

Misleading Statistics In News

Misleading Statistics in News: How to Spot and Avoid Being Deceived

Introduction:

We're bombarded daily with news, often filled with statistics intended to persuade, inform, or even alarm us. But how often do we critically examine the numbers presented? The truth is, misleading statistics in news are surprisingly common, and understanding how they're used is crucial for navigating the modern information landscape. This comprehensive guide will equip you with the tools to identify deceptive statistical practices, understand the underlying biases, and ultimately become a more informed and critical news consumer. We'll delve into common manipulative techniques, explore real-world examples, and provide actionable steps to protect yourself from statistical misinformation.

1. The Power of Numbers: Why Statistics Are So Easily Manipulated

Statistics, at their core, are powerful tools for summarizing complex data. However, their very power makes them susceptible to manipulation. Numbers, unlike narratives, can appear objective and authoritative. A carefully crafted statistic can sway public opinion far more effectively than a lengthy explanation, making them a favorite weapon in the arsenal of those seeking to influence us. This is why understanding how statistics can be twisted is so crucial.

2. Common Techniques Used to Mislead with Statistics

Several tactics are frequently employed to present misleading statistics in news. Let's examine some of the most prevalent:

Cherry-Picking Data: This involves selecting only the data points that support a pre-determined conclusion, while ignoring contradictory evidence. For example, highlighting a single year of economic growth while ignoring several years of decline paints a vastly incomplete picture.

Misleading Graphs and Charts: Visual representations of data are incredibly powerful. However, manipulating the scale of axes, using misleading labels, or choosing inappropriate chart types can drastically distort the reality of the data. A truncated y-axis, for instance, can exaggerate small differences, creating a false impression of significant change.

Confusing Correlation with Causation: Just because two things happen together doesn't mean one causes the other. This common fallacy is often exploited to link unrelated events and create a false sense of causality. For example, a correlation between ice cream sales and crime rates doesn't imply that eating ice cream causes crime.

Biased Sampling: The way a sample is selected significantly impacts the reliability of the results. A biased sample, one that doesn't accurately represent the population it aims to describe, will produce

misleading conclusions. For instance, surveying only university students about national political opinions won't reflect the views of the entire population.

Ignoring Context: Statistics rarely speak for themselves. Providing incomplete or misleading context can dramatically alter the interpretation of a number. A statistic showing a rise in unemployment, without mentioning economic recession or government policies, can create a skewed understanding.

Using Absolute Numbers Instead of Percentages or Rates: Presenting raw numbers without considering the size of the population can be extremely deceptive. For example, stating that 100 people died in a particular accident is alarming, but without knowing the total population affected or the context (e.g., a large-scale disaster), the statistic is incomplete and potentially misleading.

Suppressed Base Rates: Failure to mention the overall probability of an event can make a small risk appear much larger. For instance, reporting a sharp increase in a rare disease without noting its overall low base rate can cause unnecessary fear and panic.

3. Real-World Examples of Misleading Statistics in the News

Numerous examples of misleading statistics permeate the news. Consider headlines suggesting a dramatic increase in crime rates without specifying the type of crime or comparing it to previous years' figures. Another common example is using emotionally charged language with statistics about health risks, exaggerating the severity of a problem without providing context or a balanced perspective. Analyzing news stories critically, considering the source's potential biases, and looking for corroborating evidence is crucial to avoid being misled.

4. How to Become a Savvy Consumer of Statistical Information

Becoming a critical consumer of news requires a proactive approach:

Question the Source: Consider the reputation and potential biases of the news outlet or organization reporting the statistic.

Look for the Underlying Data: Try to find the raw data that supports the claims. Reputable sources often provide access to their data.

Analyze the Methodology: Understand how the data was collected and analyzed. Look for potential biases in the sampling methods or analysis techniques.

Consider Alternative Explanations: Don't accept a single explanation without considering other possibilities.

Seek Corroboration: Verify the information from multiple independent sources.

Beware of Sensationalism: Be wary of headlines and articles designed to evoke strong emotional responses, as they may prioritize grabbing attention over accuracy.

5. The Importance of Media Literacy in the Age of Misinformation

In today's digitally saturated world, media literacy is more crucial than ever. Understanding how misleading statistics in news are used is a significant component of this literacy. Developing critical thinking skills, recognizing common manipulative techniques, and actively verifying information are essential steps in becoming a responsible and informed citizen.

Article Outline:

Title: Deconstructing Misleading Statistics in News: A Critical Guide

Introduction: Hooking the reader and outlining the article's purpose.

Chapter 1: The Power and Peril of Numbers – explaining why statistics are so easily manipulated.

Chapter 2: Common Techniques of Deception – detailed explanation of manipulative techniques (cherry-picking, misleading graphs, etc.).

Chapter 3: Real-World Examples – showcasing specific instances of misleading statistics in the news.

Chapter 4: Becoming a Savvy Consumer – providing practical steps to identify and avoid deception.

Chapter 5: The Importance of Media Literacy – emphasizing the need for critical thinking and verification.

Conclusion: Summarizing key takeaways and emphasizing the importance of media literacy in the fight against misinformation.

(The detailed explanation of each chapter is provided above in the main article body.)

FAQs:

1. What is the most common way statistics are misused in the news? Cherry-picking data and ignoring contradictory evidence is a prevalent method.

2. How can I tell if a graph is misleading? Look for manipulated axes, unclear labels, and inappropriate chart types.

3. Why is it important to understand sampling methods? Biased sampling leads to unreliable and misleading results.

4. How can I find the original data behind a news statistic? Many reputable news sources provide links to data sources; contact the news outlet directly if you can't find it.

5. What is the difference between correlation and causation? Correlation indicates a relationship between two variables, while causation implies that one variable directly causes a change in the other.

6. How can context affect the interpretation of statistics? Incomplete or misleading context can drastically alter the meaning of a statistic.

7. What role does emotional language play in misleading statistics? Emotional language can overshadow critical analysis and distort the interpretation of numerical data.

8. How can I improve my media literacy skills? Practice critical thinking, seek multiple sources, and verify information independently.

9. What resources are available to help me evaluate the credibility of news sources? Fact-checking websites, media bias charts, and journalistic ethics guides can assist in evaluating credibility.

Related Articles:

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2. Data Visualization Best Practices: Provides guidelines for creating clear and accurate visualizations of data to avoid misleading representations.
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5. How to Spot Fake News: Provides practical strategies to identify and avoid false or misleading news articles.
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7. The Impact of Misinformation on Public Health: Examines the consequences of misinformation on public health decision-making.
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misleading statistics in news: *The Norm Chronicles* David Spiegelhalter, Michael Blastland, 2013-05-30 Meet Norm. He's 31, 5'9, just over 13 stone, and works a 39 hour week. He likes a drink, doesn't do enough exercise and occasionally treats himself to a bar of chocolate (milk). He's a pretty average kind of guy. In fact, he is the average guy in this clever and unusual take on statistical risk, chance, and how these two factors affect our everyday choices. Watch as Norm (who, like all average specimens, feels himself to be uniquely special), and his friends careful Prudence and reckless Kelvin, turns to statistics to help him in life's endless series of choices - should I fly or take the train? Have a baby? Another drink? Or another sausage? Do a charity skydive or get a lift on a

motorbike? Because chance and risk aren't just about numbers - it's about what we believe, who we trust and how we feel about the world around us. From a world expert in risk and the bestselling author of *The Tiger That Isn't* (and creator of BBC Radio 4's *More or Less*), this is a commonsense (and wildly entertaining) guide to personal risk and decoding the statistics that represent it.

misleading statistics in news: *Animals and Medicine* Jack Botting, 2015-05-04 *Animals and Medicine: The Contribution of Animal Experiments to the Control of Disease* offers a detailed, scholarly historical review of the critical role animal experiments have played in advancing medical knowledge. Laboratory animals have been essential to this progress, and the knowledge gained has saved countless lives—both human and animal. Unfortunately, those opposed to using animals in research have often employed doctored evidence to suggest that the practice has impeded medical progress. This volume presents the articles Jack Botting wrote for the *Research Defence Society News* from 1991 to 1996, papers which provided scientists with the information needed to rebut such claims. Collected, they can now reach a wider readership interested in understanding the part of animal experiments in the history of medicine—from the discovery of key vaccines to the advancement of research on a range of diseases, among them hypertension, kidney failure and cancer. This book is essential reading for anyone curious about the role of animal experimentation in the history of science from the nineteenth century to the present.

misleading statistics in news: Proofiness Charles Seife, 2010-09-23 The bestselling author of *Zero* shows how mathematical misinformation pervades-and shapes-our daily lives. According to MSNBC, having a child makes you stupid. You actually lose IQ points. Good Morning America has announced that natural blondes will be extinct within two hundred years. Pundits estimated that there were more than a million demonstrators at a tea party rally in Washington, D.C., even though roughly sixty thousand were there. Numbers have peculiar powers-they can disarm skeptics, befuddle journalists, and hoodwink the public into believing almost anything. Proofiness, as Charles Seife explains in this eye-opening book, is the art of using pure mathematics for impure ends, and he reminds readers that bad mathematics has a dark side. It is used to bring down beloved government officials and to appoint undeserving ones (both Democratic and Republican), to convict the innocent and acquit the guilty, to ruin our economy, and to fix the outcomes of future elections. This penetrating look at the intersection of math and society will appeal to readers of *Freakonomics* and the books of Malcolm Gladwell.

misleading statistics in news: *How to Read Numbers* Tom Chivers, David Chivers, 2022-03-31

misleading statistics in news: The Psychology of Fake News Rainer Greifeneder, Mariela Jaffe, Eryn Newman, Norbert Schwarz, 2020-08-13 This volume examines the phenomenon of fake news by bringing together leading experts from different fields within psychology and related areas, and explores what has become a prominent feature of public discourse since the first Brexit referendum and the 2016 US election campaign. Dealing with misinformation is important in many areas of daily life, including politics, the marketplace, health communication, journalism, education, and science. In a general climate where facts and misinformation blur, and are intentionally blurred, this book asks what determines whether people accept and share (mis)information, and what can be done to counter misinformation? All three of these aspects need to be understood in the context of online social networks, which have fundamentally changed the way information is produced, consumed, and transmitted. The contributions within this volume summarize the most up-to-date empirical findings, theories, and applications and discuss cutting-edge ideas and future directions of interventions to counter fake news. Also providing guidance on how to handle misinformation in an age of “alternative facts”, this is a fascinating and vital reading for students and academics in psychology, communication, and political science and for professionals including policy makers and journalists.

misleading statistics in news: Statistics Done Wrong Alex Reinhart, 2015-03-01 Scientific progress depends on good research, and good research needs good statistics. But statistical analysis is tricky to get right, even for the best and brightest of us. You'd be surprised how many scientists are doing it wrong. *Statistics Done Wrong* is a pithy, essential guide to statistical blunders in modern

science that will show you how to keep your research blunder-free. You'll examine embarrassing errors and omissions in recent research, learn about the misconceptions and scientific politics that allow these mistakes to happen, and begin your quest to reform the way you and your peers do statistics. You'll find advice on: -Asking the right question, designing the right experiment, choosing the right statistical analysis, and sticking to the plan -How to think about p values, significance, insignificance, confidence intervals, and regression -Choosing the right sample size and avoiding false positives -Reporting your analysis and publishing your data and source code -Procedures to follow, precautions to take, and analytical software that can help Scientists: Read this concise, powerful guide to help you produce statistically sound research. Statisticians: Give this book to everyone you know. The first step toward statistics done right is *Statistics Done Wrong*.

misleading statistics in news: Critical Statistics Robert de Vries, 2018-09-26 Awarded the 2019 Most Promising New Textbook Award by the Textbook & Academic Authors Association. This accessible and entertaining new textbook provides students with the knowledge and skills they need to understand the barrage of numbers encountered in their everyday lives and studies. Almost all the statistics in the news, on social media or in scientific reports are based on just a few core concepts, including measurement (ensuring we count the right thing), causation (determining whether one thing causes another) and sampling (using just a few people to understand a whole population). By explaining these concepts in plain language, without complex mathematics, this book prepares students to meet the statistical world head on and to begin their own quantitative research projects. Ideal for students facing statistical research for the first time, or for anyone interested in understanding more about the numbers in the news, this textbook helps students to see beyond the headlines and behind the numbers.

misleading statistics in news: The Tiger That Isn't Andrew Dilnot, Michael Blastland, 2010-07-09 Mathematics scares and depresses most of us, but politicians, journalists and everyone in power use numbers all the time to bamboozle us. Most maths is really simple - as easy as $2+2$ in fact. Better still it can be understood without any jargon, any formulas - and in fact not even many numbers. Most of it is commonsense, and by using a few really simple principles one can quickly see when maths, statistics and numbers are being abused to play tricks - or create policies - which can waste millions of pounds. It is liberating to understand when numbers are telling the truth or being used to lie, whether it is health scares, the costs of government policies, the supposed risks of certain activities or the real burden of taxes.

misleading statistics in news: Stat-Spotting Joel Best, 2013-09-14 This edition updates benchmarks, includes a new chapter on rhetoric, updated a few examples, and thoroughly updated the bibliography.

misleading statistics in news: The Flaw of Averages Sam L. Savage, 2012-03-13 A must-read for anyone who makes business decisions that have a major financial impact. As the recent collapse on Wall Street shows, we are often ill-equipped to deal with uncertainty and risk. Yet every day we base our personal and business plans on uncertainties, whether they be next month's sales, next year's costs, or tomorrow's stock price. In *The Flaw of Averages*, Sam Savage known for his creative exposition of difficult subjects describes common avoidable mistakes in assessing risk in the face of uncertainty. Along the way, he shows why plans based on average assumptions are wrong, on average, in areas as diverse as healthcare, accounting, the War on Terror, and climate change. In his chapter on Sex and the Central Limit Theorem, he bravely grasps the literary third rail of gender differences. Instead of statistical jargon, Savage presents complex concepts in plain English. In addition, a tightly integrated web site contains numerous animations and simulations to further connect the seat of the reader's intellect to the seat of their pants. *The Flaw of Averages* typically results when someone plugs a single number into a spreadsheet to represent an uncertain future quantity. Savage finishes the book with a discussion of the emerging field of Probability Management, which cures this problem through a new technology that can pack thousands of numbers into a single spreadsheet cell. Praise for *The Flaw of Averages* "Statistical uncertainties are pervasive in decisions we make every day in business, government, and our personal lives. Sam

Savage's lively and engaging book gives any interested reader the insight and the tools to deal effectively with those uncertainties. I highly recommend *The Flaw of Averages*." —William J. Perry, Former U.S. Secretary of Defense "Enterprise analysis under uncertainty has long been an academic ideal. . . . In this profound and entertaining book, Professor Savage shows how to make all this practical, practicable, and comprehensible." —Harry Markowitz, Nobel Laureate in Economics

misleading statistics in news: Summary of How to Lie With Statistics by Darrell Huff

QuickRead, Lea Schullery, Learn to identify how companies use statistics to deceive and manipulate the public. Today our news is bombarded with statistical information. We are given averages, percentages, and more, and are simply expected to trust these numbers without question. H.G. Wells understood the importance of understanding this information by stating, "Statistical thinking will one day be as necessary for efficient citizenship as the ability to read and write." Unfortunately, many in society don't have a strong sense of statistical thinking, and writers take advantage of this by using the necessary vocabulary and numbers to dupe their readers. At first glance, numbers seem credible and trustworthy, but if you take a deeper look, you might find that there is more than meets the eye. Throughout *How to Lie With Statistics*, Darrell Huff shares the tricks writers use in statistics to their advantage. As you read, you'll learn when it is statistically safest to drive, how to create the best sample in a study, and why counting all the beans is simply too hard. Do you want more free book summaries like this? Download our app for free at <https://www.QuickRead.com/App> and get access to hundreds of free book and audiobook summaries. DISCLAIMER: This book summary is meant as a preview and not a replacement for the original work. If you like this summary please consider purchasing the original book to get the full experience as the original author intended it to be. If you are the original author of any book on QuickRead and want us to remove it, please contact us at hello@quickread.com.

misleading statistics in news: Covid By Numbers David Spiegelhalter, Anthony Masters, 2021-10-07 'I couldn't imagine a better guidebook for making sense of a tragic and momentous time in our lives. Covid by Numbers is comprehensive yet concise, impeccably clear and always humane' Tim Harford How many people have died because of COVID-19? Which countries have been hit hardest by the virus? What are the benefits and harms of different vaccines? How does COVID-19 compare to the Spanish flu? How have the lockdown measures affected the economy, mental health and crime? This year we have been bombarded by statistics - seven day rolling averages, rates of infection, excess deaths. Never have numbers been more central to our national conversation, and never has it been more important that we think about them clearly. In the media and in their Observer column, Professor Sir David Spiegelhalter and RSS Statistical Ambassador Anthony Masters have interpreted these statistics, offering a vital public service by giving us the tools we need to make sense of the virus for ourselves and holding the government to account. In *Covid by Numbers*, they crunch the data on a year like no other, exposing the leading misconceptions about the virus and the vaccine, and answering our essential questions. This timely, concise and approachable book offers a rare depth of insight into one of the greatest upheavals in history, and a trustworthy guide to these most uncertain of times.

misleading statistics in news: Making Sense of Data in the Media Andrew Bell, Todd Hartman, Aneta Piekut, Alasdair Rae, Mark Taylor, 2019-11-04 The amount of data produced, captured and transmitted through the media has never been greater. But for this data to be useful, it needs to be properly understood and claims made about or with data need to be properly scrutinized. Through a series of examples of statistics in the media, this book shows you how to critically assess the presentation of data in the media, to identify what is significant and to sort verifiable conclusions from misleading claims. How accurate are polls, and how should we know? How should league tables be read? Are numbers presented as 'large' really as big as they may seem at first glance? By answering these questions and more, readers will learn a number of statistical concepts central to many undergraduate social science statistics courses. By tying them in to real life examples, the importance and relevance of these concepts comes to life. As such, this book does more than teaches techniques needed for a statistics course; it teaches you life skills that we need to

use every single day.

misleading statistics in news: Calling Bullshit Carl T. Bergstrom, Jevin D. West, 2021-04-20 Bullshit isn't what it used to be. Now, two science professors give us the tools to dismantle misinformation and think clearly in a world of fake news and bad data. "A modern classic . . . a straight-talking survival guide to the mean streets of a dying democracy and a global pandemic."—Wired Misinformation, disinformation, and fake news abound and it's increasingly difficult to know what's true. Our media environment has become hyperpartisan. Science is conducted by press release. Startup culture elevates bullshit to high art. We are fairly well equipped to spot the sort of old-school bullshit that is based in fancy rhetoric and weasel words, but most of us don't feel qualified to challenge the avalanche of new-school bullshit presented in the language of math, science, or statistics. In Calling Bullshit, Professors Carl Bergstrom and Jevin West give us a set of powerful tools to cut through the most intimidating data. You don't need a lot of technical expertise to call out problems with data. Are the numbers or results too good or too dramatic to be true? Is the claim comparing like with like? Is it confirming your personal bias? Drawing on a deep well of expertise in statistics and computational biology, Bergstrom and West exuberantly unpack examples of selection bias and muddled data visualization, distinguish between correlation and causation, and examine the susceptibility of science to modern bullshit. We have always needed people who call bullshit when necessary, whether within a circle of friends, a community of scholars, or the citizenry of a nation. Now that bullshit has evolved, we need to relearn the art of skepticism.

misleading statistics in news: Journalism, fake news & disinformation Ireton, Cheryl, Posetti, Julie, 2018-09-17

misleading statistics in news: Starting Statistics Neil Burdess, 2010-02-17 Statistics: A Short, Clear Guide is an accessible, humorous and easy introduction to statistics for social science students. In this refreshing book, experienced author and academic Neil Burdess shows that statistics are not the result of some mysterious black magic, but rather the result of some very basic arithmetic. Getting rid of confusing x's and y's, he shows that it's the intellectual questions that come before and after the calculations that are important: (i) What are the best statistics to use with your data? and (ii) What do the calculated statistics tell you? Statistics: A Short, Clear Guide aims to help students make sense of the logic of statistics and to decide how best to use statistics to analyse their own data. What's more, it is not reliant on students having access to any particular kind of statistical software package. This is a very useful book for any student in the social sciences doing a statistics course or needing to do statistics for themselves for the first time.

misleading statistics in news: Nabokov's Favorite Word Is Mauve Ben Blatt, 2017-03-14 Blatt brings big data to the literary canon, exploring the wealth of fun findings that remain hidden in the works of the world's greatest writers. He assembles a database of thousands of books and hundreds of millions of words, and starts asking the questions that have intrigued curious word nerds and book lovers for generations: What are our favorite authors' favorite words? Do men and women write differently? Are bestsellers getting dumber over time? Which bestselling writer uses the most clichés? What makes a great opening sentence? How can we judge a book by its cover? And which writerly advice is worth following or ignoring?--Amazon.com.

misleading statistics in news: More Damned Lies and Statistics Joel Best, 2004-09-06 In this sequel to the acclaimed Damned Lies and Statistics, which the Boston Globe said deserves a place next to the dictionary on every school, media, and home-office desk, Joel Best continues his straightforward, lively, and humorous account of how statistics are produced, used, and misused by everyone from researchers to journalists. Underlining the importance of critical thinking in all matters numerical, Best illustrates his points with examples of good and bad statistics about such contemporary concerns as school shootings, fatal hospital errors, bullying, teen suicides, deaths at the World Trade Center, college ratings, the risks of divorce, racial profiling, and fatalities caused by falling coconuts. More Damned Lies and Statistics encourages all of us to think in a more sophisticated and skeptical manner about how statistics are used to promote causes, create fear, and advance particular points of view. Best identifies different sorts of numbers that shape how we think

about public issues: missing numbers are relevant but overlooked; confusing numbers bewilder when they should inform; scary numbers play to our fears about the present and the future; authoritative numbers demand respect they don't deserve; magical numbers promise unrealistic, simple solutions to complex problems; and contentious numbers become the focus of data duels and stat wars. The author's use of pertinent, socially important examples documents the life-altering consequences of understanding or misunderstanding statistical information. He demystifies statistical measures by explaining in straightforward prose how decisions are made about what to count and what not to count, what assumptions get made, and which figures are brought to our attention. Best identifies different sorts of numbers that shape how we think about public issues. Entertaining, enlightening, and very timely, this book offers a basis for critical thinking about the numbers we encounter and a reminder that when it comes to the news, people count—in more ways than one.

misleading statistics in news: Damned Lies and Statistics Joel Best, 2012-08-07 Here, by popular demand, is the updated edition to Joel Best's classic guide to understanding how numbers can confuse us. In his new afterword, Best uses examples from recent policy debates to reflect on the challenges to improving statistical literacy. Since its publication ten years ago, *Damned Lies and Statistics* has emerged as the go-to handbook for spotting bad statistics and learning to think critically about these influential numbers.

misleading statistics in news: *Black Stats* Monique Couvson, 2014-01-28 An essential handbook of eye-opening—and frequently myth-busting—facts and figures about the real lives of Black Americans today There's no defeating white supremacist myths without data—real data. *Black Stats* is a compact and useful guide that offers up-to-date figures on Black life in the United States today, avoiding jargon and assumptions and providing critical analyses and information. Monique Couvson, author of the acclaimed *Pushout*, has compiled statistics from a broad spectrum of telling categories that illustrate the quality of life and the possibility of (and barriers to) advancement for a group at the heart of American society. With fascinating information on everything from disease trends, incarceration rates, and lending practices to voting habits, green jobs, and educational achievement, the material in this book will enrich and inform a range of public debates while challenging commonly held yet often misguided perceptions. *Black Stats* simultaneously highlights measures of incredible progress, conveys the disparate impacts of social policies and practices, and surprises with revelations that span subjects including the entertainment industry, military service, and marriage trends. An essential tool for advocates, educators, and anyone seeking racial justice, *Black Stats* is an affordable guidebook for anyone seeking to understand the complex state of our nation.

misleading statistics in news: *Cochrane Handbook for Systematic Reviews of Interventions* Julian P. T. Higgins, Sally Green, 2008-11-24 Healthcare providers, consumers, researchers and policy makers are inundated with unmanageable amounts of information, including evidence from healthcare research. It has become impossible for all to have the time and resources to find, appraise and interpret this evidence and incorporate it into healthcare decisions. Cochrane Reviews respond to this challenge by identifying, appraising and synthesizing research-based evidence and presenting it in a standardized format, published in The Cochrane Library (www.thecochranelibrary.com). The Cochrane Handbook for Systematic Reviews of Interventions contains methodological guidance for the preparation and maintenance of Cochrane intervention reviews. Written in a clear and accessible format, it is the essential manual for all those preparing, maintaining and reading Cochrane reviews. Many of the principles and methods described here are appropriate for systematic reviews applied to other types of research and to systematic reviews of interventions undertaken by others. It is hoped therefore that this book will be invaluable to all those who want to understand the role of systematic reviews, critically appraise published reviews or perform reviews themselves.

misleading statistics in news: *Know Your Chances* Steven Woloshin, Lisa M. Schwartz, H. Gilbert Welch, 2008-11-30 Understanding risk -- Putting risk in perspective -- Risk charts : a way to

get perspective -- Judging the benefit of a health intervention -- Not all benefits are equal :
understand the outcome -- Consider the downsides -- Do the benefits outweigh the downsides? --
Beware of exaggerated importance -- Beware of exaggerated certainty -- Who's behind the numbers?

misleading statistics in news: Disinformation in Open Online Media Max van Duijn, Mike Preuss, Viktoria Spaiser, Frank Takes, Suzan Verberne, 2020-10-20 Chapters "Identifying Political Sentiments on YouTube: A Systematic Comparison regarding the Accuracy of Recurrent Neural Network and Machine Learning Models", "Do Online Trolling Strategies Differ in Political and Interest Forums: Early Results" and "Students Assessing Digital News and Misinformation" are available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

misleading statistics in news: Detecting Fake News on Social Media Kai Shu, Huan Liu, 2019-07-03 This book is an accessible introduction to the study of detecting fake news on social media. The concepts, algorithms, and methods described in this book can help harness the power of social media to build effective and intelligent fake news detection systems. In the past decade, social media is becoming increasingly popular for news consumption due to its easy access, fast dissemination, and low cost. However, social media also enables the wide propagation of fake news, i.e., news with intentionally false information. Fake news on social media can have significant negative societal effects. Therefore, fake news detection on social media has recently become an emerging research that is attracting tremendous attention. From a data mining perspective, this book introduces the basic concepts and characteristics of fake news across disciplines, reviews representative fake news detection methods in a principled way, and illustrates advanced settings of fake news detection on social media. In particular, the authors discuss the value of news content and social context, as well as important extensions to handle early detection, weakly-supervised detection, and explainable detection. This is essential reading for students, researchers, and practitioners to understand, manage, and excel in this area. This book is supported by additional materials, including lecture slides, the complete set of figures, key references, datasets, tools used in this book, and the source code of representative algorithms.

misleading statistics in news: Statistical Downscaling and Bias Correction for Climate Research Douglas Maraun, Martin Widmann, 2018-01-18 A comprehensive and practical guide, providing technical background and user context for researchers, graduate students, practitioners and decision makers. This book presents the main approaches and describes their underlying assumptions, skill and limitations. Guidelines for the application of downscaling and the use of downscaled information in practice complete the volume.

misleading statistics in news: SOU-CCJ230 Introduction to the American Criminal Justice System Alison Burke, David Carter, Brian Fedorek, Tiffany Morey, Lore Rutz-Burri, Shanell Sanchez, 2019

misleading statistics in news: The Data Detective Tim Harford, 2021-02-02 From "one of the great (greatest?) contemporary popular writers on economics" (Tyler Cowen) comes a smart, lively, and encouraging rethinking of how to use statistics. Today we think statistics are the enemy, numbers used to mislead and confuse us. That's a mistake, Tim Harford says in *The Data Detective*. We shouldn't be suspicious of statistics—we need to understand what they mean and how they can improve our lives: they are, at heart, human behavior seen through the prism of numbers and are often "the only way of grasping much of what is going on around us." If we can toss aside our fears and learn to approach them clearly—understanding how our own preconceptions lead us astray—statistics can point to ways we can live better and work smarter. As "perhaps the best popular economics writer in the world" (New Statesman), Tim Harford is an expert at taking complicated ideas and untangling them for millions of readers. In *The Data Detective*, he uses new research in science and psychology to set out ten strategies for using statistics to erase our biases and replace them with new ideas that use virtues like patience, curiosity, and good sense to better understand ourselves and the world. As a result, *The Data Detective* is a big-idea book about statistics and human behavior that is fresh, unexpected, and insightful.

misleading statistics in news: Spurious Correlations Tyler Vigen, 2015-05-12 Spurious Correlations ... is the most fun you'll ever have with graphs. -- Bustle Military intelligence analyst and Harvard Law student Tyler Vigen illustrates the golden rule that correlation does not equal causation through hilarious graphs inspired by his viral website. Is there a correlation between Nic Cage films and swimming pool accidents? What about beef consumption and people getting struck by lightning? Absolutely not. But that hasn't stopped millions of people from going to tylervigen.com and asking, Wait, what? Vigen has designed software that scours enormous data sets to find unlikely statistical correlations. He began pulling the funniest ones for his website and has since gained millions of views, hundreds of thousands of likes, and tons of media coverage. Subversive and clever, Spurious Correlations is geek humor at its finest, nailing our obsession with data and conspiracy theory.

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Medicine, Committee on Priorities for a Public Health Research Agenda to Reduce the Threat of Firearm-Related Violence, 2013-10-03 In 2010, more than 105,000 people were injured or killed in the United States as the result of a firearm-related incident. Recent, highly publicized, tragic mass shootings in Newtown, CT; Aurora, CO; Oak Creek, WI; and Tucson, AZ, have sharpened the American public's interest in protecting our children and communities from the harmful effects of firearm violence. While many Americans legally use firearms for a variety of activities, fatal and nonfatal firearm violence poses a serious threat to public safety and welfare. In January 2013, President Barack Obama issued 23 executive orders directing federal agencies to improve knowledge of the causes of firearm violence, what might help prevent it, and how to minimize its burden on public health. One of these orders directed the Centers for Disease Control and Prevention (CDC) to, along with other federal agencies, immediately begin identifying the most pressing problems in firearm violence research. The CDC and the CDC Foundation asked the IOM, in collaboration with the National Research Council, to convene a committee tasked with developing a potential research agenda that focuses on the causes of, possible interventions to, and strategies to minimize the burden of firearm-related violence. *Priorities for Research to Reduce the Threat of Firearm-Related Violence* focuses on the characteristics of firearm violence, risk and protective factors, interventions and strategies, the impact of gun safety technology, and the influence of video games and other media.

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Charles Wheelan, 2013-01-07 A New York Times bestseller Brilliant, funny...the best math teacher you never had. —San Francisco Chronicle Once considered tedious, the field of statistics is rapidly evolving into a discipline Hal Varian, chief economist at Google, has actually called sexy. From batting averages and political polls to game shows and medical research, the real-world application of statistics continues to grow by leaps and bounds. How can we catch schools that cheat on standardized tests? How does Netflix know which movies you'll like? What is causing the rising incidence of autism? As best-selling author Charles Wheelan shows us in *Naked Statistics*, the right data and a few well-chosen statistical tools can help us answer these questions and more. For those who slept through Stats 101, this book is a lifesaver. Wheelan strips away the arcane and technical details and focuses on the underlying intuition that drives statistical analysis. He clarifies key concepts such as inference, correlation, and regression analysis, reveals how biased or careless parties can manipulate or misrepresent data, and shows us how brilliant and creative researchers are exploiting the valuable data from natural experiments to tackle thorny questions. And in Wheelan's trademark style, there's not a dull page in sight. You'll encounter clever Schlitz Beer marketers leveraging basic probability, an International Sausage Festival illuminating the tenets of the central limit theorem, and a head-scratching choice from the famous game show *Let's Make a Deal*—and you'll come away with insights each time. With the wit, accessibility, and sheer fun that turned *Naked Economics* into a bestseller, Wheelan defies the odds yet again by bringing another essential, formerly unglamorous discipline to life.

misleading statistics in news: Statistics and the Quest for Quality Journalism Alessandro

Martinisi, Jairo Alfonso Lugo-Ocando, 2020-10-29 This book looks at how numbers and statistics have been used to underpin quality in news reporting. In doing so, the aim is to challenge some common assumptions about how journalists engage and use statistics in their quest for quality news. It seeks to improve our understanding about the usage of data and statistics as a primary means for the construction of social reality. This is a task, in our view, that is urgent in times of 'post-truth' politics and the rise of 'fake news'. In this sense, the quest to produce 'quality' news, which seems to require incorporating statistics and engaging with data, as laudable and straightforward as it sounds, is instead far more problematic and complex than what is often accounted for.

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wrong hands, math can be deadly. Even the simplest numbers can become powerful forces when manipulated by politicians or the media, but in the case of the law, your liberty -- and your life -- can depend on the right calculation. In *Math on Trial*, mathematicians Leila Schneps and Coralie Colmez

describe ten trials spanning from the nineteenth century to today, in which mathematical arguments were used -- and disastrously misused -- as evidence. They tell the stories of Sally Clark, who was accused of murdering her children by a doctor with a faulty sense of calculation; of nineteenth-century tycoon Hetty Green, whose dispute over her aunt's will became a signal case in the forensic use of mathematics; and of the case of Amanda Knox, in which a judge's misunderstanding of probability led him to discount critical evidence -- which might have kept her in jail. Offering a fresh angle on cases from the nineteenth-century Dreyfus affair to the murder trial of Dutch nurse Lucia de Berk, Schneps and Colmez show how the improper application of mathematical concepts can mean the difference between walking free and life in prison. A colorful narrative of mathematical abuse, *Math on Trial* blends courtroom drama, history, and math to show that legal expertise isn't always enough to prove a person innocent.

misleading statistics in news: The Campus Rape Frenzy KC Johnson, Stuart Taylor, Jr., 2018-05-22 In recent years, politicians led by President Obama and prominent senators and governors have teamed with extremists on campus to portray our nation's institutions of higher learning as awash in a violent crime wave—and to suggest (preposterously) that university leaders, professors, and students are indifferent to female sexual assault victims in their midst. Neither of these claims has any bearing to reality. But they have achieved widespread acceptance, thanks in part to misleading alarums from the Obama administration and biased media coverage led by *The New York Times*. The frenzy about campus rape has helped stimulate—and has been fanned by—ideologically skewed campus sexual assault policies and lawless commands issued by federal bureaucrats to force the nation's all-too-compliant colleges and universities essentially to presume the guilt of accused students. The result has been a widespread disregard of such bedrock American principles as the presumption of innocence and the need for fair play. This book uses hard facts to set the record straight. It explores, among other things, nearly two dozen of the cases since 2010 in which students who in all likelihood would have or have subsequently been found not guilty in a court of law have, in a lopsided process, been hastily and carelessly branded as sex criminals and expelled or otherwise punished by their colleges, often after being tarred and feathered by their fellow students. And it shows why all students—and, eventually, society as a whole—are harmed when our nation's universities abandon pursuit of truth and seek instead to accommodate the passions of the mob. As detailed in the new Epilogue, some encouraging events have transpired since this book was first published in October 2016. A majority of the judicial rulings in dozens of lawsuits by male students claiming their schools treated them unfairly and discriminated against them based on their gender have rebuked the schools for their handling of these cases. And Education Secretary Betsy DeVos called for fairness to accused students and accusers alike, revoked most of the guilt-presuming Obama-era policies, and began a protracted rule-making process designed to compel procedural fairness and nondiscrimination.

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