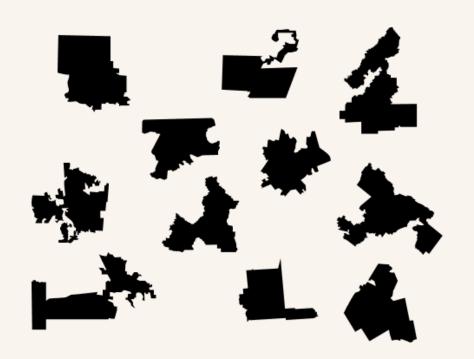
How to Easily Compare Maps

September 14, 2023 | Redistricting Data Hub (RDH)

Agenda

- Comparing maps in Redistricting & You
- Comparing maps in Dave's Redistricting App (DRA)
- 3. Where can I find maps?
- 4. Questions?

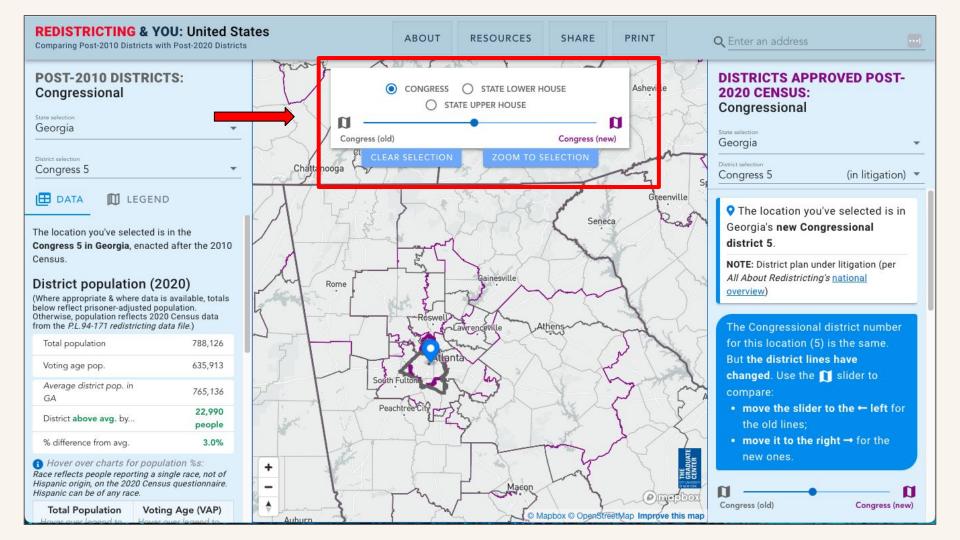


Redistricting & You

- ◆ The <u>Center for Urban Research</u> (CUR) at <u>The Graduate Center</u> of the <u>City University of New York</u> (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)

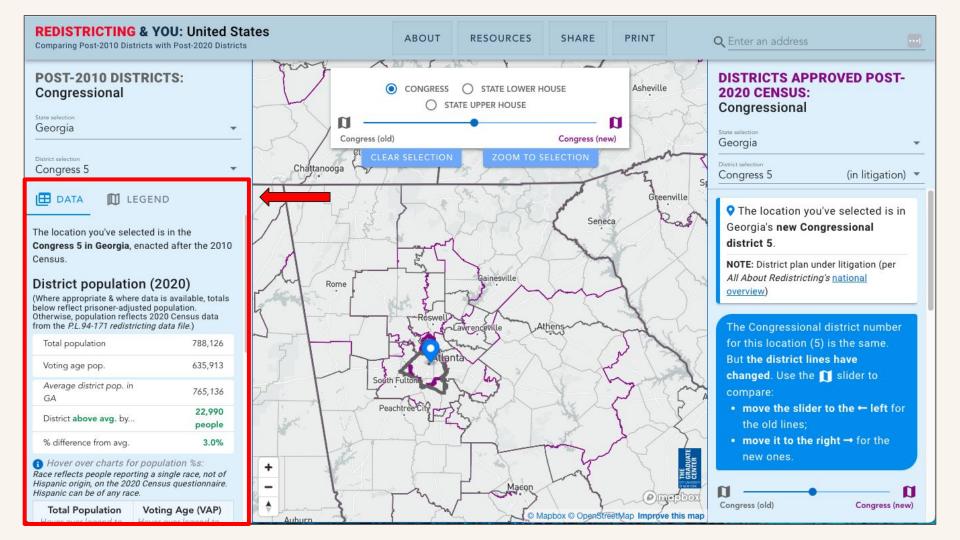
Redistricting & You (US version)

- 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



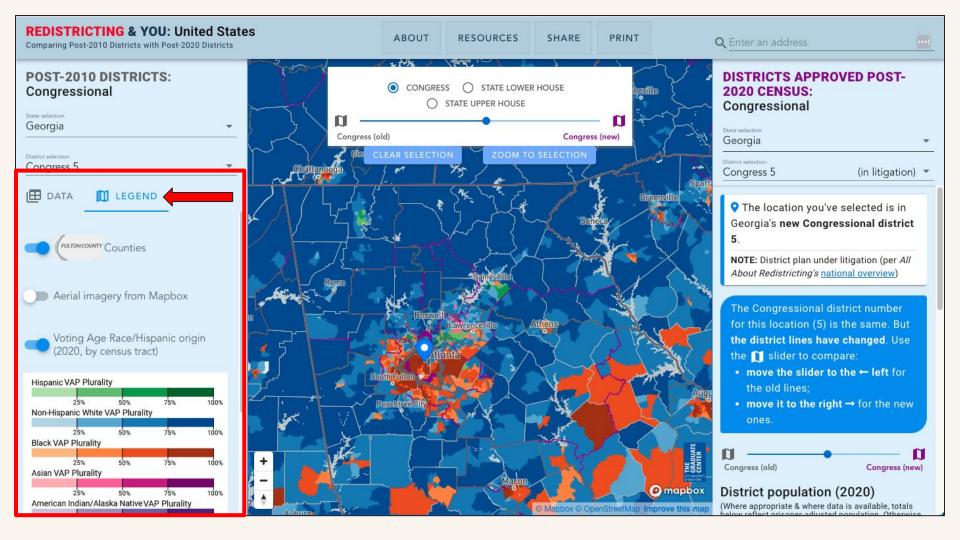
Redistricting & You (US version)

- 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



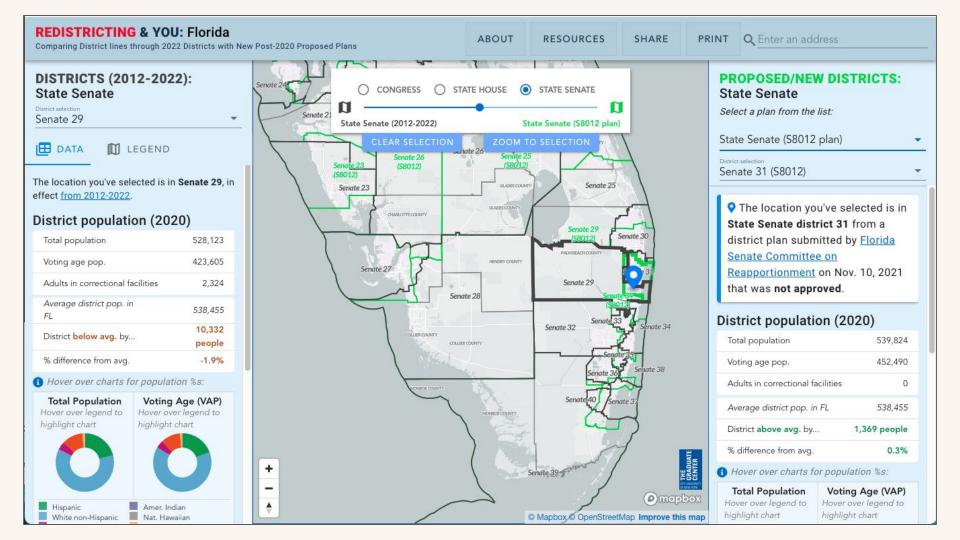
Redistricting & You (US version)

- ◆ 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://wwww.STATE.redistrictingandyou.org

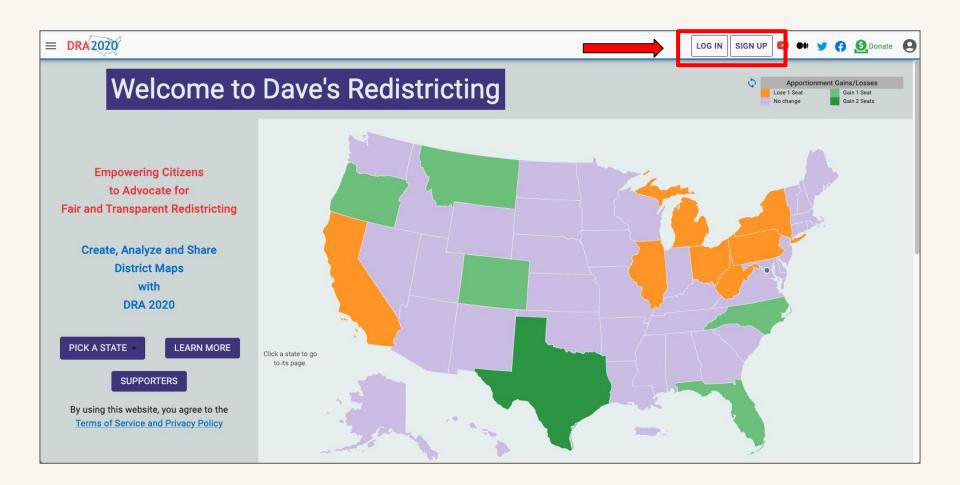


Redistricting & You

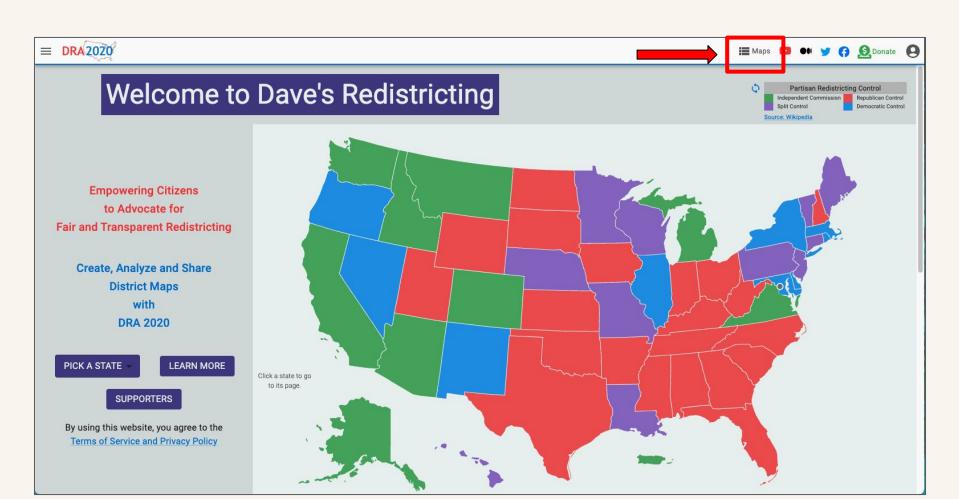
- Highlights
 - a. No account required
 - b. Easy to use, no specialized skills/knowledge required
 - c. Provides key data points for both maps
 - d. Great for visualization

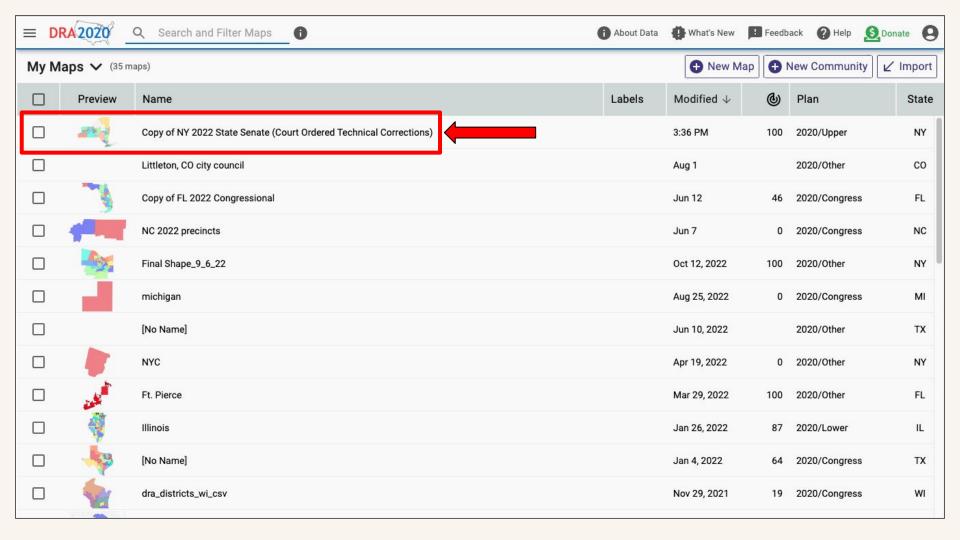
- ◆ The mission of <u>Dave's Redistricting App</u> (DRA) is to empower civic organizations and citizen activists to advocate for fair congressional and legislative districts and increased transparency in the redistricting process.
- It enables drawing of communities of interest, local, state legislative, and congressional maps.
- ◆ It also includes numerous metrics for analyzing maps, and allows you to import and export maps in several formats.

◆ Go to https://davesredistricting.org and select login or signup



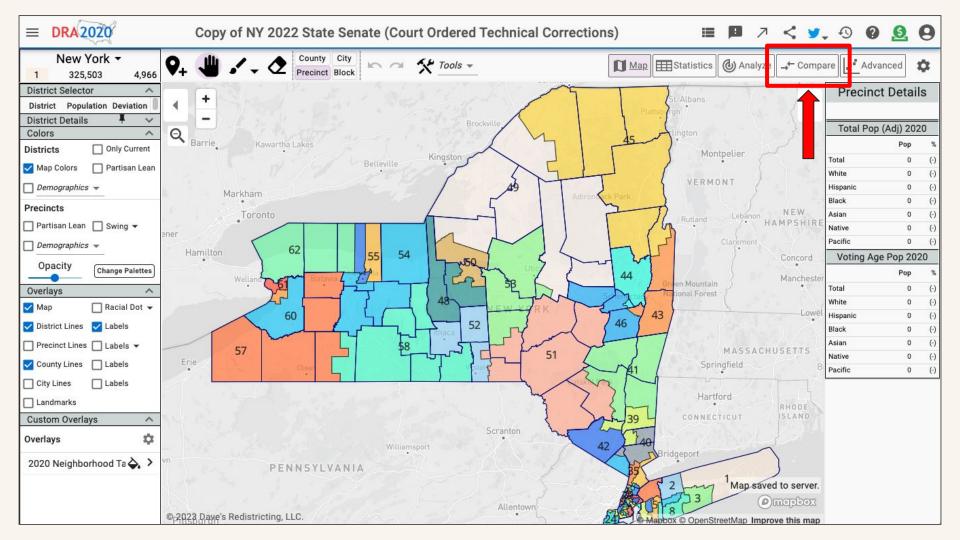
- ♦ Import or select map
 - a. Go to Maps and select from your existing list
 - b. Or, go to Maps and select import button, then upload
 - c. Or, go to Home and select state, then currently enacted or notable map





◆ 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 Ratings to Selected Maps Similar Maps



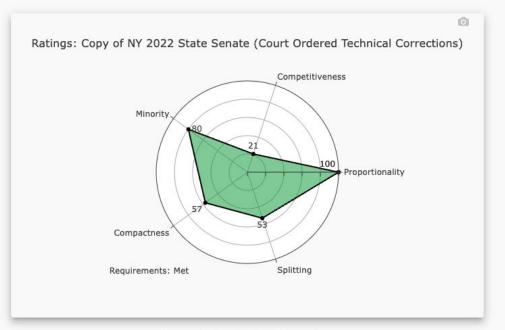
Map Statistics











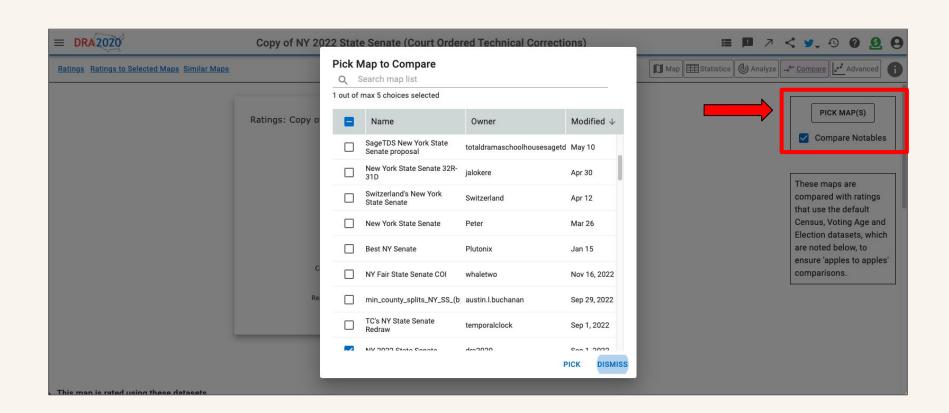
PICK MAP(S) Compare Notables

> 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

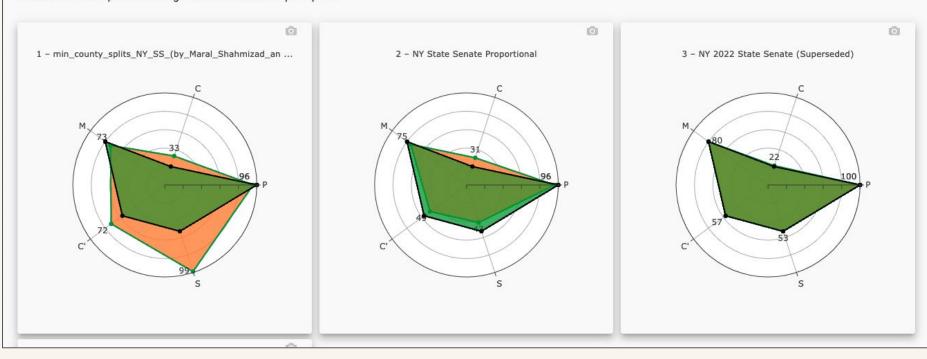
- Precinct Shapes: Census 2020
- Total Population: Census Adjusted 2020

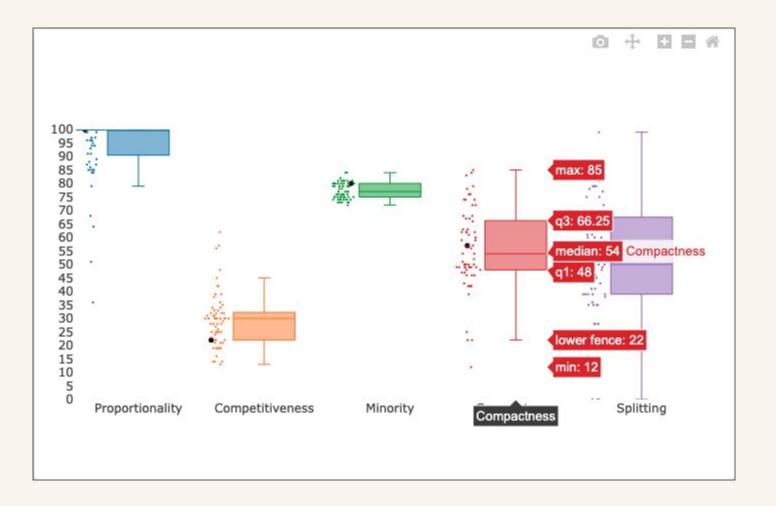


- ♦ Compares:
 - a. Competitiveness (C)
 - b. Minority representation (M)
 - c. Compactness (C')
 - d. Splitting (S)
 - e. Proportionality (P)
- ◆ All scaled 0 to 100, with 100 be the best possible score
- ◆ Learn more about <u>these analytics</u>

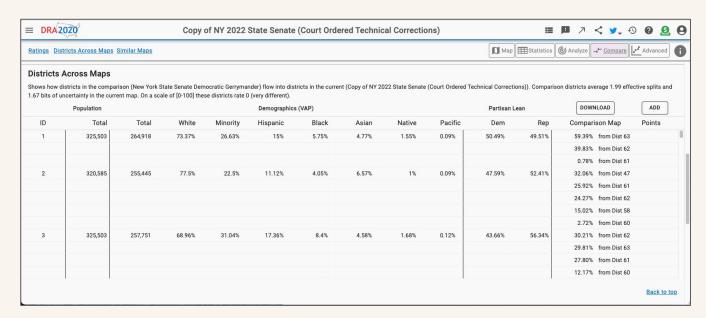
Ratings to Selected Maps

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



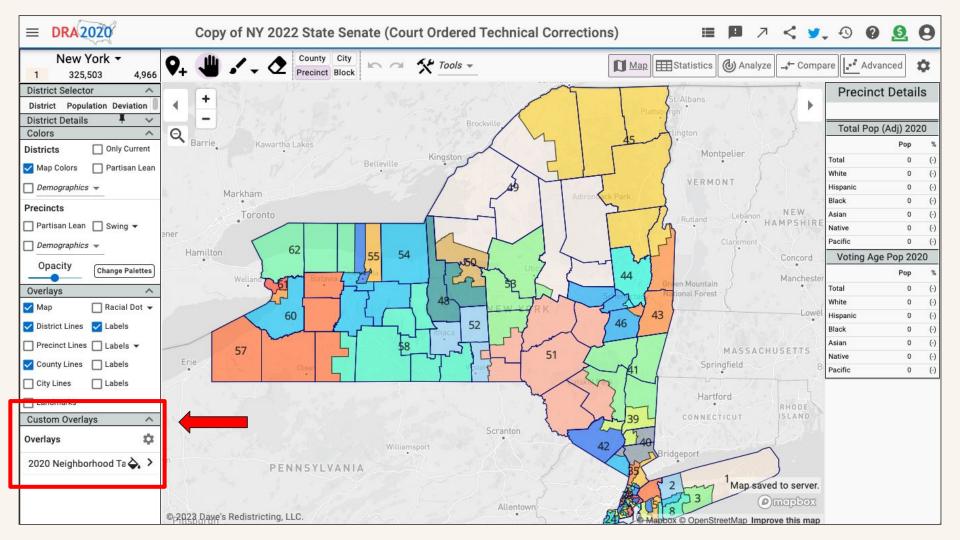


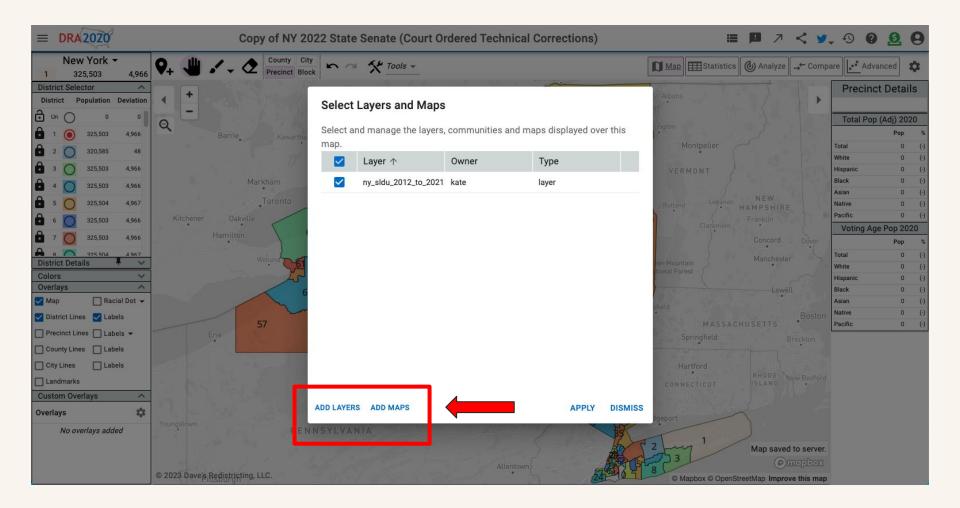
◆ If you select only one map to compare, you will also see a table comparing the population across the two maps, district by district



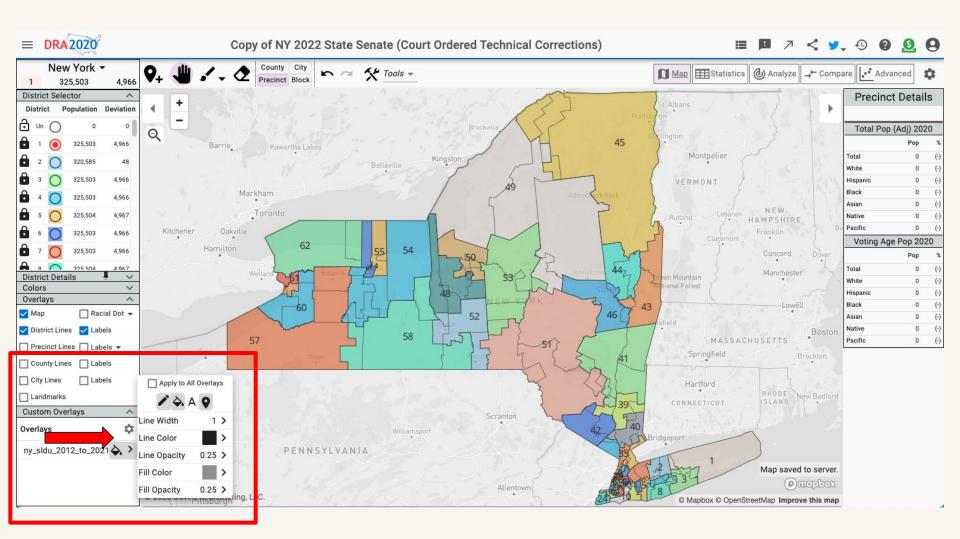
Visual comparison of maps is done through custom overlays

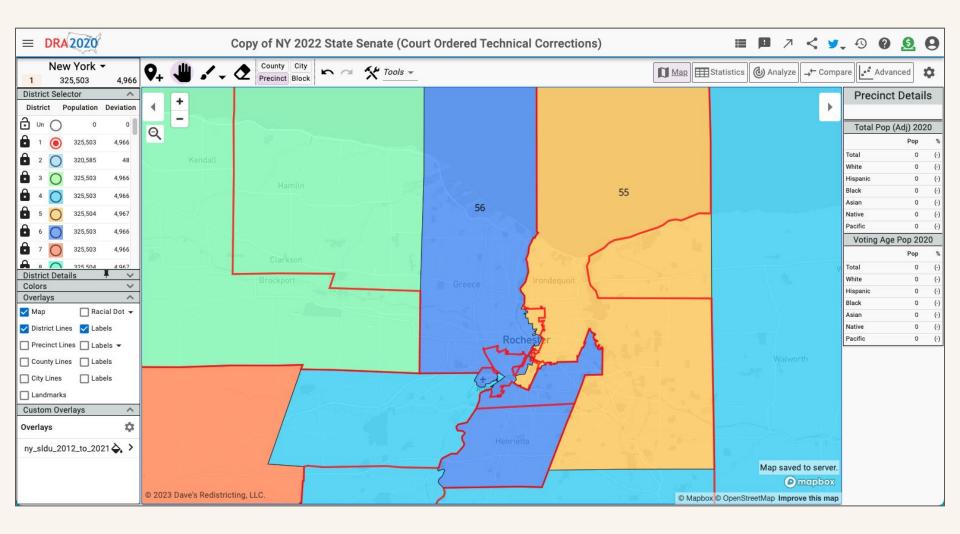
- ◆ Select the gear icon next to custom overlays
 - a. Select or import **layers**: any static image in geojson or shapefiles, such as a community of interest, locations of prison facilities, or a full district map
 - b. Select **maps**: any published map or any of your unpublished maps on DRA, which will update when the original map is updated





◆ Customize the outline, fill, labels, and landmarks





- 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?

