

References

- Aberdein, J. and Spiegelhalter, D. (2013). Have London's roads become more dangerous for cyclists? *Significance*, 10(6), 46–48.
- Adler, D. and Murdoch, D. (2014). *rgl: 3D visualization device system (OpenGL)*. R package version 0.95.1201.
- Agresti, A. (1984). *Analysis of Ordinal Categorical Data*. New York: Wiley.
- Agresti, A. (1990). *Categorical Data Analysis*. New York: Wiley-Interscience.
- Agresti, A. (1996). *An Introduction to Categorical Data Analysis*. New York: Wiley Interscience.
- Agresti, A. (2002). *Categorical Data Analysis*. Wiley Series in Probability and Statistics. New York: Wiley-Interscience [John Wiley & Sons], 2nd edn.
- Agresti, A. (2007). *An Introduction to Categorical Data Analysis*. New York: Wiley, 2nd edn.
- Agresti, A. (2013). *Categorical Data Analysis*. Wiley Series in Probability and Statistics. New York: Wiley-Interscience [John Wiley & Sons], 3rd edn.
- Agresti, A. and Winner, L. (1997). Evaluating agreement and disagreement among movie reviewers. *Chance*, 10(2), 10–14.
- Aitchison, J. (1986). *The Statistical Analysis of Compositional Data*. London: Chapman and Hall.
- Akaike, H. (1973). Information theory and an extension of the maximum likelihood principle. In B. N. Petrov and F. Czaki, eds., *Proceedings of the 2nd International Symposium on Information*. Budapest: Akademiai Kiado.
- Andersen, E. B. (1991). *Statistical Analysis of Categorical Data*. Berlin: Springer-Verlag, 2nd edn.
- Anderson, E. (1935). The irises of the Gaspé peninsula. *Bulletin of the American Iris Society*, 35, 2–5.
- Andrews, D. F. and Herzberg, A. M. (1985). *Data: A Collection of Problems from Many Fields for the Student and Research Worker*. New York, NY: Springer-Verlag.
- Antonio, A. L. M. and Crespi, C. M. (2010). Predictors of interobserver agreement in breast imaging using the breast imaging reporting and data system. *Breast Cancer Research and Treatment*, 120(3), 539–546.
- Arbuthnot, J. (1710). An argument for divine providence, taken from the constant regularity observ'd in the births of both sexes. *Philosophical Transactions*, 27, 186–190. Published in 1711.
- Ashford, J. R. and Sowden, R. D. (1970). Multivariate probit analysis. *Biometrics*, 26, 535–546.

- Atkinson, A. C. (1981). Two graphical displays for outlying and influential observations in regression. *Biometrika*, 68, 13–20.
- Atkinson, A. C. (1987). *Plots, Transformations and Regression: An Introduction to Graphical Methods of Diagnostic Regression Analysis*. New York: Oxford University Press.
- Bangdiwala, S. I. (1985). A graphical test for observer agreement. In *Proceeding of the International Statistics Institute*, vol. 1, (pp. 307–308). Amsterdam: ISI.
- Bangdiwala, S. I. (1987). Using SAS software graphical procedures for the observer agreement chart. *Proceedings of the SAS User's Group International Conference*, 12, 1083–1088.
- Bartlett, M. S. (1935). Contingency table interactions. *Journal of the Royal Statistical Society, Supplement*, 2, 248–252.
- Bates, D., Maechler, M., Bolker, B., and Walker, S. (2014). *lme4: Linear mixed-effects models using Eigen and S4*. R package version 1.1-7.
- Becker, M. P. and Clogg, C. C. (1989). Analysis of sets of two-way contingency tables using association models. *Journal of the American Statistical Association*, 84(405), 142–151.
- Bentler, P. M. (1980). Multivariate analysis with latent variables: Causal modeling. *Annual Review of Psychology*, 31(1), 419–456.
- Benzécri, J.-P. (1977). Sur l'analyse des tableaux binaires associés à une correspondance multiple. *Cahiers de l'Analyse des Données*, 2, 55–71.
- Bertin, J. (1981). *Graphics and Graphic Information-processing*. New York: de Gruyter. (trans. W. Berg and P. Scott).
- Bertin, J. (1983). *Semiology of Graphics*. Madison, WI: University of Wisconsin Press. (trans. W. Berg).
- Bickel, P. J., Hammel, J. W., and O'Connell, J. W. (1975). Sex bias in graduate admissions: Data from Berkeley. *Science*, 187, 398–403.
- Birch, M. W. (1963a). An algorithm for the logarithmic series distributions. *Biometrics*, 19, 651–652.
- Birch, M. W. (1963b). Maximum likelihood in three-way contingency tables. *Journal of the Royal Statistical Society, Series B*, 25, 220–233.
- Bishop, Y. M. M., Fienberg, S. E., and Holland, P. W. (1975). *Discrete Multivariate Analysis: Theory and Practice*. Cambridge, MA: MIT Press.
- Bliss, C. I. (1934). The method of probits. *Science*, 79(2037), 38–39.
- Böhning, D. (1983). Maximum likelihood estimation of the logarithmic series distribution. *Statistische Hefte (Statistical Papers)*, 24(1), 121–140.
- Bollen, K. A. (2002). Latent variables in psychology and the social sciences. *Annual Review of Psychology*, 53(1), 605–634.
- von Bortkiewicz, L. (1898). *Das Gesetz der Kleinen Zahlen*. Leipzig: Teubner.
- Bouchet-Valat, M. (2015). *logmult: Log-Multiplicative Models, Including Association Models*. R package version 0.6.1.

- Box, G. E. P. (1979). Some problems of statistics and everyday life. *Journal of the American Statistical Association*, 74(365), 1–4.
- Box, G. E. P. and Cox, D. R. (1964). An analysis of transformations (with discussion). *Journal of the Royal Statistical Society, Series B*, 26, 211–252.
- Box, G. E. P. and Draper, N. R. (1987). *Empirical Model Building and Response Surfaces*. New York, NY: John Wiley & Sons.
- Bradu, D. and Gabriel, K. R. (1978). The biplot as a diagnostic tool for models of two-way tables. *Technometrics*, 20, 47–68.
- Brinton, W. C. (1939). *Graphic Presentation*. New York, NY: Brinton Associates.
- Brockmann, H. J. (1996). Satellite male groups in horseshoe crabs, *Limulus polyphemus*. *Ethology*, 102(1), 1–21.
- Brown, P. J., Stone, J., and Ord-Smith, C. (1983). Toxaemic signs during pregnancy. *Journal of the Royal Statistical Society, Series C (Applied Statistics)*, 32, 69–72.
- Brunswick, A. F. (1971). Adolescent health, sex, and fertility. *American Journal of Public Health*, 61(4), 711–729.
- Burt, C. (1950). The factorial analysis of qualitative data. *British Journal of Statistical Psychology*, 3, 166–185.
- Cameron, A. C. and Trivedi, P. K. (1990). Regression-based tests for overdispersion in the poisson model. *Journal of Econometrics*, 46, 347–364.
- Cameron, A. C. and Trivedi, P. K. (1998). *Regression analysis of count data*. Econometric society monographs. Cambridge (U.K.), New York: Cambridge University Press.
- Cameron, A. C. and Trivedi, P. K. (2013). *Regression analysis of count data*. Econometric society monographs. Cambridge (U.K.), New York: Cambridge University Press, 2nd edn.
- Carlyle, T. (1840). *Chartism*. London: J. Fraser.
- Caussinus, H. (1966). Contribution à l'analyse statistique des tableaux de corrélation. *Annales de la Faculté des Sciences de l'Université de Toulouse*, 39 (année 1965), 77–183.
- Chambers, J. M., Cleveland, W. S., Kleiner, B., and Tukey, P. A. (1983). *Graphical Methods for Data Analysis*. Belmont, CA: Wadsworth.
- Chang, W. and Wickham, H. (2015). *ggvis: Interactive Grammar of Graphics*. R package version 0.4.1.
- Christensen, R. (1997). *Log-Linear Models and Logistic Regression*. New York, NY: Springer, 2nd edn.
- Cicchetti, D. V. and Allison, T. (1971). A new procedure for assessing reliability of scoring EEG sleep recordings. *American Journal of EEG Technology*, 11, 101–109.
- Cleveland, W. S. (1993a). A model for studying display methods of statistical graphics. *Journal of Computational and Graphical Statistics*, 2, 323–343.
- Cleveland, W. S. (1993b). *Visualizing Data*. Summit, NJ: Hobart Press.

- Atkinson, A. C. (1981). Two graphical displays for outlying and influential observations in regression. *Biometrika*, 68, 13–20.
- Atkinson, A. C. (1987). *Plots, Transformations and Regression: An Introduction to Graphical Methods of Diagnostic Regression Analysis*. New York: Oxford University Press.
- Bangdiwala, S. I. (1985). A graphical test for observer agreement. In *Proceeding of the International Statistics Institute*, vol. 1, (pp. 307–308). Amsterdam: ISI.
- Bangdiwala, S. I. (1987). Using SAS software graphical procedures for the observer agreement chart. *Proceedings of the SAS User's Group International Conference*, 12, 1083–1088.
- Bartlett, M. S. (1935). Contingency table interactions. *Journal of the Royal Statistical Society, Supplement*, 2, 248–252.
- Bates, D., Maechler, M., Bolker, B., and Walker, S. (2014). *lme4: Linear mixed-effects models using Eigen and S4*. R package version 1.1-7.
- Becker, M. P. and Clogg, C. C. (1989). Analysis of sets of two-way contingency tables using association models. *Journal of the American Statistical Association*, 84(405), 142–151.
- Bentler, P. M. (1980). Multivariate analysis with latent variables: Causal modeling. *Annual Review of Psychology*, 31(1), 419–456.
- Benzécri, J.-P. (1977). Sur l'analyse des tableaux binaires associés à une correspondance multiple. *Cahiers de l'Analyse des Données*, 2, 55–71.
- Bertin, J. (1981). *Graphics and Graphic Information-processing*. New York: de Gruyter. (trans. W. Berg and P. Scott).
- Bertin, J. (1983). *Semiology of Graphics*. Madison, WI: University of Wisconsin Press. (trans. W. Berg).
- Bickel, P. J., Hammel, J. W., and O'Connell, J. W. (1975). Sex bias in graduate admissions: Data from Berkeley. *Science*, 187, 398–403.
- Birch, M. W. (1963a). An algorithm for the logarithmic series distributions. *Biometrics*, 19, 651–652.
- Birch, M. W. (1963b). Maximum likelihood in three-way contingency tables. *Journal of the Royal Statistical Society, Series B*, 25, 220–233.
- Bishop, Y. M. M., Fienberg, S. E., and Holland, P. W. (1975). *Discrete Multivariate Analysis: Theory and Practice*. Cambridge, MA: MIT Press.
- Bliss, C. I. (1934). The method of probits. *Science*, 79(2037), 38–39.
- Böhning, D. (1983). Maximum likelihood estimation of the logarithmic series distribution. *Statistische Hefte (Statistical Papers)*, 24(1), 121–140.
- Bollen, K. A. (2002). Latent variables in psychology and the social sciences. *Annual Review of Psychology*, 53(1), 605–634.
- von Bortkiewicz, L. (1898). *Das Gesetz der Kleinen Zahlen*. Leipzig: Teubner.
- Bouchet-Valat, M. (2015). *logmult: Log-Multiplicative Models, Including Association Models*. R package version 0.6.1.

- Box, G. E. P. (1979). Some problems of statistics and everyday life. *Journal of the American Statistical Association*, 74(365), 1–4.
- Box, G. E. P. and Cox, D. R. (1964). An analysis of transformations (with discussion). *Journal of the Royal Statistical Society, Series B*, 26, 211–252.
- Box, G. E. P. and Draper, N. R. (1987). *Empirical Model Building and Response Surfaces*. New York, NY: John Wiley & Sons.
- Bradu, D. and Gabriel, K. R. (1978). The biplot as a diagnostic tool for models of two-way tables. *Technometrics*, 20, 47–68.
- Brinton, W. C. (1939). *Graphic Presentation*. New York, NY: Brinton Associates.
- Brockmann, H. J. (1996). Satellite male groups in horseshoe crabs, *Limulus polyphemus*. *Ethology*, 102(1), 1–21.
- Brown, P. J., Stone, J., and Ord-Smith, C. (1983). Toxaemic signs during pregnancy. *Journal of the Royal Statistical Society, Series C (Applied Statistics)*, 32, 69–72.
- Brunswick, A. F. (1971). Adolescent health, sex, and fertility. *American Journal of Public Health*, 61(4), 711–729.
- Burt, C. (1950). The factorial analysis of qualitative data. *British Journal of Statistical Psychology*, 3, 166–185.
- Cameron, A. C. and Trivedi, P. K. (1990). Regression-based tests for overdispersion in the poisson model. *Journal of Econometrics*, 46, 347–364.
- Cameron, A. C. and Trivedi, P. K. (1998). *Regression analysis of count data*. Econometric society monographs. Cambridge (U.K.), New York: Cambridge University Press.
- Cameron, A. C. and Trivedi, P. K. (2013). *Regression analysis of count data*. Econometric society monographs. Cambridge (U.K.), New York: Cambridge University Press, 2nd edn.
- Carlyle, T. (1840). *Chartism*. London: J. Fraser.
- Caussinus, H. (1966). Contribution à l'analyse statistique des tableaux de corrélation. *Annales de la Faculté des Sciences de l'Université de Toulouse*, 39 (année 1965), 77–183.
- Chambers, J. M., Cleveland, W. S., Kleiner, B., and Tukey, P. A. (1983). *Graphical Methods for Data Analysis*. Belmont, CA: Wadsworth.
- Chang, W. and Wickham, H. (2015). *ggvis: Interactive Grammar of Graphics*. R package version 0.4.1.
- Christensen, R. (1997). *Log-Linear Models and Logistic Regression*. New York, NY: Springer, 2nd edn.
- Cicchetti, D. V. and Allison, T. (1971). A new procedure for assessing reliability of scoring EEG sleep recordings. *American Journal of EEG Technology*, 11, 101–109.
- Cleveland, W. S. (1993a). A model for studying display methods of statistical graphics. *Journal of Computational and Graphical Statistics*, 2, 323–343.
- Cleveland, W. S. (1993b). *Visualizing Data*. Summit, NJ: Hobart Press.

- Cleveland, W. S., McGill, M. E., and McGill, R. (1988). The shape parameter of a two-variable graph. *Journal of the American Statistical Association*, 83, 289–300.
- Cleveland, W. S. and McGill, R. (1984). Graphical perception: Theory, experimentation and application to the development of graphical methods. *Journal of the American Statistical Association*, 79, 531–554.
- Cleveland, W. S. and McGill, R. (1985). Graphical perception and graphical methods for analyzing scientific data. *Science*, 229, 828–833.
- Cohen, A. (1980). On the graphical display of the significant components in a two-way contingency table. *Communications in Statistics—Theory and Methods*, A9, 1025–1041.
- 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 with provision for scaled disagreement or partial credit. *Psychological Bulletin*, 70, 213–220.
- Cook, R. D. (1993). Exploring partial residual plots. *Technometrics*, 35(4), 351–362.
- Cook, R. D. and Weisberg, S. (1999). *Applied Regression Including Computing and Graphics*. New York: Wiley.
- Cragg, J. G. (1971). Some statistical models for limited dependent variables with application to the demand for durable goods. *Econometrica*, 39, 829–844.
- Croissant, Y. (2013). *mlogit: multinomial logit model*. R package version 0.2-4.
- de la Cruz Rot, M. (2005). Improving the presentation of results of logistic regression with r. *Bulletin of the Ecological Society of America*, 86, 41–48.
- Dahl, D. B. (2014). *xtable: Export tables to LaTeX or HTML*. R package version 1.7-4.
- Dalal, S., Fowlkes, E. B., and Hoadley, B. (1989). Risk analysis of the space shuttle: Pre-Challenger prediction of failure. *Journal of the American Statistical Association*, 84(408), 945–957.
- Dalgaard, P. (2008). *Introductory Statistics with R*. Springer, 2nd edn.
- Deb, P. and Trivedi, P. K. (1997). Demand for medical care by the elderly: A finite mixture approach. *Journal of Applied Econometrics*, 12, 313–336.
- Dragulescu, A. A. (2014). *xlsx: Read, write, format Excel 2007 and Excel 97/2000/XP/2003 files*. R package version 0.5.7.
- Edwards, A. W. F. (1958). An analysis of geissler's data on the human sex ratio. *Annals of Human Genetics*, 23(1), 6–15.
- Emerson, J. W. (1998). Mosaic displays in S-PLUS: A general implementation and a case study. *Statistical Graphics and Computing Newsletter*, 9(1), 17–23.
- Emerson, J. W. and Green, W. A. (2014). *gpairs: The Generalized Pairs Plot*. R package version 1.2.
- Emerson, J. W., Green, W. A., Schloerke, B., Crowley, J., Cook, D., Hofmann, H., and Wickham, H. (2013). The generalized pairs plot. *Journal of Computational and Graphical Statistics*, 22(1), 79–91.

- Evers, M. and Namboordiri, N. K. (1977). A Monte Carlo assessment of the stability of log-linear estimates in small samples. In *Proceedings of the Social Statistics Section*. Alexandria, VA: American Statistical Association.
- Feynman, R. P. (1988). *What Do You Care What Other People Think? Further Adventures of a Curious Character*. New York: W. W. Norton.
- Fienberg, S. E. (1975). Perspective Canada as a social report. *Social Indicators Research*, 2, 153–174.
- Fienberg, S. E. (1980). *The Analysis of Cross-Classified Categorical Data*. Cambridge, MA: MIT Press, 2nd edn.
- Fienberg, S. E. and Rinaldo, A. (2007). Three centuries of categorical data analysis: Log-linear models and maximum likelihood estimation. *Journal of Statistical Planning and Inference*, 137(11), 3430–3445.
- Finney, D. J. (1947). *Probit analysis*. Cambridge, England: Cambridge University Press.
- Firth, D. (2003). Overcoming the reference category problem in the presentation of statistical models. *Sociological Methodology*, 33, 1–18.
- Firth, D. and Menezes, R. X. d. (2004). Quasi-variances. *Biometrika*, 91, 65–80.
- Fisher, R. A. (1925). *Statistical Methods for Research Workers*. London: Oliver & Boyd.
- Fisher, R. A. (1936a). Has Mendel's work been rediscovered? *Annals of Science*, 1, 115–137.
- Fisher, R. A. (1936b). The use of multiple measurements in taxonomic problems. *Annals of Eugenics*, 8, 379–388.
- Fisher, R. A. (1940). The precision of discriminant functions. *Annals of Eugenics*, 10, 422–429.
- Fisher, R. A., Corbet, A. S., and Williams, C. B. (1943). The relation between the number of species and the number of individuals. *Journal of Animal Ecology*, 12, 42.
- Fleiss, J. L. (1973). *Statistical Methods for Rates and Proportions*. New York: John Wiley and Sons.
- Fleiss, J. L. and Cohen, J. (1972). The equivalence of weighted kappa and the intraclass correlation coefficient as measures of reliability. *Educational and Psychological Measurement*, 33, 613–619.
- Fleiss, J. L., Cohen, J., and Everitt, B. S. (1969). Large sample standard errors of kappa and weighted kappa. *Psychological Bulletin*, 72, 332–327.
- Fowlkes, E. B. (1987). Some diagnostics for binary logistic regression via smoothing. *Biometrika*, 74(3), 503–5152.
- Fox, J. (1987). Effect displays for generalized linear models. In C. C. Clogg, ed., *Sociological Methodology*, 1987, (pp. 347–361). San Francisco: Jossey-Bass.
- Fox, J. (2003). Effect displays in R for generalized linear models. *Journal of Statistical Software*, 8(15), 1–27.
- Fox, J. (2008). *Applied Regression Analysis and Generalized Linear Models*. Thousand Oaks, CA: SAGE Publications, 2nd edn.

- Fox, J. (2015). Appendices to *Applied Regression Analysis, Generalized Linear Models, and Related Methods*, third edition. Online document. Available at <http://socscerv.socsci.mcmaster.ca/jfox/Books/Applied-Regression-3E/Appendices.pdf>.
- Fox, J. and Andersen, R. (2006). Effect displays for multinomial and proportional-odds logit models. *Sociological Methodology*, 36, 225–255.
- Fox, J. and Friendly, M. (2014). *heplots: Visualizing Hypothesis Tests in Multivariate Linear Models*. R package version 1.0-12.
- Fox, J., Friendly, M., and Monette, G. (2009). Visualizing hypothesis tests in multivariate linear models: The *heplots* package for R. *Computational Statistics*, 24(2), 233–246. (Published online: May 15, 2008).
- Fox, J. and Weisberg, S. (2011a). *An R Companion to Applied Regression*. Thousand Oaks CA: SAGE Publications, 2nd edn.
- Fox, J. and Weisberg, S. (2011b). *An R Companion to Applied Regression*. Thousand Oaks CA: SAGE Publications, 2nd edn.
- Fox, J. and Weisberg, S. (2015a). *car: Companion to Applied Regression*. R package version 2.0-25/r421.
- Fox, J. and Weisberg, S. (2015b). Visualizing fit and lack of fit in complex regression models: Effect plots with partial residuals. submitted, *Journal of Computational and Graphical Statistics*.
- Fox, J., Weisberg, S., Friendly, M., and Hong, J. (2015). *effects: Effect Displays for Linear, Generalized Linear, and Other Models*. R package version 3.0-4/r200.
- Friendly, M. (1991). *SAS System for Statistical Graphics*. Cary, NC: SAS Institute, 1st edn.
- Friendly, M. (1992). Mosaic displays for loglinear models. In ASA, *Proceedings of the Statistical Graphics Section*, (pp. 61–68). Alexandria, VA.
- Friendly, M. (1994a). A fourfold display for 2 by 2 by K tables. Tech. Rep. 217, York University, Psychology Dept.
- Friendly, M. (1994b). Mosaic displays for multi-way contingency tables. *Journal of the American Statistical Association*, 89, 190–200.
- Friendly, M. (1994c). SAS/IML graphics for fourfold displays. *Observations*, 3(4), 47–56.
- Friendly, M. (1995). Conceptual and visual models for categorical data. *The American Statistician*, 49, 153–160.
- Friendly, M. (1997). Conceptual models for visualizing contingency table data. In M. Greenacre and J. Blasius, eds., *Visualization of Categorical Data*, chap. 2, (pp. 17–35). San Diego, CA: Academic Press.
- Friendly, M. (1999a). Extending mosaic displays: Marginal, conditional, and partial views of categorical data. *Journal of Computational and Graphical Statistics*, 8(3), 373–395.
- Friendly, M. (1999b). Extending mosaic displays: Marginal, conditional, and partial views of categorical data. *Journal of Computational and Graphical Statistics*, 8(3), 373–395.
- Friendly, M. (2000). *Visualizing Categorical Data*. Cary, NC: SAS Institute.

- Friendly, M. (2002). Corrgrams: Exploratory displays for correlation matrices. *The American Statistician*, 56(4), 316–324.
- Friendly, M. (2003). Visions of the past, present and future of statistical graphics: An ideo-graphic view. American Psychological Association. Toronto, ON, URL: <http://datavis.ca/papers/apa-2x2.pdf>.
- Friendly, M. (2007). HE plots for multivariate general linear models. *Journal of Computational and Graphical Statistics*, 16(2), 421–444.
- Friendly, M. (2013). Comment on the generalized pairs plot. *Journal of Computational and Graphical Statistics*, 22(1), 290–291.
- Friendly, M. (2014a). *HistData: Data sets from the history of statistics and data visualization*. R package version 0.7-5.
- Friendly, M. (2014b). *Lahman: Sean Lahman's Baseball Database*. R package version 3.0-1.
- Friendly, M. (2015). *vcdExtra: vcd Extensions and Additions*. R package version 0.6-7.
- Friendly, M. and Denis, D. (2005). The early origins and development of the scatterplot. *Journal of the History of the Behavioral Sciences*, 41(2), 103–130.
- Friendly, M. and Kwan, E. (2003). Effect ordering for data displays. *Computational Statistics and Data Analysis*, 43(4), 509–539.
- Friendly, M. and Kwan, E. (2011). Comment (graph people versus table people). *Journal of Computational and Graphical Statistics*, 20(1), 18–27.
- Friendly, M., Monette, G., and Fox, J. (2013). Elliptical insights: Understanding statistical methods through elliptical geometry. *Statistical Science*, 28(1), 1–39.
- Gabriel, K. R. (1971). The biplot graphic display of matrices with application to principal components analysis. *Biometrics*, 58(3), 453–467.
- Gabriel, K. R. (1980). Biplot. In N. L. Johnson and S. Kotz, eds., *Encyclopedia of Statistical Sciences*, vol. 1, (pp. 263–271). New York: John Wiley and Sons.
- Gabriel, K. R. (1981). Biplot display of multivariate matrices for inspection of data and diagnosis. In V. Barnett, ed., *Interpreting Multivariate Data*, chap. 8, (pp. 147–173). London: John Wiley and Sons.
- Gabriel, K. R., Galindo, M. P., and Vincente-Villardón, J. L. (1997). Use of biplots to diagnose independence models in three-way contingency tables. In M. Greenacre and J. Blasius, eds., *Visualization of Categorical Data*, chap. 27, (pp. 391–404). San Diego, CA: Academic Press.
- Gabriel, K. R. and Odoroff, C. L. (1990). Biplots in biomedical research. *Statistics in Medicine*, 9, 469–485.
- Galton, F. (1886). Regression towards mediocrity in hereditary stature. *Journal of the Anthropological Institute*, 15, 246–263.
- Gart, J. J. and Zweifel, J. R. (1967). On the bias of various estimators of the logit and its variance with applications to quantal bioassay. *Biometrika*, 54, 181–187.
- Geissler, A. (1889). Beiträge zur frage des geschlechts verhaltnisses der geborenen. *Z. K. Sachsischen Statistischen Bureaus*, 35(1), n.p.

- Gesmann, M. and de Castillo, D. (2015). *googleVis: R Interface to Google Charts*. R package version 0.5.8.
- Gifi, A. (1981). *Nonlinear Multivariate Analysis*. The Netherlands: Department of Data Theory, University of Leiden.
- Glass, D. V. (1954). *Social Mobility in Britain*. Glencoe, IL: The Free Press.
- Goodman, L. A. (1970). The multivariate analysis of qualitative data: Interactions among multiple classifications. *Journal of the American Statistical Association*, 65, 226–256.
- Goodman, L. A. (1971). The analysis of multidimensional contingency tables: Stepwise procedures and direct estimates for building models for multiple classifications. *Technometrics*, 13, 33–61.
- Goodman, L. A. (1972). Some multiplicative models for the analysis of cross classified data. In *Proceedings of the sixth Berkeley Symposium on Mathematical Statistics and Probability*, (pp. 649–696). Berkeley, CA: University of California.
- Goodman, L. A. (1973). The analysis of multidimensional contingency tables when some variables are posterior to others: A modified path analysis approach. *Biometrika*, 60, 179–192.
- Goodman, L. A. (1978). *Analyzing Qualitative Categorical Data: Log-Linear Models and Latent-Structure Analysis*. Cambridge, MA: Abt Books.
- Goodman, L. A. (1979). Simple models for the analysis of association in cross-classifications having ordered categories. *Journal of the American Statistical Association*, 74, 537–552.
- Goodman, L. A. (1981). Association models and canonical correlation in the analysis of cross-classifications having ordered categories. *Journal of the American Statistical Association*, 76(374), 320–334.
- Goodman, L. A. (1983). The analysis of dependence in cross-classifications having ordered categories, using log-linear models for frequencies and log-linear models for odds. *Biometrics*, 39, 149–160.
- Goodman, L. A. (1985). The analysis of cross-classified data having ordered and/or unordered categories: Association models, correlation models, and asymmetry models for contingency tables with or without missing entries. *Annals of Statistics*, 13(1), 10–69.
- Goodman, L. A. (1986). Some useful extensions of the usual correspondence analysis approach and the usual log-linear models approach in the analysis of contingency tables. *International Statistical Review*, 54(3), 243–309. With a discussion and reply by the author.
- Gower, J., Lubbe, S., and Roux, N. (2011). *Understanding Biplots*. Wiley.
- Gower, J. C. and Hand, D. J. (1996). *Biplots*. London: Chapman & Hall.
- Grayson, D. K. (1990). Donner party deaths: A demographic assessment. *Journal of Anthropological Research*, 46(3), 223–242.
- Greenacre, M. (1984). *Theory and Applications of Correspondence Analysis*. London: Academic Press.
- Greenacre, M. (1989). The Carroll-Green-Schaffer scaling in correspondence analysis: A theoretical and empirical appraisal. *Journal of Marketing Research*, 26, 358–365.
- Greenacre, M. (1990). Some limitations of multiple correspondence analysis. *Computational Statistics Quarterly*, 3, 249–256.

- Greenacre, M. (1994). Multiple and joint correspondence analysis. In M. J. Greenacre and B. Jörg, eds., *Correspondence Analysis in the Social Sciences*. London: Academic Press.
- Greenacre, M. (1997). Diagnostics for joint displays in correspondence analysis. In J. Blasius and M. Greenacre, eds., *Visualization of Categorical Data*, (pp. 221–238). Academic Press.
- Greenacre, M. (2007). *Correspondence analysis in practice*. Boca Raton: Chapman & Hall/CRC.
- Greenacre, M. (2013). Contribution biplots. *Journal of Computational and Graphical Statistics*, 22(1), 107–122.
- Greenacre, M. and Hastie, T. J. (1987). The geometric interpretation of correspondence analysis. *Journal of the American Statistical Association*, 82, 437–447.
- Greenacre, M. and Nenadic, O. (2014). *ca: Simple, Multiple and Joint Correspondence Analysis*. R package version 0.58.
- Greenwood, M. and Yule, G. U. (1920). An inquiry into the nature of frequency distributions of multiple happenings, with particular reference to the occurrence of multiple attacks of disease or repeated accidents. *Journal of the Royal Statistical Society, Series A*, 83, 255–279.
- Haberman, S. J. (1972). Statistical algorithms: Algorithm AS 51: Log-linear fit for contingency tables. *Applied Statistics*, 21(2), 218–225.
- Haberman, S. J. (1973). The analysis of residuals in cross-classified tables. *Biometrics*, 29, 205–220.
- Haberman, S. J. (1974). *The Analysis of Frequency Data*. Chicago: University of Chicago Press.
- Haberman, S. J. (1979). *The Analysis of Qualitative Data: New Developments*, vol. II. New York: Academic Press.
- Haldane, J. B. S. (1955). The estimation and significance of the logarithm of a ratio of frequencies. *Annals of Human Genetics*, 20, 309–311.
- Hamilton, N. (2014). *ggtern: An extension to ggplot2, for the creation of ternary diagrams*. R package version 1.0.3.2.
- Harrell, Jr., F. E. (2001). *Regression Modeling Strategies: With Applications to Linear Models, Logistic Regression, and Survival Analysis*. Graduate Texts in Mathematics. New York: Springer.
- Harrell, Jr., F. E. (2015). *rms: Regression Modeling Strategies*. R package version 4.3-0.
- Hartigan, J. A. and Kleiner, B. (1981). Mosaics for contingency tables. In W. F. Eddy, ed., *Computer Science and Statistics: Proceedings of the 13th Symposium on the Interface*, (pp. 268–273). New York, NY: Springer-Verlag.
- Hartigan, J. A. and Kleiner, B. (1984). A mosaic of television ratings. *The American Statistician*, 38, 32–35.
- Hastie, T. J. and Tibshirani, R. J. (1990). *Generalized Additive Models*. London: Chapman & Hall.
- Hauser, R. M. (1979). Some exploratory methods for modeling mobility tables and other cross-classified data. In K. F. Schuessler, ed., *Sociological Methodology 1980*, (pp. 413–458). San Francisco: Jossey-Bass.
- Hedeker, D. (2005). Generalized linear mixed models. In *Encyclopedia of Statistics in Behavioral Science*. John Wiley & Sons, Ltd.

- van der Heijden, P. G. M., de Falguerolles, A., and de Leeuw, J. (1989). A combined approach to contingency table analysis using correspondence analysis and log-linear analysis. *Applied Statistics*, 38(2), 249–292.
- van der Heijden, P. G. M. and de Leeuw, J. (1985). Correspondence analysis used complementary to loglinear analysis. *Psychometrika*, 50, 429–447.
- Hemmingsen, W., Jansen, P. A., and Mackenzie, K. (2005). Crabs, leeches and trypanosomes: an unholy trinity? *Marine Pollution Bulletin*, 50(3), 336–339.
- Heuer, J. (1979). *Selbstmord Bei Kinder Und Jugendlichen*. Stuttgart: Ernst Klett Verlag. [Suicide by children and youth.]
- Hilbe, J. (2011). *Negative Binomial Regression*. Cambridge University Press, 2nd edn.
- Hilbe, J. M. (2014). *Modeling Count Data*. New York, NY: Cambridge University Press.
- Hoaglin, D. C. (1980). A poissonness plot. *The American Statistician*, 34, 146–149.
- Hoaglin, D. C. and Tukey, J. W. (1985). Checking the shape of discrete distributions. In D. C. Hoaglin, F. Mosteller, and J. W. Tukey, eds., *Exploring Data Tables, Trends and Shapes*, chap. 9. New York: John Wiley and Sons.
- Hocking, T. D. (2013). *directlabels: Direct labels for multicolor plots in lattice or ggplot2*. R package version 2013.6.15.
- Hofmann, H. (2000). Exploring categorical data: Interactive mosaic plots. *Metrika*, 51(1), 11–26.
- Hofmann, H. (2001). Generalized odds ratios for visual modeling. *Journal of Computational and Graphical Statistics*, 10(4), 628–640.
- Hofmann, H. and Theus, M. (2005). Interactive graphics for visualizing conditional distributions. Unpublished manuscript.
- Holm, S. (1979). A simple sequentially rejective multiple test procedure. *Scandinavian Journal of Statistics*, 6(2), 65–70.
- Hosmer, Jr, D. W., Lemeshow, S., and Sturdivant, R. X. (2013). *Applied Logistic Regression*. New York: John Wiley and Sons, 3rd edn.
- Hothorn, T., Zeileis, A., Farebrother, R. W., and Cummins, C. (2014). *lmtest: Testing Linear Regression Models*. R package version 0.9-33.
- Hout, M., Duncan, O. D., and Sobel, M. E. (1987). Association and heterogeneity: Structural models of similarities and differences. *Sociological Methodology*, 17, 145–184.
- Hummel, J. (1996). Linked bar charts: Analyzing categorical data graphically. *Computational Statistics*, 11, 23–33.
- Hurley, C. B. (2004). Clustering visualizations of multidimensional data. *Journal of Computational and Graphical Statistics*, 13, 788–806.
- Husson, F., Josse, J., Le, S., and Mazet, J. (2015). *FactoMineR: Multivariate Exploratory Data Analysis and Data Mining*. R package version 1.29.
- Ihaka, R., Murrell, P., Hornik, K., Fisher, J. C., and Zeileis, A. (2015). *colorspace: Color Space Manipulation*. R package version 1.2-6.

- Immer, F. R., Hayes, H., and Powers, L. R. (1934). Statistical determination of barley varietal adaptation. *Journal of the American Society of Agronomy*, 26, 403–419.
- Jackman, S., Tahk, A., Zeileis, A., Maimone, C., and Fearon, J. (2015). *pscl: Political Science Computational Laboratory, Stanford University*. R package version 1.4.9.
- Jansen, J. (1990). On the statistical analysis of ordinal data when extravariation is present. *Journal of the Royal Statistical Society. Series C (Applied Statistics)*, 39(1), 75–84.
- Jinkinson, R. A. and Slater, M. (1981). Critical discussion of a graphical method for identifying discrete distributions. *The Statistician*, 30, 239–248.
- Johnson, K. (1996). *Unfortunate Emigrants: Narratives of the Donner Party*. Logan, UT: Utah State University Press.
- Johnson, N. L., Kotz, S., and Kemp, A. W. (1992). *Univariate Discrete Distributions*. New York, NY: John Wiley and Sons, 2nd edn.
- Kemp, A. W. and Kemp, C. D. (1991). Weldon's dice data revisited. *The American Statistician*, 45, 216–222.
- Kendall, M. G. and Stuart, A. (1961). *The Advanced Theory of Statistics*, vol. 2. London: Griffin.
- Kendall, M. G. and Stuart, A. (1963). *The Advanced Theory of Statistics*, vol. 1. London: Griffin.
- King, G. (1989). A seemingly unrelated Poisson regression model. *Sociological Methods and Research*, 17(3), 235–255.
- Kleiber, C. and Zeileis, A. (2008). *Applied Econometrics with R*. New York: Springer-Verlag. ISBN 978-0-387-77316-2.
- Kleiber, C. and Zeileis, A. (2014). Visualizing count data regressions using rootograms. Working papers, Faculty of Economics and Statistics, University of Innsbruck.
- Kleiber, C. and Zeileis, A. (2015). *AER: Applied Econometrics with R*. R package version 1.2-3.
- Koch, G. and Edwards, S. (1988). Clinical efficiency trials with categorical data. In K. E. Peace, ed., *Biopharmaceutical Statistics for Drug Development*, (pp. 403–451). New York: Marcel Dekker.
- Kosambi, D. D. (1949). Characteristic properties of series distributions. *Proceedings of the National Institute of Science of India*, 15, 109–113.
- Kosslyn, S. M. (1985). Graphics and human information processing: A review of five books. *Journal of the American Statistical Association*, 80, 499–512.
- Kosslyn, S. M. (1989). Understanding charts and graphs. *Applied Cognitive Psychology*, 3, 185–225.
- Kundel, H. L. and Polansky, M. (2003). Measurement of observer agreement. *Radiology*, 228(2), 303–308.
- Labby, Z. (2009). Weldon's dice, automated. *Chance*, 22(4), 6–13.
- Lambert, D. (1992). Zero-inflated poisson regression, with an application to defects in manufacturing. *Technometrics*, 34, 1–14.
- Landis, J. R. and Koch, G. G. (1977). The measurement of observer agreement for categorical data. *Biometrics*, 33, 159–174.

- Landis, R. J., Heyman, E. R., and Koch, G. G. (1978). Average partial association in three-way contingency tables: A review and discussion of alternative tests,. *International Statistical Review*, 46, 237–254.
- Landwehr, J. M., Pregibon, D., and Shoemaker, A. C. (1984). Graphical methods for assessing logistic regression models. *Journal of the American Statistical Association*, 79, 61–71.
- Lang, J. B. and Agresti, A. (1994). Simultaneously modeling joint and marginal distributions of multivariate categorical responses. *Journal of the American Statistical Association*, 89(426), 625–632.
- Larsen, W. A. and McCleary, S. J. (1972). The use of partial residual plots in regression analysis. *Technometrics*, 14, 781–790.
- Lavine, M. (1991). Problems in extrapolation illustrated with space shuttle O-ring data. *Journal of the American Statistical Association*, 86, 912–922.
- Lawrance, A. J. (1995). Deletion influence and masking in regression. *Journal of the Royal Statistical Society. Series B (Methodological)*, 57(1), 181–189.
- Lazarsfeld, P. F. (1950). The logical and mathematical foundation of latent structure analysis. In S. A. Stouffer, L. Guttman, E. A. Suchman, P. F. Lazarsfeld, S. A. Star, and J. A. Clausen, eds., *Studies in Social Psychology in World War II, vol. IV, Measurement and Prediction*, (pp. 362–412). Princeton, NJ: Princeton University Press.
- Lazarsfeld, P. F. (1954). A conceptual introduction to latent structure analysis. In P. F. Lazarsfeld, ed., *Mathematical Thinking in the Social Sciences*, (pp. 349–387). Glencoe, IL: Free Press.
- Lebart, L., Morineau, A., and Warwick, K. M. (1984). *Multivariate Descriptive Statistical Analysis: Correspondence Analysis and Related Techniques for Large Matrices*. New York: John Wiley and Sons.
- Lee, A. J. (1997). Modelling scores in the Premier League: Is Manchester United really the best? *Chance*, 10(1), 15–19.
- Leifeld, P. (2013). *texreg*: Conversion of statistical model output in R to LaTeX and HTML tables. *Journal of Statistical Software*, 55(8), 1–24.
- Leifeld, P. (2014). *texreg: Conversion of R regression output to LaTeX or HTML tables*. R package version 1.34.
- Lemeshow, S., Avrunin, D., and Pastides, J. S. (1988). Predicting the outcome of intensive care unit patients. *Journal of the American Statistical Association*, 83, 348–356.
- Lenth, R. V. (2014). *rsm: Response-surface analysis*. R package version 2.07.
- Lenth, R. V. and Hervé, M. (2015). *lsmeans: Least-Squares Means*. R package version 2.16.
- Lewandowsky, S. and Spence, I. (1989). The perception of statistical graphs. *Sociological Methods & Research*, 18, 200–242.
- Lindsey, J. K. (1995). *Modelling Frequency and Count Data*. Oxford, UK: Oxford University Press.
- Lindsey, J. K. and Altham, P. M. E. (1998). Analysis of the human sex ratio by using overdispersion models. *Journal of the Royal Statistical Society: Series C (Applied Statistics)*, 47(1), 149–157.
- Lindsey, J. K. and Mersch, G. (1992). Fitting and comparing probability distributions with log linear models. *Computational Statistics and Data Analysis*, 13, 373–384.

- Linzer, D. and Lewis., J. (2014). *poLCA: Polytomous variable Latent Class Analysis*. R package version 1.4.1.
- Long, J. S. (1990). The origins of sex differences in science. *Social Forces*, 68(4), 1297–1316.
- Long, J. S. (1997). *Regression Models for Categorical and Limited Dependent Variables*. Thousand Oaks, CA: SAGE Publications.
- Lumley, T. and Zeileis, A. (2015). *sandwich: Robust Covariance Matrix Estimators*. R package version 2.3-3.
- Maindonald, J. and Braun, J. (2007). *Data Analysis and Graphics Using R*. Cambridge: Cambridge University Press, 2nd edn.
- Mc Rae, M. (2015). *Spatial, Habitat and Frequency Changes in Double-crested Cormorant Advertising Display in a Tree-nesting Colony*. Masters project, environmental studies, York University.
- McCullagh, P. (1980). Regression models for ordinal data. *Journal of the Royal Statistical Society, Series B*, 42, 109–142.
- McCullagh, P. and Nelder, J. A. (1989). *Generalized Linear Models*. London: Chapman and Hall.
- McCulloch, C. E. and Neuhaus, J. M. (2005). Generalized linear mixed models. In *Encyclopedia of Biostatistics*. John Wiley & Sons, Ltd.
- Mendenhall, W. and Sincich, T. (2003). *A Second Course in Statistics: Regression Analysis*. Prentice Hall / Pearson Education.
- Merkle, E. C. and You, D. (2014). *nonnest2: Tests of Non-nested Models*. R package version 0.2.
- Mersey, L. (1912). Report on the loss of the “Titanic” (S. S.). Parliamentary command paper 6352.
- Meyer, D., Zeileis, A., and Hornik, K. (2006). The strucplot framework: Visualizing multi-way contingency tables with vcd. *Journal of Statistical Software*, 17(3), 1–48.
- Meyer, D., Zeileis, A., and Hornik, K. (2015). *vcd: Visualizing Categorical Data*. R package version 1.3-3.
- Milan, L. and Whittaker, J. (1995). Application of the parametric bootstrap to models that incorporate a singular value decomposition. *Journal of the Royal Statistical Society. Series C (Applied Statistics)*, 44(1), 31–49.
- Mirai Solutions GmbH (2015). *XLConnect: Excel Connector for R*. R package version 0.2-11.
- Mosteller, F. and Wallace, D. L. (1963). Inference in an authorship problem. *Journal of the American Statistical Association*, 58(302), 275–309.
- Mosteller, F. and Wallace, D. L. (1984). *Applied Bayesian and Classical Inference: The Case of the Federalist Papers*. New York, NY: Springer-Verlag.
- Mullahy, J. (1986). Specification and testing of some modified count data models. *Journal of Econometrics*, 33, 341–365.
- Murrell, P. (2011). *R Graphics*. Boca Raton, FL: Chapman & Hall/CRC.
- Nelder, J. A. and Wedderburn, R. W. M. (1972). Generalized linear models. *Journal of the Royal Statistical Society, Series A*, 135, 370–384.

- Neter, J., Wasserman, W., and Kutner, M. H. (1990). *Applied Linear Statistical Models : Regression, Analysis of Variance, and Experimental Designs*. Homewood, IL: R. D. Irwin, Inc., 3rd edn.
- Noack, A. (1950). A class of random variables with discrete distributions. *Annals of Mathematical Statistics*, 21, 127–132.
- Ord, J. K. (1967). Graphical methods for a class of discrete distributions. *Journal of the Royal Statistical Society, Series A*, 130, 232–238.
- Pareto, V. (1971). *Manuale di economia politica (“Manual of political economy”)*. New York: A.M. Kelley. Translated by Ann S. Schwier. Edited by Ann S. Schwier and Alfred N. Page.
- 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 by random sampling. *Philosophical Magazine*, 50(5th Series), 157–175.
- Peterson, B. and Harrell, Jr, F. E. (1990). Partial proportional odds models for ordinal response variables. *Applied Statistics*, 39, 205–217.
- Pilhofer, A. (2014). *extracat: Categorical Data Analysis and Visualization*. R package version 1.7-1.
- Pinheiro, J., Bates, D., and R-core (2015). *nlme: Linear and Nonlinear Mixed Effects Models*. R package version 3.1-120.
- Poole, J. H. (1989). Mate guarding, reproductive success and female choice in African elephants. *Animal Behavior*, 37, 842–849.
- Powers, D. A. and Xie, Y. (2008). *Statistical Methods for Categorical Data Analysis*. Bingley, UK: Emerald, 2nd edn.
- Pregibon, D. (1981). Logistic regression diagnostics. *Annals of Statistics*, 9, 705–724.
- R Core Team (2015). *foreign: Read Data Stored by Minitab, S, SAS, SPSS, Stata, Systat, Weka, dBase, ...* R package version 0.8-63.
- Raftery, A. E. (1986). Choosing models for cross-classifications. *American Sociological Review*, 51, 146–146.
- Ramsey, F. L. and Schafer, D. W. (2002). *The Statistical Sleuth: A Course in Methods of Data Analysis*. Belmont, CA: Duxbury, 2nd edn.
- Ramsey, F. L., Schafer, D. W., Sifneos, J., and Turlach, B. A. (2012). *Sleuth2: Data sets from Ramsey and Schafer’s Statistical Sleuth (2nd ed)*. R package version 1.0-7.
- Revelle, W. (2015). *psych: Procedures for Psychological, Psychometric, and Personality Research*. R package version 1.5.1.
- Riedwyl, H. and Schüpbach, M. (1983). Siebdiagramme: Graphische darstellung von kontingenztafeln. Tech. Rep. 12, Institute for Mathematical Statistics, University of Bern, Bern, Switzerland.
- Riedwyl, H. and Schüpbach, M. (1994). Parquet diagram to plot contingency tables. In F. Faulbaum, ed., *Softstat ’93: Advances In Statistical Software*, (pp. 293–299). New York: Gustav Fischer.
- Ripley, B. (2015a). *MASS: Support Functions and Datasets for Venables and Ripley’s MASS*. R package version 7.3-40.

- Ripley, B. (2015b). *nnet: Feed-Forward Neural Networks and Multinomial Log-Linear Models*. R package version 7.3-9.
- Roberto, C., Giordano, S., Cazzaro, M., and Lang, J. (2014). *hmmm: hierarchical multinomial marginal models*. R package version 1.0-3.
- le Roux, N. and Lubbe, S. (2013). *UBbipl: Understanding Biplots: Data Sets And Functions*. R package version 3.0.4.
- RStudio, Inc. (2011). *manipulate: Interactive Plots for RStudio*. R package version 0.98.977.
- RStudio, Inc. (2015). *shiny: Web Application Framework for R*. R package version 0.11.1.
- Sarkar, D. (2015). *lattice: Lattice Graphics*. R package version 0.20-31.
- Schloerke, B., Crowley, J., Cook, D., Hofmann, H., Wickham, H., Briatte, F., Marbach, M., and Thoen, E. (2014). *GGally: Extension to ggplot2*. R package version 0.5.0.
- Schwartz, G. (1978). Estimating the dimensions of a model. *Annals of Statistics*, 6, 461–464.
- Searle, S. R., Speed, F. M., and Milliken, G. A. (1980). Population marginal means in the linear model: An alternative to least squares means. *The American Statistician*, 34(4), 216–221.
- Shneiderman, B. (1992). Tree visualization with treemaps: A 2-D space-filling approach. *ACM Transactions on Graphics*, 11(1), 92–99.
- Shrout, P. E. and Fleiss, J. L. (1979). Intraclass correlations: Uses in assessing rater reliability. *Psychological Bulletin*, 86, 420–428.
- Simpson, E. H. (1951). The interpretation of interaction in contingency tables. *Journal of the Royal Statistical Society, Series B*, 30, 238–241.
- Skellam, J. G. (1948). A probability distribution derived from the binomial distribution by regarding the probability of success as variable between the sets of trials. *Journal of the Royal Statistical Society. Series B (Methodological)*, 10(2), 257–261.
- Snee, R. D. (1974). Graphical display of two-way contingency tables. *The American Statistician*, 28, 9–12.
- Snow, G. (2013). *TeachingDemos: Demonstrations for teaching and learning*. R package version 2.9.
- Spence, I. (1990). Visual psychophysics of simple graphical elements. *Journal of Experimental Psychology: Human Perception and Performance*, 16, 683–692.
- Spence, I. and Lewandowsky, S. (1990). Graphical perception. In J. Fox and J. S. Long, eds., *Modern Methods of Data Analysis*, chap. 1, (pp. 13–57). SAGE Publications.
- Srole, L., Langner, T. S., Michael, S. T., Kirkpatrick, P., Opler, M. K., and Rennie, T. A. C. (1978). *Mental Health in the Metropolis: The Midtown Manhattan Study*. New York: NYU Press.
- Stokes, M. E., Davis, C. S., and Koch, G. G. (2000). *Categorical Data Analysis Using the SAS System*. Cary, NC: SAS Institute, 2nd edn.
- Stubben, C., Milligan, B., and Nantel, P. (2012). *popbio: Construction and analysis of matrix population models*. R package version 2.4.

- Temple Lang, D., Swayne, D., Wickham, H., and Lawrence, M. (2014). *rggobi: Interface between R and GGobi*. R package version 2.1.20.
- Theus, M. and Lauer, S. R. W. (1999). Visualizing loglinear models. *Journal of Computational and Graphical Statistics*, 8(3), 396–412.
- Thornes, B. and Collard, J. (1979). *Who Divorces?* London: Routledge & Kegan.
- Thurstone, L. L. (1927). A law of comparative judgment. *Psychological Review*, 34, 278–286.
- Tufte, E. (2006). *Beautiful Evidence*. Cheshire, CT: Graphics Press.
- Tufte, E. R. (1983). *The Visual Display of Quantitative Information*. Cheshire, CT: Graphics Press.
- Tufte, E. R. (1990). *Envisioning Information*. Cheshire, CT: Graphics Press.
- Tufte, E. R. (1997). *Visual Explanations: Images and Quantities, Evidence and Narrative*. Cheshire, CT: Graphics Press.
- Tukey, J. W. (1962). The future of data analysis. *Annals of Mathematical Statistics*, 33, 1–67 and 81.
- Tukey, J. W. (1977). *Exploratory Data Analysis*. Reading, MA: Addison Wesley.
- Tukey, J. W. (1990). Data-based graphics: Visual display in the decades to come. *Statistical Science*, 5(3), 327–339.
- Tukey, J. W. (1993). Graphic comparisons of several linked aspects: Alternative and suggested principles. *Journal of Computational and Graphical Statistics*, 2(1), 1–33.
- Turner, H. and Firth, D. (2014). *gnm: Generalized Nonlinear Models*. R package version 1.0-7.
- Upton, G. J. G. (1976). The diagrammatic representation of three-party contests. *Political Studies*, 24, 448–454.
- Upton, G. J. G. (1994). Picturing the 1992 British general election. *Journal of the Royal Statistical Society, Series A*, 157(Part 2), 231–252.
- Urbanek, S. and Wichtrey, T. (2013). *iplots: iPlots - interactive graphics for R*. R package version 1.1-7.
- Vaidyanathan, R. (2013). *rCharts: Interactive Charts using Javascript Visualization Libraries*. R package version 0.4.5.
- Von Eye, A. and Mun, E. (2006). *Analyzing Rater Agreement: Manifest Variable Methods*. New York: Psychology Press, Taylor & Francis.
- Vuong, Q. H. (1989). Likelihood ratio tests for model selection and non-nested hypotheses. *Econometrica*, 57(2), pp. 307–333.
- Wainer, H. (1996). Using trilinear plots for NAEP state data. *Journal of Educational Measurement*, 33(1), 41–55.
- Wand, M. (2015). *KernSmooth: Functions for Kernel Smoothing Supporting Wand & Jones (1995)*. R package version 2.23-14.
- Wang, P. C. (1985). Adding a variable in generalized linear models. *Technometrics*, 27, 273–276.

- Warnes, G. R., Bolker, B., Gorjanc, G., Grothendieck, G., Korosec, A., Lumley, T., MacQueen, D., Magnusson, A., Rogers, J., and others (2014). *gdata: Various R programming tools for data manipulation*. R package version 2.13.3.
- Wei, T. (2013). *corrplot: Visualization of a correlation matrix*. R package version 0.73.
- Wickham, H. (2009). *ggplot2: Elegant Graphics for Data Analysis*. Springer New York.
- Wickham, H. (2014a). *plyr: Tools for splitting, applying and combining data*. R package version 1.8.1.
- Wickham, H. (2014b). *reshape2: Flexibly Reshape Data: A Reboot of the Reshape Package*. R package version 1.4.1.
- Wickham, H. and Chang, W. (2015). *ggplot2: An Implementation of the Grammar of Graphics*. R package version 1.0.1.
- Wilkinson, L. (2005). *The Grammar of Graphics*. New York: Springer, 2nd edn.
- Williams, D. A. (1987). Generalized linear model diagnostics using the deviance and single case deletions. *Applied Statistics*, 36, 181–191.
- Wimmer, G. and Altmann, G. (1999). *Thesaurus of univariate discrete probability distributions*. Essen: Stamm.
- Wong, R. S.-K. (2001). Multidimensional association models: A multilinear approach. *Sociological Methods and Research*, 30(2), 197–240.
- Wong, R. S.-K. (2010). *Association Models*. Quantitative Applications in the Social Sciences. Los Angeles: SAGE Publications.
- Wood, S. (2015). *mgcv: Mixed GAM Computation Vehicle with GCV/AIC/REML Smoothness Estimation*. R package version 1.8-6.
- Wood, S. N. (2004). Stable and efficient multiple smoothing parameter estimation for generalized additive models. *Journal of the American Statistical Association*, 99(467), 673–686.
- Wood, S. N. (2006). *Generalized Additive Models: An Introduction with R*. Chapman and Hall/CRC Press.
- Woolf, B. (1995). On estimating the relation between blood group and disease. *Annals of Human Genetics*, 19, 251–253.
- Wright, K. (2013). Revisiting Immer's barley data. *The American Statistician*, 67(3), 129–133.
- Wright, K. (2015). *agridat: Agricultural Datasets*. R package version 1.11.
- Xie, Y. (2014). *animation: A gallery of animations in statistics and utilities to create animations*. R package version 2.3.
- Xie, Y. (2015). *knitr: A General-Purpose Package for Dynamic Report Generation in R*. R package version 1.9.
- Yee, T. W. (2015). *VGAM: Vector Generalized Linear and Additive Models*. R package version 0.9-7.
- Yip, K. C. and Yau, K. K. (2005). On modeling claim frequency data in general insurance with extra zeros. *Insurance: Mathematics and Economics*, 36(2), 153–163.

- Zeileis, A. (2004). Econometric computing with hc and hac covariance matrix estimators. *Journal of Statistical Software*, 11(10), 1–17.
- Zeileis, A. (2006). Object-oriented computation of sandwich estimators. *Journal of Statistical Software*, 16(9), 1–16.
- Zeileis, A., Hornik, K., and Murrell, P. (2009). Escaping RGBland: Selecting colors for statistical graphics. *Computational Statistics & Data Analysis*, 53, 3259–3270.
- Zeileis, A. and Kleiber, C. (2014). *countreg: Count Data Regression*. R package version 0.1-2/r88.
- Zeileis, A., Kleiber, C., and Jackman, S. (2008). Regression models for count data in R. *Journal of Statistical Software*, 27(8).
- Zeileis, A., Meyer, D., and Hornik, K. (2007). Residual-based shadings for visualizing (conditional) independence. *Journal of Computational and Graphical Statistics*, 16(3), 507–525.
- Zelterman, D. (1999). *Models for Discrete Data*. New York: Oxford University Press.