

# Louisiana Congressional Districts

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10.7910/DVN/SLCD3E

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Louisiana has 6 congressional districts. We've generated 5,000 sets of randomly simulated districts according to [the relevant criteria](#). Three of these plans are shown here, along with the actual enacted map.

**PLAINTIFFS'  
EXHIBIT**

**PE10**

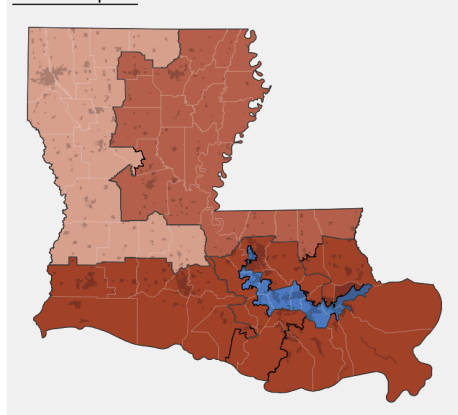
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**DEPOSITION  
EXHIBIT**

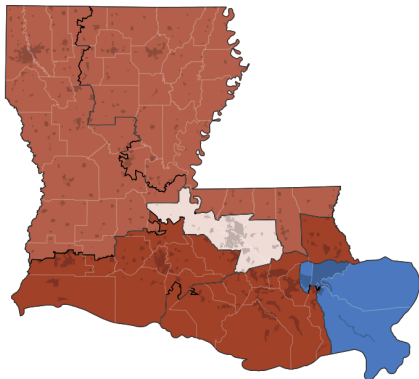
**9**

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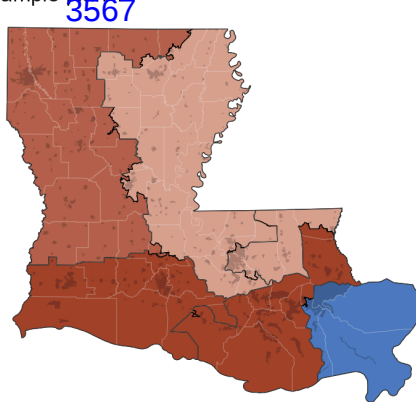
Enacted plan



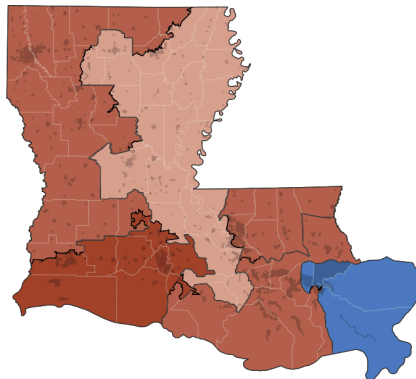
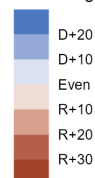
Sample plan 2



Sample plan 1

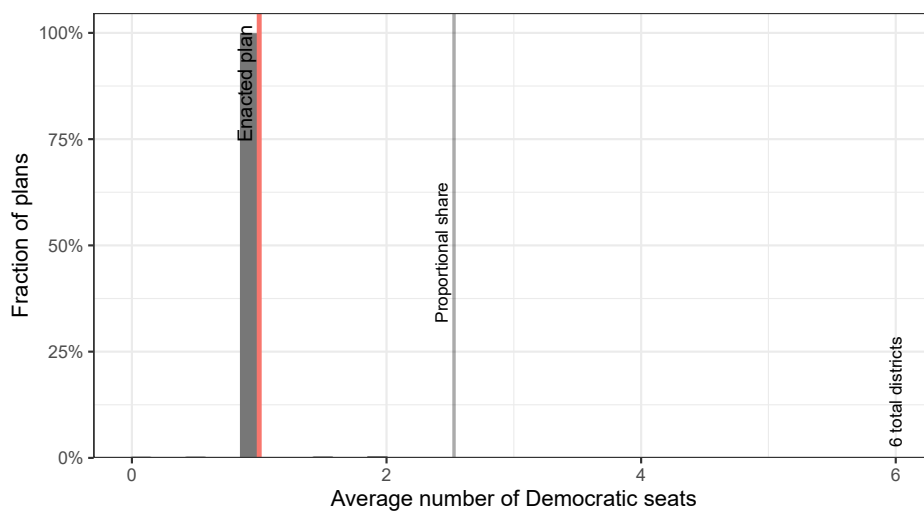


Sample plan 3

Two-party  
vote margin

## Partisan Features

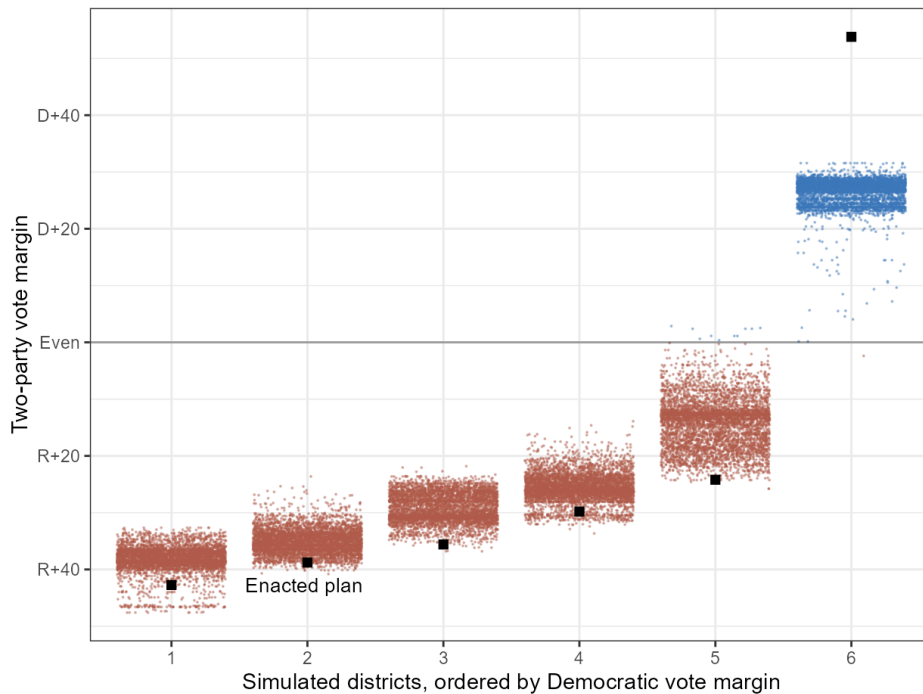
In Louisiana, Democrats win about 42% of the vote in a typical statewide election. Proportionally, that would translate to 2.5 Democratic seats out of 6 total.



[Learn more about  
this graph](#)

But proportionality isn't guaranteed, even in a fair redistricting process. In our simulated plans, Democrats won anywhere from 1.0 to 1.0 seats on average, with 1.0 being the most typical. In contrast, **we expect the enacted plan to yield 1.0 Democratic seats on average, which is more than 100% of all simulated plans.**

The graph below breaks this down in detail, showing how each district of the enacted plan compares to the set of simulated districts.

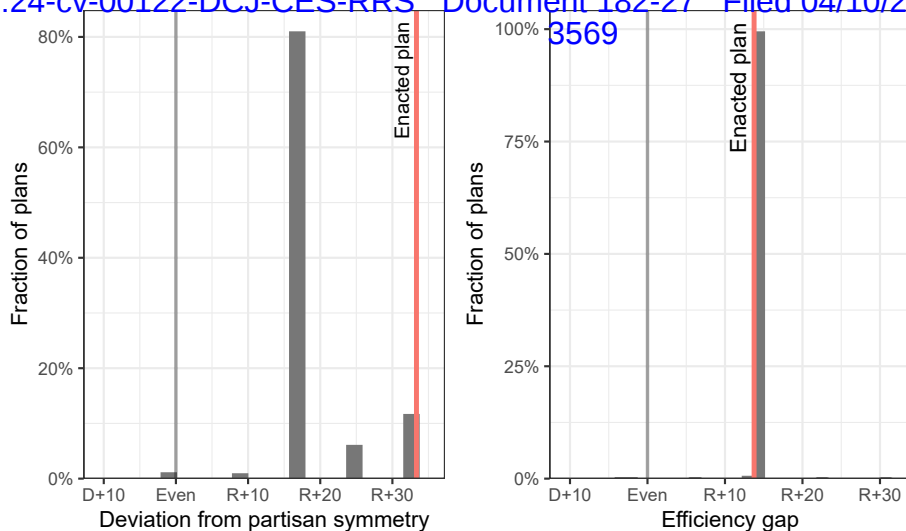


[Learn more about this graph](#)

## Gerrymandering metrics

There are other ways of measuring the partisan skew of redistricting plan. The graph below shows two these metrics. The deviation from partisan symmetry measures the expected difference in each party's share of seats if they each won 50% of the statewide vote. The efficiency gap is calculated as the difference in the number of wasted votes for each party.

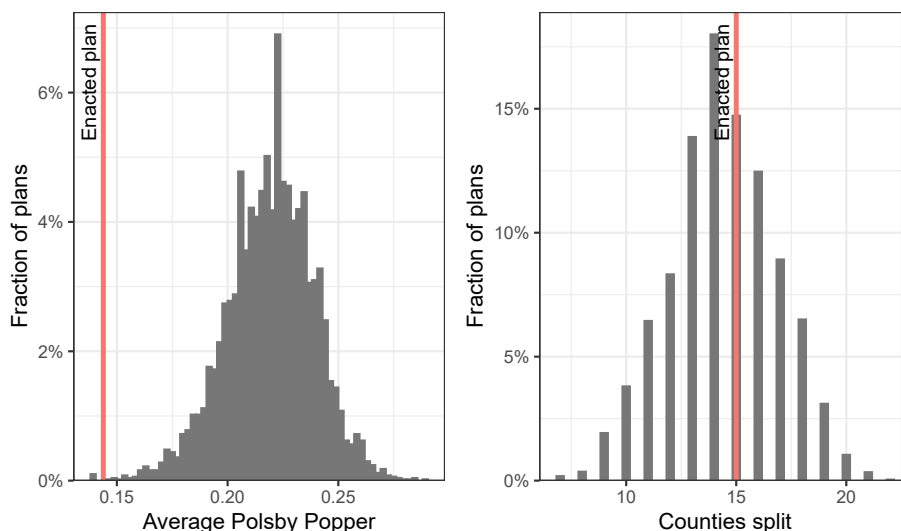
[Learn more about these metrics here.](#)



[Learn more about this graph](#)

## Traditional redistricting criteria

Factors other than partisanship are important for redistricting, too. The graph below shows the geographic compactness and the number of counties which are split into multiple districts. As far as compactness, Louisiana's enacted plan scores a 0.14, less than 100% of all simulated plans (a higher score means more compact). It splits 15 counties, compared to an average of 14 counties for our simulated plans.

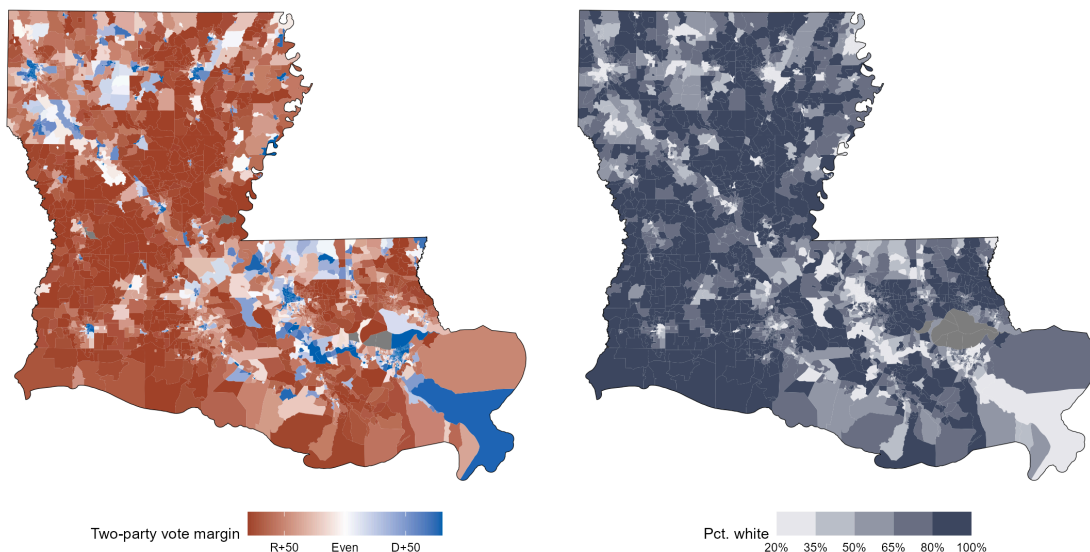


[Learn more about this graph](#)

## Political Geography

These two maps show the partisan lean across Louisiana in a

typical statewide election, and the share of minority voters around the state.



## More information

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[Download the data for Louisiana.](#)

[Learn more about our methodology.](#)

Elections included in analysis:

- President 2016
- US Senate 2016
- Secretary of State 2018
- President 2020
- US Senate 2020

## Redistricting requirements

Our algorithmic constraints used in simulations are in part are based on some of these requirements and discretionary criteria. See full documentation and code for the complete implementation details.

In Louisiana, according to Louisiana Joint Rule No. 21 districts must:

1. be contiguous
2. have equal populations
3. be geographically compact
4. preserve parish and municipality boundaries as much as possible
5. preserve the cores of traditional district alignments

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## Corrections

If you see mistakes or want to suggest changes, please [create an issue](#) on the source repository.