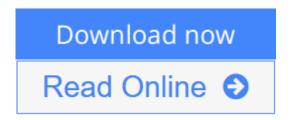


Gaming the Vote: Why Elections Aren't Fair (and What We Can Do About It)

By William Poundstone



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At least five U.S. presidential elections have been won by the second most popular candidate, but these results were not inevitable. In fact, such an unfair outcome need never happen again, and as William Poundstone shows in *Gaming the Vote*, the solution is lurking right under our noses.

In all five cases, the vote was upset by a "spoiler"?a minor candidate who took enough votes away from the most popular candidate to tip the election to someone else. The spoiler effect is more than a glitch. It is a consequence of one of the most surprising intellectual discoveries of the twentieth century: the "impossibility theorem" of the Nobel laureate economist Kenneth Arrow. His theorem asserts that voting is fundamentally unfair?a finding that has not been lost on today's political consultants. Armed with polls, focus groups, and smear campaigns, political strategists are exploiting the mathematical faults of the simple majority vote. The answer to the spoiler problem lies in a system called range voting, which would satisfy both right and left, and *Gaming the Vote* assesses the obstacles confronting any attempt to change the U.S. electoral system.

The latest of several books by Poundstone on the theme of how important scientific ideas have affected the real world, *Gaming the Vote* is both a wry exposé of how the political system really works and a call to action.



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Editorial Review

From Publishers Weekly

Behind the standard one man-one vote formula lies a labyrinth of bizarre dysfunction, according to this engaging study of the science of voting. America's system is the least sensible way to vote, argues Poundstone (*Fortune's Formula*), prone to vote-splitting fiascoes like the 2000 election. Unfortunately, according to the author, a famous impossibility theorem states that no voting procedure can accurately gauge the will of the people without failures and paradoxes. (More optimistically, Poundstone contends that important problems are solved by range voting, in which voters score each candidate independently on a 1–10 scale.) Poundstone provides a lucid survey of electoral systems and their eccentric proponents (Charles Dodgson, aka Lewis Carroll, loved voting novelties), studded with colorful stories of election skullduggery by campaign consultants, whom he likens to terrorists... exploiting the mathematical vulnerabilities of voting itself. His lively, accessible mix of high theory and low politics merits a thumbs-up. Illus. (*Feb.*) Copyright © Reed Business Information, a division of Reed Elsevier Inc. All rights reserved.

Review

- "Mr. Poundstone is a clear, entertaining explicator of election science. He easily bridges the gaps between theoretical and popular thinking, between passionate political debate and cool mathematical certainty." *?The New York Times*
- "A handy compendium of alternatives to plurality voting. ... Poundstone gives math a leading place in politics." ?Salon.com
- "Gaming the Vote entertainingly probes the combative history of voting over the past few centuries." ?Mother Jones
- "Poundstone's book raises a big question: how mad do the rest of us have to get before we change a system that just isn't working?" *?Newsweek*
- "Poundstone has a lively style and a penchant for anecdote that make his more difficult passages of analysis accessible and at times even dramatic." *?The Wall Street Journal*
- "Poundstone 'writes not with a partisan's bile but with a technician's delight in explaining all the ways our democracy can give us what we don't want." *?The Seattle Times*
- "Poundstone always writes with the premise that thinking can be entertaining. His latest book, *Gaming the Vote*, clearly reasoned, well-researched, and often amusing, deals with the crucially important question: How best does a government 'by the people' decide what to do? He does not find a definitive answer, but he shows why it is so difficult and prepares the citizen to face the question responsibly." *?Rush Holt, U.S. House of Representatives (NJ-12)*
- "In 1948 economist Kenneth Arrow dropped a bombshell on political scientists. He proved that no voting system can be perfect. Poundstone's eleventh book is a superb attempt to demystify Arrow's amazing achievement, and to defend 'range voting' as the best voting system yet devised. His account is interwoven with a colorful history of American elections, from the corrupt politics of Louisiana to Ralph Nader as the 'spoiler' whose splitting of the Democratic votes helped elect George W. Bush. A chapter covers Lewis

Carroll's little-known valiant efforts to solve the voting problem. A raft of amusing political cartoons enliven Poundstone's prose. There is no better introduction to the inescapable flaws and paradoxes of all voting systems than this eye-opening, timely volume." *Martin Gardner, author of Are Universes Thicker than Blackberries? and more than 60 other titles*

"Gaming the Vote is a witty, irreverent tour d'horizon of voting theories, voting theorists, and their quarrels. Unlike many academic brouhahas, the stakes here are high. Both citizens and politicians will delight in the tales Poundstone tells, but it won't always be easy to tell who's right. Nevertheless, Poundstone cuts through a lot of the obfuscation and takes sides, which won't please everybody." ?Steven J. Brams, Department of Politics, New York University, and author of Mathematics and Democracy: Designing Better Voting and Fair-Division Procedures

"Gaming the Vote is a must-read for anyone interested in the process and outcomes of voting. Poundstone gives a clear and remarkably accurate account of the rich theoretical literature. At the same time, his examples of voting anomalies in real elections are both lively and revealing." ?Kenneth J. Arrow, professor of economics (emeritus) at Stanford University and winner of the 1972 Nobel Prize in Economic Science

"In this masterful presentation William Poundstone sketches the history of voting systems, elucidates ideas such as Borda counts, Condorcet winners, and range voting, and shows how changing our system could make it less likely to yield paradoxical and unfair results. Ranging easily over material as disparate as Arrow's impossibility theorem and recent presidential elections, he makes it clear just how unclear is the question, "Who won?" The book has my vote." ?John Allen Paulos, author of Innumeracy: Mathematical Illiteracy and Its Consequences and the forthcoming Irreligion: A Mathematician Explains Why the Arguments for Religion Just Don't Add Up

About the Author

William Poundstone is the author of ten books, including *Fortune's Formula: The Untold Story of the Scientific Betting System That Beat the Casinos and Wall Street* (H&W, 2005).

Users Review

From reader reviews:

Albert Parks:

Spent a free time to be fun activity to try and do! A lot of people spent their spare time with their family, or their own friends. Usually they accomplishing activity like watching television, about to beach, or picnic inside park. They actually doing same every week. Do you feel it? Do you wish to something different to fill your free time/ holiday? Might be reading a book may be option to fill your cost-free time/ holiday. The first thing you ask may be what kinds of guide that you should read. If you want to test look for book, may be the reserve untitled Gaming the Vote: Why Elections Aren't Fair (and What We Can Do About It) can be fine book to read. May be it may be best activity to you.

Jon Estrada:

The actual book Gaming the Vote: Why Elections Aren't Fair (and What We Can Do About It) has a lot of information on it. So when you make sure to read this book you can get a lot of advantage. The book was compiled by the very famous author. Tom makes some research ahead of write this book. This particular

book very easy to read you will get the point easily after reading this article book.

James Henderson:

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