

Flaws And Fallacies In Statistical Thinking

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Flaws And Fallacies In Statistical

"Flaws and Fallacies in Statistical Thinking" by Stephen K. Campbell is interesting, amusing, and educational. The author examines less-than-honest claims and faults in statistical thinking. While the average person may have some difficulty in following the material, the author is clear and the material is worth the effort.

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Flaws and Fallacies in Statistical Thinking (Dover Books ...

Flaws and Fallacies in Statistical Thinking by Stephen K. Campbell. This book was written with a dual purpose: first, the author was motivated to relieve his distress over the faulty conclusions drawn from the frequent misuse of relatively simple statistical tools such as percents, graphs, and averages.

Flaws and Fallacies in Statistical Thinking by Stephen K ...

Nontechnical survey helps to improve the ability to judge the quality of statistical evidence and to make better-informed decisions. Discusses common statistical pitfalls: unrealistic estimates, improper comparisons, premature conclusions, and faulty thinking about probability.

Flaws and Fallacies in Statistical Thinking

Flaws and Fallacies in Statistical Thinking 3.86 · Rating details · 22 Ratings · 1 Review. This book was written with a dual purpose: first, the author was motivated to relieve his distress over the faulty conclusions drawn from the frequent misuse of relatively simple statistical tools such as percents, graphs, and averages.

Flaws and Fallacies in Statistical Thinking by Stephen K ...

Flaws and Fallacies in Statistical Thinking. He explains common pitfalls of statistical thinking such as ignoring dispersion, inflating percentages, drawing improper comparisons, jumping to conclusions, and making errors of probability and induction. Playful in tone but scrupulously accurate in nature, this text is equally valuable in and out of the classroom.

Flaws and Fallacies in Statistical Thinking - Stephen K ...

Stephen Campbell's Flaws and Fallacies in Statistical Thinking was originally published in 1974. It is now available in a variety of formats, ranging from a Dover reprint to Kindle, iTunes, and OpenLibrary. The author provides a very readable account of many kinds of flawed statistical reasoning (more than 20 by a casual count).

Flaws and Fallacies in Statistical Thinking | Mathematical ...

Flaws and Fallacies of BAD DATA and a transition to data types! Plan your 45-minute lesson in Math or Statistics with helpful tips from Jarod Hammel

Flaws and Fallacies (cont.) AND Types of Data

After wrapping up our discussion on flaws and fallacies in statistical thinking, I roll out the homework assignment for the evening. I tell the students that they must create 2 flawed data collection/statistical scenarios (similar idea to what I created for them in class).

Role Play PLUS Flaws and Fallacies in Statistical Thinking

The example for the conjunction fallacy appears to fall foul of the base-rate fallacy. If a person was selected at random from the general population then it is more likely they would belong to the subset of bank tellers than of feminist bank tellers.

Common statistical fallacies | FlowingData

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Flaws and Fallacies in Statistical Thinking eBook by ...

Flaws and Fallacies in Statistical Thinking.. [Stephen K Campbell] -- This book was written with a dual purpose: first, the author was motivated to relieve his distress over the faulty conclusions drawn from the frequent misuse of relatively simple statistical tools ...

Flaws and Fallacies in Statistical Thinking. (eBook, 2012 ...

Statistics, when used in a misleading fashion, can trick the casual observer into believing something other than what the data shows. That is, a misuse of statistics occurs when a statistical argument asserts a falsehood. In some cases, the misuse may be accidental. In others, it is purposeful and for the gain of the perpetrator. When the statistical reason involved is false or misapplied, this constitutes a statistical fallacy. The false statistics trap can be quite damaging for the quest for k

Misuse of statistics - Wikipedia

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Flaws and Fallacies in Statistical Thinking by Stephen K ...

Informal fallacies – arguments that are fallacious for reasons other than structural (formal) flaws and usually require examination of the argument's content. Argument to moderation (false compromise, middle ground, fallacy of the mean, argumentum ad temperantiam) – assuming that the compromise between two positions is always correct.

List of fallacies - Wikipedia

Statistical Fallacies. Critical Thinking. Lies, Damn Lies, and Statistics. • Statistics can be easily abused to persuade those: – who don't have an affinity with numbers (intimidation and obfuscation: "snow them with the math!") – who do have an affinity with numbers (appeal to numbers: "I love numbers.

Critical Thinking - Cognitive science

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