How to Easily Compare Maps

September 14, 2023 | Redistricting Data Hub (RDH)
Agenda

1. Comparing maps in Redistricting & You

2. Comparing maps in Dave’s Redistricting App (DRA)

3. Where can I find maps?

4. Questions?
Redistricting & You

- The Center for Urban Research (CUR) at The Graduate Center of the City University of New York (CUNY) created the Redistricting & You online map to help members of the public, journalists, elected officials, and other redistricting stakeholders to understand the local implications of redrawing legislative district lines across the country.

- Built to enable comparison of post-2010 and post-2020 districts.

- Two versions: United States (50 states), and State Specific (9 states).
Redistricting & You (US version)

- Go to https://www.redistrictingandyou.org
  
  a. Select a state and district
  
  b. Or, enter an address
  
  c. Or, click anywhere on the map

- Select level (Congress / State Lower House / State Upper House)
  
  a. Only includes official maps
The location you've selected is in Georgia's new Congressional district 5.

NOTE: District plan under litigation (per All About Redistricting's national overview)

The Congressional district number for this location (5) is the same. But the district lines have changed. Use the slider to compare:
- move the slider to the left for the old lines;
- move it to the right for the new ones.
Redistricting & You (US version)

◆ Provides summary statistics of individual districts [DATA]:

  a. Total population and voting age population, by race/ethnicity
  b. Voting patterns in the 2020 presidential election
  c. Metrics on compactness and splits of political subdivisions
  d. District size, incarcerated population, and deviation from ideal
Redistricting & You (US version)

- Allows you to visually toggle [LEGEND]
  a. Aerial imagery (street map view)
  b. Counties
  c. Voting age population by race/ethnicity by block group
  d. 2020 presidential vote share by precinct
Redistricting & You (9 States)

- State specific website for FL, GA, LA, MA, MO, MS, NC, NJ, and NY enable you to compare post-2010 with official and alternative post-2020 maps

- Also enables more visual comparisons [LEGEND], including
  a. Relevant political subdivisions (such as towns or precincts)
  b. Communities of interest (GA and NC only)

- Go to https://www.STATE.redistrictingandyou.org
The location you've selected is in Senate 29, in effect from 2012-2022.

District population (2020)

- Total population: 528,123
- Voting age pop.: 423,605
- Adults in correctional facilities: 2,324
- Average district pop. in FL: 538,455
- District below avg. by...: 10,332 people
- % difference from avg.: -1.9%

Hover over charts for population %:

- Total Population
- Voting Age (VAP)

Hover over legend to highlight chart.

The location you've selected is in State Senate district 31 from a district plan submitted by Florida Senate Committee on Reapportionment on Nov. 10, 2021 that was not approved.

District population (2020)

- Total population: 539,824
- Voting age pop.: 452,490
- Adults in correctional facilities: 0
- Average district pop. in FL: 538,455
- District above avg. by...: 1,369 people
- % difference from avg.: 0.3%

Hover over charts for population %:

- Total Population
- Voting Age (VAP)

Hover over legend to highlight chart.
Redistricting & You

- Highlights
  a. No account required
  b. Easy to use, no specialized skills/knowledge required
  c. Provides key data points for both maps
  d. Great for visualization
The mission of Dave’s Redistricting App (DRA) is to empower civic organizations and citizen activists to advocate for fair congressional and legislative districts and increased transparency in the redistricting process.

It enables drawing of communities of interest, local, state legislative, and congressional maps.

It also includes numerous metrics for analyzing maps, and allows you to import and export maps in several formats.
DRA

- Go to https://davesredistricting.org and select login or signup
Welcome to Dave's Redistricting

Empowering Citizens to Advocate for Fair and Transparent Redistricting

Create, Analyze and Share District Maps with DRA 2020

Click a state to go to its page.
Import or select map

a. Go to Maps and select from your existing list

b. Or, go to Maps and select import button, then upload

c. Or, go to Home and select state, then currently enacted or notable map
Welcome to Dave's Redistricting

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Fair and Transparent Redistricting

Create, Analyze and Share
District Maps
with
DRA 2020

PICK A STATE  LEARN MORE

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Select compare button

Select up to 5 maps to compare
   a. Default option is Notables
   b. But can select any published map, from you or others
   c. Or any of your unpublished maps
Copy of NY 2022 State Senate (Court Ordered Technical Corrections)

Ratings: Copy of NY 2022 State Senate (Court Ordered Technical Corrections)

These maps are compared with ratings that use the default Census, Voting Age and Election datasets, which are noted below, to ensure 'apples to apples' comparisons.

Bigger is better, for the ratings above.

All maps are rated using these datasets
- Precinct Shapes: Census 2020
- Total Population: Census Adjusted 2020
### Pick Map to Compare

1 out of max 5 choices selected

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DRA

- Compares:
  a. Competitiveness (C)
  b. Minority representation (M)
  c. Compactness (C’)
  d. Splitting (S)
  e. Proportionality (P)

- All scaled 0 to 100, with 100 be the best possible score

- Learn more about these analytics
Ratings to Selected Maps

These are the comparative ratings for the selected maps in pairs.

1 - min_county_splits_NY_SS_(by_Maral_Shahmizad_an ...

2 - NY State Senate Proportional

3 - NY 2022 State Senate (Superseded)
If you select only one map to compare, you will also see a table comparing the population across the two maps, district by district.
Visual comparison of maps is done through custom overlays

Select the gear icon next to custom overlays

a. Select or import layers: any static image in geojson or shapefiles, such as a community of interest, locations of prison facilities, or a full district map

b. Select maps: any published map or any of your unpublished maps on DRA, which will update when the original map is updated
DRA

◆ Customize the outline, fill, labels, and landmarks
DRA

◆ Highlights

a. Enables comparison of any map
b. Enables comparison of multiple (up to 6 total) maps
c. Provides detailed analytics on maps
d. Visual comparisons of maps possible with Custom Overlays feature
Where can I find maps?

◆ Redistricting & You has all post-2010 and post-2020 maps, and will continue to add new maps as they are enacted

◆ To download:
  a. RDH and DRA have all post-2010 and post-2020 maps, and will continue to add new maps as they are enacted
  b. PlanScore has numerous maps
  c. Many states still have their redistricting websites live and store proposed and alternative maps (Ohio, for example)
  d. Contact the RDH for help tracking down a map at help@redistrictingdatahub.org
Questions?