

16. References

- Adair, G. (1984). "The Hawthorne effect: A reconsideration of the methodological artifact". In: *Journal of Applied Psychology* 69, pp. 334–345 (page 37).
- Agresti, A. (1996). *An Introduction to Categorical Data Analysis*. Hoboken, New Jersey: Wiley (page 203).
- (2002). *Categorical Data Analysis*. 2nd. Hoboken, New Jersey: Wiley (page 203).
- Akaike, H. (1974). "A new look at the statistical model identification". In: *IEEE Transactions on Automatic Control* 19, pp. 716–723 (page 287).
- Anscombe, F. J. (1973). "Graphs in statistical analysis". In: *American Statistician* 27, pp. 17–21 (page 255).
- Bickel, P. J., E. A. Hammel, and J. W. O'Connell (1975). "Sex bias in graduate admissions: Data from Berkeley". In: *Science* 187, pp. 398–404 (pages 7, 8).
- Box, G. E. P. (1953). "Non-normality and tests on variances". In: *Biometrika* 40, pp. 318–335 (page 308).
- Box, George E. P. (1976). "Science and Statistics". In: *Journal of the American Statistical Association* 71, pp. 791–799 (page 170).
- Box, J. F. (1987). "Guinness, Gosset, Fisher, and Small Samples". In: *Statistical Science* 2, pp. 45–52 (page 212).
- Brown, M. B. and A. B. Forsythe (1974). "Robust tests for equality of variances". In: *Journal of the American Statistical Association* 69, pp. 364–367 (page 308).
- Campbell, D. T. and J. C. Stanley (1963). *Experimental and Quasi-Experimental Designs for Research*. Boston, MA: Houghton Mifflin (pages 13, 41).
- Cochran, W. G. (1954). "The χ^2 test of goodness of fit". In: *The Annals of Mathematical Statistics* 23, pp. 315–345 (page 202).
- Cohen, J. (1988). *Statistical Power Analysis for the Behavioral Sciences*. 2nd. Lawrence Erlbaum (pages 170, 236).
- Cramer, H. (1946). *Mathematical Methods of Statistics*. Princeton: Princeton University Press (page 201).
- Dunn, O.J. (1961). "Multiple comparisons among means". In: *Journal of the American Statistical Association* 56, pp. 52–64 (pages 305, 306).
- Ellis, P. D. (2010). *The Essential Guide to Effect Sizes: Statistical Power, Meta-Analysis, and the Interpretation of Research Results*. Cambridge, UK: Cambridge University Press (page 170).

- Ellman, Michael (2002). "Soviet repression statistics: some comments". In: *Europe-Asia Studies* 54.7, pp. 1151–1172 (page 78).
- Evans, J. St. B. T., J. L. Barston, and P. Pollard (1983). "On the conflict between logic and belief in syllogistic reasoning". In: *Memory and Cognition* 11, pp. 295–306 (page 5).
- Evans, M., N. Hastings, and B. Peacock (2011). *Statistical Distributions (3rd ed)*. New York, NY: Wiley (page 120).
- Everitt, Brian S. (1996). *Making Sense of Statistics in Psychology. A Second-Level Course*. Oxford University Press (page 347).
- Fisher, R. A. (1922a). "On the interpretation of χ^2 from contingency tables, and the calculation of p ". In: *Journal of the Royal Statistical Society* 84, pp. 87–94 (page 181).
- (1922b). "On the mathematical foundation of theoretical statistics". In: *Philosophical Transactions of the Royal Society A* 222, pp. 309–368 (page 104).
- (1925). *Statistical Methods for Research Workers*. Edinburgh, UK: Oliver & Boyd (page 389).
- Fox, J. and S. Weisberg (2011). *An R Companion to Applied Regression*. 2nd. Los Angeles: Sage (page 278).
- Gelman, A. and H. Stern (2006). "The difference between "significant" and "not significant" is not itself statistically significant". In: *The American Statistician* 60, pp. 328–331 (page 176).
- Gelman, Andrew and Eric Loken (2014). "The statistical crisis in science". In: *American Scientist* 102.6, pp. 460+. issn: 0003-0996. doi: [10.1511/2014.111.460](https://doi.org/10.1511/2014.111.460). url: <http://mfkp.org/INRMM/article/13469628> (page 40).
- Geschwind, N. (1972). "Language and the brain". In: *Scientific American* 226(4), pp. 76–83 (page 316).
- Hays, W. L. (1994). *Statistics*. 5th. Fort Worth, TX: Harcourt Brace (page 297).
- Hedges, L. V. (1981). "Distribution theory for Glass's estimator of effect size and related estimators". In: *Journal of Educational Statistics* 6, pp. 107–128 (page 237).
- Hedges, L. V. and I. Olkin (1985). *Statistical Methods for Meta-Analysis*. New York: Academic Press (page 238).
- Hogg, R. V., J. V. McKean, and A. T. Craig (2005). *Introduction to Mathematical Statistics*. 6th. Upper Saddle River, NJ: Pearson (page 196).
- Holm, S. (1979). "A simple sequentially rejective multiple test procedure". In: *Scandinavian Journal of Statistics* 6, pp. 65–70 (page 306).
- Hothersall, D. (2004). *History of Psychology*. McGraw-Hill (page 36).
- Hróbjartsson, A and PC Gøtzsche (2010). "Placebo interventions for all clinical conditions". In: *Cochrane Database of Systematic Reviews* 1. url: <https://doi.org/10.1002/14651858.CD003974.pub3> (page 38).
- Hsu, J. C. (1996). *Multiple Comparisons: Theory and Methods*. London, UK: Chapman and Hall (pages 305, 362).
- Ioannidis, John P. A. (2005). "Why Most Published Research Findings Are False". In: *PLoS Med* 2.8, pp. 697–701 (page 40).
- Jeffreys, Harold (1961). *The Theory of Probability*. 3rd. Oxford (page 386).
- Johnson, Valen E (2013). "Revised standards for statistical evidence". In: *Proceedings of the National Academy of Sciences* 48, pp. 19313–19317 (pages 389, 390, 392).

- Kahneman, D. and A. Tversky (1973). "On the psychology of prediction". In: *Psychological Review* 80, pp. 237–251 (page 36).
- Kass, Robert E. and Adrian E. Raftery (1995). "Bayes factors". In: *Journal of the American Statistical Association* 90, pp. 773–795 (pages 386, 387).
- Keynes, John Maynard (1923). *A Tract on Monetary Reform*. London: Macmillan and Company (page 131).
- Kruschke, J. K. (2011). *Doing Bayesian Data Analysis: A Tutorial with R and BUGS*. Burlington, MA: Academic Press (page 398).
- Kruskal, W. H. and W. A. Wallis (1952). "Use of ranks in one-criterion variance analysis". In: *Journal of the American Statistical Association* 47, pp. 583–621 (page 311).
- Kühberger, A, A Fritz, and T. Scherndl (2014). "Publication bias in psychology: A diagnosis based on the correlation between effect size and sample size". In: *Public Library of Science One* 9, pp. 1–8 (page 40).
- Larntz, K. (1978). "Small-sample comparisons of exact levels for chi-squared goodness-of-fit statistics". In: *Journal of the American Statistical Association* 73, pp. 253–263 (page 202).
- Lee, Michael D and Eric-Jan Wagenmakers (2014). *Bayesian cognitive modeling: A practical course*. Cambridge University Press (page 398).
- Lehmann, Erich L. (2011). *Fisher, Neyman, and the Creation of Classical Statistics*. Springer (page 175).
- Levene, H (1960). "Robust tests for equality of variances". In: *Contributions to Probability and Statistics: Essays in Honor of Harold Hotelling*. Ed. by I. Olkin et al. Palo Alto, CA: Stanford University Press, pp. 278–292 (page 308).
- McGrath, R. E. and G. J. Meyer (2006). "When effect sizes disagree: The case of r and d ". In: *Psychological Methods* 11, pp. 386–401 (page 236).
- Meehl, P. H. (1967). "Theory testing in psychology and physics: A methodological paradox". In: *Philosophy of Science* 34, pp. 103–115 (page 104).
- Pearson, K. (1900). "On the criterion that a given system of deviations from the probable in the case of a correlated system of variables is such that it can be reasonably supposed to have arisen from random sampling". In: *Philosophical Magazine* 50, pp. 157–175 (page 181).
- Pfungst, O. (1911). *Clever Hans (The horse of Mr. von Osten): A contribution to experimental animal and human psychology*. Trans. by C. L. Rahn. New York: Henry Holt (page 36).
- Rosenthal, R (1966). *Experimenter effects in behavioral research*. New York: Appleton (page 37).
- Sahai, H. and M. I. Ageel (2000). *The Analysis of Variance: Fixed, Random and Mixed Models*. Boston: Birkhauser (page 322).
- Shaffer, J. P. (1995). "Multiple hypothesis testing". In: *Annual Review of Psychology* 46, pp. 561–584 (page 305).
- Shapiro, S. S. and M. B. Wilk (1965). "An analysis of variance test for normality (complete samples)". In: *Biometrika* 52, pp. 591–611 (page 240).
- Sokal, R. R. and F. J. Rohlf (1994). *Biometry: the principles and practice of statistics in biological research*. 3rd. New York: Freeman (page 194).
- Stevens, S. S. (1946). "On the theory of scales of measurement". In: *Science* 103, pp. 677–680 (page 13).
- Stigler, S. M. (1986). *The History of Statistics*. Cambridge, MA: Harvard University Press (page 129).

- Student, A. (1908). "The probable error of a mean". In: *Biometrika* 6, pp. 1–2 (page [212](#)).
- Welch, B. L. (1947). "The generalization of "Student's" problem when several different population variances are involved". In: *Biometrika* 34, pp. 28–35 (page [227](#)).
- (1951). "On the comparison of several mean values: An alternative approach". In: *Biometrika* 38, pp. 330–336 (page [310](#)).
- Wilkinson, Leland et al. (2006). *The grammar of graphics*. Springer (page [88](#)).
- Yates, F. (1934). "Contingency tables involving small numbers and the χ^2 test". In: *Supplement to the Journal of the Royal Statistical Society* 1, pp. 217–235 (page [200](#)).