



# SOLUTIONS FOR REDISTRICTING

**Mathematicians, Pundits, and Citizens have ideas on how to slay the gerrymander!**

- **Set strict rules on how districts may be drawn**
- **Independent Redistricting Commissions**
- **Thomas Brunnell: Redistricting and Representation: Why Competitive Elections are Bad for America**
- **Artificial Intelligence Software**
- **Multi-Member Districts**
- **Ranked Choice Voting (RCV)**

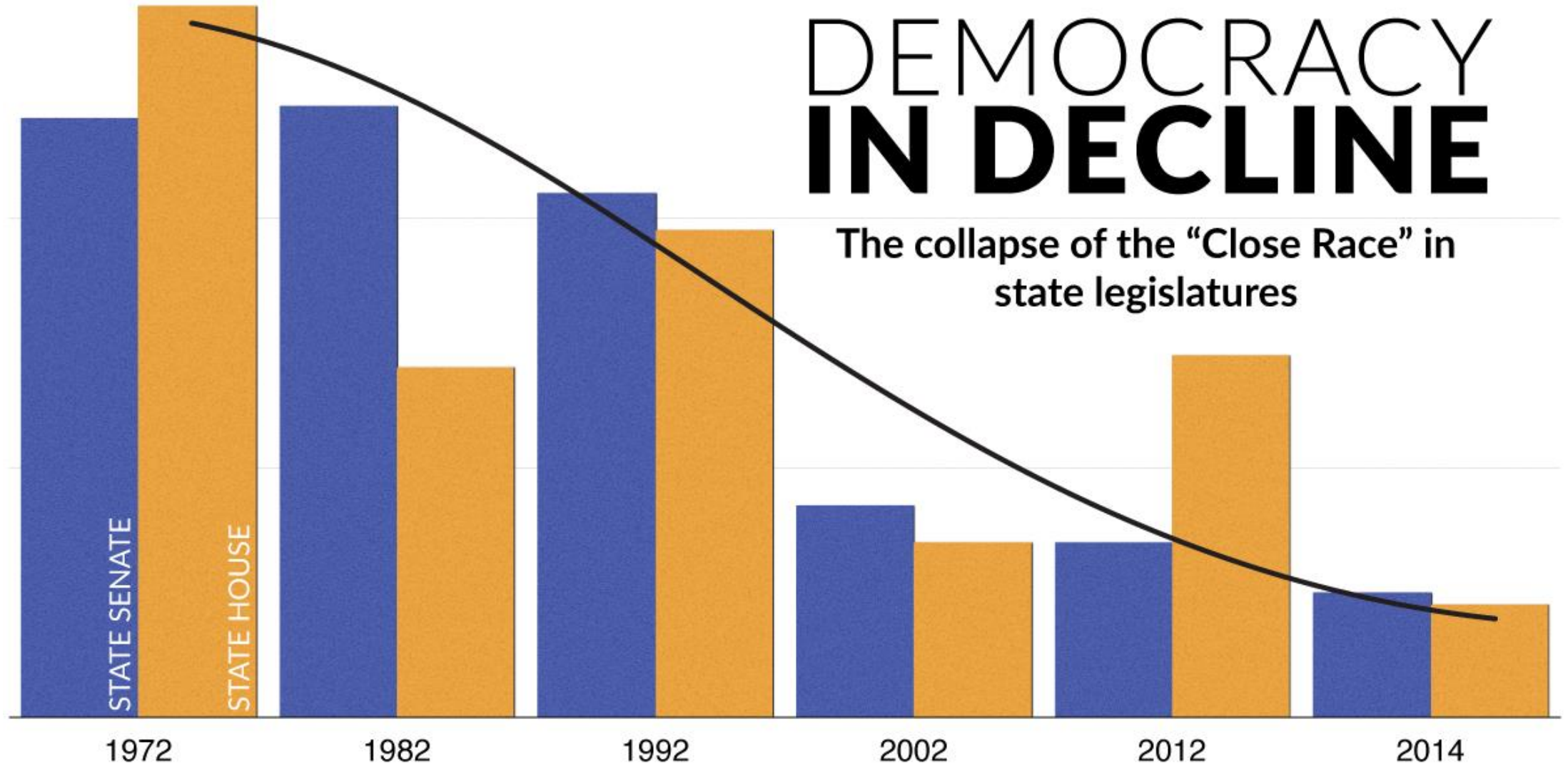


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# SOLUTIONS FOR REDISTRICTING

## DEMOCRACY IN DECLINE

The collapse of the "Close Race" in state legislatures





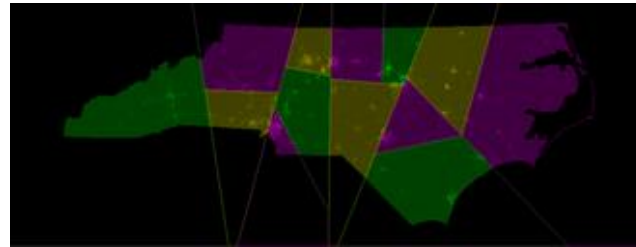
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## Artificial Intelligence Software

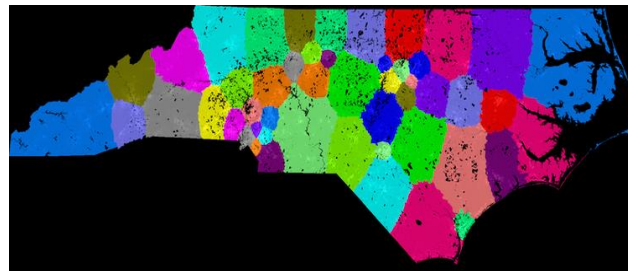
**“Unbiased redistricting isn’t necessarily fair redistricting.”**

Chris Fedor, a programmer working in San Francisco.

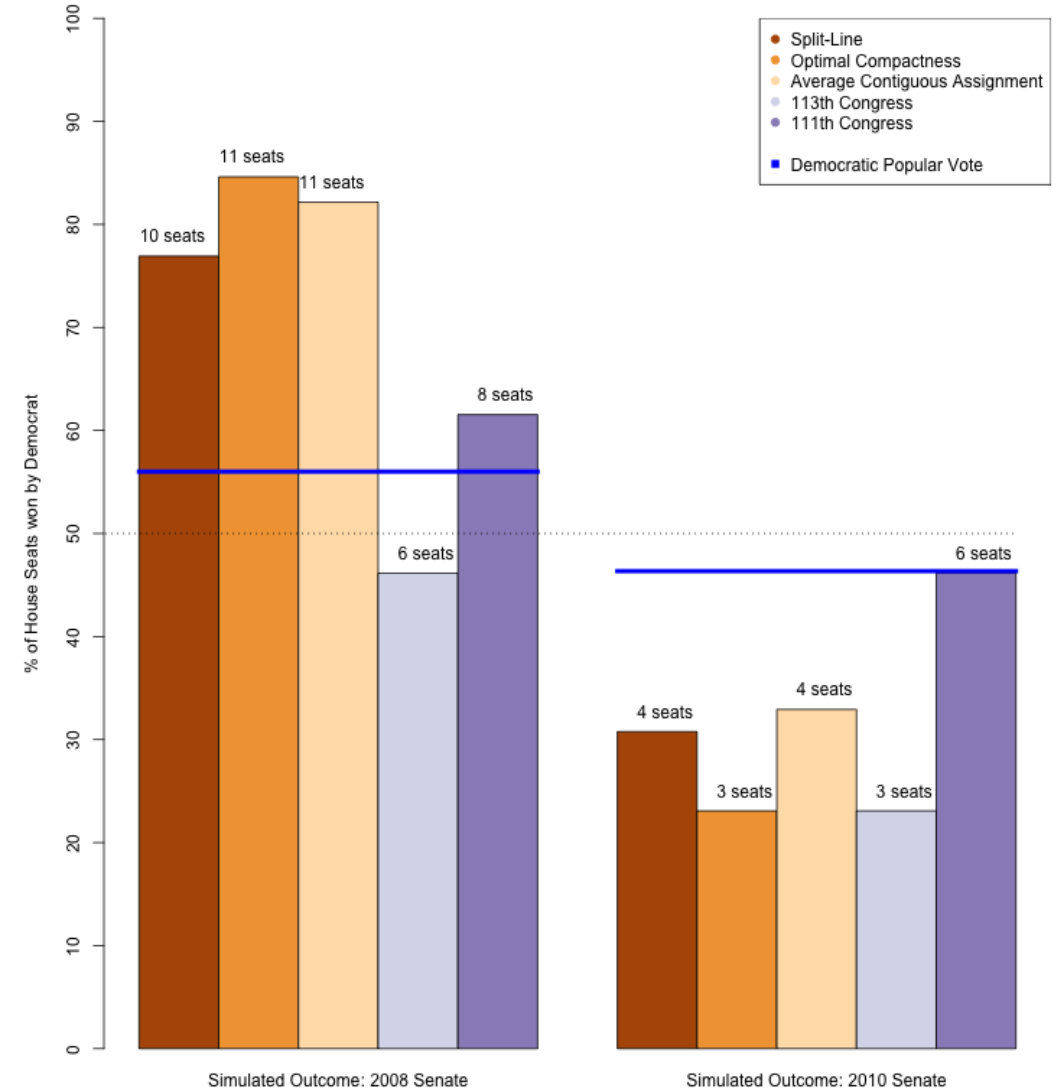
**Splitline Method**



**Optimal Compactness**



**Average Contiguous Assignment - Randomly contiguous voting blocks.**





# SOLUTIONS FOR REDISTRICTING

## Multi-Member Districts

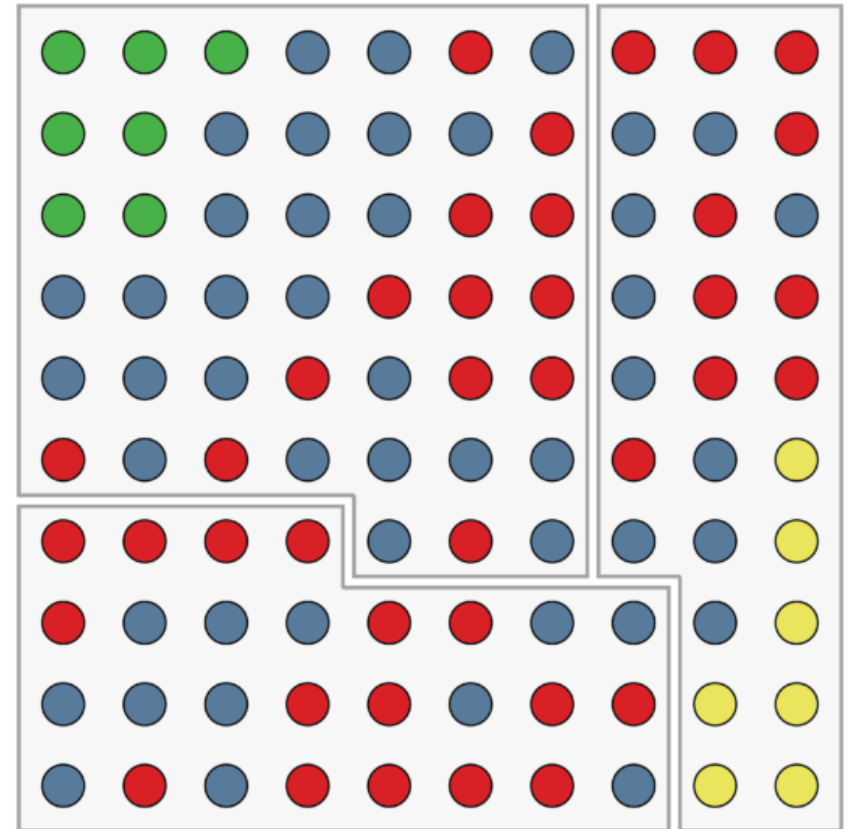
A **multi-member district** is an electoral district that has more than one representative. This is not permitted for federal districts, and most states also elect their state legislators from single-member districts. Arizona, New Jersey, South Dakota, and Washington elect all members of their lower state legislative chambers from multi-member districts.

**Comes in many flavors:**

**Bloc, Bloc with partial abstention, Cumulative, Staggered, Seat/Post**

Multi-member districts and fair voting give every voter a representative who truly represents them.

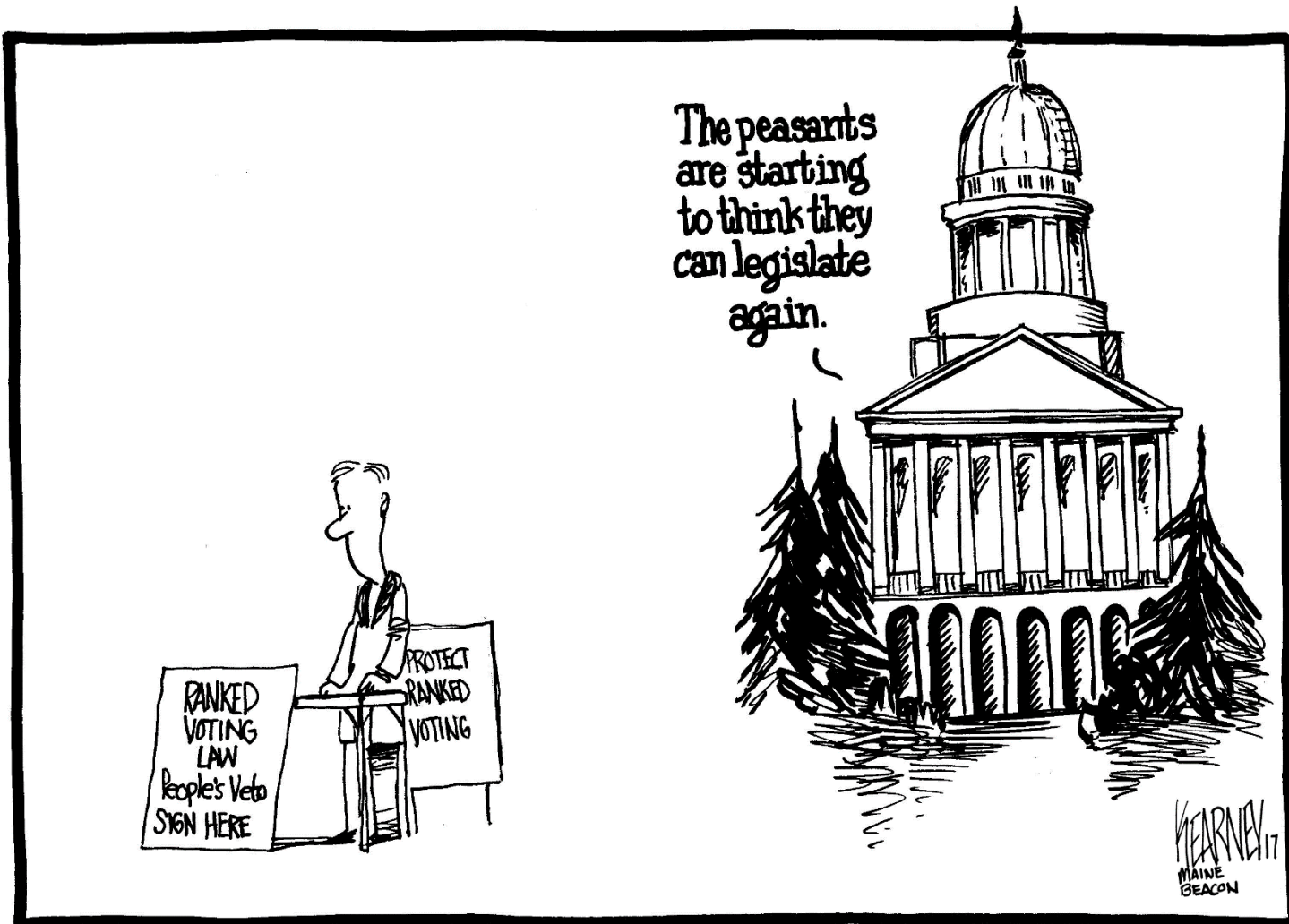
The district lines don't matter when voters have the power.





# SOLUTIONS FOR REDISTRICTING

## Ranked Choice Voting (RCV)



[H.R.3057 – Fair Representation Act](#) — [Rep. Beyer, Donald S., Jr. \[D-VA-8\]](#) (Introduced 06/26/2017): To establish the use of ranked choice voting in elections for Representatives in Congress, to require each State with more than one Representative to establish multi-member Congressional districts, to require States to conduct Congressional redistricting through independent commissions, and for other purposes.



# SOLUTIONS FOR REDISTRICTING

## Ranked Choice Voting (RCV)

### For MAYOR

- Rank candidates in order of choice.
- Fill in the (1) next to your 1st choice. Fill in the (2) next to your 2nd choice, and so on.
- Do not fill in more than 1 oval per candidate. Do not fill in more than 1 oval per column.
- Ranking a 2nd, 3rd, etc. choice candidate will not hurt your 1st choice candidate.
- To vote for a person who is not listed, write-in their name in the space provided, then fill the oval.

### Rank Candidates In Order of Choice

*No more than one oval per candidate.*

*No more than one oval per column.*

		1st Choice	2nd Choice	3rd Choice	4th Choice	5th Choice
Danielle Alvarez	(Housewarming Party)	(1)	(2)	(3)	(4)	(5)
Tony Samuels	(Block Party)	(1)	(2)	(3)	(4)	(5)
Jennifer Lee	(Dinner Party)	(1)	(2)	(3)	(4)	(5)
Sean Johnson	(Graduation Party)	(1)	(2)	(3)	(4)	(5)
	Write-in	(1)	(2)	(3)	(4)	(5)

IMAGE COURTESY FAIRVOTE



# SOLUTIONS FOR REDISTRICTING

## Multi-member Ranked Choice Voting (RCV)

### PROS

- No more choosing lessor of 2 evils
- Avoiding the “spoiler” impact of 3<sup>rd</sup> party candidates
- Winning candidates have broader support
- More civil elections
- Run-offs become unnecessary
- Ensures every vote counts
- Erodes any benefit of gerrymandering districts

### CONS

- Creates very large districts  
House of Rep Districts already 800K.
- Dilutes Communities of Interest
- Confusing/Complicated
- Lacking systems to count the votes
- Requires voters to heavily research a broad spectrum of candidates.



**What is the best solution to ensure fair elections? Is there one?**

