

North Carolina Senate District Groupings

County Groupings	Challenged Districts	Unchallenged Districts in Grouping	Democratic Seat Share (2018)	Democratic Two-Party Vote Share (Across Grouping) (2018)	Chen Outlier	Mattingly Outlier	Pegden Outlier (most partisan %, most carefully crafted %)
Bladen, Pender, Brunswick & New Hanover	SD 8, SD 9	None	1/2	44.70%	Yes ¹	Atypical ²	Could not generate any comparison maps other than enacted map itself ³
Sampson, Duplin, Johnston, Nash, Lee & Harnett	SD 10, SD 11, SD 12	None	0/3	40.80%	Yes ¹	No finding ⁴	Indeterminate— Most partisan 5.3% but could not generate enough comparison maps to assess most carefully crafted ⁵

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Mecklenburg	SD 37, SD 38, SD 39, SD 40, SD 41	None	4/5	65.79%	Yes ¹	Highly atypical ⁶	Yes (.0015%, .005%) ⁷
Wake & Franklin	SD 14, SD 15, SD 16, SD 17, SD 18	None	4/5	62.47%	Yes ¹	Highly atypical ⁸	Yes (.0000005%, .0000015%) ⁹
Randolph, Guilford & Alamance	SD 24, SD 26, SD 27, SD 28	None	2/4	52.43%	Yes ¹	Highly atypical ¹⁰	Yes (.05%, .15%) ¹¹
Transylvania, Henderson & Buncombe	SD 48, SD 49	None	1/2	54.88%	Yes ¹	Atypical ¹²	Yes (.2%, .6%) ¹³
Davie & Forsyth	SD 31, SD 32	None	1/2	53.28%	Yes ¹	Highly atypical ¹⁴	Yes (.007%, .02%) ¹⁵

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¹ Report of Jowei Chen, Ph.D., Apr. 8, 2019, at 6 (“I found that the 2017 Senate plan contains partisan outlier districts within the following seven Senate county Groupings...”); *id.* at 142–43.

² Report of Jonathan C. Mattingly, Ph.D., Apr. 8, 2019 (“Mattingly Rep.”), at 19–20.

³ Report of Wesley Pegden, Ph.D., Apr. 8, 2019 (“Pegden Rep.”), at 30.

⁴ Mattingly Rep. at 24.

⁵ Pegden Rep. at 29.

⁶ Mattingly Rep. at 16.

⁷ Pegden Rep. at 27.

⁸ Mattingly Rep. at 17.

⁹ Pegden Rep. at 26.

¹⁰ Mattingly Rep. at 23.

¹¹ Pegden Rep. at 30.

¹² Mattingly Rep. at 21–22.

¹³ Pegden Rep. at 28.

¹⁴ Mattingly Rep. at 18.

¹⁵ Pegden Rep. at 25.