

EXHIBIT 8

**IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF NORTH DAKOTA**

CHARLES WALEN, an individual, et al.,

Plaintiffs,

v.

Civil No. 1:22-cv-00031

DOUG BURGUM, in his official capacity as
Governor of the State of North Dakota, et al.,

Defendants,

and

MANDAN, HIDATSA AND ARIKARA NATION, et
al.,

Intervenor-
Defendants.

**DECLARATION TO ACCOMPANY THE EXPERT REPORT OF LOREN
COLLINGWOOD**

Pursuant to 28 U.S.C. § 1746, I, Loren Collingwood, declare that:

My name is Loren Collingwood. I am an expert witness designated by Intervenor-Defendants in the above referenced case now pending in the United States District Court for the District of North Dakota.

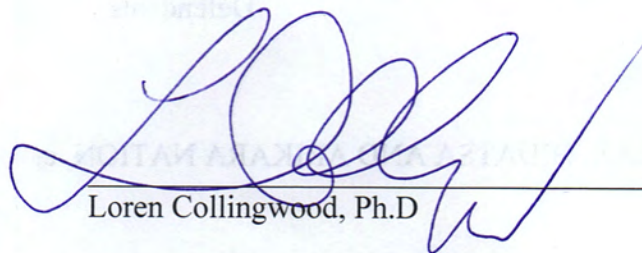
A true and correct copy of my curriculum vitae is attached hereto as a part of my report. The following report, a true and correct copy of which is attached and incorporated herein for all purposes, is a summary of my opinions and conclusions. The materials I relied upon to develop my analyses and opinions are cited therein and/or produced herewith for all counsel.

The court testimony and publications I am required to disclose are described in my attached report and/or curriculum vitae.

My reasonable and necessary hourly rate for my time in this case is \$325.

I declare under penalty of perjury that the foregoing is true and correct.

Signed this 17th day of January, 2023



Loren Collingwood, Ph.D

Expert Report of Dr. Loren Collingwood

Loren Collingwood

2023-01-17

Executive Summary

In this report, I examine past election results in North Dakota's recently enacted Legislative District 4. I do this to determine if voting is racially polarized—i.e., if Native American voters generally prefer one set of candidates, and white voters generally prefer a different set of candidates. In conducting this analysis, I analyzed 35 general elections from 2014 to 2022, and used the Ecological Inference (EI) and Rows by Columns (RxC) statistical methods to evaluate if racially polarized voting (RPV) exists. RPV is present in every election contest.

I also conducted electoral performance analyses in the following jurisdictions: The newly adopted full District 4, as well as Subdistricts 4A and 4B. An electoral performance analysis reconstructs previous election results based on new district boundaries to assess whether a Native or white preferred candidate is most likely to win in a given jurisdictions under consideration (i.e., the newly adopted legislative map).

Overall, the accumulated evidence leads me to conclude the following:

- Racially polarized voting (RPV) is present in the areas comprising the newly adopted Legislative District 4. This is particularly clear in the 2016 elections featuring three Native American candidates, and is also evident in the 2022 contest featuring a Native American candidate (Moniz).
- I used two well-known statistical methods to assess RPV, which consistently demonstrated racially polarized voting patterns between Native Americans and non-Hispanic white voters.
- Native American voters cohesively prefer the same candidates for political office in the newly adopted Legislative District 4. White voters cohesively prefer a different set of candidates for political office.
- In my reconstituted electoral performance analysis, Native American-preferred candidates lose every single race in the full District 4 for a block rate of 100%; but win handily in the newly adopted Legislative Sub-District 4A (33 of 34 contests) for a block rate of 3%. However, Native American-preferred candidates lose 34 of 34 contests in the newly adopted Legislative Sub-District 4B for a block rate of 100%.
- In the recent legislative general election held Sub-District 4A, the Native-American-preferred candidate, Lisa Finley-Deville, who is Native-American herself, won

handily in District 4A 69% to 31% for Terry Burton Jones. A correlation analysis in this contest shows a relationship between percent Native-American and percent Finley-Deville over 0.7 on a 0-1 scale – a very strong relationship.

- Native-American voters strongly backed Native-American candidate, Cesar Alvarez, in the 2016 Legislative District 4 election, whereas white voters split their votes evenly between two different candidates.

My opinions are based on the following data sources: Statewide and local North Dakota general elections from 2014-2022; 2020 U.S. Census voting age population data taken from Dave's Redistricting, and North Dakota Legislative Districts shape files.

Background and Qualifications

I am an associate professor of political science at the University of New Mexico. Previously, I was an associate professor of political science and co-director of civic engagement at the Center for Social Innovation at the University of California, Riverside. I have published two books with *Oxford University Press*, 40 peer-reviewed journal articles, and nearly a dozen book chapters focusing on sanctuary cities, race/ethnic politics, election administration, and racially polarized voting. I received a Ph.D. in political science with a concentration in political methodology and applied statistics from the University of Washington in 2012 and a B.A. in psychology from the California State University, Chico, in 2002. I have attached my curriculum vitae, which includes an up-to-date list of publications.

In between my B.A. and Ph.D., I spent 3-4 years working in private consulting for the survey research firm Greenberg Quinlan Rosner Research in Washington, D.C. I also founded the research firm Collingwood Research, which focuses primarily on the statistical and demographic analysis of political data for a wide array of clients, and lead redistricting and map-drawing and demographic analysis for the Inland Empire Funding Alliance in Southern California. I was the redistricting consultant for the West Contra Costa Unified School District, CA, independent redistricting commission in which I am charged with drawing court-ordered single member districts. I am contracted with Roswell, NM Independent School District to draw single member districts.

I served as a testifying expert for the plaintiff in the Voting Rights Act Section 2 case *NAACP v. East Ramapo Central School District*, No. 17 Civ. 8943 (S.D.N.Y.), on which I worked from 2018 to 2020. I am the quantitative expert in *LULAC vs. Pate (Iowa)*, 2021, and have filed an expert report in that case. I am the BISG expert for plaintiff in *LULAC Texas, et al. v. John Scott, et al.*, having filed one report in that case. I am the racially polarized voting expert for the plaintiff in *East St. Louis Branch NAACP, et al. vs. Illinois State Board of Elections, et al.*, having filed two reports in that case, and submitted written testimony. I am the Senate Factors expert for plaintiff in *Pendergrass v. Raffensperger (N.D. Ga. 2021)*, having filed a report in that case and submitted written testimony. I am the racially polarized voting expert for plaintiff in *Johnson, et al., v. WEC, et al., No. 2021AP1450-OA*, having filed three reports in that case and submitted written testimony. I am the racially polarized voting expert for plaintiff in *Faith Rivera, et al. v. Scott Schwab and Michael Abbott No. 2022-CV-000089*. I have filed a report in that case and provided testimony. I served as the RPV

expert in *Lower Brule Sioux Tribe v. Lyman County* where I filed a report and testified at trial. I am the RPV expert for plaintiff in *Soto Palmer et al. vs. Hobbs et al.* and have filed a report and been deposed. In each instance courts have accepted my opinion. In this case I am compensated at a rate of \$325/hour.

District 4A Characteristics

District 4A has a Native American voting age population of 67.2%. It scores very high on measures of compactness. Two common measures are the Reock and Polsby-Popper scores. District 4A has a Reock score of .45 and a Polsby-Popper score of .57. These scores reflect a very compact district.

Racially Polarized Voting

Racially polarized voting (RPV) occurs when one racial group (i.e., Native American voters) consistently votes for one candidate or set of candidates, and another racial group (i.e., non-Hispanic white voters) regularly votes for another candidate or set of candidates. I analyze multiple elections across four election years to determine whether a pattern of RPV is present in a given geography and/or political jurisdiction (i.e., statewide, Legislative District 4, etc.). In an election contest between two candidates, RPV is present when a majority of voters belonging to one racial/ethnic group vote for one candidate and a majority of voters who belong to another racial/ethnic group prefer the other candidate. The favored candidate of a given racial group is called a “candidate of choice.” However, if a majority of voters (i.e., 50%+1) of one racial group back a particular candidate and so do a majority of voters from another racial group, then RPV is not present in that contest.

Racially polarized voting does not mean voters are racist or intend to discriminate. In situations where RPV is clearly present, however, majority voters may often be able to block minority voters from electing candidates of choice by voting as a broadly unified bloc against minority voters’ preferred candidate.

I examine RPV in the context of North Dakota statewide general elections – subsetting to voting districts located inside of the newly enacted District 4.

Ecological Inference

To determine if RPV exists, experts must generally infer individual level voting behavior from aggregate data – a problem called ecological inference. We turn to aggregate data because most of the time we do not have publicly available survey data on all election contests and in particular geographic areas where we want to see if RPV is present. In general, we want to know how groups of voters (i.e., Native Americans or non-Hispanic whites) voted in a particular election when all we have to analyze are precinct vote returns and the demographic composition of the people who live in those precincts.

Experts have at their disposal several methods to analyze RPV: homogeneous precinct analysis (i.e., taking the vote average across high density white precincts vs. high density

Black precincts), ecological regression (ER), ecological inference (EI), and ecological inference Rows by Columns (RxC), which is designed specifically for the multi-candidate, multi-racial group environment, though all of these methods can be used to assess whether RPV is present in diverse election environments involving multiple candidates and multiple groups. In this report I rely on the ecological inference (EI) and RxC method to assess whether voting is racially polarized. I also focus my attention on the two top of the ticket candidates in each contest.

The R software package, eiCompare (Collingwood et al. 2020), builds upon packages eiPack (Lau, Moore, and Kellermann 2020) and ei (King and Roberts 2016) to streamline RPV analysis, and includes all of these aforementioned statistical methods. In this report I include ecological inference estimates accounting for variation in turnout by race. That is, I divide candidate vote by voting age population and include an estimate for no vote. I then calculate vote choice estimates by race for only people estimated to have voted. In this way, the method differences out non-voters and attempts to account for variation in turnout by race.

The rest of the report presents my results: 1) A list of the elections analyzed; 2) District 4 RPV analysis; 3) District 4, 4A and 4B electoral performance analysis.

List of Elections Analyzed

Table 1 presents the analyzed exogenous elections. Native-American candidates have an asterisk after their name. Overall, there are 35 elections. In the full District 4, I analyze 34 elections across five election cycles finding RPV in each contest. I also examined the most recent 4A election, taking a slightly different approach, which I discuss later in the report. In addition, I analyzed the 2014 LD-4 contest between Terry Jones, Bill Oliver, Kenton Onstad, and Cesar Alvarez (Native-American candidate). This district is very similar to the newly adopted LD-4 but has a few additional precincts.

Table 1. List of contests analyzed, between 2014-2022. Native American candidates have an asterisk after their name.

Year	Contest	Candidate 1	Candidate 2	Native Prefer	D4 RPV	D4 Native-Prefer Win	D4A Native-Prefer Win	D4B Native-Prefer Win
2022	U.S. Senate	Christiansen	Hoeven	Christianse n	YES	No	Yes	No
2022	U.S. House	Mund	Armstrong	Mund	YES	No	Yes	No
2022	Agriculture Commissioner	Dooley	Goehring	Dooley	YES	No	Yes	No
2022	Attorney General	Charles Lamb	Wrigley	Charles Lamb	YES	No	Yes	No
2022	Secretary of State	Powell	Howe	Powell	YES	No	Yes	No
2022	Public Service Commissioner	Moniz*	Fedorchak	Moniz	YES	No	Yes	No
2022	Public Service Commissioner 4yr	Hammer	Haugen-Hoffart	Hammer	YES	No	Yes	No
2020	President	Biden	Trump	Biden	YES	No	Yes	No
2020	U.S. House	Raknerud	Armstrong	Rakenrud	YES	No	Yes	No
2020	Governor	Lenz	Burgum	Lenz	YES	No	Yes	No
2020	Auditor	Hart	Gallion	Hart	YES	No	Yes	No
2020	Treasurer	Haugen	Beadle	Haugen	YES	No	Yes	No
2020	Public Services Commissioner	Buchmann	Kroshus	Buchmann	YES	No	Yes	No
2018	U.S. Senate	Heitkamp	Cramer	Heitkamp	YES	No	Yes	No
2018	U.S. House	Schneider	Armstrong	Schneider	YES	No	Yes	No
2018	Secretary of State	Boschee	Jaeger (I)	Boshee	YES	No	Yes	No
2018	Attorney General	Thompson	Stenhjem	Thompson	YES	No	Yes	No
2018	Agriculture Commissioner	Dotzenrod	Goehring	Dotzenrod	YES	No	Yes	No
2018	Public Services Commissioner	Brandt	Christmann	Brandt	YES	No	Yes	No
2018	Public Services Commissioner 2yr	Buchmann	Kroshus	Buchmann	YES	No	Yes	No
2018	Tax Commissioner	Oversen	Rauschenberge r	Oversen	YES	No	Yes	No
2016	President	Clinton	Trump	Clinton	YES	No	Yes	No
2016	U.S. Senate	Glassheim	Hoeven	Glassheim	YES	No	No	No
2016	U.S. House	Iron Eyes*	Cramer	Iron Eyes	YES	No	Yes	No
2016	Governor	Nelson	Burgum	Nelson	YES	No	Yes	No
2016	Insurance	Buffalo*	Godfread	Buffalo	YES	No	Yes	No
2016	Public Services Commissioner	Hunte Beaubrun*	Fedorchak	Hunte Beaubrun	YES	No	Yes	No
2014	Attorney General	Kraus	Stenehjem	Kraus	YES	No	Yes	No
2014	Agriculture Commissioner	Taylor	Goehring	Taylor	YES	No	Yes	No
2014	Public Service Commissioner 2yr	Axness	Fedorchak	Axness	YES	No	Yes	No
2014	Public Service Commissioner	Reisenauer	Kalk	Reisenauer	YES	No	Yes	No
2014	Secretary of State	Fairfield	Jaeger	Fairfield	YES	No	Yes	No
2014	Tax Commissioner	Astrup	Rauschenberge r	Astrup	YES	No	Yes	No
2014	U.S. House	Sinner	Cramer	Sinner	YES	No	Yes	No

Racially Polarized Voting District 4

To conduct the analysis, I gathered precinct election returns for candidates running in each statewide contest either from the redistricting data hub¹ or the North Dakota Secretary of State, which provides precinct vote returns.² While the redistricting data hub data come formatted in precincts/VTDs and in GIS shape files, not all contests are always available. In the case where I downloaded data from the Secretary of State website I joined the data with VTD shape files based on common precinct names.

Next, I downloaded Census VTD files containing Voting Age Population (VAP) data from the 2020 U.S. Census from Dave's Redistricting – a popular website and program for redistricting. These data contain counts of VAP by race per precinct/VTD. I join precinct vote returns with VAP data using a combination of GEOID20 indicators and precinct names. Thus, I now have datasets that contain both candidate votes and racial demographics. Next, I subset the full statewide data to just the precincts found in the new District 4, which is presented in Figure 1.

¹ <https://redistrictingdatahub.org/state/north-dakota/>

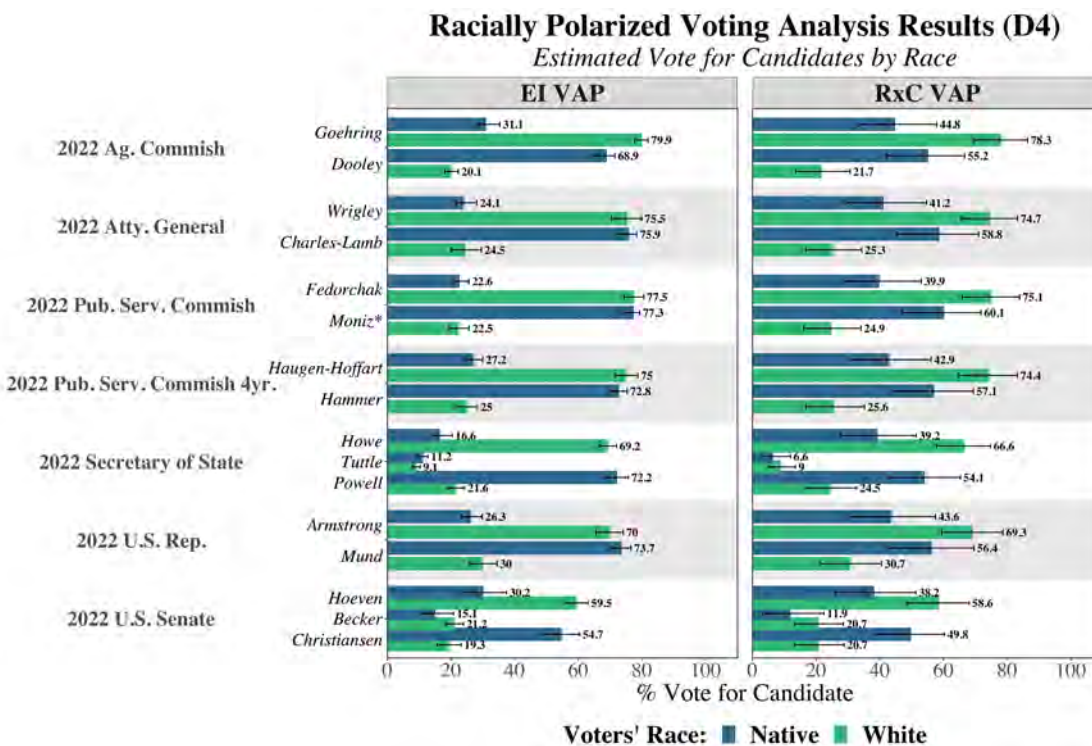
² See <https://results.sos.nd.gov/ResultsSW.aspx?text=All&type=SW&map=CTY&eid=292> for 2016 example.

performance analysis in the subdistricts to evaluate whether white votes block Native American candidates and Native-preferred candidates.

Figure 2 presents the 2022 RPV results. The left column axis shows the contest name, the middle panel the EI results, and the rightmost panel the RxC results. The results are generally consistent, showing RPV in every contest, or an RPV rate of 100%.³ I also present 95% confidence error bands showing each model's statistical uncertainty. Finally, candidates with an asterisk are known Native-American candidates.

There are so many contests I will not enumerate the results of each one; rather I will provide one example: the 2022 Agriculture Commissioner. In the EI model, 69% of Native voters backed Dooley (55% in the RxC model); whereas 80% of whites backed Goehring (78% in the RxC model). Thus, a majority of Native voters favor one candidate, and a clear majority of white voters favor a different candidate.

Figure 2. Racially Polarized Voting assessment in statewide contests subset to the new District 4 boundaries, 2022 general election.



While I did not conduct ecological inference analyses in either subdistrict, I did conduct a correlation analysis of the most recent election in Sub-District 4A. Figure 3 presents bivariate (race and candidate vote share) scatterplots and reveals a trend consistent with an RPV analysis. For instance, in the bottom left corner, as the share of Native-American

³ The 2022 Senate race shows lower rates of RPV in the RxC model but diverging candidate preference by race is still very evident.

voters in a precinct increases, the vote share for Finley-Deville also rises. The converse occurs for Burton – who does best in the whitest precincts in Sub-District 4A (top right panel).

Figure 3. Scatterplots showing correlation/association between race and candidate choice in Sub-District 4A.

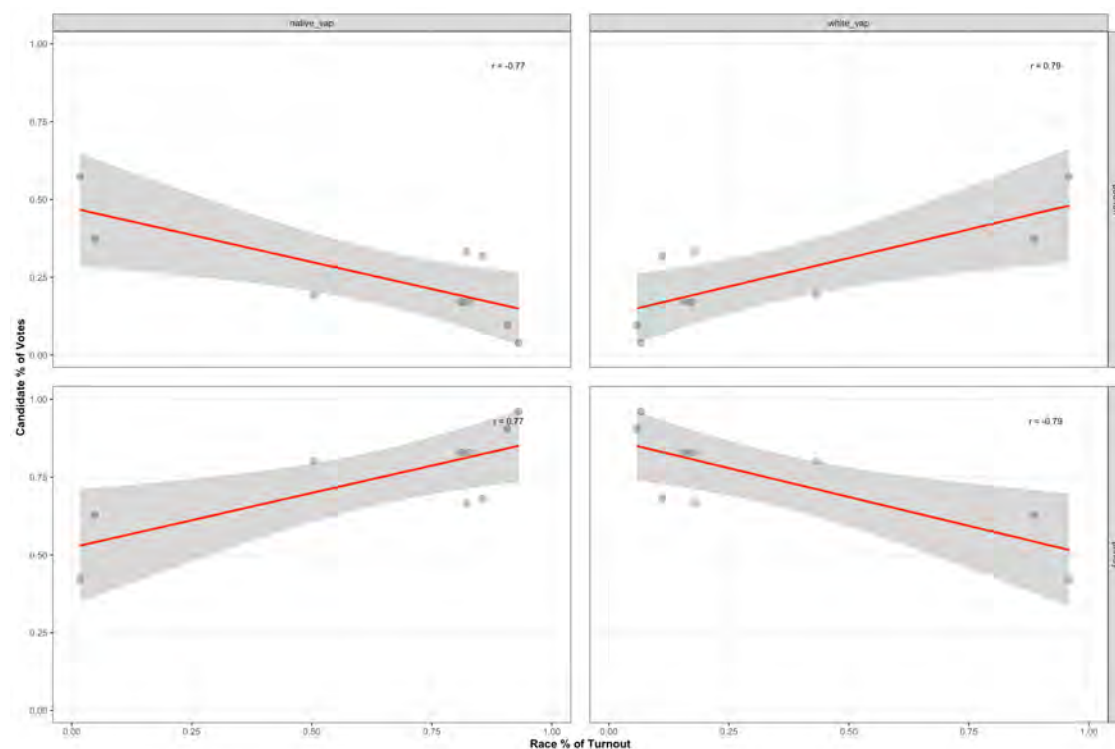


Figure 4 presents the racially polarized voting results for the 2020 contests. The results are consistent: in every single contest there is overwhelming evidence of RPV.

Figure 4. Racially Polarized Voting assessment in statewide contests subset to the new District 4 boundaries, 2020 general election.

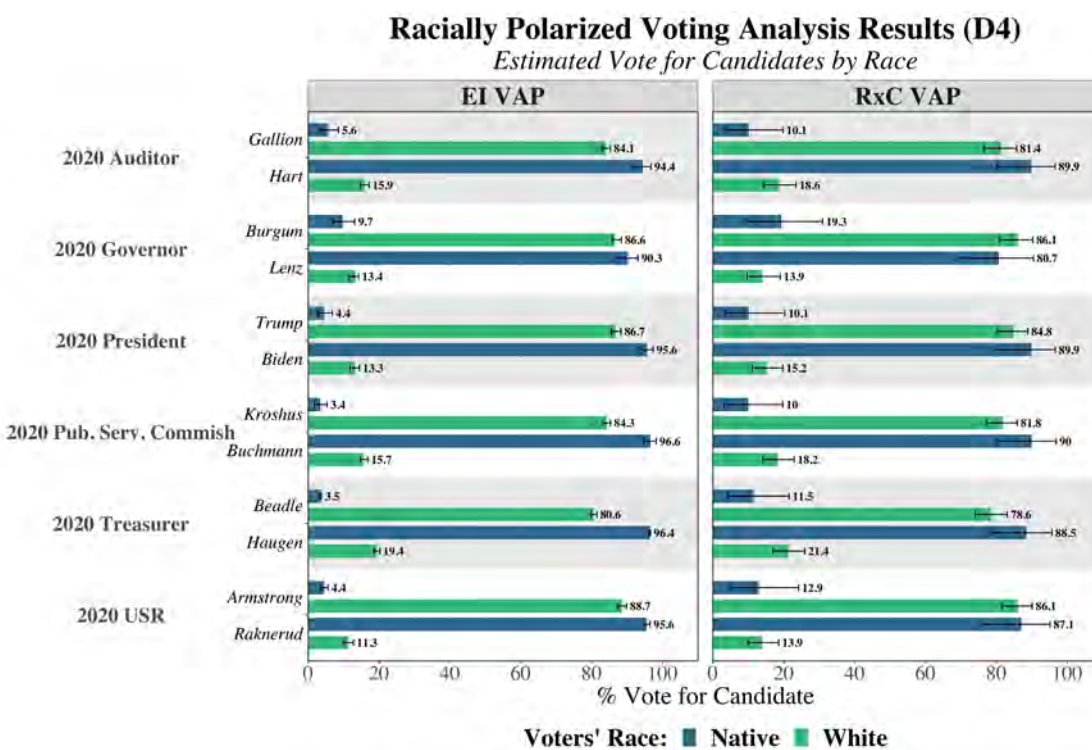


Figure 5 presents the racially polarized voting results for the 2018 contests. Again, the results show overwhelming evidence of RPV.

Figure 5. Racially Polarized Voting assessment in statewide contests subset to the new District 4 boundaries, 2018 general election.

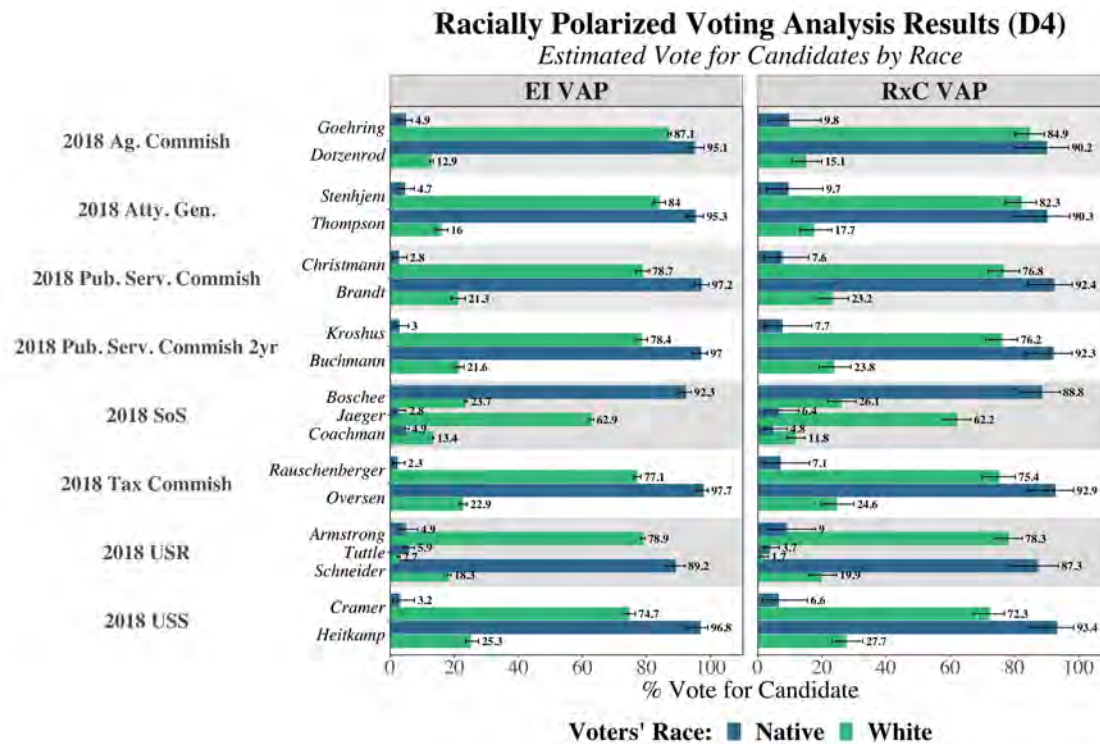


Figure 6 presents the racially polarized voting results for the 2016 contests.

Figure 6. Racially Polarized Voting assessment in statewide contests subset to the new District 4 boundaries, 2016 general election.

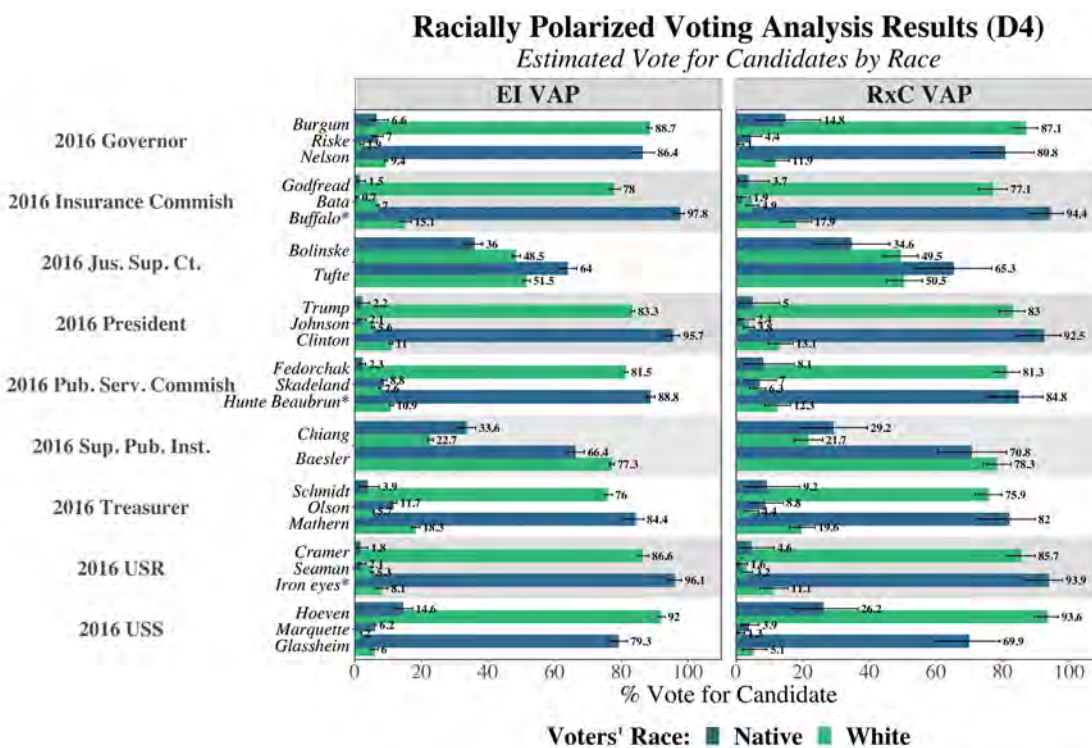


Figure 7 presents the racially polarized voting results for the 2016 Legislative District/State Representative 4 featuring Terry Jones, Bill Oliver, Kenton Onstad, and Cesar Alvarez. Mr. Alvarez is Native American while the remaining three candidates are white. Although this election was conducted under the prior version of District 4, and not the newly enacted version of the district, there were very few changes between the prior and the new district (2,364 people removed (91.4% white VAP) and 2,039 added (93.3% white VAP)). Because the district remained largely the same, with no change to the predominantly Native American portions of the district, the 2016 state legislative election is probative, especially so as an endogenous election featuring a Native American candidate. Voters could cast up to two ballots so I have normalized the results to account for overall voting behavior in preparing the RPV data. Native-American voters overwhelmingly backed Alvarez (62-65% of the vote), followed by Onstad – a white Democrat (31%). Note, that Native-American voters clearly prefer the Native-American Democrat over the white Democrat. Meanwhile, white voters cast split their ballot somewhat evenly between Oliver and Jones (34-36%) – the eventual winners. Indeed, only around 10% of white voters supported Alvarez. Notably, white voters were much more willing to vote for the white Democrat (20.3%) compared to the Native American Democrat (9.5%). This election illustrates how race, not partisanship, motivates racially polarized voting in the region.

Figure 7. Racially Polarized Voting assessment in Legislative District 4 for state representative, 2016.

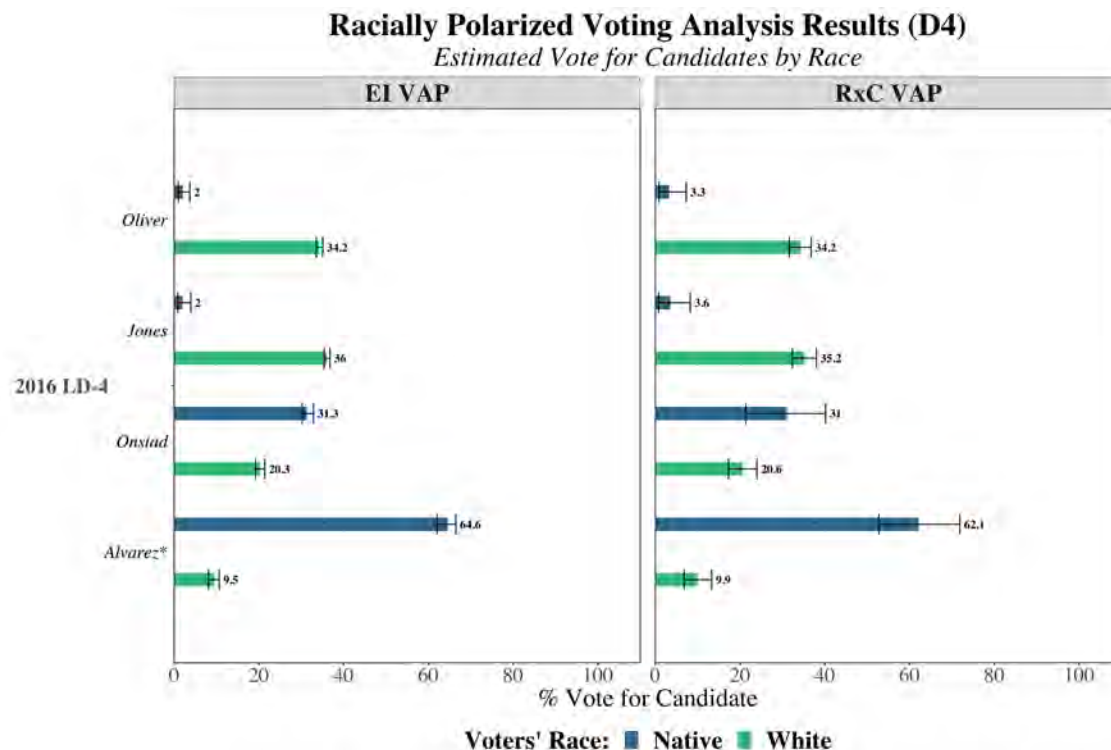
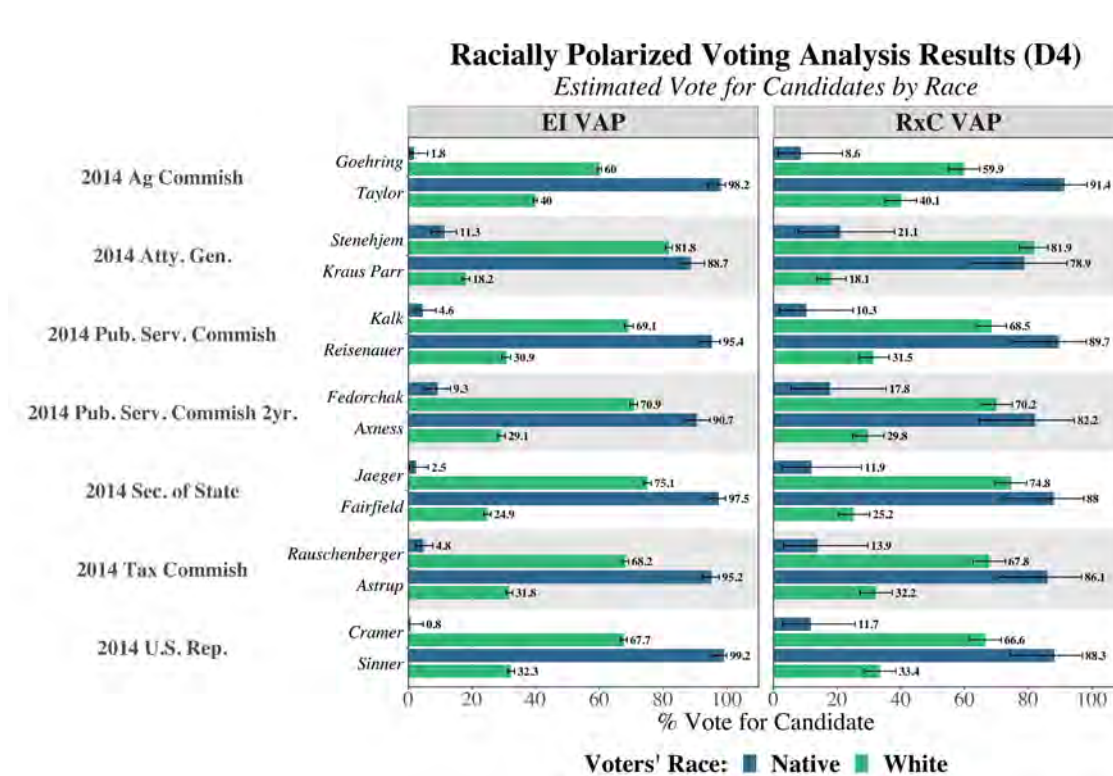


Figure 8 presents the racially polarized voting results for the 2014 contests.

Figure 8. Racially Polarized Voting assessment in statewide contests subset to the new District 4 boundaries, 2014 general election.



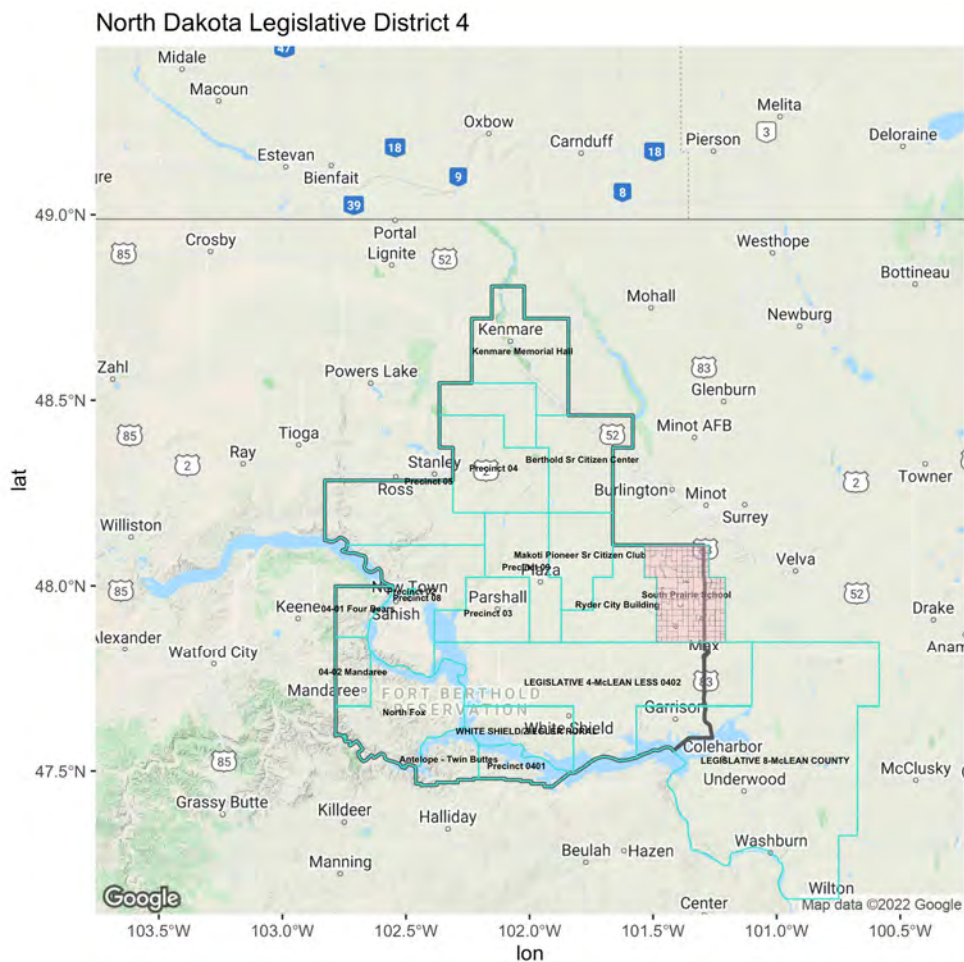
Performance Analysis District 4

To conduct the performance analysis, for 2022, I simply take the appropriate precincts falling within the full D4, then also look at D4A and D4B discretely. For the earlier contests where results are not presented by subdistrict, I take an additional step with regard to split precincts. For the full District 4, there are 3 precincts split across D4 and neighboring districts (i.e., District 8). These include South Prairie School (76.5% geographically in the district), LEGISLATIVE 4-McLEAN LESS 0402 (86.5% geographically inside the district),

and LEGISLATIVE 8-McLEAN COUNTY (7.4% geographically in the district). There are also several split precincts between D4A and D4B.

To account for these splits in my electoral performance analysis, I overlaid the precinct polygon shape file with the 2020 block polygon shape file and join population-level data including voting age population (VAP). Because blocks are fully nested inside precincts in this instance, I can make adjustments to precinct vote totals by weighting votes by total voting age population. In precincts that split between districts I take blocks on the one side of the District 4 boundary to estimate the share of the VAP that is inside/outside of the district. Figure 9 illustrates the idea. The part of the pink precinct to the left of the district boundary is included in D4, the part to the right is not.

Figure 9. Example of South Prairie School split precinct between District 4 and neighboring district, with Census blocks shaded pink.



One way to address this issue may be to turn to geographic distribution instead of population distribution. For example, a precinct might be geographically split 50-50 between District 4 and District 8. If there are 100 votes in the precinct, I could assign 50 votes to the part of the precinct in the district, and divide all candidate votes in half. If

Trump had received 70 of the precinct's initial 100 votes, and Biden 30, I would assign Trump 35 votes (70×0.5) and Biden 15 (30×0.5) totaling 50 votes.

However, another method when data are available is to take account of where the population lives within the precinct by using blocks – a much smaller and more compact geographic unit. Each block contains a tally for voting age population (VAP); therefore I can sum the VAP for all blocks for the part of the precinct falling inside of District 4, and for the part of the precinct outside of D4. This method more adequately accounts for population distribution within the precinct instead of relying on geographic area alone. It could be the case that 70% of the VAP resides in the part of the precinct falling into D4, and 30% in a neighboring district. So instead of multiplying the initial 100 votes by 0.5, for District 4, I multiply the precinct's initial 100 votes by 0.7. In this scenario, Trump would receive 49 of the 70 votes and Biden 21 votes. While the candidate vote share ratio might be the same the Trump net differential moves from plus 20 (35-15) to plus 28 (49-21).

Having accounted for the three split precincts, I combine those vote estimates with the 16 precincts fully inside D4. For each contest, I then sum votes for candidate 1 and candidate 2, respectively, and divide by total votes cast. I conduct the same procedure for the two subdistricts.

Figure 10 presents the 2022 electoral performance analysis results of the full District 4, then Sub-Districts 4A and 4B. The results show that the white-preferred candidate wins seven of seven (100%) contests in the full D4, loses all seven contests in D4A, and wins seven of seven contests in D4B. These results plainly show the need for a subdistrict in D4 – as the full district results show strong evidence of white voters blocking Native voters in their ability to elect candidates of choice at the full district level.

Figure 10. Performance analysis assessment in statewide contests subset to the new District 4 boundaries, 2022 elections.



Figure 11 presents the 2020 election performance analysis results of the full District 4, then Sub-Districts 4A and 4B. Beginning with the leftmost panel – the full District 4 – the Native-preferred candidates loses 6 of 6 contests for a block rate of 100%. The middle panel tells a different story though. The Native-preferred candidates wins 6 of 6 contests for a block rate of 0%.

Finally, the rightmost panel (Sub-District 4B) tells the opposite story – the Native-preferred candidates loses 6 of 6 contests for a block rate of 100%.

Figure 11. Performance analysis assessment in statewide contests subset to the new District 4 boundaries, 2020 elections.

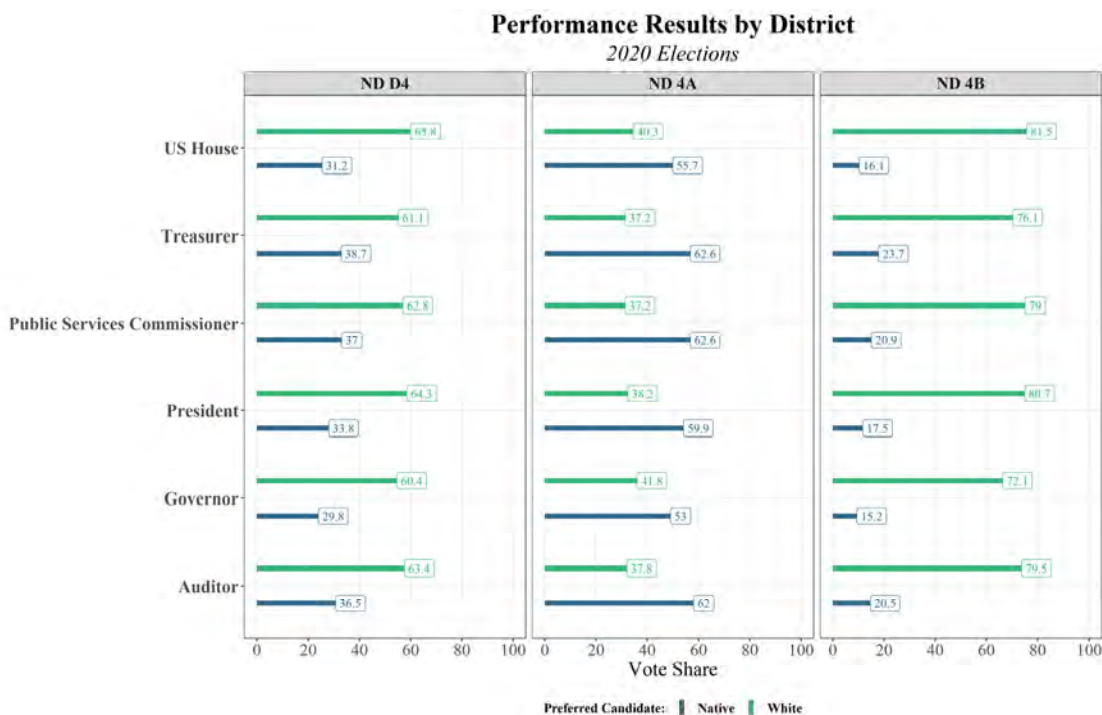


Figure 12 presents the 2018 election performance analysis results of the full District 4, then Sub-Districts 4A and 4B. Beginning with the leftmost panel – the full District 4 – the Native-preferred candidates loses 8 of 8 contests for a block rate of 100%. The middle panel tells a different story though. The Native-preferred candidates wins 8 of 8 contests for a block rate of 0%.

Finally, the rightmost panel (Sub-District 4B) tells the opposite story – the Native-preferred candidates loses 8 of 8 contests for a block rate of 100%.

Figure 12. Performance analysis assessment in statewide contests subset to the new District 4, 4A, and 4B boundaries, 2018 elections.

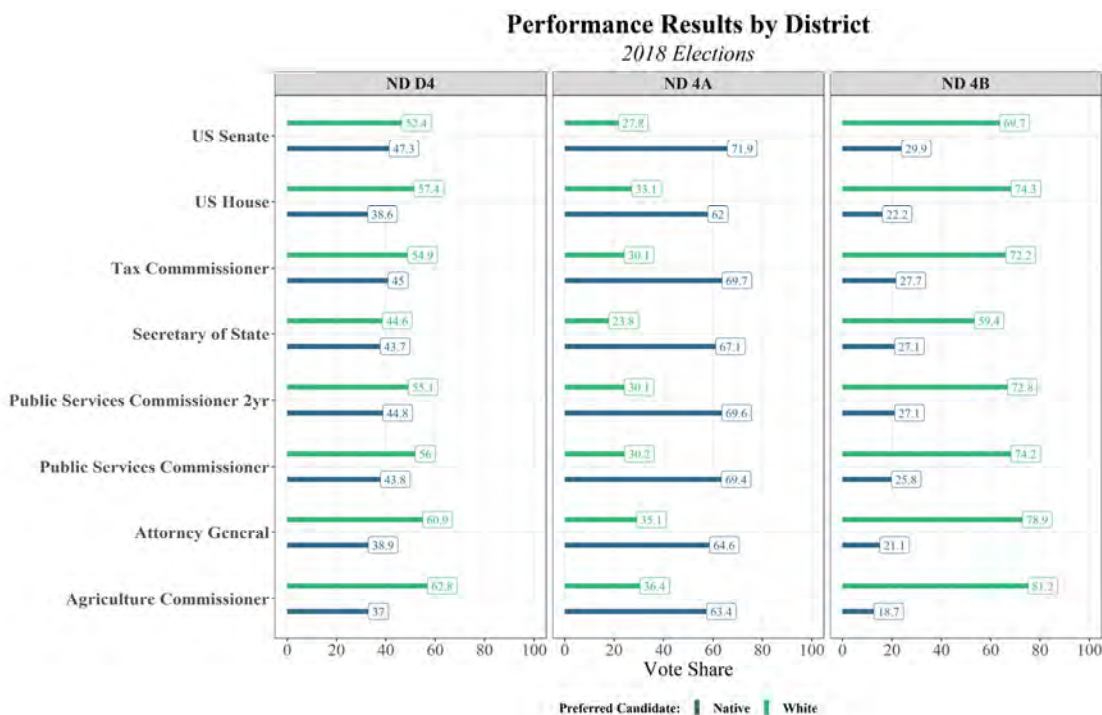


Figure 13 presents the 2016 election performance analysis results of the full District 4, then Sub-Districts 4A and 4B. Beginning with the leftmost panel – the full District 4 – the Native-preferred candidates loses 7 of 7 contests for a block rate of 100%. The middle panel tells a different story though. The Native-preferred candidates wins 6 of 7 contests for a block rate of 14%.

Finally, the rightmost panel (Sub-District 4B) tells the opposite story – the Native-preferred candidates loses 7 of 7 contests for a block rate of 100%.

Figure 13. Performance analysis assessment in statewide contests subset to the new District 4 boundaries, 2016 elections.

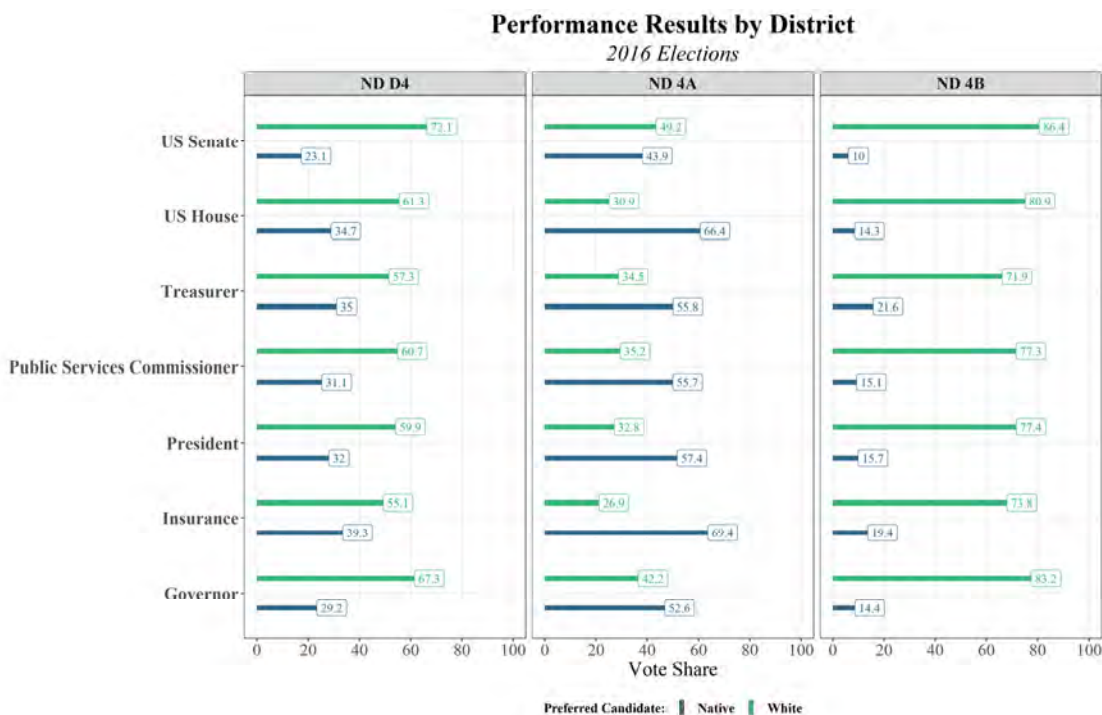
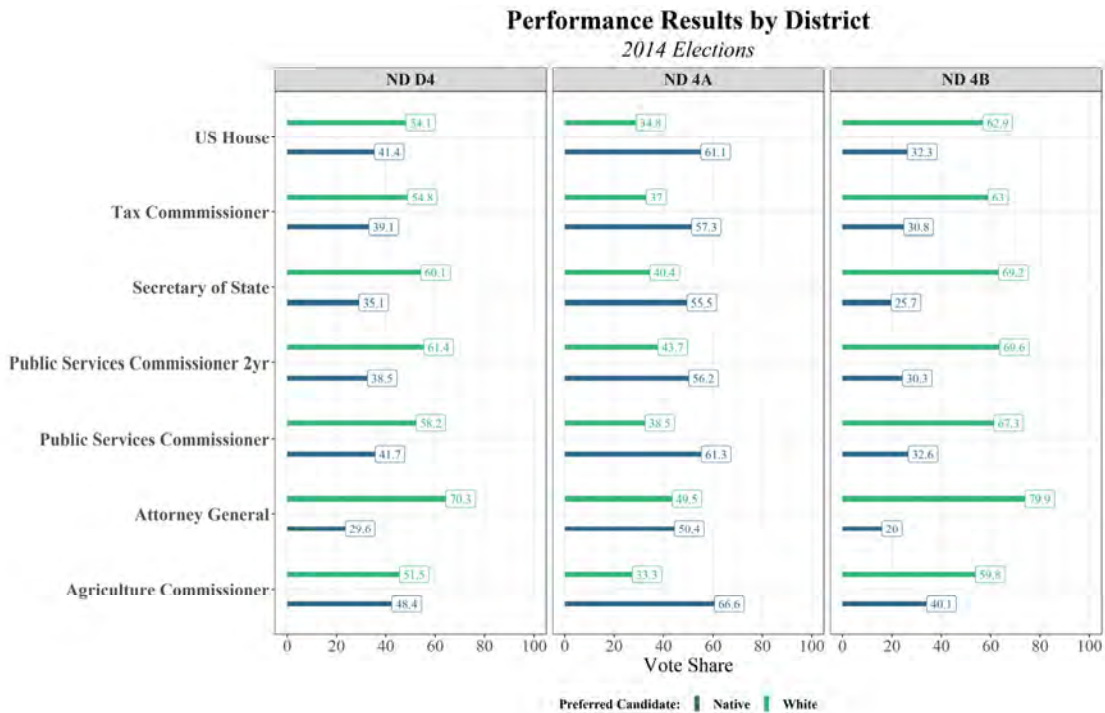


Figure 14 presents the 2014 election performance analysis results of the full District 4, then Sub-Districts 4A and 4B. Beginning with the leftmost panel – the full District 4 – the Native-preferred candidates loses 7 of 7 contests for a block rate of 100%. The middle panel tells a different story though. The Native-preferred candidates wins 7 of 7 contests for a block rate of 0%.

Finally, the rightmost panel (Sub-District 4B) tells the opposite story – the Native-preferred candidates loses 7 of 7 contests for a block rate of 100%.

Figure 14. Performance analysis assessment in statewide contests subset to the new District 4 boundaries, 2014 elections.



Conclusion

In conclusion, without any doubt, racially polarized voting between Native American voters and non-Hispanic whites is present in North Dakota's recently enacted District 4. RPV is especially clear in elections featuring Native American candidates – but is present across every single election I analyzed across five election years (2014, 2016, 2018, 2020, and 2022). RPV is also present in the 2016 LD-4 election featuring a Native American candidate who ran and lost. Thus, the Gingles II threshold is clearly met. A Gingles III analysis reveals that whites vote as a bloc to block Native Americans from electing candidates of choice at the full District 4 level in 34 of 34 contests. Narrowing in on the new Sub-Districts 4A and 4B, Native-preferred candidates win 97% of the time in 4A. However, in Sub-District 4B, Native-preferred candidates win 0% of the time meaning that they are very likely to lose contests in that subdistrict. Therefore, Gingles III is present in Sub-District 4B, in District 4 overall, but not in Sub-District 4A (which was drawn to allow Native American voters to overcome white bloc voting). Sub-District 4A thus affords Native American voters the opportunity to elect their candidates of choice that they otherwise lack in the absence of the sub-district.

References

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Employment

Associate Professor, University of New Mexico, 2020 - Present
Associate Professor, University of California, Riverside 2019 - 2020
Assistant Professor, University of California, Riverside 2012 - 2019
Assistant Analyst, Greenberg Quinlan Rosner, Washington DC 2005-2007
Field Associate, Greenberg Quinlan Rosner, Washington DC 2003-2005

Education

Ph.D., Political Science, University of Washington 2007 - 2012
Committee: Matt Barreto (chair), Chris Parker, Luis Fraga, Chris Adolph, Peter Hoff
M.A., Political Science, University of Washington, 2009
B.A., Psychology, California State University, Chico, 1998 - 2002
Minor: Political Science
Honors: *Cum Laude*, NCAA Scholar-Athlete in soccer

Research Fields

American Politics, Political Behavior, Methods, Race and Ethnic Politics, Immigration

Books

2. **Collingwood, Loren.** *Campaigning in a Racially Diversifying America: When and How Cross-Racial Electoral Mobilization Works.* 2020. Oxford University Press.

Featured in *Veja*, Brazil

1. **Collingwood, Loren** and Benjamin Gonzalez O'Brien. *Sanctuary Cities: The Politics of Refuge.* 2019. Oxford University Press.

Featured in *Teen Vogue*, *Seattle Times*; *Phoenix New Times*

Articles

40. Gonzalez O'Brien, Ben, **Loren Collingwood**, and Michael A. Paarlberg. "What Leads to Refuge? Sanctuary Policies and the Influence of Local Demographics and Partisanship." *Urban Affairs Review*. (Forthcoming).
39. **Collingwood, Loren**, Gabriel Martinez, and Kassra Oskooii. "Undermining Sanctuary? When Local and National Partisan Cues Diverge." *Urban Affairs Review*. (Forthcoming).
38. **Collingwood, Loren** and Benjamin Gonzalez O'Brien. "Is Distance to Drop Box an Appropriate Proxy for Drop Box Treatment? A Case Study of Washington State." *American Politics Research*. (Forthcoming)
37. Barreto, Matt, Michael Cohen, **Loren Collingwood**, Chad Dunn, and Sonni Waknin. "A Novel Method for Showing Racially Polarized Voting: The Promise of Bayesian Improved Surname Geocoding." *New York University Review of Law and Social Change*. 46(1). (Forthcoming)
36. Barreto, Matt, **Loren Collingwood**, Sergio Garcia-Rios, and Kassra Oskooii. "Estimating Candidate Support: Comparing Iterative EI & EI-RxC Methods." *Sociological Methods & Research*. (Forthcoming).
35. Morín, Jason L., Rachel Torres, and **Loren Collingwood**. 2021. "Cosponsoring and Cashing in: U.S. House Members' support for punitive immigration policy and financial payoffs from the private prison industry." *Business and Politics*. 23(4): 492-509.

Featured in KOAT-ABQ news

34. Newman, Benjamin; Merolla, Jennifer; Shah, Sono; Lemi, Danielle; **Collingwood, Loren**; Ramakrishnan, Karthick. 2021. "The Trump Effect: An Experimental Investigation of the Emboldening Effect of Racially Inflammatory Elite Communication." *British Journal of Political Science* 51(3): 1138-1159.

Featured in New York Times; Washington Post; The Times of India; Washington Post; NBC News; New York Times; Forbes; NBC News

33. **Collingwood, Loren** and Sean Long. 2021. "Can States Promote Minority Representation? Assessing the Effects of the California Voting Rights Act." *Urban Affairs Review*. 57(3): 731-762.

Featured in NPR; Modesto Bee, IVN News San Diego; Woodland Daily Democrat; Silicon Valley Voice; Spectrum 1; Washington Post; Politico

32. Oskooii, Kassra, Nazita Lajevardi, and **Loren Collingwood**. 2021. "Opinion Shift and Stability: Enduring Individual-Level Opposition to Trump's 'Muslim Ban'." *Political Behavior*. 43: 301-337.

Featured in Washington Post

31. Hickel, Flavio, Rudy Alamillo, Kassra Oskooii, and **Loren Collingwood**. 2020. "When American Identity Trumps Latinx Identity: Explaining Support for Restrictive Immigration Policies." *Public Opinion Quarterly*. 84(4), 860-891.

Featured in Academic Times

30. Walker, Hannah, **Loren Collingwood**, and Tehama Lopez Bunyasi. 2020. "White Response to Black Death: A Racialized Theory of White Attitudes About Gun Control." *DuBois Review: Social Science Research on Race*. 17(1): 165-188.
29. Filindra, Alexandra, **Loren Collingwood**, and Noah Kaplan. 2020. "Anxiety and Social Violence: The Emotional Underpinnings of Support for Gun Control." *Social Science Quarterly*. 101: 2101-2120.
28. McGuire, William, Benjamin Gonzalez O'Brien, Katherine Baird, Benjamin Corbett, and **Loren Collingwood**. 2020. "Does Distance Matter? Evaluating the Impact of Drop Boxes on Voter Turnout." *Social Science Quarterly*. 101: 1789-1809.
27. Reny, Tyler, Ali Valenzuela, and **Loren Collingwood**. 2020. "'No, You're Playing the Race Card': Testing the Effects of Anti-Black, Anti-Latino, and Anti-Immigrant Appeals in the Post-Obama Era." *Political Psychology*. 41(2): 283-302.

Featured in VOX The Weeds Podcast

26. **Collingwood, Loren**, Benjamin Gonzalez O'Brien, and Joe Tafoya. 2020. "Partisan Learning or Racial Learning: Opinion Change on Sanctuary City Policy Preferences in California and Texas." *Journal of Race and Ethnic Politics*. 5(1): 92-129.
25. **Collingwood, Loren** and Benjamin Gonzalez. 2019. "Covert Cross-Racial Mobilization, Black Activism, and Political Participation Pre-Voting Rights Act." *Florida Historical Quarterly* 97(4) Spring.
24. Gonzalez O'Brien, Ben, Elizabeth Hurst, Justin Reedy, and **Loren Collingwood**. 2019. "Framing Refuge: Media, Framing, and Sanctuary Cities." *Mass Communication and Society*. 22(6), 756-778.
23. DeMora, Stephanie, **Loren Collingwood**, and Adriana Ninci. 2019. "The Role of Super Interest Groups in Public Policy Diffusion." *Policy and Politics*. 47(4): 513-541.
22. **Collingwood, Loren**, Stephen Omar El-Khatib, Ben Gonzalez O'Brien. 2019. "Sustained Organizational Influence: American Legislative Exchange Council and the Diffusion of Anti-Sanctuary Policy." *Policy Studies Journal*. 47(3): 735-773.
21. **Collingwood, Loren** and Benjamin Gonzalez O'Brien. 2019. "Public Opposition to Sanctuary Cities in Texas: Criminal Threat or Immigration Threat?" *Social Science Quarterly*. 100(4): 1182-1196.
20. Reny, Tyler, **Loren Collingwood**, and Ali Valenzuela. 2019. "Vote Switching in the 2016 Election: Racial and Immigration Attitudes, Not Economics, Explains Shifts in White Voting." *Public Opinion Quarterly*. 83(1): 91-113.

Featured in VOX; The Week; The Economist; New York Times; The Economist

19. Gonzalez-O'Brien, Benjamin, **Loren Collingwood**, and Stephen Omar El-Khatib. 2019. "The Politics of Refuge: Sanctuary Cities, Crime, and Undocumented Immigration." *Urban Affairs Review*. 55(1): 3-40.

Featured in WaPo Monkey Cage I; and Monkey Cage II; WaPo Fact Check; InsideHigherEd; PolitiFact; The Hill; Christian Science Monitor; Pacific Standard; NBC News; Huffington Post; Seattle Times; The Denver Post; San Jose Mercury News; Chicago Tribune; San Diego Union Tribune; VOX

18. Oskooii, Kassra, Sarah Dreier, and **Loren Collingwood**. 2018. "Partisan Attitudes Toward Sanctuary Cities: The Asymmetrical Effects of Political Knowledge." *Politics and Policy* 46(6): 951-984.
17. **Collingwood, Loren**, Jason Morín, and Stephen Omar El-Khatib. 2018. "Expanding Carceral Markets: Detention Facilities, ICE Contracts, and the Financial Interests of Punitive Immigration Policy." *Race and Social Problems*. 10(4): 275-292.

Featured in CityLab; The Guardian; Mother Jones; NPR
16. **Collingwood, Loren**, Benjamin Gonzalez O'Brien, and Sarah K. Dreier. 2018. "Evaluating Public Support for Legalized Marijuana: The Case of Washington." *International Journal of Drug Policy*. 56: 6-20.
15. **Collingwood, Loren**, McGuire, Will, Gonzalez O'Brien, Ben, Baird, Katie, and Hampson, Sarah. 2018. "Do Dropboxes Improve Voter Turnout? Evidence from King County, Washington." *Election Law Journal*. 17:1.

Featured in Seattle Times; CBS News
14. **Collingwood, Loren**, Nazita Lajevardi, and Kassra Oskooii. 2018. "A Change of Heart? How Demonstrations Shifted Individual-Level Public Opinion on Trump's Muslim Ban." *Political Behavior*. 40(4): 1035-1072.

Featured in VOX; ThinkProgress; LSE Blog; Al Jazeera; San Francisco Chronicle; NPR; Business Insider; Washington Post
13. **Collingwood, Loren**, Ashley Jochim, and Kassra Oskooii. 2018. "The Politics of Choice Reconsidered: Partisanship and Minority Politics in Washington's Charter School Initiative." *State Politics & Policy Quarterly* 18(1): 61-92.
12. Newman, Ben, Sono Shah, and **Loren Collingwood**. 2018. "Race, Place, and Building a Base: Ethnic Change, Perceived Threat, and the Nascent Trump Campaign for President." *Public Opinion Quarterly*. 82(1): 122-134.

Featured in Pacific Standard; LSE Blog; Newsweek
11. Skulley, Carrie, Andrea Silva, Marcus J. Long, **Loren Collingwood**, and Ben Bishin, "Majority Rule vs. Minority Rights: Immigrant Representation Despite Public Opposition on the 1986 Immigration Reform and Control Act." 2018. *Politics of Groups and Identities*. 6(4): 593-611.
10. Alamillo, Rudy and **Loren Collingwood**. 2017. "Chameleon Politics: Social Identity and Racial Cross-Over Appeals." *Politics of Groups and Identities*. 5(4): 533-650.

Featured in WaPo's Monkey Cage; NBC News; Los Angeles Times
9. **Collingwood, Loren**, Kassra Oskooii, Sergio Garcia-Rios, and Matt Barreto. 2016. "eiCompare: Comparing ecological inference estimates across EI and EI:RxC." *The R Journal*. 8(2): 92-101.

Featured in Investigate West
8. Barreto, Matt, **Loren Collingwood**, Christopher Parker, and Francisco Pedraza. 2015. "Racial Attitudes and Race of Interviewer Item Non-Response." *Survey Practice*. 8:5.

7. Barreto, Matt and **Loren Collingwood**. 2015. "Group-based Appeals and the Latino Vote in 2012: How Immigration Became a Mobilizing Issue." *Electoral Studies*. 40:490-499.

Featured in Latino Decisions blog

6. **Collingwood, Loren**, Matt Barreto, and Sergio Garcia-Rios. 2014. "Revisiting Latino Voting: Cross-Racial Mobilization in the 2012 Election." *Political Research Quarterly*. 67(3): 632-645.

Featured in LSE Blog

5. Jurka, Tim, **Loren Collingwood**, Amber Boydston, Emiliano Grossman, and Wouter van Atteveldt. 2013. "RTextTools: A Supervised Learning Package for Text Classification in R" *The R Journal*. 5(1).
4. **Collingwood, Loren**. 2012. "Education Levels and Support for Direct Democracy." *American Politics Research*, 40(4): 571-602.
3. **Collingwood, Loren** and John Wilkerson. 2012. "Tradeoffs in Accuracy and Efficiency in Supervised Learning Methods." *Journal of Information Technology and Politics*, 9(3).
2. **Collingwood, Loren**, Matt Barreto and Todd Donovan. 2012. "Early Primaries, Viability, and Changing Preferences for Presidential Candidates." *Presidential Studies Quarterly*, 42(2).
1. Barreto, Matt, **Loren Collingwood**, and Sylvia Manzano. 2010. "A New Measure of Group Influence in Presidential Elections: Assessing Latino Influence in 2008." *Political Research Quarterly*. 63(4).

Featured in Latino Decisions blog

Book Chapters

11. **Collingwood, Loren**, Stephanie DeMora , and Sean Long. "Demographic Change, White Decline, and the Changing Nature of Racial Politics in Election Campaigns." In *Cambridge Handbook in Political Psychology*. Edited by Danny Osborne and Chris Sibley. [Forthcoming].
10. Morín, Jason L. and **Loren Collingwood**. "Contractor Politics: How Political Events Influence Private Prison Company Stock Shares in the Pre and Post Trump Era." In *Anti-immigrant Rhetoric, Actions, and Policies during the Trump Era (2017-2019)*. [Forthcoming]
9. Parker, Christopher S., Christopher C. Towler, **Loren Collingwood**, and Kassra Oskooii. 2020. "Race and Racism in Campaigns." In Oxford Encyclopedia of Persuasion in Political Campaigns. Edited by Elizabeth Suhay, Bernard Grofman, and Alexander H. Trechsel. DOI: 10.1093/oxfordhb/9780190860806.013.38
8. **Collingwood, Loren**, and DeMora, Stephanie. 2019. "Latinos and Obama." In Jessica Lavariega Monforti (ed.) *Latinos in the American Political System: An Encyclopedia of Latinos as Voters, Candidates, and Office Holders*.
7. DeMora, Stephanie, and **Collingwood, Loren**. 2019. "George P. Bush." In Jessica Lavariega Monforti (ed.) *Latinos in the American Political System: An Encyclopedia of Latinos as Voters, Candidates, and Office Holders*.

6. El-Khatib, Stephen Omar, and **Collingwood, Loren**. 2019. "Ted Cruz." In Jessica Lavariega Monforti (ed.) *Latinos in the American Political System: An Encyclopedia of Latinos as Voters, Candidates, and Office Holders*.
 5. **Collingwood, Loren**, Sylvia Manzano and Ali Valenzuela. 2014. "November 2008: The Latino vote in Obama's general election landslide." In *Latino America: How America's Most Dynamic Population Is Poised to Transform the Politics of the Nation*. By Matt Barreto and Gary Segura. New York: Public Affairs Press. (co-authored chapter with Matt Barreto and Gary Segura)
 4. **Collingwood, Loren**, Justin Gross and Francisco Pedraza. 2014. "A 'decisive voting bloc' in 2012." In *Latino America: How America's Most Dynamic Population Is Poised to Transform the Politics of the Nation*. By Matt Barreto and Gary Segura. New York: Public Affairs Press. (co-authored chapter with Matt Barreto and Gary Segura)
 3. Barreto, Matt, **Loren Collingwood**, Ben Gonzalez, and Chris Parker. 2011. "Tea Party Politics in a Blue State: Dino Rossi and the 2010 Washington Senate Election." In William Miller and Jeremy Walling (eds.) *Stuck in the Middle to Lose: Tea Party Effects on 2010 U.S. Senate Elections*. Rowan and Littlefield Publishing Group.
 2. **Collingwood, Loren** and Justin Reedy. "Criticisms of Deliberative Democracy." In Nabatchi, Tina, Michael Weiksner, John Gastil, and Matt Leighninger, eds., *Democracy in motion: Evaluating the practice and impact of deliberative civic engagement*. New York: Oxford University Press, 2010.
 1. **Collingwood, Loren**. "Initiatives." In Haider-Markel, Donald P., and Michael A. Card. *Political Encyclopedia of U.S. States and Regions*. Washington, DC: CQ Press, 2009.
-

Software

R package: **RTextTools**. This package uses supervised learning methods to automate text classification. Coauthors include Jurka, Boydston, Grossman, and van Atteveldt. Available on CRAN.

R package: **eiCompare**. This package compares outcomes between ecological inference (EI) estimates and EI:Rows by Columns (RxC) estimates. Primary purpose is employed in racially polarized voting analysis. Development Version available here: [eiCompare](#) or on CRAN. Coauthors include Barreto, Oskooii, Garcia-Rios, Burke, Decter-Frain, Murayama, Sachdeva, Henderson, Wood, and Gross.

R package: **Rvoterdistance**. Calculates distance between voters and multiple polling locations and/or ballot drop boxes. Ports C++ code for high speed efficiency. Available on CRAN.

R package: **Rweights**. Creates survey weights via iterative variable raking. Survey design object and weights vector are produced for use with R, Stata, and other programs. Currently in alpha form with unix tarball available here: [Rweights](#).

R package: **Rmturkcheck**. Functions for cleaning and analyzing two-wave MTurk (or other) panel studies. Available: [Rmturkcheck](#)

R package: **RCopyFind**. Functions for extracting data frames then plotting results from WCopyFind plagiarism text program. Co-authored with and Maintained by Steph DeMora. Available: [RCopyFind](#)

Under Review / Working Papers

Barreto, Matt, Michael Cohen, **Loren Collingwood**, Chad Dunn, and Sonni Waknin. “Using Bayesian Improved Surname Geocoding (BISG) to Assess Racially Polarized Voting in Voting Rights Act Challenges.” [Revise & Resubmit]

Decter-Frain, Ari, Pratik Sachdeva, **Loren Collingwood**, Juandalyn Burke, Hikari Murayama, Matt Barreto, Scott Henderson, Spencer Wood, and Joshua Zingher. “Comparing BISG to CVAP Estimates in Racially Polarized Voting Analyses.” [Revise & Resubmit]

Hickel Jr., Flavio R., Kassra A.R. Oskooii, and **Loren Collingwood**. “Social Mobility Through Immigrant Resentment: Explaining Latinx Support for Restrictive Immigration Policies and Anti-Immigrant Candidates.” [Revise & Resubmit]

Collingwood, Loren, Jason Morín, and Eitan Tzelgov. “Walls and Weed: How Threats to Local Industry Shape Economic Voting.” [Under Review]

Collingwood, Loren, Jason Morín, and Edward Vargas. “Protesting Detention: How Protests Activated Group Empathy and Party ID to Shift Attitudes on Child Detention.” [Under Review]

Paarlberg, Michael A. and **Loren Collingwood**. “Fact or Fiction: Testing the link between local immigration policy and the MS-13 ‘Threat’.” [Under Review]

Awards, Grants, and Fellowships

Matt Barreto and Loren Collingwood. Detection of Vote Dilution: New tools and methods for protecting voting rights. Data Science for Social Good project selection, University of Washington. 2020

Loren Collingwood. Measuring Cross-Racial Voter Preferences. UCR Faculty Senate. \$3,500. 2019.

Francisco Pedraza and Loren Collingwood. Evaluating AltaMed’s 2018 GOTV Efforts in Los Angeles. \$12,000. 2018-2019.

Allan Colbern, Loren Collingwood, Marcel Roman. A Mess in Texas: The Deleterious Effects of SB4 on Public Trust in Law Enforcement. Center for American Progress. \$7,100. 2018.

Karthick Ramakrishnan, Mindy Romero, Loren Collingwood, Francisco Pedraza, Evaluating California’s Voter’s Choice Act. Irvine Foundation. \$150,000, 2018-2019.

William McGuire, Loren Collingwood, Ben Gonzalez O’Brien, and Katie Baird, “Evaluating the Impact of Drop Boxes and Get-Out-The-Vote Advertising on Voter Turnout in Pierce County, WA.” MIT Election Data and Science Lab, \$16,365, 2017

Justin Freebourn and Loren Collingwood, Blum Initiative \$4,000, 2017

Hellman Fellowship Grant, UC Riverside, \$30,000, 2014-2015

Best Dissertation Award, 2013 Western Political Science Association

UC Riverside Harrison & Ethel Silver Fund, \$2,000, 2013

Best Graduate Student Paper Award State Politics section, 2012 American Political Science Association

Texas A&M Experimental Methods Winter Institute, \$800, January, 2011

UseR! 2011 Conference travel grant, \$1000, August, 2011

Center for Statistics and the Social Sciences travel grant, \$870, January, 2011

David J. Olson Research Grant, University of Washington Political Science, \$2,000, January, 2011

Warren Miller Scholarship Award, Inter-University Consortium for Political and Social Research, Summer 2009

Matthews Fellowship, University of Washington, Winter 2008 - Spring 2009

Brennan Center for Justice, New York University [with Matt Barreto]

Indiana Voter Identification Study, \$40,000 – Oct. 2007, 6 months

Teaching Experience

POSC 10 (American Politics); POSC 146 (Mass Media & Public Opinion); POSC 171 (State Politics); POSC 104S (Race and Ethnic Politics Special Topics); POSC 108 (Race and Ethnic Politics)

POLS 300: Immigration Politics with Focus on Latino Politics

POLS 300: The Voting Rights Act: Causes and Effects

POSC 202A: Introduction to Quantitative Methods (Graduate)

POSC 207: Statistical Programming and Data Science for the Social Sciences (Graduate)

POSC 207: Quantitative Text Analysis (Graduate)

POSC 220: Graduate Seminar in Race and Ethnic Politics in the U.S.

POSC 256: Graduate Seminar in Public Opinion

POSC 253: Graduate Seminar in Electoral Politics

Text Classification with R using the `RTextTools` package, UNC-Chapel Hill Workshop

Text Analysis with Political Data, Claremont Graduate School, 2019

CSSS Intermediate R Workshop 2011, Instructor (Summer)

POLS 501: Advanced Research Design and Analysis, Teaching Assistant (2 quarters)

ICPSR Summer Course: Methodological Issues in Quantitative Research on Race and Ethnicity, Teaching Assistant

POLS 202: Introduction to American Politics, Teaching Assistant

CSSS Math Camp 2011, Teaching Assistant

POLS 499D: Center for American Politics and Public Policy Undergraduate Honors Seminar (2 quarters)

Professional Service

Co-editor, *Politics of Groups and Identities*, 2020-2021

Reviewer, Political Behavior, Journal of Information Technology and Politics, American Politics Research, Social Sciences Quarterly, Journal of Politics, Politics of Groups and Identities, American Journal of Political Science, Political Research Quarterly, State Politics and Public Policy, American Political Science Review, British Journal of Political Science, Journal of Race and Ethnic Politics, Urban Studies, Urban Affairs Review; many other journals

Conference Papers and Presentations

Collingwood, Loren and Benjamin Gonzalez O'Brien. "Sanctuary Cities: The Politics of Refuge." Invited Talk California Lutheran University. (October 2020).

Collingwood, Loren. "Sanctuary Cities: The Politics of Refuge." Invited Talk California State University, Chico. (March 2020).

Collingwood, Loren. "Sanctuary Cities: The Politics of Refuge." Invited Talk Humboldt State University. (March 2020).

Collingwood, Loren. "Campaigning in a Racially Diversifying America: Whether and How Cross-Racial Electoral Mobilization Works." Invited Talk Oregon State University. (February 2020).

Collingwood, Loren and Benjamin Gonzalez O'Brien. "Sanctuary Cities: The Politics of Refuge." Invited Talk University of San Diego. (November 2019).

Collingwood, Loren. "Campaigning in a Racially Diversifying America: Whether and How Cross-Racial Electoral Mobilization Works." Invited Talk University of Massachusetts. (January 2020).

Collingwood, Loren. "Campaigning in a Racially Diversifying America: Whether and How Cross-Racial Electoral Mobilization Works." Invited Talk University of New Mexico. (December 2019).

Collingwood, Loren and Benjamin Gonzalez O'Brien. "Sanctuary Cities: The Politics of Refuge." Invited Talk California State University, Northridge, Los Angeles. (November 2019).

Collingwood, Loren and Benjamin Gonzalez O'Brien. "Sanctuary Cities: The Politics of Refuge." Invited Talk Occidental College, Los Angeles. (November 2019).

Collingwood, Loren (with Sean Long). "Can States Promote Minority Representation? Assessing the Effects of the California Voting Rights Act." UC Irvine Critical Observations on Race and Ethnicity Conference. (November 2019).

Collingwood, Loren. "Sanctuary Cities: The Politics of Refuge." Invited Talk University of Geneva, Switzerland. (November 2019).

Collingwood, Loren. "Sanctuary Cities: The Politics of Refuge." Invited Talk University of Bern, Switzerland. (October 2019).

Collingwood, Loren. "Sanctuary Cities: The Politics of Refuge." Invited Talk ETH Zurich, Switzerland. (October 2019).

Collingwood, Loren. "Sanctuary Cities: The Politics of Refuge." Invited Talk London School of Economics, U.K. (October 2019).

Collingwood, Loren. "Sanctuary Cities: The Politics of Refuge." Invited Talk University of Leeds, U.K. (October 2019).

Valenzuela, Ali, Kassra Oskooi, and Loren Collingwood. "Threat or Reassurance? Framing Midterms Results among Latinos and Whites." American Political Science Association, Washington, DC. (August 2019).

Paarlberg, Michael A. and Loren Collingwood. "Much Ado about Nothing: Local Immigration Policy and the MS-13 'Threat' ." American Political Science Association, Washington, DC. (August 2019).

Collingwood, Loren. "A Mess in Texas: The Deleterious Effects of SB4 on Public Trust in Law Enforcement." International Center for Local Democracy (ICLD) Conference on Local Democracy. Umea, Sweden (June 2019).

Collingwood, Loren. "The #FamiliesBelongTogether Outcry: How Protests Shifted Attitudes on Immigrant Family Separation and Child Detention." Invited Talk University of California, Irvine (May 2019).

Collingwood, Loren. "Text Analysis with R." Invited talk and presentation. Claremont Graduate University (May 2019)

Collingwood, Loren. "The #FamiliesBelongTogether Outcry: How Protests Shifted Attitudes on Immigrant Family Separation and Child Detention." PRIEC. UC Davis (May 2019).

Collingwood, Loren. "Data Analysis with R." Invited presentation and training Cal Poly Pomona (May 2019)

Collingwood, Loren. "The #FamiliesBelongTogether Outcry: How Protests Shifted Attitudes on Immigrant Family Separation and Child Detention." Invited Talk Northern Arizona University (May 2019)

Collingwood, Loren (with Jason Morín). "Contractor Politics: How Political Events Influence Private Prison Company Stock Shares in the Pre and Post Trump Era." Invited Talk Universidad Nacional Autonoma de Mexico, Distrito Federal, Mexico (February 2019).

Roman, Marcel, Allan Colbern, and Loren Collingwood. "A Mess in Texas: The Deleterious Effects of SB4 on Public Trust in Law Enforcement." PRIEC Consortium. University of Houston (December 2018)

Collingwood, Loren. "The #FamiliesBelongTogether Outcry: How Protests Shifted Attitudes on Immigrant Family Separation and Child Detention." Invited Talk University of Illinois Chicago (November 2018)

Collingwood, Loren. "Ongoing Research in Sanctuary Cities and Immigration Politics." Invited Talk University of Pennsylvania Perry World House (November 2018)

Collingwood, Loren. "Unfair Detention: How Protests Activated Racial Group Empathy to Shift Attitudes on Child Detention." Invited Talk Rutgers University (October 2018)

Collingwood, Loren. "Unfair Detention: How Protests Activated Racial Group Empathy to Shift Attitudes on Child Detention." UCR Alumni Research Presentation Washington and Philadelphia (October 2018)

Collingwood, Loren, Jason Morin. "Expanding Carceral Markets: Detention Facilities, ICE Contracts, and the Financial Interests of Punitive Immigration Policy." Invited Talk UCLA (October 2018).

Collingwood, Loren, Nazita Lajevardi, and Kassra Oskooii. "Opinion Shift and Stability: Enduring Opposition to Trump's "Muslim Ban". APSA (September 2018).

Collingwood, Loren, Jason Morin, and Stephen Omar El-Khatib. "Expanding Carceral Markets: Detention Facilities, ICE Contracts, and the Financial Interests of Punitive Immigration Policy." American Political Science Association Conference (August 2018).

Collingwood, Loren, Sergio Garcia-Rios, and Hannah Walker. "The Impact of Exposure to Police Brutality on Political Attitudes Among Black and White Americans." Cooperative Comparative Post-Election Survey (CMPS) Conference. (August, 2018).

Collingwood, Loren, Nazita Lajevardi, and Kassra Oskooii. "Opinion Shift and Stability: Enduring Opposition to Trump's "Muslim Ban". Politics of Race Immigration and Ethnicity Consortium (August 2018).

Collingwood, Loren, Jason Morin, and Stephen Omar El-Khatib. "Expanding Carceral Markets: Detention Facilities, ICE Contracts, and the Financial Interests of Punitive Immigration Policy." Politics of Race Immigration and Ethnicity Consortium, Michigan State University (April 2018)

Collingwood, Loren, Benjamin Gonzalez O'Brien, and Joe Tafoya. "Partisan Learning or Racial Learning: Opinion Change on Sanctuary City Policy Preferences in California and Texas." Midwest Political Science Association Conference (April 2018).

El-Khatib, Stephen Omar and Loren Collingwood. "State Policy Responses to Sanctuary Cities: Explaining the Rise of Sanctuary City Legislative Proposals." Midwest Political Science Association Conference (April 2018).

Hannah Walker, Loren Collingwood, and Tehama Lopez Bunyasi. "Under the Gun: Black Responsiveness and White Ambivalence to Racialized Black Death." Midwest Political Science Association Conference (April 2018).

Hannah Walker, Loren Collingwood, and Tehama Lopez Bunyasi. "Under the Gun: Black Responsiveness and White Ambivalence to Racialized Black Death." Western Political Science Association Conference (April 2018).

DeMora, Stephanie, Adriana Ninci, and Loren Collingwood. "Shoot First in ALEC's Castle: The Diffusion of Stand Your Ground Laws." Politics of Race Immigration and Ethnicity Consortium, ASU (February 2018).

El-Khatib, Stephen Omar and Loren Collingwood. "State Policy Responses to Sanctuary Cities: Explaining the Rise of Sanctuary City Legislative Proposals." Politics of Race Immigration and Ethnicity Consortium, UCR (September 2017).

Collingwood, Loren, Nazita Lajevardi, and Kassra Oskooii. "A Change of Heart? How Protests Shifted Individual-Level Public Opinion on Trump's Muslim Ban." APSA (September 2017).

Collingwood, Loren, McGuire, Will, Gonzalez O'Brien Ben, Hampson, Sarah, and Baird, Katie. "Do Dropboxes Improve Voter Turnout? Evidence from King County, Washington." APSA (September 2017).

Collingwood, Loren, Reny, Tyler, Valenzuela, Ali. "Flipping for Trump: In 2016, Immigration and Not Economic Anxiety Explains White Working Class Vote Switching." UCLA (May 2017).

Collingwood, Loren, Nazita Lajevardi, and Kassra Oskooii. "A Change of Heart? How Protests Shifted Individual-Level Public Opinion on Trump's Muslim Ban." UCLA (May 2017).

Collingwood, Loren, Nazita Lajevardi, and Kassra Oskooii. "A Change of Heart? How Protests Shifted Individual-Level Public Opinion on Trump's Muslim Ban." Politics of Race Immigration and Ethnicity Consortium, UCSB (May 2017).

Reny, Tyler, Ali Valenzuela, and Loren Collingwood. "Public Reactions to Anti-Latino Appeals in the Age of Obama: Race, Illegality and Changing Norms." Vancouver, Western Political Science Association Conference (April. 2017).

Collingwood, Loren, McGuire, Will, Gonzalez-O'Brien Ben, Hampson, Sarah, and Baird, Katie. "Do Dropboxes Improve Voter Turnout? Evidence from King County, Washington." WPSA (April 2017).

Gonzalez-O'Brien, Benjamin, Loren Collingwood, and Stephen El-Khatib. "Gimme Shelter: The Myth and Reality of the American Sanctuary City". Vancouver, Western Political Science Association Conference WPSA (April 2017).

Rush, Tye, Pedraza, Francisco, Collingwood, Loren. "Relieving the Conscience: White Guilt and Candidate Evaluation." Politics of Race Immigration and Ethnicity Consortium, UCI (March 2017).

Reny, Tyler, Ali Valenzuela, and Loren Collingwood. "Public Reactions to Anti-Latino Appeals in the Age of Obama: Race, Illegality and Changing Norms." Philadelphia, American Political Science Association Conference (Sept. 2016)

Barreto, Matt, Loren Collingwood, Sergio Garcia-Rios, and Kassra Oskooii. "Estimating Candidate Support: Comparing EI & EI-RxC." Chicago, Midwest Political Science Association Conference (April 2016)

Bishin, Benjamin, Loren Collingwood, and Erinn Lauterbach. "Cross-Racial Mobilization in a Rapidly Diversifying Polity: Latino Candidates and Anglo Voters" Chicago, Midwest Political Science Association Conference (April 2016)

Gonzalez-O'Brien, Benjamin, Loren Collingwood, and Stephen El-Khatib. "Gimme Shelter: The Myth and Reality of the American Sanctuary City". San Diego, Western Political Science Association Conference (April 2016)

Collingwood, Loren and Antoine Yoshinaka. The new carpetbaggers? Analyzing the effects of migration on Southern politics. The Citadel Conference on Southern Politics, Charleston, SC (Mar 2016)

Alamillo, Rudy and Loren Collingwood. Chameleon Politics: Social Identity and Racial Cross-Over Appeals. American Political Science Association Conference, San Francisco (Sept 2015)

Reny, Tyler, Ali Valenzuela, and Loren Collingwood. "Public Reactions to Anti-Latino Appeals in the Age of Obama: Race, Illegality and Changing Norms." San Francisco, American Political Science Association Conference (Sept 2015)

Alamillo, Rudy and Loren Collingwood. Chameleon Politics: Social Identity and Racial Cross-Over Appeals. Western Political Science Association Conference, Las Vegas (April 2015)

Barreto, Matt and Loren Collingwood. Confirming Electoral Change: The 2012 U.S. Presidential Election OSU Conference (October, 2013). "Earning and Learning the Latino Vote in 2008 and 2012: How the Obama Campaign Tried, Refined, Learned, and Made Big Steps in Cross-Racial Mobilization to Latinos.

Collingwood, Loren and Ashley Jochim. 2012 Midwest Political Science Association Annual Conference (April) Chicago, IL. "Electoral Competition and Latino Representation: The Partisan Politics of Immigration Policy in the 104th Congress."

Collingwood, Loren. 2012 Western Political Science Association Annual Conference (March) Portland, OR. "The Development and Use of Cross-Racial Mobilization as Campaign Strategy in U.S. Elections: The Case of Texas 1948-2010."

Collingwood, Loren. 2012 Institute for Pragmatic Practice Annual Conference (March) Seattle, WA. "Changing Demographics, Rural Electorates, and the Future of American Politics."

Collingwood, Loren. 2012 Politics of Race, Immigration, and Ethnicity Consortium (January) Riverside, CA. "The Development of Cross-Racial Mobilization: The Case of Texas 1948-2010."

Collingwood, Loren. 2011 American Political Science Association Annual Conference (September) Seattle, WA. "The Pursuit of Victory and Incorporation: Elite Strategy, Group Pressure, and Cross Racial Mobilization."

Forman, Adam and Loren Collingwood. 2011 American Political Science Association Annual Conference (September) Seattle, WA. "Measuring Power via Presidential Phone Records." (Poster)

Collingwood, Loren with (Tim Jurka, Wouter Van Atteveldt, Amber Boydstun, and Emiliano Grossman). UseR! 2011 Conference. (August) Coventry, United Kingdom. "RTextTools: A Supervised Learning Package for Text Classification in R."

Jurka, Tim, Loren Collingwood, Wouter Van Atteveldt, Amber Boydstun, and Emiliano Grossman. 2011 Comparative Agendas Project Conference. (June) Catania, Italy. "RTextTools: A Supervised Learning Package for Text Classification in R."

Collingwood, Loren and John Wilkerson. 2011 Journal of Information Technology & Politics Conference. (May) Seattle, WA. "Tradeoffs in Accuracy and Efficiency in Supervised Learning Methods."

Collingwood, Loren. 2011 Politics of Race, Immigration, and Ethnicity Consortium (May) Davis, CA. "The Pursuit of Victory and Incorporation: Elite Strategy, Group Pressure, and Cross Racial Mobilization"

Collingwood, Loren. 2011 Western Political Science Conference (April) San Antonio, TX. "Race-Matching as Targeted Mobilization."

Collingwood, Loren. 2011 Western Political Science Conference (April) San Antonio, TX. "The Pursuit of Victory and Incorporation: Elite Strategy, Group Pressure, and Cross Racial Mobilization"

Collingwood, Loren (with John Wilkerson). Invited Talk: Texas A&M University. (April, 2011) "Tradeoffs in Accuracy and Efficiency in Supervised Learning Methods."

Collingwood, Loren (with John Wilkerson). Invited Talk: Rice University. (April, 2011) "Tradeoffs in Accuracy and Efficiency in Supervised Learning Methods."

Collingwood, Loren. 2011 Midwest Political Science Association Annual Conference (April) Chicago, IL. "Race-Matching as Targeted Mobilization."

Collingwood, Loren and John Wilkerson. 2011 Text as Data Conference. (March) Evanston, IL. "Tradeoffs in Accuracy and Efficiency in Supervised Learning Methods."

Collingwood, Loren and John Wilkerson. 2011 Southern Political Science Conference. (January) New Orleans, LA. "Tradeoffs in Accuracy and Efficiency in Supervised Learning Methods."

Collingwood, Loren (with Ben Gonzalez). 2010 American Political Science Association Annual Conference. (September) Washington, DC. "The Political Process in Florida: Modeling African American Registration Rates Post *Smith v. Allwright*, 1944-1964."

Wilkerson, John, Steve Purpura, and Loren Collingwood. 2010 NSF Funded Tools for Text Workshop. (June) Seattle, WA. "Rtexttools: A Supervised Machine Learning Package in an R-Wrapper."

Collingwood, Loren and Marcela Garcia-Castanon. 2010 Western Political Science Association Annual Conference. (April) San Francisco, CA. "Negativity as a Tool: candidate poll standing and attack politics."

Collingwood, Loren. 2010 Politics of Race, Immigration, and Ethnicity Consortium. (January) Riverside, CA. "White Outreach: A spatial approach to modeling black incorporation in Florida post *Smith v. Allwright*, 1944-1965."

Collingwood, Loren. 2009 Western Political Science Association Annual Conference. (March) Vancouver, BC. "Levels of Education, Political Knowledge and Support for Direct Democracy."

Collingwood, Loren. 2009 Western Political Science Association Annual Conference. (March) Vancouver, BC. "The Negativity Effect: Psychological underpinnings of advertising recall in modern political campaigns."

Collingwood, Loren and Marcela Garcia-Castanon. 2009 Western Political Science Association Annual Conference. (March) Vancouver, BC. "Negativity as a Tool: predicting negative responses and their effectiveness in the 2008 campaign season."

Collingwood, Loren and Marcela Garcia-Castanon. 2009 Western Political Science Association Annual Conference. (March) Vancouver, BC. "Switching codes: analyzing Obama's strategy for addressing Latinos in the 2008 presidential campaign."

Collingwood, Loren, (with Matt Barreto and Sylvia Manzano) 2009 Shambaugh Conference. (March) University of Iowa, IA. "More than one way to shuck a tamale: Latino influence in the 2008 general election."

Collingwood, Loren and Marcela Garcia-Castanon. 2009 Midwest Political Science Association Annual Conference. (April) Chicago, IL. "Switching codes: analyzing Obama's strategy for addressing Latinos in the 2008 presidential campaign."

Collingwood, Loren and Marcela Garcia-Castanon. 2009 Pacific Northwest Political Science Conference. (October) Victoria, BC. "Negativity as a Tool: predicting negative responses and their effectiveness in the 2008 campaign season."

Collingwood, Loren and Francisco Pedraza (with Matt Barreto and Chris Parker). 2009 Center for Statistics and the Social Sciences 10th Anniversary Conference. (May) Seattle, WA. "Race of interviewer effects: perceived versus actual."

Collingwood, Loren (with Matt Barreto, Chris Parker, and Francisco Pedraza). 2009 Pacific Northwest Political Science Conference. (October) Victoria, BC. "Race of interviewer effects: perceived versus actual."

Barreto, Matt, Loren Collingwood and Todd Donovan. 2008 Midwest Political Science Association Annual Conference. (April) Chicago, IL. "Early Presidential Primaries, Viability, and Vote Switching in 2008."

Collingwood, Loren. 2008 Midwest Political Science Association Annual Conference. (April) Chicago, IL. "Levels of Education and Support for Direct Democracy: A Survey Experiment."

Collingwood, Loren. 2008 American Political Science Association Annual Conference. (September) Boston, MA. "Levels of Education and Support for Direct Democracy: A Survey Experiment." (Poster)

Collingwood, Loren. 2008 American Political Science Association Annual Conference. (September) Boston, MA. "Response Effects in Multi-Candidate Primary Vote Questions." (Poster)

Computer Skills

R, Stata, Python, WinBugs/JAGS, L^AT_EX, SPSS, MySQL, Access, ArcGIS, Some C++ when interacting with R.

Reports

Collingwood, Loren. (2008). *The Washington Poll: pre-election analysis*. www.washingtonpoll.org.

Collingwood, Loren. (2008). *Democratic underperformance in the 2004 gubernatorial election: explaining 2004 voting patterns with an eye towards 2008*. www.washingtonpoll.org.

Barreto, Matt, Loren Collingwood, Francisco Pedraza, and Barry Pump. (2009). *Online voter registration in Washington State and Arizona*. Commissioned by Pew Research Center.

Collingwood, Loren, Todd Donovan, and Matt Barreto. (2009). *An assessment of ranked choice voting in Pierce County, WA*.

Collingwood, Loren. (2009). *An assessment of the fiscal impact of ranked choice voting in Pierce County, WA*. Commissioned by the League of Women Voters.

Barreto, Matt, and Loren Collingwood. (2009). *Latino candidates and racial block voting in primary and judicial elections: An analysis of voting in Los Angeles County board districts*. Commissioned by the Los Angeles County Chicano Employees Association.

Barreto, Matt, and Loren Collingwood. (2011). *A Review of Racially Polarized Voting For and Against Latino Candidates in Los Angeles County 1994-2010*. Commissioned by Los Angeles County Supervisor Gloria Molina. August 4.

Collingwood, Loren. (2012). *Recent Political History of Washington State: A Political Map*. Commissioned by the Korean Consulate.

Collingwood, Loren. (2012). *Analysis of Polling on Marijuana Initiatives*. Commissioned by Greenberg Quinlan Rosner.

Collingwood, Loren, Sean Long, and Francisco Pedraza. (2019). *Evaluating AltaMed Voter Mobilization in Southern California, November 2018*. Commissioned by AltaMed.

Relevant Work Experience

Collingwood Research, LLC

Statistical Consulting and Analysis

January 2008 - Present

Conducted over 200 projects involving political research, polling, statistical modeling, redistricting analysis and mapping, data analysis, micro-targeting, and R software development for political and non-profit clients. Clients include: Greenberg Quinlan Rosner, Latino Decisions, Pacific Market Research, Beck Research, Squier Knapp Dunn Communications, Anzalone-Lizst Research, League of Women Voters, Shelia Smoot for Congress, pollster.com, Comparative Agendas Project, Amplified Strategies, Gerstein Bocian & Agne, Strategies 360, the Korean Consulate, the California Redistricting Commission, Monterey County Redistricting Commission, ClearPath Strategies, Los Angeles County Council, Demchak & Baller Legal, Arnold & Porter LLP, JPM Strategic Solutions, National Democratic Institute (NDI) – on site in Iraq, Latham & Watkins, New York ACLU, United States Department of Justice (Demography), Inland Empire Funder's Alliance (Demography), Perkins & Coie, Elias Law Group; Campaign Legal Center; Santa Clara County (RPV Analysis); Native American Rights Fund (NARF); West Contra Costa Unified School District (Demography); Lawyers' Committee for Civil Rights Under Law; LatinoJustice PRLDEF, Voces de Frontera; Roswell, NM Independent School District

Expert Witness Work

Expert Witness: *LOWER BRULE SIOUX TRIBE v. LYMAN COUNTY*, 2022

Expert Witness: *Walen and Henderson v. Burgum and Jaeger No 1:22-cv-00031-PDW-CRH*, 2022

Expert Witness: *Faith Rivera, et al. v. Scott Schwab and Michael Abbott No. 2022-CV-000089*, 2022

Expert Witness: *LULAC Texas et al. v. John Scott et al (1:21-cv-0786-XR)*, 2022

Expert Witness: *Pendergrass v. Raffensperger (N.D. Ga. 2021)*,

Expert Witness: *Johnson, et al., v. WEC, et al., No. 2021AP1450-OA*, 2021

Expert Witness: *East St. Louis Branch NAACP vs. Illinois State Board of Elections*, 2021

Expert Witness: *LULAC of Iowa vs. Pate*, 2021-2022

Expert Witness: *United States Department of Justice vs. City of Hesperia*, 2021-2022

Expert Witness: *NAACP vs. East Ramapo Central School District*, New York, 2018-2019

Riverside County, Corona and Eastvale, 2015

Los Angeles County Redistricting Commission, 2011

Racially Polarized Voting analysis of Latino and Asian candidates in San Mateo County and alternative map creation, 2010-2011

State of California, Citizens Redistricting Commission, including Blythe, CA, in Riverside County, 2011

Monterey County, CA Redistricting, alternative map creation, 2011

Loren Collingwood

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Greenberg Quinlan Rosner

Assistant Analyst, Anna Greenberg

June 2005 - May 2007

Assisted in the development of questionnaires, focus group guidelines, memos, and survey reports for political, non-profit, and corporate clients. Moderated in-depth interviews and focus groups.

Greenberg Quinlan Rosner

Field Associate

December 2003 - June 2005

Managed qualitative and quantitative data collection process in the U.S. and internationally. Provided methodological advice, including sample stratification, sampling Latino populations, and modal sampling strategies.

Congressman Adam Schiff

Database Manager

March 2003 - June 2003

Managed constituent mail and survey databases; updated and maintained Member's Congressional voting record.

Strategic Consulting Group

Field Organizer, Carol Roberts for Congress

July 2002 - November 2002

Recruited and coordinated over 100 volunteers for mailings, canvassing, phone banking, and GOTV operations. Developed internship program and managed 15 interns from local colleges and high schools.

Institute for Policy Studies

Intern, John Cavanagh

May 2001 - August 2001

Provided research assistance for projects advocating reform of the WTO, World Bank, and IMF. Worked on reports and op-ed pieces on global economic issues advocating fair trade.