Bibliographie

Aiken, L. S., West, S. G., & Millsap, R. E. (2008). Doctoral training in statistics, measurement, and methodology in psychology: Replication and extension of Aiken, West, Sechrest, and Reno’s (1990) survey of PhD programs in North America. *American Psychologist*, *63*(1), 32-50. https://doi.org/[10.1037/0003-066X.63.1.32](https://psycnet.apa.org/doi/10.1037/0003-066X.63.1.32)

Algina, J., Keselman, H. J., & Penfield, R. D. (2006). Confidence intervals for an effect size when variances are not equal. *Journal of Modern Applied Statistical Methods*, *5*(1), 2-13. https://doi.org/10.22237/jmasm/1146456060

Altman, D. G. (2005). Why we need confidence intervals. *World Journal of Surgery*, *29*(5), 554-556. https://doi.org/10.1007/s00268-005-7911-0

Andersen, M. B., McCullagh, P., & Wilson, G. J. (2007). But what do the numbers really tell us?: Arbitrary metrics and effect size reporting in sport psychology research. *Journal of Sport and Exercise Psychology*, *29*(5), 664-672. <https://doi.org/10.1123/jsep.29.5.664>

Anderson, S. F., & Maxwell, S. E. (2016). There’s more than one way to conduct a replication study: Beyond statistical significance. *Psychological Methods*, *21*(1), 1-12. [https://doi.org/10.1037/met0000051](https://psycnet.apa.org/doi/10.1037/met0000051)

Association, A. P. (2010). *Publication manual of the American Psychological Association [APA] (6 Ed.)* (American Psychological Association). Washington, DC: (s.n.).

Balluerka, N., Gómez, J., & Hidalgo, D. (2005). The controversy over null hypothesis significance testing revisited. *Methodology*, *1*(2), 55-70. <https://doi.org/10.1027/1614-1881.1.2.55>

Blume, J. D., D’Agostino McGowan, L., Dupont, W. D., & Greevy, R.A. (2018). Second-generation p-values: Improved rigor, reproducibility, & transparency in statistical analyses. *PLoS One*, *13*(3), e0188299. https://doi.org/10.1371/journal.pone.0188299

Boone, H. N., & Boone, D. A. (2012). Analyzing likert data. *Journal of Extension*, *50*(2), 1-5.

Box, G. E. (1954). Some theorems on quadratic forms applied in the study of analysis of variance problems, II. Effects of inequality of variance and of correlation between errors in the two-way classification. *The Annals of Mathematical Statistics*, *25*(3), 484-498. https://doi.org/10.1214/aoms/1177728717

Burriss, R. P., Troscianko, J., Lovell, P. G., Fulford, A. J., Stevens, M., Quigley, R., Payne, J., Saxton, T.K., & Rowland, H. M. (2015). Changes in women’s facial skin color over the ovulatory cycle are not detectable by the human visual system. *PLoS One*, *10*(7), e0130093. https://doi.org/10.1371/journal.pone.0130093

Button, K. S., Kounali, D., Thomas, L., Wiles, N. J., Peters, T. J., Welton, N. J., Ades, A.E., &Lewis, G. (2015). Minimal clinically important difference on the Beck Depression Inventory-II according to the patient’s perspective. *Psychological Medicine*, *45*(15), 3269-3279. <https://doi.org/10.1017/S0033291715001270>

Byrne, B. M. (1996). The status and role of quantitative methods in psychology: Past, present, and future perspectives. *Canadian Psychology/Psychologie canadienne*, *37*(2), 76-80. [https://doi.org/10.1037/0708-5591.37.2.76](https://psycnet.apa.org/doi/10.1037/0708-5591.37.2.76)

Cain, M. K., Zhang, Z., & Yuan, K.-H. (2017). Univariate and multivariate skewness and kurtosis for measuring nonnormality: Prevalence, influence and estimation. *Behavior Research Methods*, *49*(5), 1716-1735. https://doi.org/10.3758/s13428-016-0814-1

Coe, R. (2002). It’s the effect size, stupid: What effect size is and why it is important.

Cohen, J. (1965). Some statistical issues in psychological research. *Handbook of clinical psychology*, 95-121. New York. McGraw-Hill

Counsell, A., & Harlow, L. (2017). Reporting practices and use of quantitative methods in Canadian journal articles in psychology. *Canadian Psychology/Psychologie canadienne*, *58*(2), 140-147. https://doi.org/10.1037/cap0000074

Croasmun, J. T., & Ostrom, L. (2011). Using likert-type scales in the social sciences. *Journal of Adult Education*, *40*(1), 19-22.

Cumming, G. (2013). Cohen’s *d* needs to be readily interpretable: Comment on Shieh (2013). *Behavior Research Methods*, *45*(4), 968-971. https://doi.org/10.3758/s13428-013-0392-4

Cumming, G., Fidler, F., Kalinowski, P., & Lai, J. (2012). The statistical recommendations of the American Psychological Association Publication Manual: Effect sizes, confidence intervals, and meta-analysis. *Australian Journal of Psychology*, *64*(3), 138-146. <https://doi.org/10.1111/j.1742-9536.2011.00037.x>

Curtis, D. A., & Harwell, M. (1998). Training doctoral students in educational statistics in the United States: A national survey. *Journal of Statistics Education*, *6*(1), 1-23. <https://doi.org/10.1080/10691898.1998.11910604>

Delacre, M., Lakens, D., & Leys, C. (2017). Why psychologists should by default use Welch’s *t*-test instead of Student’s *t*-test. *International Review of Social Psychology*, *30*(1), 92-101. <http://doi.org/10.5334/irsp.82>

Delacre, M., Leys, C., Mora, Y. L., & Lakens, D. (2019). Taking parametric assumptions seriously: Arguments for the use of Welch’s *F*-test instead of the classical *F*-test in one- way ANOVA. *International Review of Social Psychology*, *32*(1), 1-12. <http://doi.org/10.5334/irsp.198>

Duran, R. P., Eisenhart, M. A., Erickson, F. D., Grant, C. A., Green, J. L., Hedges, L. V., & Schneider, B. L. (2006). Standards for reporting on empirical social science research in AERA publications: American Educational Research Association. *Educational Researcher*, *35*(6), 33-40.

Efron, B., & Tibshirani, R. J. (1994). *An introduction to the bootstrap*. (S.l.): CRC press.

Ellis, P. D. (2010). *The essential guide to effect sizes: Statistical power, meta-analysis, and the interpretation of research results*. (S.l.): Cambridge university press.

Erceg-Hurn, D. M., & Mirosevich, V. M. (2008). Modern robust statistical methods: an easy way to maximize the accuracy and power of your research. *American Psychologist*, *63*(7), 591-601. [https://doi.org/10.1037/0003-066X.63.7.591](https://psycnet.apa.org/doi/10.1037/0003-066X.63.7.591)

Everitt, B. S. (2001). *Statistics for psychologists: An intermediate course*. (S.l.): Psychology Press.

Field, A. (2013). *Discovering statistics using IBM SPSS statistics*. (S.l.): sage.

Finch, S., Cumming, G., & Thomason, N. (2001). Reporting of statistical inference in the Journal of Applied Psychology: Little evidence of reform. *Educational and Psychological Measurement*, 61(2), 181–210. [https://doi.org/10.1177/00131640121971167](https://psycnet.apa.org/doi/10.1177/00131640121971167)

Fraas, J. W., & Newman, I. (2000). Testing for Statistical and Practical Significance: A Suggested Technique Using a Randomization Test.

Funder, D. C., & Ozer, D. J. (2019). Evaluating effect size in psychological research: Sense and nonsense. *Advances in Methods and Practices in Psychological Science*, *2*(2), 156-168. [https://doi.org/10.1177/2515245919847202](https://doi.org/10.1177%2F2515245919847202)

Gignac, G. E., & Szodorai, E. T. (2016). Effect size guidelines for individual differences researchers. *Personality and Individual Differences*, *102*, 74-78. <https://doi.org/10.1016/j.paid.2016.06.069>

Glass, G. V., McGav, B., & Smith, M. L. (1981). *Meta-analysis in Social Research* (Sage). Beverly Hills, CA: (s.n.).

Glass, G. V., Peckham, P. D., & Sanders, J. R. (1972). Consequences of failure to meet assumptions underlying the fixed effects analyses of variance and covariance. *Review of Educational Research*, *42*(3), 237-288. [https://doi.org/10.3102/00346543042003237](https://doi.org/10.3102%2F00346543042003237)

Golinski, C., & Cribbie, R. A. (2009). The expanding role of quantitative methodologists in advancing psychology. *Canadian Psychology/Psychologie canadienne*, *50*(2), 83-90. [https://doi.org/10.1037/a0015180](https://psycnet.apa.org/doi/10.1037/a0015180)

Goulet-Pelletier, J.-C., & Cousineau, D. (2018). A review of effect sizes and their confidence intervals, Part I: The Cohen’s d family. *The Quantitative Methods for Psychology*, *14*(4), 242-265. https://doi.org/10.20982/tqmp.14.4.p242

Greenhouse, S. W., & Geisser, S. (1959). On methods in the analysis of profile data. *Psychometrika*, *24*(2), 95-112. https://doi.org/10.1007/BF02289823

Grissom, R. J. (2000). Heterogeneity of variance in clinical data. *Journal of Consulting and Clinical Psychology*, *68*(1), 155-165. [https://doi.org/10.1037/0022-006X.68.1.155](https://psycnet.apa.org/doi/10.1037/0022-006X.68.1.155)

Grissom, R. J., & Kim, J. J. (2001). Review of assumptions and problems in the appropriate conceptualization of effect size. *Psychological Methods*, *6*(2), 135-146. [https://doi.org/10.1037/1082-989X.6.2.135](https://psycnet.apa.org/doi/10.1037/1082-989X.6.2.135)

Grissom, R. J., & Kim, J. J. (2005). *Effect sizes for research: A broad practical approach.* (S.l.): Lawrence Erlbaum Associates Publishers.

Hartley, J. (2014). Some thoughts on Likert-type scales. *International Journal of Clinical and Health Psychology*, *14*(1), 83-86. <https://doi.org/10.1016/S1697-2600(14)70040-7>

Harwell, M. R. (1992). Summarizing Monte Carlo results in methodological research. *Journal of Educational Statistics*, *17*(4), 297-313. [https://doi.org/10.3102/10769986017004297](https://doi.org/10.3102%2F10769986017004297)

Haslam, S. A., & McGarty, C. (2014). *Research methods and statistics in psychology*. (S.l.): Sage.

Hedges, L. V., & Olkin, I. (1985). *Statistical Methods for Meta-Analysis* (Academic Press). Cambridge, Massachusetts: (s.n.).

Hoekstra, R., Kiers, H., & Johnson, A. (2012). Are assumptions of well-known statistical techniques checked, and why (not)? *Frontiers in Psychology*, *3*(137), 1-9. [https://doi.org/](https://doi.org/10.3102%2F10769986017004297)10.3389/fpsyg.2012.00137

Howitt, D., & Cramer, D. (2017). *Understanding statistics in psychology with SPSS*. (S.l.): Pearson London, UK:

Huynh, C.-L. (1989). A Unified Approach to the Estimation of Effect Size in Meta-Analysis.

Huynh, C.-L., & Feldt, L. S. (1976). Estimation of the Box correction for degrees of freedom from sample data in randomized block and split-plot designs. *Journal of Educational Statistics*, *1*(1), 69-82. [https://doi.org/](https://doi.org/10.3102%2F10769986017004297)[10.3102/10769986001001069](https://doi.org/10.3102%2F10769986001001069)

Jamieson, S. (2004). Likert scales: How to (ab)use them? *Medical Education*, *38*(12), 1217-1218. <https://doi.org/>10.1111/j.1365-2929.2004.02012.x

Joshi, A., Kale, S., Chandel, S., & Pal, D. K. (2015). Likert scale: Explored and explained. *British Journal of Applied Science & Technology*, *7*(4), 396-403. <https://doi.org/>10.9734/BJAST/2015/14975

Judd, C. M., McClelland, G. H., & Ryan, C. S. (2011). *Data analysis: A model comparison approach*. (S.l.): Routledge.

Judd, C. M., McClelland, G. H., Ryan, C. S., Muller, D., & Yzerbyt, V. (2018). *Analyse des données: une approche par comparaison de modèles*. (S.l.): De Boeck Superieur.

Kelley, K. (2005). The effects of nonnormal distributions on confidence intervals around the standardized mean difference: Bootstrap and parametric confidence intervals. *Educational and Psychological Measurement*, *65*(1), 51-69. <https://doi.org/>[10.1177/0013164404264850](https://doi.org/10.1177/0013164404264850)

Keselman, H. J., Algina, J., & Kowalchuk, R. K. (2001). The analysis of repeated measures designs: A review. *British Journal of Mathematical and Statistical Psychology*, *54*(1), 1-20. <https://doi.org/10.1348/000711001159357>

Keselman, H. J., Algina, J., Lix, L. M., Wilcox, R. R., & Deering, K. N. (2008). A generally robust approach for testing hypotheses and setting confidence intervals for effect sizes. *Psychological Methods*, *13*(2), 110-129. https://doi.org/10.1037/1082-989X.13.2.110

Keselman, H. J., Huberty, C. J., Lix, L. M., Olejnik, S., Cribbie, R. A., Donahue, B., Kowalchuk, R.K., Lowman, L.L., Petoskey, M.D., Keselman, J.C., & Levin, J.R. (1998). Statistical practices of educational researchers: An analysis of their ANOVA, MANOVA, and ANCOVA analyses. *Review of Educational Research*, *68*(3), 350-386. [https://doi.org/10.3102/00346543068003350](https://doi.org/10.3102%2F00346543068003350)

Keselman, H. J., & Rogan, J. C. (1980). Repeated measures *F* tests and psychophysiological research: Controlling the number of false positives. *Psychophysiology*, *17*(5), 499-503. <https://doi.org/10.1111/j.1469-8986.1980.tb00190.x>

Kulinskaya, E., & Staudte, R. G. (2007). Confidence intervals for the standardized effect arising in the comparison of two normal populations. *Statistics in medicine*, *26*(14), 2853-2871. <https://doi.org/10.1002/sim.2751>

Lakens, D. (2013). Calculating and reporting effect sizes to facilitate cumulative science: a practical primer for *t*-tests and ANOVAs. *Frontiers in psychology*, *4*(863), 1-12. <https://doi.org/10.3389/fpsyg.2013.00863>

Lakens, D. (2016, 9 décembre). The 20% Statistician: TOST equivalence testing R package (TOSTER) and spreadsheet. The 20% Statistician. Repéré à <http://daniellakens.blogspot.> [com/2016/12/tost-equivalence-testing-r-package.html](http://daniellakens.blogspot.com/2016/12/tost-equivalence-testing-r-package.html)

Lakens, D. (2017). Equivalence tests: A practical primer for *t* tests, correlations, and meta-analyses. *Social psychological and personality science*, *8*(4), 355-362. [https://doi.org/](https://doi.org/10.3389/fpsyg.2013.00863)[10.1177/1948550617697177](https://doi.org/10.1177%2F1948550617697177)

Lakens, D., Scheel, A. M., & Isager, P. M. (2018). Equivalence testing for psychological research: A tutorial. *Advances in Methods and Practices in Psychological Science*, *1*(2), 259-269. [https://doi.org/10.1177/2515245918770963](https://doi.org/10.1177%2F2515245918770963)

Lane, D. (2016). The assumption of sphericity in repeated-measures designs: What it means and what to do when it is violated. *Quantitative Methods for Psychology*, *12*(2), 114-122. https://doi.org/[10.20982/tqmp.12.2.p114](https://doi.org/10.20982/tqmp.12.2.p114)

McCall, R. B., & Appelbaum, M. I. (1973). Bias in the analysis of repeated-measures designs: Some alternative approaches. *Child Development*, *44*(3), 401-415. https://doi.org/10.2307/1127993

Meyners, M. (2012). Equivalence tests–A review. *Food Quality and Preference*, *26*(2), 231-245. <https://doi.org/10.1016/j.foodqual.2012.05.003>

Micceri, T. (1989). The unicorn, the normal curve, and other improbable creatures. *Psychological Bulletin*, *105*(1), 156-166. [https://doi.org/10.1037/0033-2909.105.1.156](https://psycnet.apa.org/doi/10.1037/0033-2909.105.1.156)

Mills, L., Abdulla, E., & Cribbie, R. (2010). Quantitative methodology research: Is it on psychologists’ reading lists? *Tutorials in Quantitative Methods for Psychology, 6*(2), 52-60. https://doi.org/10.20982/tqmp.06.1.p052

Newman, I., Fraas, J. W., & Herbert, A. (2001). Testing Non-Nil Null Hypotheses with t Tests of Group Means: A Monte Carlo Study.

Nickerson, R. S. (2000). Null hypothesis significance testing: a review of an old and continuing controversy. *Psychological Methods*, *5*(2), 241-301. https://doi.org/10.1037/1082-989x.5.2.241

Nunnally, J. (1960). The place of statistics in psychology. *Educational and Psychological Measurement*, *20*(4), 641-650. https://doi.org/[10.1177/001316446002000401](https://doi.org/10.1177/001316446002000401)

O’Brien, R. G., & Kaiser, M. K. (1985). MANOVA method for analyzing repeated measures designs: an extensive primer. *Psychological Bulletin*, *97*(2), 316-333. [https://doi.org/10.1037/0033-2909.97.2.316](https://psycnet.apa.org/doi/10.1037/0033-2909.97.2.316)

Osborne, J. W., & Christianson, W. R. (2001). Educational Psychology from a Statistician’s Perspective: A Review of the Quantitative Quality of Our Field.

Pek, J., & Flora, D. B. (2018). Reporting effect sizes in original psychological research: A discussion and tutorial. *Psychological Methods*, *23*(2), 208-225. http://dx.doi.org/10.1037/met0000126

Peng, C.-Y. J., & Chen, L.-T. (2014). Beyond Cohen’s *d*: Alternative effect size measures for between-subject designs. *The Journal of Experimental Education*, *82*(1), 22-50. https://doi.org/10.1080/00220973.2012.745471

Peng, C.-Y. J., Chen, L.-T., Chiang, H.-M., & Chiang, Y.-C. (2013). The impact of APA and AERA guidelines on effect size reporting. *Educational Psychology Review*, 25(2), 157-209. https://doi.org/10.1007/s10648-013-9218-2

Prentice, D. A., & Miller, D. T. (1992). When small effects are impressive. *Psychological Bulletin*, *112* (1), 160-164. https://doi.org/10.1037/0033-2909.112.1.160

Quertemont, E. (2011). How to statistically show the absence of an effect. *Psychologica Belgica*, *51*(2), 109-127.

Quintana, S. M., & Maxwell, S. E. (1994). A Monte Carlo comparison of seven *ε*-adjustment procedures in repeated measures designs with small sample sizes. *Journal of Educational Statistics*, *19*(1), 57-71. [https://doi.org/10.3102/10769986019001057](https://doi.org/10.3102%2F10769986019001057)

Rasch, D., Kubinger, K. D., & Moder, K. (2011). The two-sample *t* test: pre-testing its assumptions does not pay off. *Statistical papers*, *52*(1), 219-231. https://doi.org/10.3102/10.1007/s00362-009-0224-x

Raviv, E. (2014, 2 juin). Bias vs. Consistency. Repéré à [https://eranraviv.com/bias-vs-](https://eranraviv.com/bias-vs-consistency/) [consistency/](https://eranraviv.com/bias-vs-consistency/)

Rogers, J. L., Howard, K. I., & Vessey, J. T. (1993). Using significance tests to evaluate equivalence between two experimental groups. *Psychological Bulletin*, *113*(3), 553-565. [https://doi.org/10.1037/0033-2909.113.3.553](https://psycnet.apa.org/doi/10.1037/0033-2909.113.3.553)

Ruxton, G. D. (2006). The unequal variance *t*-test is an underused alternative to Student’s *t*-test and the Mann–Whitney *U* test. *Behavioral Ecology*, *17*(4), 688-690. <https://doi.org/10.1093/beheco/ark016>

Schuirmann, D. J. (1987). A comparison of the two one-sided tests procedure and the power approach for assessing the equivalence of average bioavailability. *Journal of Pharmacokinetics and Biopharmaceutics*, *15*(6), 657-680.

Seaman, M. A., & Serlin, R. C. (1998). Equivalence confidence intervals for two-group comparisons of means. *Psychological Methods*, *3*(4), 403-411. [https://doi.org/10.1037/1082-989X.3.4.403](https://psycnet.apa.org/doi/10.1037/1082-989X.3.4.403)

Shieh, G. (2013). Confidence intervals and sample size calculations for the standardized mean difference effect size between two normal populations under heteroscedasticity. *Behavior Research Methods*, *45*(4), 955-967. https://doi.org/10.3758/s13428-013-0320-7

Simonsohn, U., Nelson, L. D., & Simmons, J. P. (2014). P-curve: a key to the file-drawer. *Journal of Experimental Psychology: General*, *143*(2), 534-547. [https://doi.org/10.1037/a0033242](https://psycnet.apa.org/doi/10.1037/a0033242)

Stout, D. E., & Ruble, T. L. (1995). Assessing the practical significance of empirical results in accounting education research: The use of effect size information. *Journal of Accounting Education*, *13*(3), 281-298. <https://doi.org/10.1016/0748-5751(95)00010-J>

Subedi, B. P. (2016). Using Likert type data in social science research: Confusion, issues and challenges. *International journal of contemporary applied sciences*, *3*(2), 36-49.

Sullivan, G. M., & Feinn, R. (2012). Using effect size—or why the *P* value is not enough. *Journal of Graduate Medical Education*, *4*(3), 279-282. <https://doi.org/10.4300/JGME-D-12-00156.1>

Thompson, B., & Snyder, P. A. (1997). Statistical significance testing practices in the Journal of Experimental Education. *The Journal of Experimental Education*, *66*(1), 75-83. <https://doi.org/10.1080/00220979709601396>

Tomczak, M., & Tomczak, E. (2014). The need to report effect size estimates revisited. An overview of some recommended measures of effect size. *Trends in Sport Sciences*, *21*(1), 19-25.

Vasey, M. W., & Thayer, J. F. (1987). The continuing problem of false positives in repeated measures ANOVA in psychophysiology: A multivariate solution. *Psychophysiology*, *24*(4), 479-486. <https://doi.org/10.1111/j.1469-8986.1987.tb00324.x>

Wackerly, D. D., Mendenhall, W., & Scheaffer, R. L. (2008). *Mathematical Statistics with Applications (7th Edition)*. Belmont, USA: Brooks/Cole, Cengage Learning.

Welch, B. L. (1938). The significance of the difference between two means when the population variances are unequal. *Biometrika*, *29*(3), 350-362. https://doi.org/10.2307/2332010

Wilcox, R. R. (1994). Some results on the Tukey-McLaughlin and Yuen methods for trimmed means when distributions are skewed. *Biometrical Journal*, *36*(3), 259-273. <https://doi.org/10.1002/bimj.4710360302>

Wilcox, R. R. (1998). How many discoveries have been lost by ignoring modern statistical methods? *American Psychologist*, *53*(3), 300-314. [https://doi.org/10.1037/0003-066X.53.3.300](https://psycnet.apa.org/doi/10.1037/0003-066X.53.3.300)

Wilcox, R. R. (2011). *Introduction to robust estimation and hypothesis testing*. (S.l.): Academic press.

Wilcox, R. R. (2017). *Modern statistics for the social and behavioral sciences: A practical introduction*. (S.l.): Chapman; Hall/CRC.

Wilkinson, L. (1999). Statistical methods in psychology journals: Guidelines and explanations. *American Psychologist*, *54*(8), 594-604. [https://doi.org/10.1037/0003-066X.54.8.594](https://psycnet.apa.org/doi/10.1037/0003-066X.54.8.594)

Yuan, K.-H., Bentler, P. M., & Chan, W. (2004). Structural equation modeling with heavy tailed distributions. *Psychometrika*, *69*(3), 421-436.

Zimmerman, D. W. (2004). A note on preliminary tests of equality of variances. *British Journal of Mathematical and Statistical Psychology*, *57*(1), 173-181. <https://doi.org/10.1348/000711004849222>