Datasets Used

Due to the length of the datasets horizontally, presenting glimpses of the datasets was not possible in the paper. However, the cleaned datasets that was used can be found here: https://github.com/moonsdust/voting/tree/main/data/analysis__data.

.3 Tables from Results

Table 1: Number of United States election voters across Texas counties in 2016 without IDs

County	Number of Voters
Harris	2696
Travis	2303
Dallas	1335
Collin	907
Tarrant	782
Hidalgo	637
Bexar	562
Denton	549
Lubbock	374
Williamson	370
Fort Bend	313
Nueces	286
Montgomery	270
Mclennan	262
El Paso	216
Galveston	212
Brazos	146
Jefferson	142
Cameron	134
Smith	106
Webb	105
Waller	102

Table 1: Number of United States election voters across Texas counties in 2016 without IDs

County	Number of Voters
Midland	100
Comal	99
Grayson	95
Taylor	91
Rockwall	91
Ellis	78
Bell	73
Randall	71
Bowie	71
Johnson	70
Guadalupe	67
Kaufman	65
Wichita	63
Brazoria	62
Parker	62
Gregg	56
Potter	55
Victoria	53
Nacogdoches	52
Wilson	52
Van Zandt	50
Harrison	50
Ector	45
Hays	43
Cherokee	41
Bastrop	41
San Jacinto	41
Henderson	39
Maverick	38
Duval	37
Hood	36
Atascosa	33
Hunt	33
Angelina	33
Cooke	32
Llano	32
Tom Green	32
Burnet	31
Caldwell	30

Table 1: Number of United States election voters across Texas counties in 2016 without IDs

County	Number of Voters
Washington	30
Orange	29
Jim Wells	29
Kerr	28
Aransas	28
Wise	28
San Patricio	26
Liberty	25
Walker	25
Val Verde	24
Zavala	23
Kleberg	21
Coryell	21
Fannin	20
Navarro	19
Hamilton	19
Erath	18
Shelby	17
Freestone	17
Brooks	17
Robertson	17
Hutchinson	16
Lee	16
Austin	16
Gillespie	16
Medina	16
Limestone	16
Young	15
Palo Pinto	15
Leon	15
Rains	14
Scurry	14
Callahan	13
Colorado	13
Matagorda	13
Lamar	12
Kendall	12
Titus	12
Jasper	12

Table 1: Number of United States election voters across Texas counties in 2016 without IDs

County	Number of Voters
Howard	11
Bosque	11
Runnels	11
Polk	11
Milam	11
Andrews	10
Fayette	10
Wharton	10
Refugio	10
Wood	10
Burleson	10
Upshur	10
Anderson	9
Real	9
Calhoun	9
Hockley	9
Willacy	9
Shackelford	9
Moore	8
Kimble	8
Chambers	8
Uvalde	8
Lavaca	8
Archer	8
Gray	7
Panola	7
Lampasas	7
Tyler	7
Somervell	6
Floyd	6
Jim Hogg	6
Grimes	6
Terry	6
Wheeler	5
Hardin	5
Bandera	5
Frio	5
Cass	5
Dallam	4

Table 1: Number of United States election voters across Texas counties in 2016 without IDs

County	Number of Voters
Lipscomb	4
Deaf Smith	4
Nolan	4
Fisher	4
Upton	4
Madison	4
Red River	3
Comanche	3
Blanco	3
Hale	3
Lamb	3
Franklin	3
Morris	3
Hopkins	3
Pecos	3
Hemphill	2
Coleman	2
Culberson	2
Brown	2
Edwards	2
Goliad	2
Live Oak	2
Bailey	2
Kenedy	2
Camp	2
Marion	2
Stephens	2
Houston	2
Jeff Davis	2
Garza	2
Ochiltree	1
Hartley	1
Clay	1
Martin	1
Winkler	1
Coke	1
Jackson	1
Karnes	1
Bee	1

Table 1: Number of United States election voters across Texas counties in 2016 without IDs

County	Number of Voters
Cochran	1
Gaines	1
Jones	1
San Augustine	1
Sabine	1
Reagan	1
Mcculloch	1
Trinity	1
Schleicher	1
Menard	1
Yoakum	1
Sherman	0
Hansford	0
Montague	0
Roberts	0
Oldham	0
Carson	0
Armstrong	0
Donley	0
Collingsworth	0
Parmer	0
Castro	0
Swisher	0
Briscoe	0
Hall	0
Childress	0
Hardeman	0
Wilbarger	0
Cottle	0
Foard	0
Hill	0
Hudspeth	0
Mitchell	0
Eastland	0
Rusk	0
Glasscock	0
Sterling	0
Reeves	0
Loving	0

Table 1: Number of United States election voters across Texas counties in 2016 without IDs

County	Number of Voters
Terrell	0
Gonzales	0
Dewitt	0
Kinney	0
Mcmullen	0
Dimmit	0
La Salle	0
Kent	0
Motley	0
Stonewall	0
Haskell	0
Throckmorton	0
Zapata	0
Starr	0
Knox	0
Baylor	0
Delta	0
Jack	0
Concho	0
Presidio	0
Brewster	0
Dawson	0
Borden	0
Lynn	0
Ward	0
Mills	0
Crane	0
Irion	0
Falls	0
San Saba	0
Newton	0
Crockett	0
Mason	0
Sutton	0
Crosby	0
Dickens	0
King	0

References

- Alexander, Rohan. 2023. “Telling Stories with Data.” Chapman; Hall/CRC. <https://tellingswithdata.com/>.
- Firke, Sam. 2023. *Janitor: Simple Tools for Examining and Cleaning Dirty Data*. <https://github.com/sfirke/janitor>.
- Kuriwaki, Shiro, Will Beasley, and Thomas J. Leeper. 2023. *Dataverse: R Client for Dataverse 4+ Repositories*.
- Pebesma, E, and R Bivand. 2023. *Spatial Data Science: With Applications in r*. Chapman; Hall/CRC. <https://doi.org/10.1201/9780429459016>.
- R Core Team. 2023. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.
- Wickham, Hadley. 2016. *Ggplot2: Elegant Graphics for Data Analysis*. Springer-Verlag New York. <https://ggplot2.tidyverse.org>.
- Wickham, Hadley, Mara Averick, Jennifer Bryan, Winston Chang, Lucy D’Agostino McGowan, Romain François, Garrett Golemund, et al. 2019. “Welcome to the tidyverse.” *Journal of Open Source Software* 4 (43): 1686. <https://doi.org/10.21105/joss.01686>.
- Wickham, Hadley, Romain François, Lionel Henry, Kirill Müller, and Davis Vaughan. 2023. *Dplyr: A Grammar of Data Manipulation*. <https://CRAN.R-project.org/package=dplyr>.
- Wickham, Hadley, Jim Hester, and Jennifer Bryan. 2024. *Readr: Read Rectangular Text Data*. <https://CRAN.R-project.org/package=readr>.
- Wickham, Hadley, Evan Miller, and Danny Smith. 2023. *Haven: Import and Export ‘SPSS’, ‘Stata’ and ‘SAS’ Files*. <https://CRAN.R-project.org/package=haven>.
- Xie, Yihui. 2014. “Knitr: A Comprehensive Tool for Reproducible Research in R.” In *Implementing Reproducible Computational Research*, edited by Victoria Stodden, Friedrich Leisch, and Roger D. Peng. Chapman; Hall/CRC. <http://www.crcpress.com/product/isbn/9781466561595>.