References

Acton, G. S. and Revelle, W. (2002). Interpersonal personality measures show circumplex structure based on new psychometric criteria. *Journal of Personality Assessment*, 79(3):446–471.

Acton, G. S. and Revelle, W. (2004). Evaluation of ten psychometric criteria for circumplex structure. *Methods of Psychological Research*, 9(1):1–27.

Adams, D. (1980). *The hitchhiker's guide to the galaxy*. Harmony Books, New York, 1st american edition.

Aiken, L. S. and West, S. G. (1991). *Multiple regression testing and interpretation*. Sage Publications, Inc.

Aldenderfer, M. S. and Blashfield, R. K. (1984). *Cluster analysis*, volume no. 07-044. Sage Publications, Beverly Hills.

Aldrich, J. (1995). Correlations genuine and spurious in Pearson and Yule. *Statistical Science*, 10(4):364–376.

Allport, G. W., Vernon, P., and Lindzey, G. (1960). *Study of values. A scale for measuring dominant interests in personality*. Houghton Mifflin, Boston, 3rd edition.

Anderson, T. W. (1963). Asymptotic theory for principal component analysis. *The Annals of Mathematical Statistics*, 34(1):122–148.

Anscombe, F. J. (1973). Graphs in statistical analysis. *The American Statistician*, 27(1):17–21.

Avery, C., Glickman, M., Hoxby, C., and Metrick, A. (2004). A revealed preference ranking of u.s. colleges and universities. NBER Working Papers 10803, National Bureau of Economic Research, Inc.

Backus, J. (1998). The history of Fortran I, II, and III. *IEEE Annals of the History of Computing*, 20(4):68–78.

Baehr, E. K., Revelle, W., and Eastman, C. I. (2000 Jun). Individual differences in the phase and amplitude of the human circadian temperature rhythm: with an emphasis on morningness-eveningness. *J Sleep Res*, 9(2):117–127.

Barrett, P. (2005). What if there were no psychometrics?: Constructs, complexity, and measurement. *Journal of Personality Assessment*, 85(2):134–140.

Bartlett, M. S. (1950). Tests of significance in factor analysis. *British Journal of Mathematical and Statistical Psychology*, 3:77–85.

Bartlett, M. S. (1951). The effect of standardization on a χ^2 approximation in factor analysis. *Biometrika*, 38(3/4):337–344.

Becker, B. J. (2003). Introduction to the special section on metric in meta-analysis. *Psychological Methods*, 8(4):403–405.

Bentler, P. (1977). Factor simplicity index and transformations. *Psychometrika*, 42(2):277–295.

Bentler, P. and Woodward, J. (1980). Inequalities among lower bounds to reliability: With applications to test construction and factor analysis. *Psychometrika*, 45(2):249–267.

Bentler, P. M. (1995). *EQS structural equations program manual*. Multivariate Software, Inc., Encino, CA.

Bernoulli, D. (1954/1738). Exposition of a new theory on the measurement of risk ("Specimen theoriae novae de mensura sortis," Commentarii Academiae Scientiarum Imperialis Petropolitanae 5, St. Petersburg 175-92.) translated by Louise C. Sommer. *Econometrica*, 22(1):23–36.

Bickel, P. J., Hammel, E. A., and O'Connell, J. W. (1975). Sex bias in graduate admissions: Data from Berkeley. *Science*, 187(4175):398–404.

Blashfield, R. K. (1980). The growth of cluster analysis: Tryon, ward, and johnson. *Multivariate Behavioral Research*, 15(4):439 – 458.

Blashfield, R. K. and Aldenderfer, M. S. (1988). The methods and problems of cluster analysis. In Nesselroade, J. R. and Cattell, R. B., editors, *Handbook of multivariate experimental psychology (2nd ed.)*, pages 447–473. Plenum Press, New York, NY.

Bock, R. D. (2007). Rethinking thurstone. In Cudeck, R. and MacCallum, R. C., editors, *Factor analysis at 100: Historical developments and future directions*, pages 35–45. Lawrence Erlbaum Associates Publishers, Mahwah, NJ.

Bogardus, E. S. (1925). Measuring social distances. *Journal of Applied Sociology*, pages 299–308.

Borg, I. and Groenen, P. J. F. (2005). *Modern multidimensional scaling : theory and applications*. Springer, New York, 2nd ed edition.

Borsboom, D. and Mellenbergh, G. J. (2004). Why psychometrics is not pathological. *Theory & Psychology*, 14(1):105–120.

Box, G. E. P. (1949). A general distribution theory for a class of likelihood criteria. *Biometrika*, 36(3/4):317–346.

Bradley, R. A. and Terry, M. E. (1952). Rank analysis of incomplete block designs: I. the method of paired comparisons. *Biometrika*, 39(3/4):324–345.

Brown, W. (1910). Some experimental results in the correlation of mental abilities. *British Journal of Psychology*, 3(3):296–322.

Browne, M. W. (1992). Circumplex models for correlation matrices. *Psychometrika*, 57(4):469–497.

Buss, D. M. and Schmitt, D. P. (1993). Sexual strategies theory: An evolutionary perspective on human mating. *Psychological Review*, 100(2):204–232.

Carroll, J. (1953). An analytical solution for approximating simple structure in factor analysis. *Psychometrika*, 18(1):23–38.

Carroll, J. B. (1957). Biquartimin criterion for rotation to oblique simple structure in factor analysis. *Science*, 126(3283):1114–1115.

Carroll, J. B. (1993). *Human cognitive abilities: A survey of factor-analytic studies*. A survey of factor-analytic studies ix, 819 pp New York, NY, US: Cambridge University Press, Human cognitive abilities.

Carroll, J. D. and Arabie, P. (1980). Multidimensional scaling. *Annual Review of Psychology*, 31:607–649.

Cattell, R. B. (1945). Psychological measurement: normative, ipsative, interactive. *Psychological Review*, 51:292–303.

Cattell, R. B. (1965). A biometrics invited paper. factor analysis: An introduction to essentials i. the purpose and underlying models. *Biometrics*, 21(1):190–215.

Cattell, R. B. (1966a). The data box: Its ordering of total resources in terms of possible relational systems. In Cattell, R. B., editor, *Handbook of multivariate experimental psychology*, pages 67–128. Rand-McNally, Chicago.

Cattell, R. B. (1966b). *The scientific analysis of personality*. Aldine Pub. Co., Chicago,.

Cattell, R. B. (1966c). The scree test for the number of factors. *Multivariate Behavioral Research*, 1(2):245–276.

Cattell, R. B. (1978). *The scientific use of factor analysis*. Plenum Press, New York.

Chernyshenko, O. S., Stark, S., Drasgow, F., and Roberts, B. W. (2007). Constructing personality scales under the assumptions of an ideal point response process: Toward increasing the flexibility of personality measures. *Psychological Assessment*, 19(1):88–106.

Cohen, J. (1960). A coefficient of agreement for nominal scales. *Educational and Psychological Measurement*, 20(37-46).

Cohen, J. (1968). Weighted kappa: Nominal scale agreement provision for scaled disagreement or partial credit. *Psychological Bulletin*, 70(4):213–220.

Cohen, J. (1988). *Statistical power analysis for the behavioral sciences*. L. Erlbaum Associates, Hillsdale, N.J., 2nd ed edition.

Cohen, J., Cohen, P., West, S. G., and Aiken, L. S. (2003). *Applied multiple regression/correlation analysis for the behavioral sciences*. L. Erlbaum Associates, Mahwah, N.J., 3rd ed edition.

Conte, H. R. and Plutchik, R. (1981). A circumplex model for interpersonal personality traits. *Journal of Personality and Social Psychology*, 40(4):701–711.

Cooksey, R. and Soutar, G. (2006). Coefficient beta and hierarchical item clustering - an analytical procedure for establishing and displaying the dimensionality and homogeneity of summated scales. *Organizational Research Methods*, 9:78–98.

Coombs, C. (1964). *A Theory of Data*. John Wiley, New York.

Cronbach, L. (1957). The two disciplines of scientific psychology. *American Psychologist*, 12:671–684.

Cronbach, L. (1975). Beyond the two disciplines of scientific psychology. *American Psychologist*, 30:116–127.

Cronbach, L. J. (1951). Coefficient alpha and the internal structure of tests. *Psychometrika*, 16:297–334.

Cronbach, L. J. (1988). Internal consistency of tests: Analyses old and new. *Psychometrika*, 53(1):63–70.

Cronbach, L. J. and Shavelson, R. J. (2004). My current thoughts on coefficient alpha and successor procedures. *Educational and Psychological Measurement*, 64(3):391–418.

Dalgaard, P. (2002). *Introductory statistics with R*. Springer, New York.

Dawes, R. M. (1979). The robust beauty of improper linear models in decision making. *American Psychologist*, 34(7):571–582.

Dawes, R. M. and Corrigan, B. (1974). Linear models in decision making. *Psychological Bulletin*, 81(2):95–106.

De Leeuw, J. (1983). Models and methods for the analysis of correlation coefficients. *Journal of Econometrics*, 22(1-2):113–137.

de Leeuw, J. (2005). Multidimensional unfolding. In Everitt, B. and Howell, D. C., editors, *Encyclopedia of statistics in behavioral science*. Wiley, New York.

Degner, L., Davison, B., Sloan, J., and Mueller, B. (1998). Development of a scale to measure information needs in cancer care. *Journal of Nursing Measurement*, 6(2):137–153.

Dunlap, W. P. and Cornwell, J. M. (1994). Factor analysis of ipsative measures. *Multivariate Behavioral Research*, 29(1):115–126.

Eckart, C. and Young, G. (1936). The approximation of one matrix by another of lower rank. *Psychometrika*, 1(3):211–218.

Embretson, S. E. and Hershberger, S. L. (1999). *The new rules of measurement : what every psychologist and educator should know*. L. Erlbaum Associates, Mahwah, N.J.

Everitt, B. (1974). *Cluster analysis*. John Wiley & Sons, Cluster analysis. 122 pp. Oxford, England.

Eysenck, H. J. (1953). *Uses and abuses of psychology*. Penguin Books, London, Baltimore,.

Eysenck, H. J. (1964). *Sense and nonsense in psychology*. Penguin Books, Baltimore.

Eysenck, H. J. (1965). *Fact and fiction in psychology*. Penguin Books, Baltimore,.

Eysenck, H. J. (1966). Personality and experimental psychology. *Bulletin of the British Psychological Society*, 19:1–28.

Eysenck, H. J. (1997). Personality and experimental psychology: The unification of psychology and the possibility of a paradigm. *Journal of Personality and Social Psychology*, 73(6):1224–1237.

Fechner, G. T., Marshall, M. E., Wundt, W., Bringmann, W., and et al. (1997). The founding of scientific psychology: Gustav Fechner and Wilhelm Wundt. In Benjamin, Ludy T., J., editor, *A history of psychology: Original sources and contemporary research (2nd ed.)*, pages 120–167. Mcgraw-Hill Book Company, New York, NY, England.

Ferguson, G. (1954). The concept of parsimony in factor analysis. *Psychometrika*, 19(4):281–290.

Finkel, E. J., Eastwick, P. W., and Matthews, J. (2007). Speed dating as an invaluable tool for studying romantic attraction: A methological primer. *Personal Relationships*, 14:149–166.

Fisher, R. A. (1921). On the "probable error" of a coefficient of correlation deduced from a small sample. *Metron*, 1:3–32.

Fleiss, J. (1993). Review papers : The statistical basis of meta-analysis. *Statistical Methods in Medical Research*, 2(2):121–145.

Fleiss, J. L., Cohen, J., and Everitt, B. S. (1969). Large sample standard errors of kappa and weighted kappa. *Psychological Bulletin*, 72(332-327).

Fox, J. (2006). Structural equation modeling with the sem package in r. *Structural Equation Modeling*, 13:465–486.

Fox, J. (2008). *Applied regression analysis and generalized linear models*. Sage Publications, Inc.

Galton, F. (1865). Hereditary talent and character. *Macmillan's Magazine*, 12:157–166.

Galton, F. (1874). On a proposed statistical scale (letter to the editor). *Nature*, 9:342–343.

Galton, F. (1877). Typical laws of heredity in man.

Galton, F. (1879). Psychometric experiments. *Brain*, 2:149–162.

Galton, F. (1884). Measurement of character. *Fortnightly Review*, 36:179–185.

Galton, F. (1886). Regression towards mediocrity in hereditary stature. *Journal of the Anthropological Institute of Great Britain and Ireland*, 15:246–263.

Galton, F. (1888). Co-relations and their measurement. *Proceedings of the Royal Society. London Series*, 45:135–145.

Galton, F. (1889). *Natural Inheritance*. Macmillan, London.

Galton, F. (1899). A geometric determination of the median value of a system of normal variants, from two of its centiles. *Nature*, 61(1570):102–104.

Galton, F. (1908). *Memories of my life*. Metheun, London.

Gilchrist, W. (2005). Galton misrepresented. *Significance*, 2(3):136–137.

Green, P. E., Carmone, F. J., and Smith, S. M. (1989). *Multidimensional scaling : concepts and applications*. Allyn and Bacon, Boston, MA.

Grucza, R. A. and Goldberg, L. R. (2007). The comparative validity of 11 modern personality inventories: predictions of behavioral act, informant reports, and clinical indicators. *Journal of Personality Assessment*, 89(2):167–187.

Guilford, J. P. (1954). *Psychometric Methods*. McGraw-Hill, New York, 2nd edition.

Gurtman, M. B. (1993). Constructing personality tests to meet a structural criterion: Application of the interpersonal circumplex. *Journal of Personality*, 61(2):237–263.

Gurtman, M. B. (1994). The circumplex as a tool for studying normal and abnormal personality: A methodological primer. In Strack, S. and Lorr, M., editors, *Differentiating normal and abnormal personality*, pages 243–263. Springer Publishing Co, New York, NY.

Gurtman, M. B. (1997). Studying personality traits: The circular way. In Plutchik, R. and Conte, H. R., editors, *Circumplex models of personality and emotions*, pages 81–102. American Psychological Association, Washington, DC.

Gurtman, M. B. and Pincus, A. L. (2003). The circumplex model: Methods and research applications. In Schinka, J. A. and Velicer, W. F., editors, *Handbook of psychology: Research methods in psychology, Vol. 2*, pages 407–428. John Wiley & Sons Inc, Hoboken, NJ.

Guttman, L. (1940). Multiple rectilinear prediction and the resolution into components. *Psychometrika*, 5(2):75–99.

Guttman, L. (1945). A basis for analyzing test-retest reliability. *Psychometrika*, 10(4):255–282.

Guttman, L. (1950). The principal components of scale analysis. In Stouffer, S., Guttman, L., Suchman, E., Lazarsfeld, P., Star, S., and Clausen, J., editors, *Measurement and Prediction*, pages 312–361. Wiley, New York.

Guttman, L. (1954). A new approach to factor analysis: The radex. In Lazarsfeld, P. F., editor, *Mathematical thinking in the social sciences*, pages 258–348. Columbia University Press.

Harman, H. H. (1960). *Modern factor analysis*. University of Chicago Press.

Harman, H. H. (1976). *Modern factor analysis*. University of Chicago Press, Chicago, 3d ed., rev edition.

Harris, C. (1978). Note on the squared multiple correlation as a lower bound to communality. *Psychometrika*, 43(2):283–284.

Hartigan, J. A. (1975). *Clustering Algorithms*. John Wiley & Sons, Inc., New York, NY, USA.

Hartigan, J. A. and Wong, M. A. (1979). Algorithm as 136: A k-means clustering algorithm. *Applied Statistics*, 28(1):100–108.

Hedges, L. V. and Olkin, I. (1985). *Statistical methods for meta-analysis*. Academic Press, Orlando.

Hendrickson, A. E. and White, P. O. (1964). Promax: A quick method for rotation to oblique simple structure. *British Journal of Statistical Psychology*, 17(65-70).

Henry, D. B., Tolan, P. H., and Gorman-Smith, D. (2005). Cluster analysis in family psychology research. *Journal of Family Psychology*, 19(1):121–132.

Heron, D. (1911). The danger of certain formulae suggested as substitutes for the correlation coefficient. *Biometrika*, 8(1):109–122.

Heywood, H. B. (1931). On finite sequences of real numbers. *Proceedings of the Royal Society of London. Series A, Containing Papers of a Mathematical and Physical Character*, 134(824):486–501.

Hinz, A., Brahler, E., Schmidt, P., and Albani, C. (2005). Investigating the circumplex structure of the portrait values questionnaire (pvq). *Journal of Individual Differences*, 26(4):185–193.

Hofstee, W. K., de Raad, B., and Goldberg, L. R. (1992a). Integration of the big five and circumplex approaches to trait structure. *Journal of Personality and Social Psychology*, 63(1):146–163.

Hofstee, W. K., de Raad, B., and Goldberg, L. R. (1992b). Integration of the big five and circumplex approaches to trait structure. *Journal of Personality and Social Psychology*, 63(1):146–163.

Holmes, P. (2001). Correlation: from picture to formula. *Teaching Statistics*, 23(3):67–71.

Holzinger, K. (1944). A simple method of factor analysis. *Psychometrika*, 9(4):257–262.

Horn, J. L. and Engstrom, R. (1979). Cattell's scree test in relation to bartlett's chi-square test and other observations on the number of factors problem. *Multivariate Behavioral Research*, 14(3):283–300.

Householder, A. S. and Young, G. (1938). Matrix approximation and latent roots. *The American Mathematical Monthly*, 45(3):165–171.

Humphreys, L. G. and Montanelli, R. G. (1975). An investigation of the parallel analysis criterion for determining the number of common factors. *Multivariate Behavioral Research*, 10(2):193–205.

Jackson, P. and Agunwamba, C. (1977). Lower bounds for the reliability of the total score on a test composed of non-homogeneous items: I: Algebraic lower bounds. *Psychometrika*, 42(4):567–578.

Jammalamadaka, S. and Lund, U. (2006). The effect of wind direction on ozone levels: a case study. *Environmental and Ecological Statistics*, 13(3):287–298.

Jennrich, R. (2001). A simple general procedure for orthogonal rotation. *Psychometrika*, 66(2):289–306.

Jennrich, R. (2002). A simple general method for oblique rotation. *Psychometrika*, 67(1):7–19.

Jennrich, R. (2004). Derivative free gradient projection algorithms for rotation. *Psychometrika*, 69(3):475–480.

Jennrich, R. I. (1970). An asymptotic χ^2 test for the equality of two correlation matrices. *Journal of the American Statistical Association*, 65(330):904–912.

Jensen, A. R. and Weng, L.-J. (1994). What is a good g? *Intelligence*, 18(3):231–258.

Johnson, S. (1967). Hierarchical clustering schemes. *Psychometrika*, 32(3):241–254.

Jöreskog, K. (1978). Structural analysis of covariance and correlation matrices. *Psychometrika*, 43(4):443–477.

Jöreskog, K. G. and Sörbom, D. (1999). *LISREL 8: Structural equation modeling with the SIMPLIS command language.* Scientific Software International, Lincolnwood.

Judd, C. M. and McClelland, G. H. (1989). *Data analysis : a model-comparison approach.* Harcourt Brace Jovanovich, San Diego.

Kaiser, H. (1958). The varimax criterion for analytic rotation in factor analysis. *Psychometrika*, 23(3):187–200.

Kaiser, H. F. (1970). A second generation little jiffy. *Psychometrika*, 35(4):401–415.

Kiers, H. (1994). Simplimax: Oblique rotation to an optimal target with simple structure. *Psychometrika*, 59(4):567–579.

Koenker, R. (2007). *quantreg: Quantile Regression*. R package version 4.10.

Kruskal, J. (1964). Nonmetric multidimensional scaling: A numerical method. *Psychometrika*, 29(2):115–129.

Kruskal, J. B. and Wish, M. (1978). *Multidimensional scaling*. Sage Publications, Beverly Hills, Calif.

Larsen, R. J. and Diener, E. (1992). Promises and problems with the circumplex model of emotion. In Clark, M. S., editor, *Emotion*, pages 25–59. Sage Publications, Inc, Thousand Oaks, CA.

Lawley, D. N. and Maxwell, A. E. (1962). Factor analysis as a statistical method. *The Statistician*, 12(3):209–229.

Lawley, D. N. and Maxwell, A. E. (1963). *Factor analysis as a statistical method*. Butterworths, London.

Leisch, F. and Rossini, A. (2003). Reproducibile statistical research. *Chance*, 16(2):46–50.

Loehlin, J. C. (1990). Component analysis versus common factor analysis: A case of disputed authorship. *Multivariate Behavioral Research*, 25(1):29–31.

Loehlin, J. C. (2004). *Latent variable models: an introduction to factor, path, and structural equation analysis*. L. Erlbaum Associates, Mahwah, N.J., 4th ed edition.

Loevinger, J., Gleser, G., and DuBois, P. (1953). Maximizing the discriminating power of a multiple-score test. *Psychometrika*, 18(4):309–317.

Lord, F. M. (1955). Sampling fluctuations resulting from the sampling of test items. *Psychometrika*, 20(1):1–22.

Lord, F. M. and Novick, M. R. (1968). *Statistical theories of mental test scores*. The Addison-Wesley series in behavioral science: quantitative methods. Addison-Wesley Pub. Co, Reading, Mass.

Lorenzo-Seva, U. (2003). A factor simplicity index. *Psychometrika*, 68(1):49–60.

Luce, R. D. (1977). The choice axiom after twenty years. *Journal of Mathematical Psychology*, 15(3):215–233.

MacCallum, R. C., Browne, M. W., and Cai, L. (2007). Factor analysis models as approximations. In Cudeck, R. and MacCallum, R. C., editors, *Factor analysis at 100: Historical developments and future directions*, pages 153–175. Lawrence Erlbaum Associates Publishers, Mahwah, NJ.

MacCallum, R. C. and Tucker, L. R. (1991). Representing sources of error in the common-factor model: Implications for theory and practice. *Psychological Bulletin*, 109(3):502–511.

MacCallum, R. C., Widaman, K. F., Preacher, K. J., and Hong, S. (2001). Sample size in factor analysis: The role of model error. *Multivariate Behavioral Research*, 36(4):611–637.

MacCallum, R. C., Widaman, K. F., Zhang, S., and Hong, S. (1999). Sample size in factor analysis. *Psychological Methods*, 4(1):84–99.

MacKenzie, D. (1978). Statistical theory and social interests: A case-study. *Social Studies of Science*, 8(1):35–83.

Martinent, G. and Ferrand, C. (2007). A cluster analysis of precompetitive anxiety: Relationship with perfectionism and trait anxiety. *Personality and Individual Differences*, 43(7):1676–1686.

McArdle, J. J. (1990). Principles versus principals of structural factor analyses. *Multivariate Behavioral Research*, 25(1):81–87.

McDonald, R. P. (1978). Generalizability in factorable domains: "domain validity and generalizability": 1. *Educational and Psychological Measurement*, 38(1):75–79.

McDonald, R. P. (1999). *Test theory: A unified treatment*. L. Erlbaum Associates, Mahwah, N.J.

McNemar, Q. (1946). Opinion-attitude methodology. *Psychological Bulletin*, 43(4):289–374.
Michell, J. (1997). Quantitative science and the definition of measurement in psychology. *British Journal of Psychology*, 88(3):355–383.
Mokken, R. J. (1971). *A theory and procedure of scale analysis with applications in political research*. Mouton, The Hague,.
Mokken, R. J. and Lewis, C. (1982). A nonparameteric approach to the analysis of dichotomous item responses. *Applied Psychological Measurement*, 6(4):417–430.
Mokken, R. J., Lewis, C., and Sijtsma, K. (1986). Rejoinder to "the Mokken scale: A critical discussion.". *Applied Psychological Measurement*, 10(3):279–285.
Montanelli, R. G. and Humphreys, L. G. (1976). Latent roots of random data correlation matrices with squared multiple correlations on the diagonal: A monte carlo study. *Psychometrika*, 41(3):341–348.
Mun, E. Y., von Eye, A., Bates, M. E., and Vaschillo, E. G. (2008). Finding groups using model-based cluster analysis: Heterogeneous emotional self-regulatory processes and heavy alcohol use risk. *Developmental Psychology*, 44(2):481–495.
Munk, W. and Day, D. (2004). Ivy-mike. *Oceanography*, 17(2):96–105.
Muthén, L. and Muthén, B. (2007). *Mplus User's Guide*. Muthén & Muthén, Los Angeles, CA, fifth edition edition.
Neale, M. C. (1994). *Mx: Statistical Modeling*. Department of Psychiatry, Box 710 MCV, Richmond, VA.
Neuhaus, J. and Wrigley, C. (1954). The quartimax method: an analytical approach to orthogonal simple structure. *British Journal of Statistical Psychology*, 7:81–91.
Nunnally, J. C. (1967). *Psychometric theory*. McGraw-Hill, New York,.
Olkin, I. and Finn, J. D. (1990). Testing correlated correlations. *Psychological Bulletin*, 108(2):330–333.
Olkin, I. and Finn, J. D. (1995). Correlations redux. *Psychological Bulletin*, 118(1):155–164.
Ozer, D. J. (1993). Classical psychophysics and the assessment of agreement and accuracy in judgments of personality. *Journal of Personality*, 61(4):739–767.
Pearson, K. (1900). Mathematical contributions to the theory of evolution. vii. on the correlation of characters not quantitatively measurable. *Philosophical Transactions of the Royal Society of London. Series A, Containing Papers of a Mathematical or Physical Character*, 195:1–405.
Pearson, K. (1910). *The grammar of science*. Black, 3rd edition.
Pearson, K. and Heron, D. (1913). On theories of association. *Biometrika*, 9(1/2):159–315.
Pearson, K. P. (1895). Note on regression and inheritance in the case of two parents. *Proceedings of the Royal Society. London Series*, LVIII:240–242.
Pearson, K. P. (1896). Mathematical contributions to the theory of evolution. iii. regression, heredity, and panmixia. *Philisopical Transactions of the Royal Society of London. Series A*, 187:254–318.
Pearson, K. P. (1905). "das fehlergesetz und seine verallgemeinerungen durch fechner und pearson." a rejoinder. *Biometrika*, 4:169–212.
Pearson, K. P. (1920). Notes on the history of correlation. *Biometrika*, 13(1):25–45.
Pearson, K. P. (1923). Notes on skew frequency surfaces. *Biometrika*, 15(3/4):222–230.
Preacher, K. J. and MacCallum, R. C. (2003). Repairing tom swift's electric factor analysis machine. *Understanding Statistics*, 2(1):13–43.
R Development Core Team (2008). *R: A Language and Environment for Statistical Computing*. R Foundation for Statistical Computing, Vienna, Austria. ISBN 3-900051-07-0.

Rafaeli, E. and Revelle, W. (2006). A premature consensus: Are happiness and sadness truly opposite affects? *Motivation and Emotion*, 30(1):1–12.

Rafaeli, E., Rogers, G. M., and Revelle, W. (2007). Affective synchrony: Individual differences in mixed emotions. *Personality and Social Psychology Bulletin*, 33(7):915–932.

Ratcliff, R. (1993). Methods for dealing with reaction time outliers. *Psychological Bulletin*, 114(3):510–532.

Raykov, T. and Shrout, P. E. (2002). Reliability of scales with general structure: Point and interval estimation using a structural equation modeling approach. *Structural Equation Modeling*, 9(2):195 – 212.

Revelle, W. (1979). Hierarchical cluster-analysis and the internal structure of tests. *Multivariate Behavioral Research*, 14(1):57–74.

Revelle, W. (2007). Experimental approaches to the study of personality. In Robins, R., Fraley, R. C., and Krueger, R. F., editors, *Handbook of research methods in personality psychology.*, pages 37–61. Guilford, New York.

Revelle, W. (2008). *psych: Procedures for Personality and Psychological Research*. R package version 1.0-58.

Revelle, W. and Oehleberg, K. (2008). Integrating experimental and observational personality research – the contributions of Hans Eysenck. *Journal of Personality*.

Revelle, W. and Rocklin, T. (1979). Very simple structure - alternative procedure for estimating the optimal number of interpretable factors. *Multivariate Behavioral Research*, 14(4):403–414.

Revelle, W. and Wilt, J. (2008). Testing the difference between two matrices: an alternative procedure. (in preparation).

Roff, M. (1936). Some properties of the communality in multiple factor theory. *Psychometrika*, 1(2):1–6.

Rogers, W. A. (1869). On the variability of personal equation in transit observations: :does the personal equation vary from any cause? absolute personal equation. rogers. relative personal equation. i. does the personal equation vary between a normal and an abnormal position of the body during observation? ii. does a change of temperature affect the personal equation? iii. does an exhausted state of the system produce a variation of the personal equation? iv. does hunger affect the value of the personal equation? v. does the mental state of the observer have any influence on the personal equation? ii. does a change in the character of the illumination of the wires affect the personal equation? ii2. does the personal equation vary between a natural and an artificial illumination of the wires? iii2. does the size of the stars observed affect the personal equation? iv2.–does a variation of the interval between the wires affect the personal equation? v.–does the shape of the stars observed affect the personal equation?. *American Journal of Science and Arts*, 47(141):297–308.

Roskam, E. E., Van den Wollenberg, A. L., and Jansen, P. G. (1986). The Mokken scale: A critical discussion. *Applied Psychological Measurement*, 10(3):265–277.

Rosnow, R. L., Rosenthal, R., and Rubin, D. B. (2000). Contrasts and correlations in effect-size estimation. *Psychological Science*, 11(6):446–453.

Safford, T. H. (1898). A century of personal equations. *Science*, N.S. VIII(204):727–732.

Sanford, E. C. (1889). Personal equation. *The American Journal of Psychology*, 2(2):271–298.

Saucier, G. (1992). Benchmarks: Integrating affective and interpersonal circles with the big-five personality factors. *Journal of Personality and Social Psychology*, 62(6):1025–1035.

Schmid, J. J. and Leiman, J. M. (1957). The development of hierarchical factor solutions. *Psychometrika*, 22(1):83–90.

Schonemann, P. H. (1990). Facts, fictions, and common sense about factors and components. *Multivariate Behavioral Research*, 25(1):47–51.

Schonemann, P. H. and Steiger, J. H. (1978). On the validity of indeterminate factor scores. *Bulletin of the Psychonomic Society*, 12(4):287–290.

Shrout, P. E. and Fleiss, J. L. (1979). Intraclass correlations: Uses in assessing rater reliability. *Psychological Bulletin*, 86(2):420–428.

Sijtsma, K. (2008). On the use, the misuse, and the very limited usefulness of Cronbach's alpha. *Psychometrika*.

Simpson, E. H. (1951). The interpretation of interaction in contingency tables. *Journal of the Royal Statistical Society. Series B (Methodological)*, 13(2):238–241.

Sinn, H. W. (2003). Weber's law and the biological evolution of risk preferences: The selective dominance of the logarithmic utility function, 2002 geneva risk lecture. *Geneva Papers on Risk and Insurance Theory*, 28(2):87–100.

Sneath, P. H. A. and Sokal, R. R. (1973). *Numerical taxonomy: the principles and practice of numerical classification*. A Series of books in biology. W. H. Freeman, San Francisco.

Sokal, R. R. and Sneath, P. H. A. (1963). *Principles of numerical taxonomy*. A Series of books in biology. W. H. Freeman, San Francisco.

Spearman, C. (1904a). "general intelligence," objectively determined and measured. *American Journal of Psychology*, 15(2):201–292.

Spearman, C. (1904b). The proof and measurement of association between two things. *The American Journal of Psychology*, 15(1):72–101.

Spearman, C. (1907). Demonstrationof formulae for true measurement of correlation. *The American Journal of Psychology*, 18(2):161–169.

Spearman, C. (1910). Correlation calculated from faulty data. *British Journal of Psychology*, 3(3):271–295.

Steiger, J. H. (1980a). Comparison of two methods for testing linear hypotheses in tables of proportions. *Psychological Bulletin*, 88(3):772–775.

Steiger, J. H. (1980b). Testing pattern hypotheses on correlation matrices: Alternative statistics and some empirical results. *Multivariate Behavioral Research*, 15(3):335–352.

Steiger, J. H. (1980c). Tests for comparing elements of a correlation matrix. *Psychological Bulletin*, 87(2):245–251.

Steiger, J. H. (1990). Some additional thoughts on components, factors, and factor indeterminacy. *Multivariate Behavioral Research*, 25(1):41–45.

Stigler, S. M. (1986). *The history of statistics : the measurement of uncertainty before 1900*. Belknap Press of Harvard University Press, Cambridge, Mass.

Stigler, S. M. (1999). *Statistics on the table : the history of statistical concepts and methods*. Harvard University Press, Cambridge, Mass.

Student (1927). Errors of routine analysis. *Biometrika*, 19:151–164.

Ten Berge, J. M. F. and Hofstee, W. K. B. (1999). Coefficients alpha and reliabilities of unrotated and rotated components. *Psychometrika*, 64(1):83–90.

Ten Berge, J. M. F. and Socan, G. (2004). The greatest lower bound to the reliability of a test and the hypothesis of unidimensionality. *Psychometrika*, 69(4):613–625.

Ten Berge, J. M. F. and Zegers, F. E. (1978). A series of lower bounds to the reliability of a test. *Psychometrika*, 43(4):575–579.

Thayer, R. E. (1978). Toward a psychological theory of multidimensional activation (arousal). *Motivation and Emotion*, 2(1):1–34.

Thayer, R. E. (1989). *The biopsychology of mood and arousal*. Oxford University Press, The biopsychology of mood and arousal. xi, 234 pp. New York, NY.

Thomson, W. (1889-1891). *Popular lectures and address*. Macmilland and Company, London.

Thorburn, W. M. (1918). The myth of occam's razor. *Mind*, 27:345–353.

Thorndike, E. L. (1918). The nature, purposes, and general methods of measurements of educational products. In Whipple, G., editor, *The Seventeenth yearbook of the National Society for Study of Education.*, pages 16–24. Public School Publishing Co., Bloomington, Illinois.

Thurstone, L. L. (1927). A law of comparative judgments. *Psychological Review*, 34:273–286.

Thurstone, L. L. (1947). *Multiple-factor analysis: a development and expansion of The vectors of the mind*. The University of Chicago Press, Chicago, Ill.

Torgerson, W. S. (1958). *Theory and methods of scaling*. John Wiley and Sons, New York.

Tryon, R. (1957). Communality of a variable: Formulation by cluster analysis. *Psychometrika*, 22(3):241–260.

Tryon, R. C. (1935). A theory of psychological components–an alternative to "mathematical factors.". *Psychological Review*, 42(5):425–454.

Tryon, R. C. (1939). *Cluster analysis*. Edwards Brothers, Ann Arbor, Michigan.

Tukey, J. W. (1977). *Exploratory data analysis*. Addison-Wesley Pub. Co., Reading, Mass.

Underwood, B. J. (1975). Individual differences as a crucible in theory construction. *American Psychologist*, 30:128–134.

Vale, J. and Vale, C. (1969). Individual differences and general laws in psychology: a reconciliation. *American Psychologist*, 24:1093–1108.

Van Schuur, W. H. and Kruijtbosch, M. (1995). Measuring subjective well-being: Unfolding the bradburn affect balance scale. *Social Indicators Research*, 36(1):49–74.

Velicer, W. (1976). Determining the number of components from the matrix of partial correlations. *Psychometrika*, 41(3):321–327.

Velicer, W. F. and Jackson, D. N. (1990a). Component analysis versus common factor analysis: Some further observations. *Multivariate Behavioral Research*, 25(1):97–114.

Velicer, W. F. and Jackson, D. N. (1990b). Component analysis versus common factor analysis: Some issues in selecting an appropriate procedure. *Multivariate Behavioral Research*, 25(1):1–28.

Venables, W. N. and Ripley, B. D. (2002). *Modern Applied Statistics with S*. Springer, New York, fourth edition. ISBN 0-387-95457-0.

von Hippel, P. T. (2005). Mean, median, and skew: Correcting a textbook rule.

Wachsmuth, A. W., Leland, W., and E., D. G. (2003). Galton's bend: Apreviously undiscovered nonlinearity in galton's family stature regressiondata. *The American Statistician*, 57(190-192).

Wagner, C. H. (1982). Simpson's paradox in real life. *The American Statistician*, 36(1):46–48.

Wainer, H. (1976). Estimating coefficients in linear models: It don't make no nevermind. *Psychological Bulletin*, 83(2):213–217.

Wainer, H. and Thissen, D. (1979). On the Robustness of a Class of Naive Estimators. *Applied Psychological Measurement*, 3(4):543–551.

Waller, N. (2008). Fungible weights in multiple regression. *Psychometrika*.

Ward, Joe H., J. (1963). Hierarchical grouping to optimize an objective function. *Journal of the American Statistical Association*, 58(301):236–244.

Warner, W. L. (1960). *Social class in America: a manual of procedure for the measurement of social status*. Harper torchbooks, TB1013. The Academy library. Harper, New York.

Watson, D. and Tellegen, A. (1985). Toward a consensual structure of mood. *Psychological Bulletin*, 98(2):219–235.

Weber, E. H. (1834). *De pulsu, resorptione, auditu et tactu. Annotationes anatomicae et physiologicae*. Kohler, Leipzig.

Weber, E. H. (1834/1948). Concerning touch, 1834. In Dennis, W., editor, *Readings in the history of psychology*, pages 155–156. Appleton-Century-Crofts Appleton-Century-Crofts Print, East Norwalk, CT.

Wiggins, J. S. (1979). A psychological taxonomy of trait-descriptive terms: The interpersonal domain. *Journal of Personality and Social Psychology*, 37(3):395–412.

Wilcox, R. R. (1987). New designs in analysis of variance. *Annual Review of Psychology*, 38:29–60.

Wilcox, R. R. (2005). *Introduction to robust estimation and hypothesis testing*. Statistical modeling and decision science. Elsevier/Academic Press, Amsterdam ; Boston, 2nd edition.

Wilcox, R. R. and Keselman, H. J. (2003). Modern robust data analysis methods: Measures of central tendency. *Psychological Methods*, 8(3):254–274.

Wilks, S. (1938). Weighting systems for linear functions of correlated variables when there is no dependent variable. *Psychometrika*, 3(1):23–40.

Winter, D. G. and McClelland, D. C. (1978). Thematic analysis: An empirically derived measure of the effects of liberal arts education. *Journal of Educational Psychology*, 70(1):8–16.

Wirth, R. J. and Edwards, M. C. (2007). Item factor analysis: current approaches and future directions. *Psychological Methods*, 12(1):58–79.

Wittmann, W. W. and Matt, G. E. (1986). Aggregation and symmetry: Foundations of a multivariate reliability and validity theory demonstrated via the differential validity of the berlin model of intelligence. *Diagnostica*, 32(4):309–329.

Woodhouse, B. and Jackson, P. (1977). Lower bounds for the reliability of the total score on a test composed of non-homogeneous items: II: A search procedure to locate the greatest lower bound. *Psychometrika*, 42(4):579–591.

Wundt, W. (1874). *Grundzüge der physiologischen Psychologie (Principles of physiological psychology)*. Wilhelm Engelmann/Thoemmes Press, Leipzig/Bristol.

Yanai, H. and Ichikawa, M. (1990). New lower and upper bounds for communality in factor analysis. *Psychometrika*, 55(2):405–409.

Yule, G. U. (1900). On the association of attributes in statistics: With illustrations from the material of the childhood society, &c. *Philosophical Transactions of the Royal Society of London. Series A, Containing Papers of a Mathematical or Physical Character*, 194:257–319.

Yule, G. U. (1912). On the methods of measuring association between two attributes. *Journal of the Royal Statistical Society*, LXXV:579–652.

Yung, Y.-F., Thissen, D., and McLeod, L. D. (1999). On the relationship between the higher-order factor model and the hierarchical factor model. *Psychometrika*, 64(2):113–128.

Zinbarg, R. E., Revelle, W., and Yovel, I. (2007). Estimating ω_h for structures containing two group factors: Perils and prospects. *Applied Psychological Measurement*, 31(2):135–157.

Zinbarg, R. E., Revelle, W., Yovel, I., and Li, W. (2005). Cronbach's α, Revelle's β, and McDonald's ω_H): Their relations with each other and two alternative conceptualizations of reliability. *Psychometrika*, 70(1):123–133.

Zinbarg, R. E., Yovel, I., Revelle, W., and McDonald, R. P. (2006). Estimating generalizability to a latent variable common to all of a scale's indicators: A comparison of estimators for ω_h. *Applied Psychological Measurement*, 30(2):121–144.