

Resources for the 2019 WCSJ session [Seeking elusive truths: How to judge statistical results as a non-statistician on statistics](#) (available at bit.ly/wcsj19stats)

Abstracts discussed in the session: <http://bit.ly/2019statsAbstract>

[Where to get help interpreting statistics:](#)

The American Statistical Association maintains a list of members who have volunteered to serve as sources of information for the media. The list is organized by area of expertise in fields of statistical application. <http://bit.ly/statsSources>

[HealthNewsReview primer on absolute vs relative risk and why it matters](#)

<https://www.healthnewsreview.org/toolkit/tips-for-understanding-studies/absolute-vs-relative-risk/>

[HealthNewsReview toolkit for understanding studies](#)

<https://www.healthnewsreview.org/toolkit/tips-for-understanding-studies/>

Sources from Valentin

[Retire statistical significance.](#) Amrhein V, Greenland S, McShane B. 2019. Nature 567, 305-307. bit.ly/retiresignif

The authors and 850 signatories call for an end to hyped claims based on arbitrary statistical thresholds

[Inferential statistics as descriptive statistics: There is no replication crisis if we don't expect replication.](#) Amrhein V, Trafimow D, Greenland S. 2019. The American Statistician 73, sup1, 262-270. bit.ly/noreplic

Guide to more humble and accurate reporting of study results, with some modest recommendations for researchers, science writers and journalists

[The earth is flat \(p>0.05\): Significance thresholds and the crisis of unreplicable research.](#) Amrhein V, Korner-Nievergelt F, Roth T. 2017. PeerJ 5, e3544. bit.ly/flatp05

History of, problems with, and solutions for applying p-values and significance testing

[Moving to a world beyond "p<0.05".](#) Wasserstein RL, Schirm AL, Lazar NA. 2019. The American Statistician 73, sup1, 1-19. bit.ly/beyondp05

Editorial to the special issue of The American Statistician: Statistical Inference in the 21st Century

[Statistical tests, P values, confidence intervals, and power: a guide to misinterpretations.](#) Greenland S, Senn SJ, Rothman KJ, Carlin JB, Poole C, Goodman SN, Altman DG. 2016. European Journal of Epidemiology 31, 337-350.

bit.ly/pmisinterpret

The most comprehensive introduction to common statistical misinterpretations

Stories from Christie

[Statisticians Found One Thing They Can Agree On: It's Time To Stop Misusing P-Values](https://fivethirtyeight.com/features/statisticians-found-one-thing-they-can-agree-on-its-time-to-stop-misusing-p-values/)

<https://fivethirtyeight.com/features/statisticians-found-one-thing-they-can-agree-on-its-time-to-stop-misusing-p-values/>

[Science Isn't Broken](https://fivethirtyeight.com/features/science-isnt-broken/) (Try out p-hacking)

<https://fivethirtyeight.com/features/science-isnt-broken/>

[Ignore The Headlines: We Don't Know If E-Cigs Lead Kids To Real Cigs](https://fivethirtyeight.com/features/ignore-the-headlines-we-dont-know-if-e-cigs-lead-kids-to-real-cigs/)

<https://fivethirtyeight.com/features/ignore-the-headlines-we-dont-know-if-e-cigs-lead-kids-to-real-cigs/>

[How Shoddy Statistics Found A Home In Sports Research](https://fivethirtyeight.com/features/how-shoddy-statistics-found-a-home-in-sports-research/)

<https://fivethirtyeight.com/features/how-shoddy-statistics-found-a-home-in-sports-research/>

[A Flawed Statistical Method Was Just Banned From A Major Sports Science Journal](https://fivethirtyeight.com/features/a-flawed-statistical-method-was-just-banned-from-a-major-sports-science-journal/)

<https://fivethirtyeight.com/features/a-flawed-statistical-method-was-just-banned-from-a-major-sports-science-journal/>

[You Can't Trust What You Read About Nutrition](https://fivethirtyeight.com/features/you-cant-trust-what-you-read-about-nutrition/). We found a link between cabbage and innie bellybuttons, but that doesn't mean it's real.

<https://fivethirtyeight.com/features/you-cant-trust-what-you-read-about-nutrition/>

[What's a p-value?](https://fivethirtyeight.com/pvalue)

<https://fivethirtyeight.com/pvalue>

[The red card study](https://psyarxiv.com/qkwst/)

<https://psyarxiv.com/qkwst/>