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)
SOLUTIONS FOR REDISTRICTING

DEMOCRACY IN DECLINE

The collapse of the “Close Race” in state legislatures
“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.

https://priceonomics.com/algorithm-the-unfairness-of-gerrymandering/
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
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.

<table>
<thead>
<tr>
<th>Candidates</th>
<th>(Party)</th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
<th>5th</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danielle Alvarez</td>
<td>Housewarming</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Tony Samuels</td>
<td>Block Party</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Jennifer Lee</td>
<td>Dinner Party</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Sean Johnson</td>
<td>Graduation Party</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

Write-in

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 3rd 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?