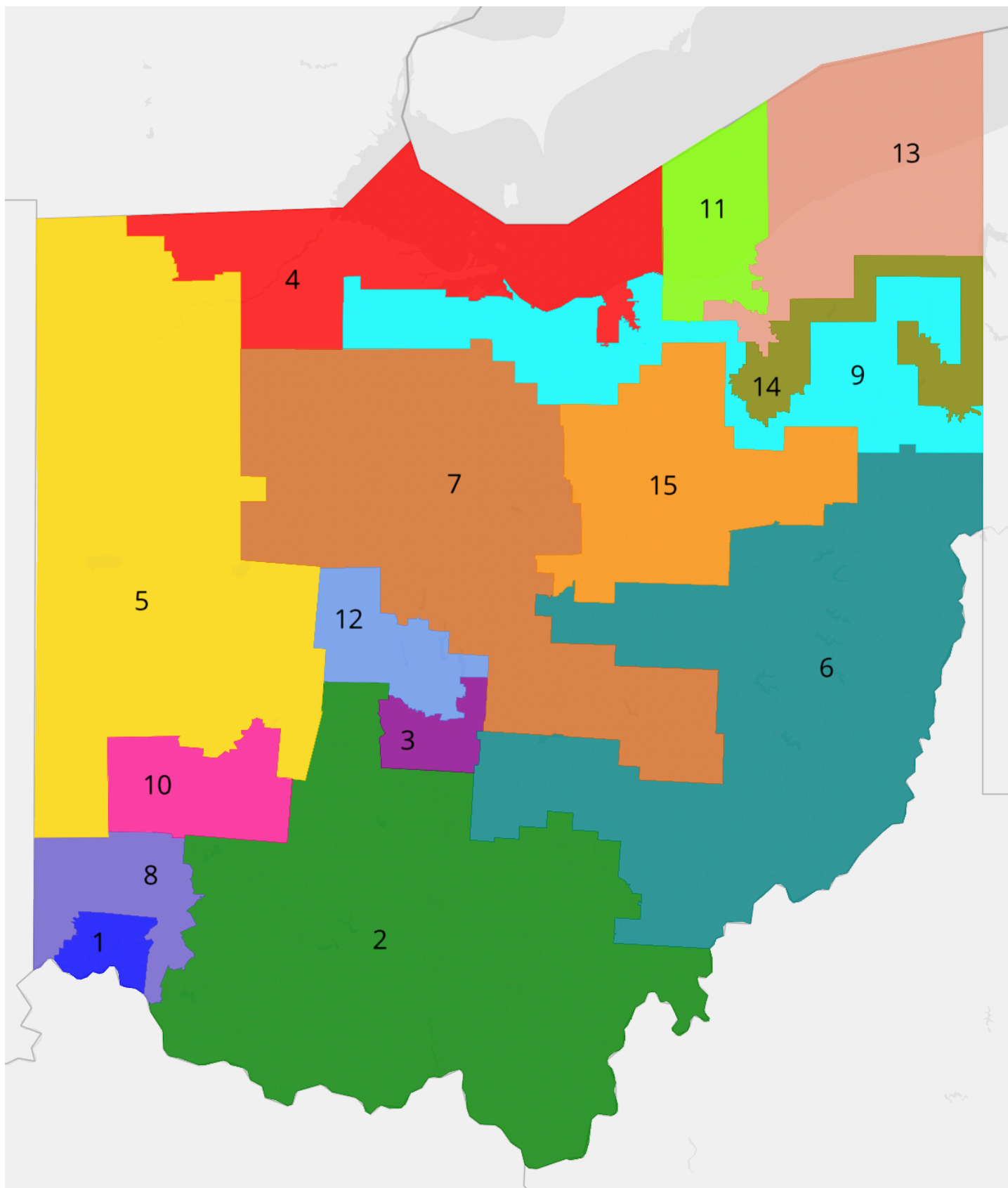


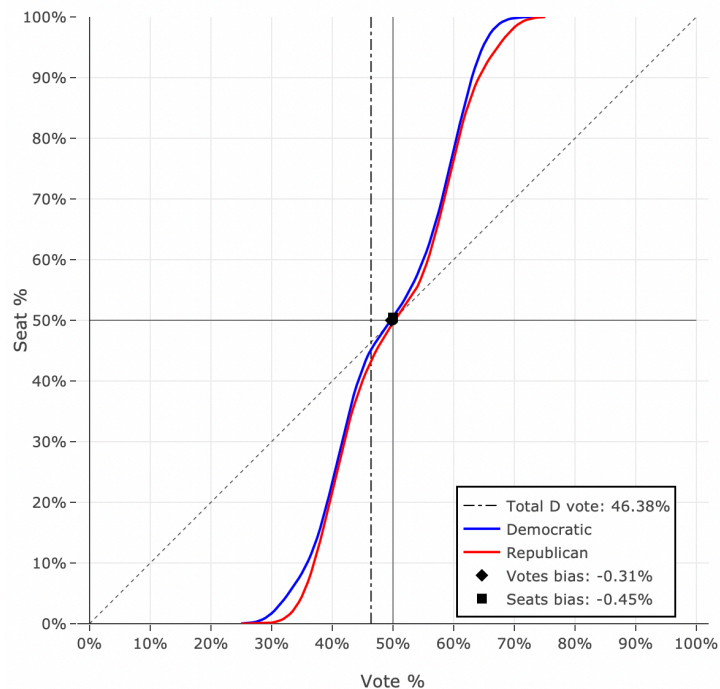
Ohio Proportional (8R-7D) Congressional Map

by Jack Munzel



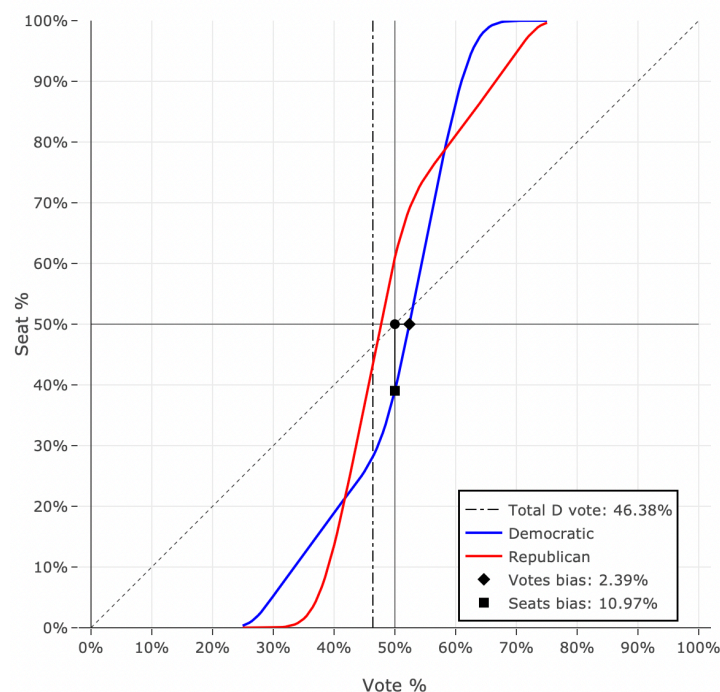
This map is designed to deliver an extremely proportional result while adhering to Ohio constitutional requirements, federal mandates, and mapmaking best practices. As shown in the figure below, the number of votes cast and the number of seats won for both major parties are highly proportional, especially in the competitive (45%-55%) range.

Seats-Votes Curve: Ohio 8R-7D

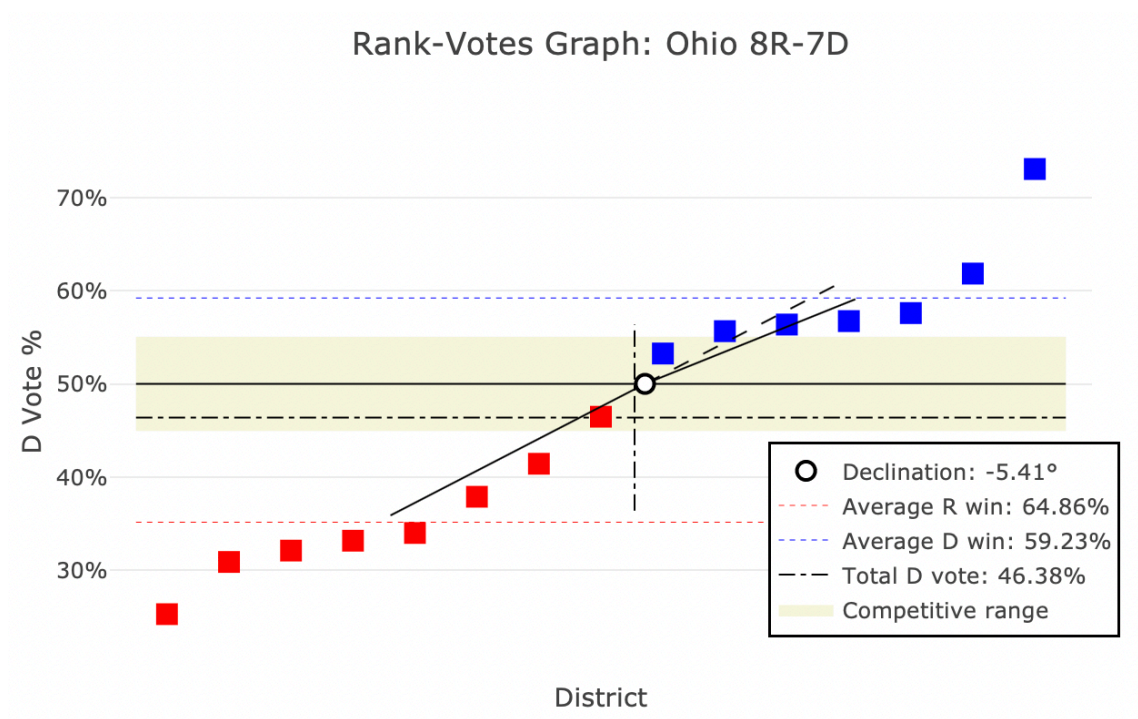


Compare to current map (widely regarded as a Republican gerrymander), where Democrats need far more votes to reach a proportional number of seats.

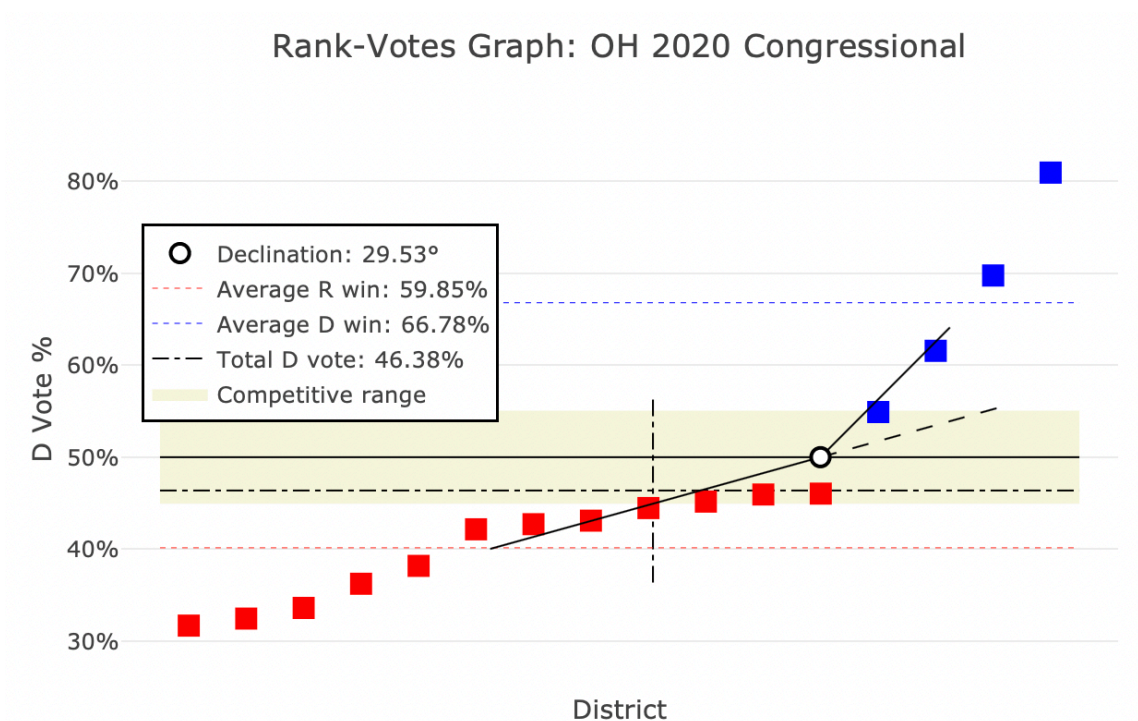
Seats-Votes Curve: OH 2020 Congressional



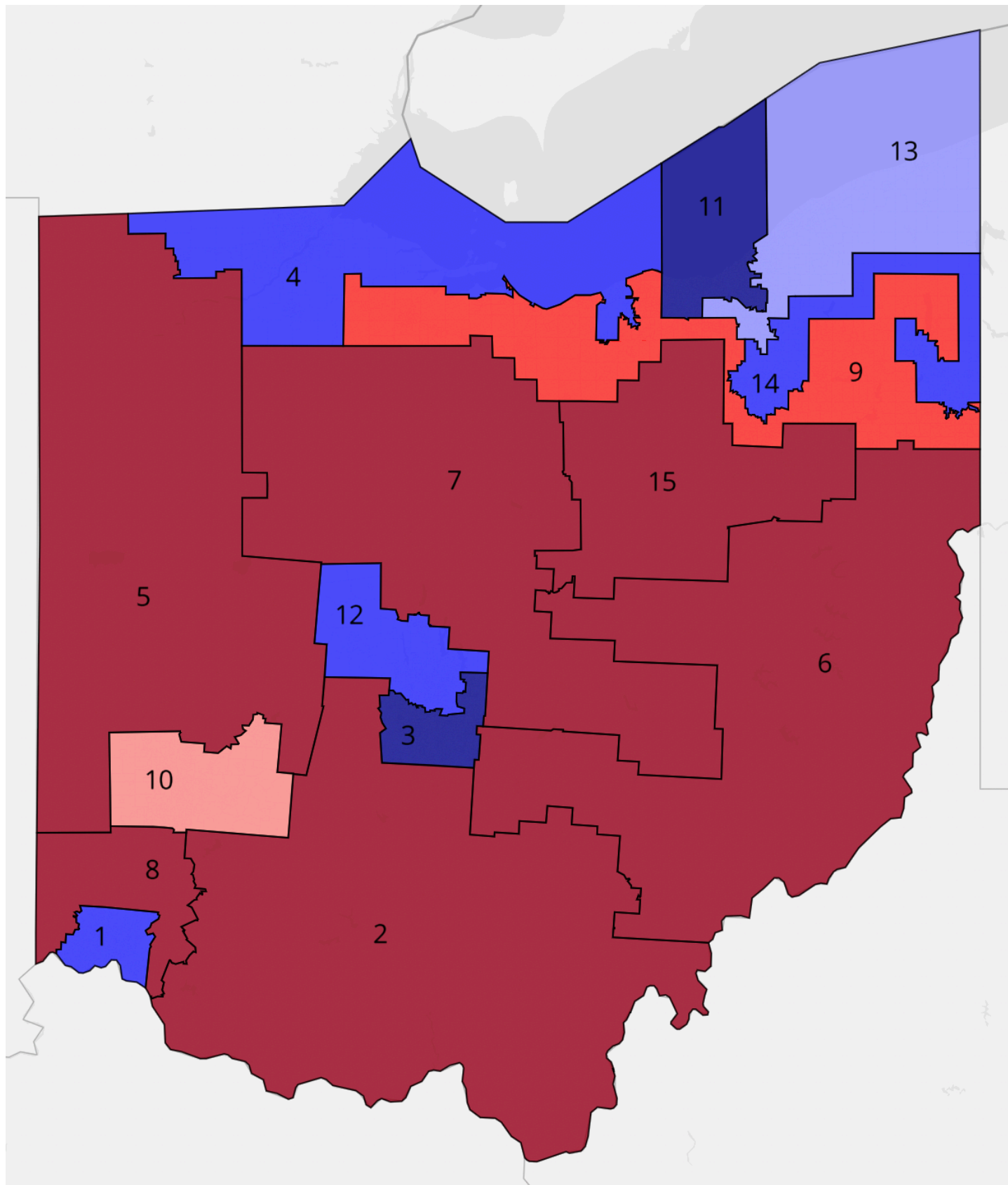
Below is the expected margin for each party in each district. There are six solidly Democratic districts, seven solidly Republican districts, and two competitive districts (one leaning Democratic and one leaning Republican).



Compare to current map (Republican gerrymander), where Democratic votes are wasted by being concentrated into a limited number of districts and Republican votes are spread out to achieve victories in more districts. Also notice more extreme scale on left.



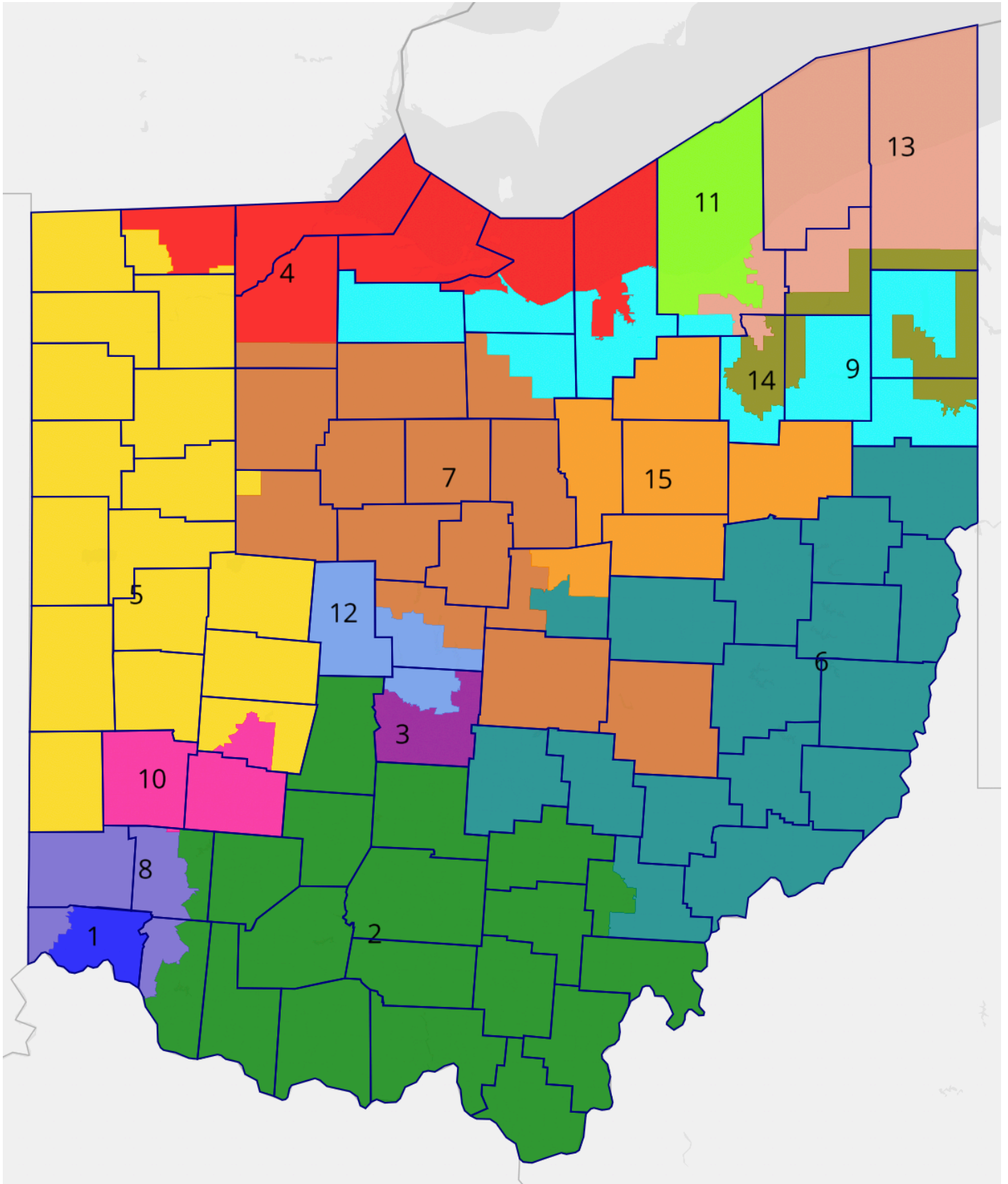
Here is a map delineating each district and illustrating its political leaning (shaded based on 2016-2020 composite data where darker blue is more Democratic and darker red is more Republican).



Here is a table illustrating the population and voting information for each district.

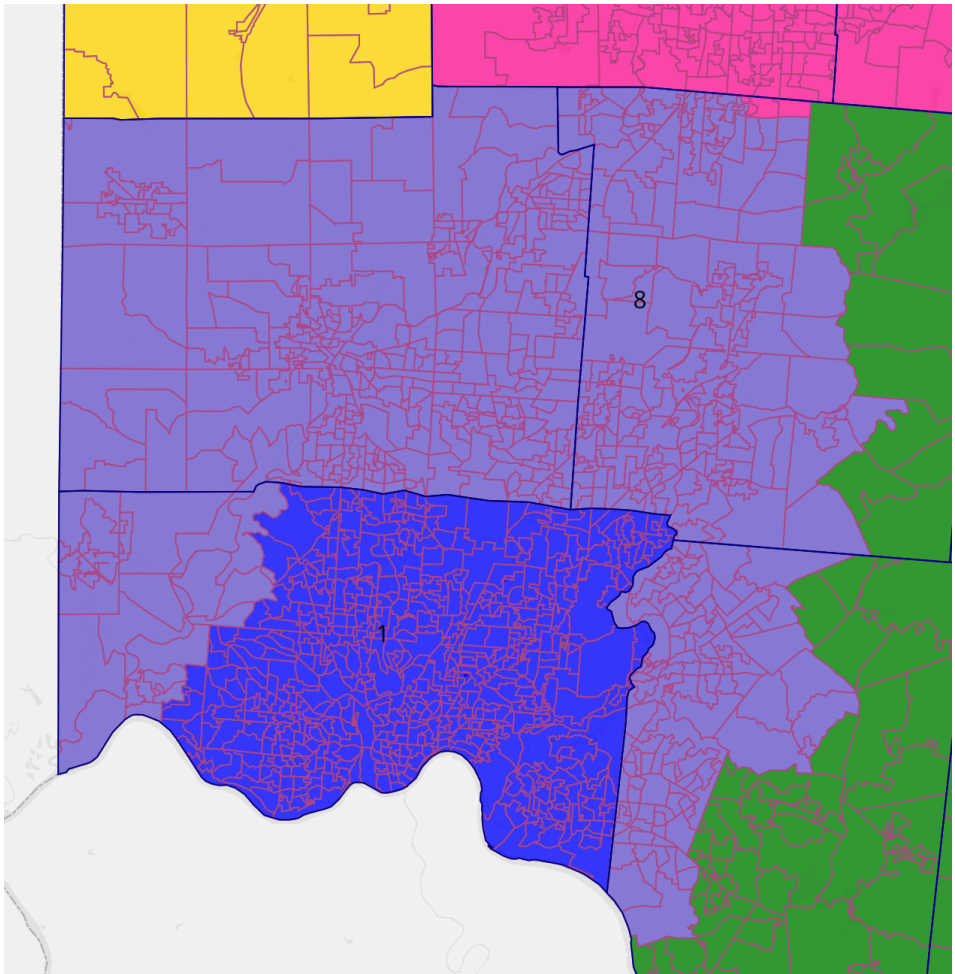
District	Population		Partisan Lean		
	Population	+/-	Democratic	Republican	Other
1	786,265	-0.05%	55.11%	42.65%	2.24%
2	787,029	0.05%	30.15%	67.51%	2.33%
3	786,863	0.03%	60.41%	37.27%	2.32%
4	785,876	-0.10%	54.09%	43.08%	2.84%
5	786,468	-0.02%	24.63%	72.75%	2.62%
6	786,934	0.04%	33.13%	64.36%	2.51%
7	784,898	-0.22%	31.19%	66.00%	2.81%
8	786,376	-0.03%	32.38%	65.30%	2.31%
9	785,493	-0.14%	40.37%	57.09%	2.54%
10	787,271	0.08%	45.25%	52.26%	2.48%
11	787,588	0.12%	71.47%	26.33%	2.20%
12	786,830	0.03%	55.49%	42.30%	2.21%
13	787,276	0.08%	52.08%	45.70%	2.22%
14	787,403	0.10%	56.24%	41.39%	2.37%
15	786,866	0.03%	36.87%	60.48%	2.65%
Total	786,629	0.34%	45.25%	52.31%	2.44%

Next is a map showing each district and its relationship to county lines. For reference, 21 counties are split a total of 25 times: Ashtabula (1), Athens (1), Clark (1), Clermont (1), Cuyahoga (2), Delaware (1), Erie (1), Franklin (1), Fulton (1), Geauga (1), Hamilton (1), Hardin (1), Huron (1), Knox (2), Lorain (1), Mahoning (1), Portage (1), Summit (2), Trumbull (1), Warren (2), and Wood (1).

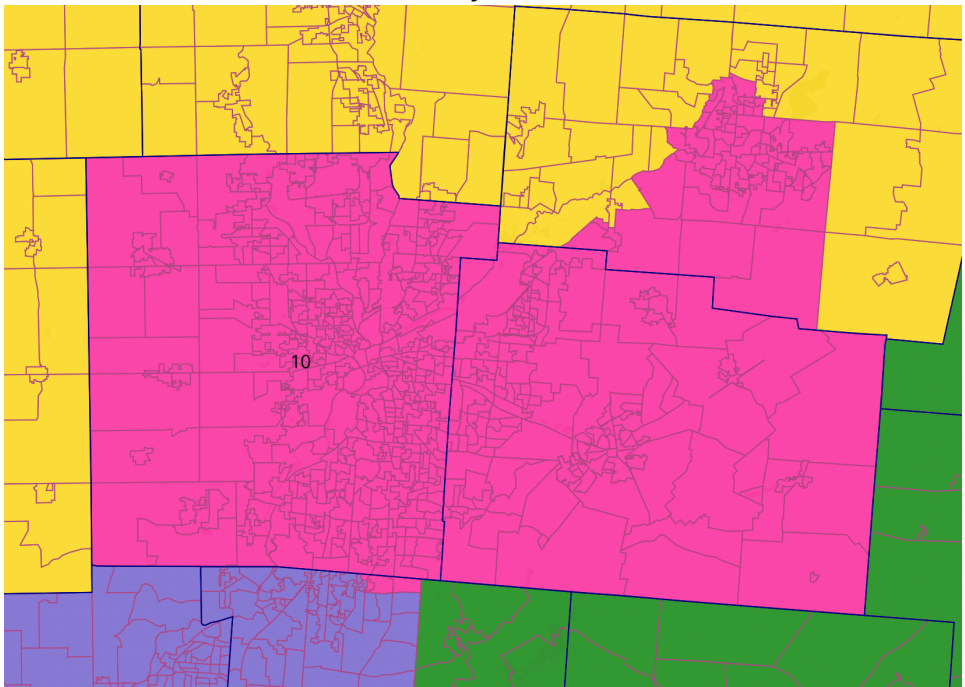


Here are some inset maps showing precinct lines, county lines, and regions of interest.

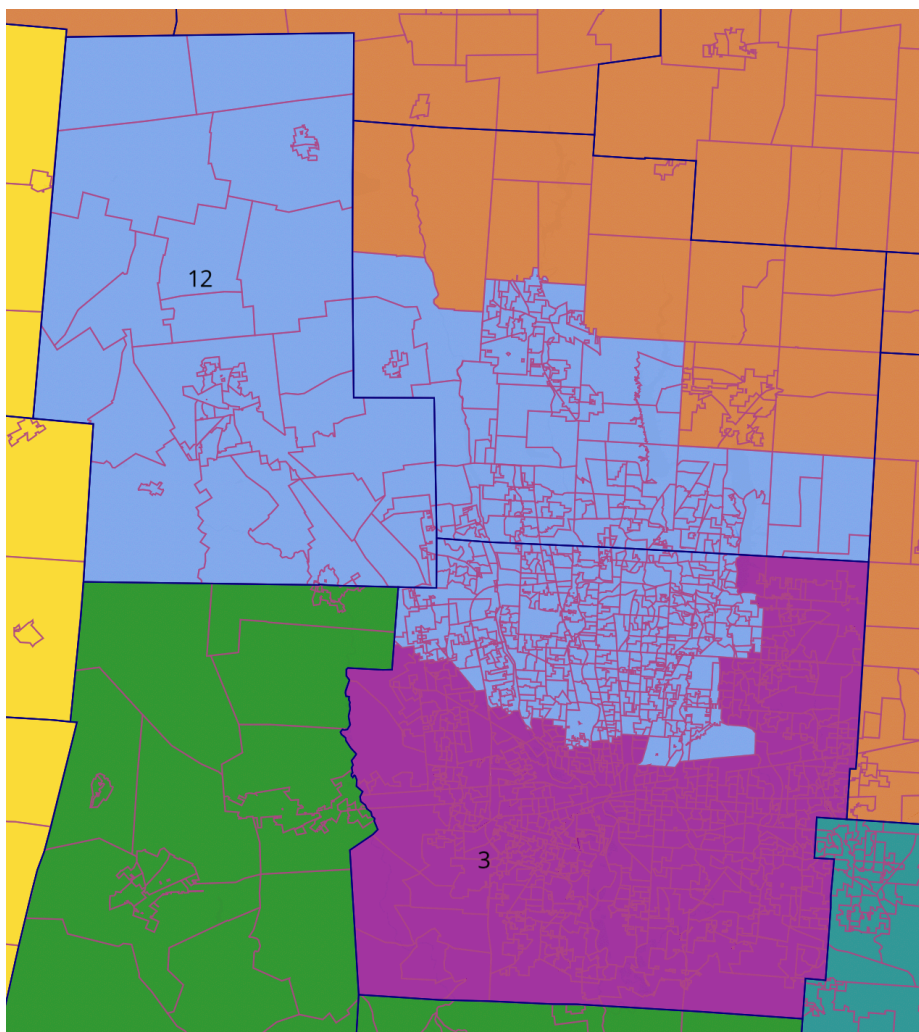
Cincinnati



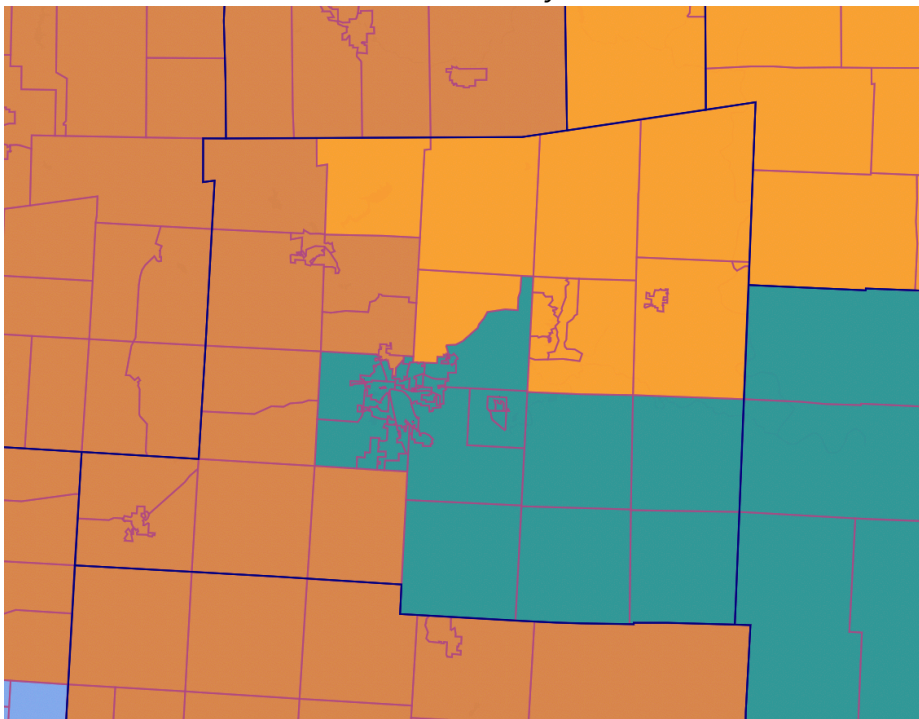
Dayton



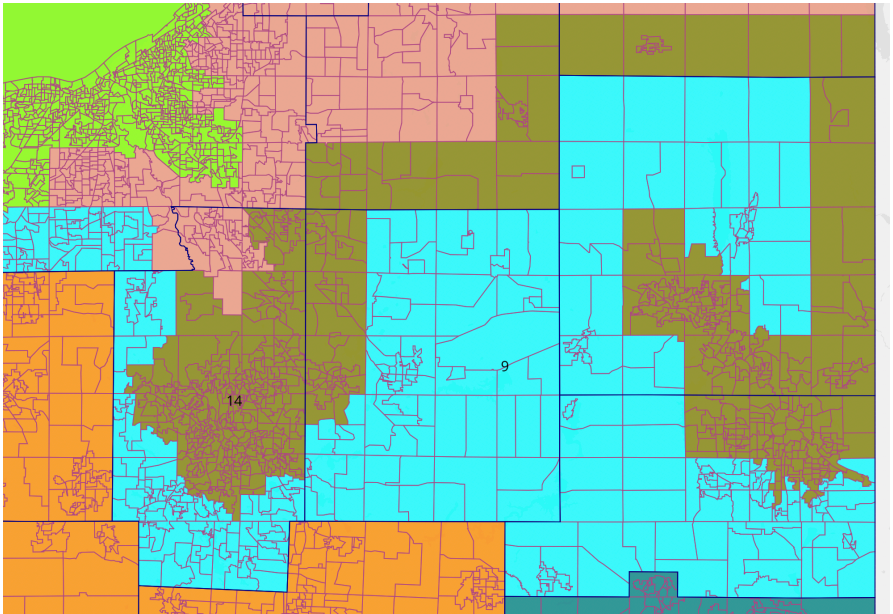
Columbus



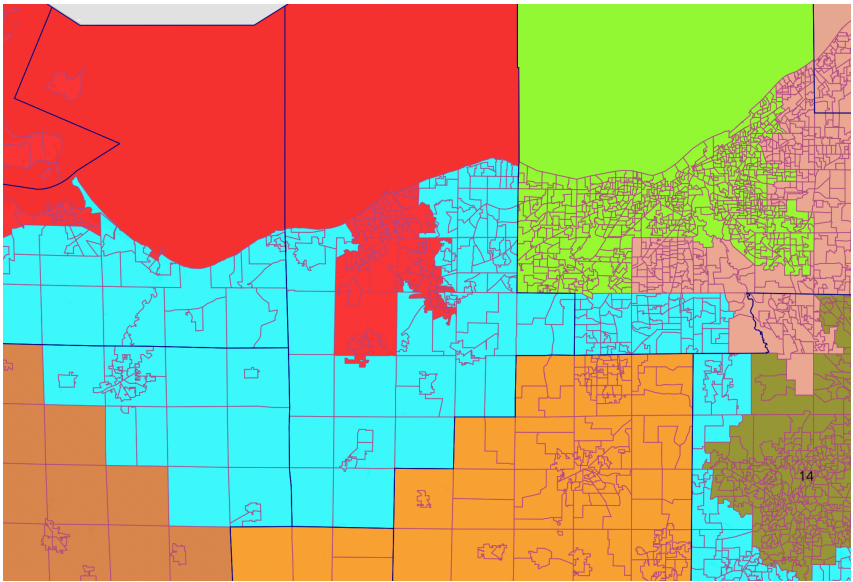
Knox County



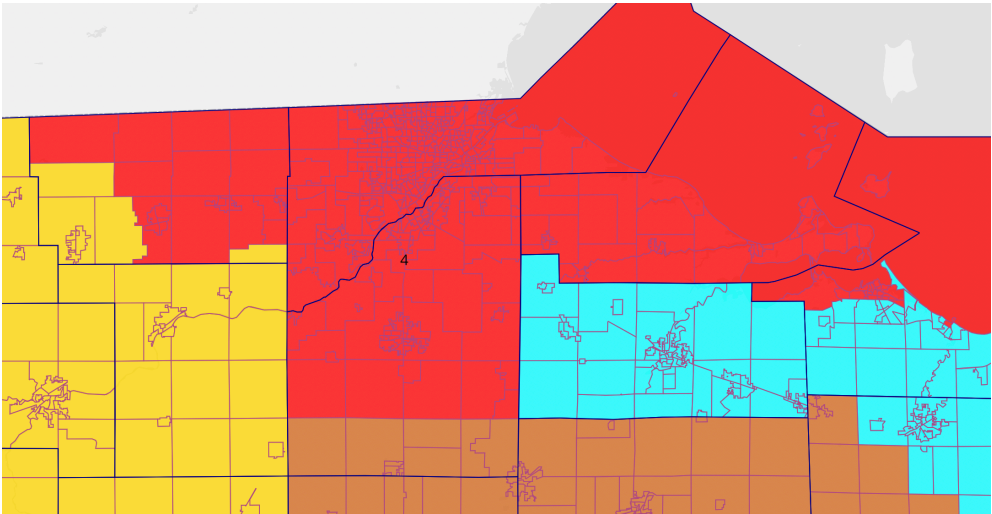
Akron-Youngstown



Cleveland



Toledo



I have made every attempt to follow all applicable laws and protocols while creating this map. However, I cannot guarantee that it offers full compliance with all statutes. Please let me know if you see an error.

For feedback or comments, please email munzelmap@gmail.com.

Many thanks to Dave's Redistricting App (davesredistricting.org) for providing such robust and accurate mapmaking software.