## Hypothesis Testing

critical values

**The main purpose of statistics is to test a hypothesis.** For example, you might run an experiment and find that a certain drug is effective at treating headaches. But if you can’t repeat that experiment, no one will take your results seriously. A good example of this was the [cold fusion](https://en.wikipedia.org/wiki/Cold_fusion) discovery, which petered into obscurity because no one was able to duplicate the results.

**ee also:**

* [Hypothesis Tests in One Picture](https://www.datasciencecentral.com/profiles/blogs/hypothesis-tests-in-one-picture)
* [Critical Values](https://www.statisticshowto.com/probability-and-statistics/find-critical-values/)
* [What is the Null Hypothesis?](https://www.statisticshowto.com/probability-and-statistics/null-hypothesis/)