

Bayesian Estimation

In the null hypothesis schema we are trying only to nullify something: “The null hypothesis is never proved or established but is possibly disproved in the course of experimentation.” But ordinarily evidence does not take this form. With the *corpus delicti* in front of you, you do not say, “Here is evidence against the hypothesis that no one is dead.” You say, “Evidently someone has been murdered.” (Berkson 1942)¹

Berkson, Joseph. 1942. “Tests of Significance Considered as Evidence.” *Journal of the American Statistical Association* 37 (219): 325–35.

¹Joseph Berkson (1899–1982) was an American physician and statistician at the Mayo Clinic in Rochester, Minnesota. He helped develop and popularize the use of logistic regression for binary outcomes, coining the term “logit” for the log odds in 1944. He also pioneered the study of selection bias, a special case of which is called “Berkson’s bias”. Later, he became a prominent opponent of the idea that smoking causes lung cancer. See https://en.wikipedia.org/wiki/Joseph_Berkson.