

---

## References

---

- Abayomi, K., Gelman, A. and Levy, M. (2008) Diagnostics for multivariate imputations. *J. R. Statist. Soc.*, **57**, 273–291.
- Aekplakorn, W., Bunnag, P., Woodward, M. *et al.* (2006) A risk score for predicting incident diabetes in the Thai population. *Diabetes Care*, **29**, 1872–1877.
- Agresti, A. (1996) *Introduction to Categorical Data Analysis*. John Wiley & Sons, New York.
- Agresti, A. and Min, Y. (2004) Effects and non-effects of paired identical observations in comparing proportions with binary matched-pairs data. *Statist. Med.*, **23**, 65–75.
- Akaike, H. (1974) A new look at statistical model identification. *IEEE Trans. Automatic Control*, **19**, 716–723.
- Allison, P.D. (1995) *Survival Analysis Using the SAS System, A Practical Guide*. SAS Institute Inc., Cary, NC.
- Allison, P.D. (2001) *Missing Data*. Sage University Press, Thousand Oaks, CA.
- Altman, D.G. (1985) Comparability of randomized groups. *Statistician*, **34**, 125–136.
- Altman, D.G. (1991) *Practical Statistics for Medical Research*. Chapman & Hall, London.
- Altman, D.G. (1998) Confidence intervals for the number needed to treat. *BMJ*, **317**, 1309–1312.
- Altman, D.G. and Andersen, P.K. (1999) Calculating the number needed to treat for trials where the outcome is time to an event. *BMJ*, **319**, 1492–1495.
- Altman, D.G. and De Stavola, B.L. (1994) Practical problems in fitting a proportional hazards model to data with updated measurements of the covariates. *Statist. Med.*, **13**, 301–341.
- Altman, D.G., Machin, D., Bryant T.N. and Gardner, M.J. (Eds.) (2000) *Statistics with Confidence: Confidence Intervals and Statistical Guidelines*. BMJ Books, London.
- Andersen, P.K. and Gill, R.D. (1982) Cox's regression model for counting processes: a large sample study. *Ann. Statist.*, **10**, 1100–1120.
- Anderson, P., Bartlett C., Cook, G. and Woodward, M. (1985) Legionnaires disease in Reading — possible association with a cooling tower. *Comm. Med.*, **7**, 202–207.
- Andridge, R.R. and Little, R.J.A. (2010) A review of hot deck imputation for survey non-response. *Int. Statist. Rev.*, **78**, 40–64.
- Arbogast, P.G. (2010) Performance of floating absolute risks. *Int. J. Epidemiol.*, **162**, 487–490.
- Armitage, P. (1955) Tests for linear trends in proportions and frequencies. *Biometrics*, **11**, 375–386.
- Armitage, P., Berry, G. and Matthews, J.N.S. (2001) *Statistical Methods in Medical Research*, 4th ed. Blackwell, Oxford.
- Armstrong, B.G. and Sloan, M. (1989) Ordinal regression models for epidemiologic data. *Am. J. Epidemiol.*, **129**, 191–204.
- Ashton, J. (Ed.) (1994) *The Epidemiological Imagination*. Open University Press, Buckingham.
- Asia Pacific Cohort Studies Collaboration (2003a) Cholesterol, coronary heart disease and stroke in the Asia–Pacific region. *Int. J. Epidemiol.*, **32**, 563–572.
- Asia Pacific Cohort Studies Collaboration (2003b) The effects of diabetes on the risks of major cardiovascular diseases and death in the Asia–Pacific region. *Diabetes Care*, **26**, 360–366.
- Austin, P.C. (2007) Propensity-score matching in the cardiovascular surgery literature from 2004 to 2006: a systematic review and suggestions for improvement. *J. Thorac. Cardiovasc. Surg.*, **134**, 1128–1135.

- Austin, P.C. (2008) A critical appraisal of propensity-score matching in the medical literature between 1996 and 2003. *Statist. Med.*, **27**, 2037–2049.
- Austin, P.C. (2009) Balance diagnostics for comparing the distribution of baseline covariates between treatment groups in propensity-score matched samples. *Statist. Med.*, **28**, 3083–3107.
- Austin, P.C. (2010) Statistical criteria for selecting the optimal number of untreated subjects matched to each treated subject when using many-to-one matching on the propensity score. *Am. J. Epidemiol.*, **172**, 1092–1097.
- Austin, P.C. (2011) Optimal caliper widths for propensity-score matching when estimating differences in means and differences in proportions in observational studies. *Pharmaceut. Statist.*, **10**, 150–161.
- Austin, P.C. and Mamdani, M.M. (2006) A comparison of propensity score methods: a case-study estimating the effectiveness of post-AMI statin use. *Statist. Med.*, **25**, 2084–2106.
- Autier, P., Dore, J.-F., Lejeune, F.J. *et al.* (1996) Sun protection in childhood or early adolescence and reduction of melanoma risk in adults: an EORTC case-control study in Germany, Belgium and France. *J. Epidemiol. Biostatist.*, **1**, 51–57.
- Bachrach, V.R.G., Schwarz, E. and Bachrach, L.R. (2003) Breastfeeding and the risk of hospitalisation for respiratory disease in infancy. *Arch. Pediatr. Adolesc. Med.*, **157**, 237–243.
- Badger, G.D., Nursten, J., Williams, P. and Woodward, M. (1999) *Systematic Review of the International Literature on Mentally Disordered Offending*. NHS Centre for Reviews and Dissemination Report 15, University of York.
- Bakoyannis, G. and Touloumi, G. (2012) Practical methods for competing risks data: a review. *Stat. Methods Med. Res.*, **21**, 257–272.
- Barbash, G.I., White, H.D., Modam, M. *et al.* (1993) Significance of smoking in patients receiving thrombolytic therapy for acute myocardial infarction. *Circulation*, **87**, 53–58.
- Barker, N. (2005) A practical introduction to the bootstrap using the SAS system. <http://www.lexjansen.com/phuse/2005/pk/pk02.pdf>.
- Barker, N., Hews, R.J., Huitson, A. and Poloniecki, J. (1982) The two period cross-over trial. *BIAS*, **9**, 67–116.
- Barlow, W.E., Ichikawa, L., Rosner, D. and Izumi, S. (1999) Analysis of case-cohort designs. *J. Clin. Epidemiol.*, **52**, 1165–1172.
- Barnard, J. and Rubin, D.B. (1999) Small-sample degrees of freedom with multiple imputation. *Biometrika*, **86**, 948–955.
- Barzi, F. and Woodward, M. (2004) Imputations of missing values in practice: results from imputations of serum cholesterol in 28 cohort studies. *Am. J. Epidemiol.*, **160**, 34–45.
- Barzi, F., Woodward, M., Marfisi, R.M. *et al.* (2003) Mediterranean diet and all-causes mortality after myocardial infarction: results from the GISSI-Prevenzione trial. *Eur. J. Clin. Nutr.* **57**, 604–611.
- Basnayake, S., De Silva, S.V., Miller, P.C. and Rogers, S. (1983) A comparison of Norinyl and Brevicon in 3 sites in Sri Lanka. *Contraception*, **27**, 453–464.
- Bates, D.M. and Watts, D.G. (1988) *Non-linear Regression Analysis and Its Applications*. John Wiley & Sons, New York.
- Belsley, D.A., Kuh, E. and Welsch, R.E. (1980) *Regression Diagnostics: Identifying Influential Data and Sources of Collinearity*. John Wiley & Sons, New York.
- Bender, R. and Blettner, M. (2002) Calculating the 'number needed to be exposed' with adjustment for confounding variables in epidemiological studies. *J. Clin. Epidemiol.*, **55**, 525–530.
- Benichou, J. (1991) Methods of adjustment for estimating the attributable risk in case-control studies: a review. *Statist. Med.*, **10**, 1753–1773.
- Benichou, J. (2001) A review of adjusted estimators of attributable risk. *Stat. Methods Med. Res.*, **10**, 195–216.
- Benichou, J. and Gail, M.H. (1990) Variance calculations and confidence intervals for estimates of the attributable risk based on logistic models. *Biometrics*, **46**, 991–1003.
- Ben-Tovim, D., Whitehead, J. and Crisp, A.H. (1979) A controlled study of the perception of body width in anorexia nervosa. *J. Psychosomatic Res.*, **23**, 267–272.

- Berkey, C.S., Hoaglin, D.C., Mosteller, F. and Colditz, G.A. (1995) A random-effects regression model for meta-analysis. *Statist. Med.*, **14**, 395–411.
- Berlin, J.W. and Colditz, G.A. (1990) A meta-analysis of physical activity in the prevention of coronary heart disease. *Am. J. Epidemiol.*, **132**, 612–628.
- Bernaards, C.A., Belin, T.R. and Schafer, J.L. (2007) Robustness of a multivariate normal approximation for imputation of incomplete binary data. *Statist. Med.*, **26**, 1368–1382.
- Berry, D.A. (2011) Adaptive clinical trials in oncology. *Nature Rev.* **9**, 199–207.
- Berry, G. (1983) The analysis of mortality by the subject-years method. *Biometrics*, **39**, 173–184.
- Bibbins-Domingo, K., Chertow, G.M., Coxson, P.G. *et al* (2010) Projected effect of dietary salt reductions on future cardiovascular disease. *New England J. Med.*, **362**, 590–599.
- Biesheuvel, C.J., Vergouwea, Y., Steyerberg, E.W., Grobbee, D.E. and Moons, K.G.M. (2008) Polytomous logistic regression analysis could be applied more often in diagnostic research. *J. Clin. Epidemiol.*, **61**, 125–134.
- Birkes, D. and Dodge, Y. (1993) *Alternative Methods of Regression*. John Wiley & Sons, New York.
- Bland, J.M. and Altman, D.G. (1986) Statistical methods for assessing agreement between two methods of clinical measurement. *Lancet*, **i**, 307–310.
- Bland, J.M. and Altman, D.G. (1987) Statistics notes: Cronbach's alpha. *BMJ*, **314**, 572.
- Bland, J.M. and Altman, D.G. (1994) Statistics notes: some examples of regression towards the mean. *BMJ*, **309**, 780.
- Bland, M. (2000) *An Introduction to Medical Statistics*, 3rd ed. Oxford University Press, Oxford.
- Bleeker, S.E., Moll, H.A., Steyerberg, E.W., *et al*. (2003) External validation is necessary in prediction research: a clinical example. *J. Clin. Epidemiol.*, **56**, 826–832.
- Blettner, M., Sauerbrei, W., Schlehofer, B., Scheuchenpflug, T. and Friedenreich, C. (1999) Traditional reviews, meta-analysis and pooled analyses in epidemiology. *Int. J. Epidemiol.*, **28**, 1–9.
- Boffetta, P. (2002) Involuntary smoking and lung cancer. *Scand. J. Work Environ. Health*, **28** Suppl. 2, 30–40.
- Bolton-Smith, C., Smith, W.C.S., Woodward, M. and Tunstall-Pedoe, H. (1991) Nutrient intakes of different social-class groups: results from the Scottish Heart Health Study. *Br. J. Nutr.*, **65**, 321–335.
- Bolton-Smith, C. and Woodward, M. (1995) Intrinsic, non-milk extrinsic and milk sugar consumption by Scottish adults. *J. Human Nutr. Dietetics*, **8**, 35–49.
- Bolton-Smith, C. and Woodward, M. (1997) Trends in energy intake and body mass index across smoking habit groups for men. *Proc. Nutr. Soc.*, **56**, 66A.
- Bolton-Smith, C., Woodward, M., Smith, W.C.S. and Tunstall-Pedoe, H. (1991) Dietary and nondietary predictors of serum total and HDL-cholesterol in men and women: results from the Scottish Heart Health Study. *Int. J. Epidemiol.*, **20**, 95–104.
- Boos, D.D. (2003) Introduction to the bootstrap world. *Statist. Sci.*, **2**, 168–174.
- Borenstein, M., Hedges, L.V., Higgins, J.P.T. and Rothstein, H.R. (2009) *Introduction to Meta-Analysis*. Wiley, Chichester.
- Bortner, K.W. (1969) A short rating scale as a potential measure of pattern A behaviour. *J. Chronic Dis.*, **22**, 87–91.
- Box, G.E.P. and Cox, D.R. (1964) An analysis of transformations. *J. R. Statist. Soc. B*, **26**, 211–252.
- Boyce, T.G., Koo, D., Swerdlow, D.L. *et al*. (1996) Recurrent outbreaks of *Salmonella* enteritidis infections in a Texas restaurant: phage type 4 arrives in the United States. *Epidemiol. Infect.*, **117**, 29–34.
- Boyle, P., Maisonneuve, P. and Doré, J.F. (1995) Epidemiology of malignant melanoma. *Br. Med. Bull.*, **51**, 523–547.
- Braathan, G., von Bahr, L. and Theorell, K. (1997) Motor impairments in children with epilepsy treated with carbamazepine. *Acta Paediatr.*, **86**, 372–376.
- Breslow, N.E. (1984) Elementary methods of cohort analysis. *Int. J. Epidemiol.*, **13**, 112–115.
- Breslow, N.E. and Day, N.E. (1993) *Statistical Methods in Cancer Research. Volume I — The Analysis of Case-Control Studies*. Oxford University Press, New York.
- Breslow, N.E. and Day, N.E. (1994) *Statistical Methods in Cancer Research. Volume II — The Design and Analysis of Cohort Studies*. Oxford University Press, New York.

- Breslow, N.E., Day, N.E., Halvorsen, K.T., Prentice, R.L. and Sabai, C. (1978) Estimation of multiple relative risk functions in matched case-control studies. *Am. J. Epidemiol.*, **108**, 299–307.
- Breslow, N.E., Lumley, T., Ballantyne, C.M., Chambless, L.E. and Kulich, M. (2009) Using the whole cohort in the analysis of case-cohort data. *Am. J. Epidemiol.*, **169**, 1398–1405.
- Bretz, F., Koenig, F., Brannath, W., Glimm, E. and Posch, M. (2009) Adaptive designs for confirmatory clinical trials. *Statist. Med.*, **28**, 1181–1217.
- Brier, G.W. (1950) Verification of forecasts expressed in terms of probability. *Monthly Weather Rev.*, **78**, 1–3.
- Bristol, D.R. (1989) Sample sizes for constructing confidence intervals and testing hypotheses. *Statist. Med.*, **8**, 803–811.
- Brown, H. and Prescott, R. (2006) *Applied Mixed Models in Medicine*. 2nd ed. John Wiley & Sons, Chichester.
- Buck, C., Llopis, A., Nájera, E. and Terris, M. (Eds.) (1988) *The Challenge of Epidemiology. Issues and Selected Readings*. World Health Organization, Washington, DC.
- Calle, E.E., Mervis, C.A., Wingo, P.A., Thun, M.J., Rodriguez, C. and Heath, C.W. (1995) Spontaneous abortion and risk of fatal breast cancer in a prospective cohort of United States women. *Cancer Causes Control*, **6**, 460–468.
- Campbell, I. (2007) Chi-squared and Fisher–Irwin tests of two-by-two tables with small sample recommendations. *Statist. Med.*, **26**, 3661–3675.
- Campbell, M., Grimshaw, J. and Steen, N. (2000) Sample size calculations for cluster randomised trials. *J. Health Serv. Res. Policy*, **5**, 12–16.
- Campbell, M.J., Machin, D. and Walters, S.J. (2007) *Medical Statistics. A Textbook for the Medical Sciences*, 4th ed. John Wiley & Sons, Chichester.
- Campbell, M.K., Feuer, E.J. and Wun, L.-M. (1994) Cohort-specific risks of developing breast cancer to age 85 in Connecticut. *Epidemiology*, **5**, 290–296.
- Campbell, M.K., Mollison, J. and Grimshaw, J.M. (2001) Cluster trials in implementation research: estimation of intracluster correlation coefficients and sample size. *Statist. Med.*, **20**, 391–399.
- Carpenter, J. and Bithell, J. (2000) Bootstrap confidence intervals: when, which, what? A practical guide for medical statisticians. *Statist. Med.*, **19**, 1141–1164.
- Carroll, R.J., Ruppert, D., Stefanski, L.A. and Crainiceanu, C.M. (2006) *Measurement Error in Nonlinear Models*. 2nd ed. Chapman & Hall/CRC Press, Boca Raton, FL.
- Casagrande, J.T., Pike, M.C. and Smith, P.G. (1978) The power function of the exact test for comparing two binomial distributions. *Appl. Statist.*, **27**, 176–180.
- Chambless, L.E., Cummiskey, C.P. and Cui, G. (2011) Several methods to assess improvement in risk prediction models: extension to survival analysis. *Statist. Med.*, **30**, 22–38.
- Chan, A.-W., Tetzlaff, J.M., Altman, D.G. *et al.* (2013) SPIRIT 2013 statement: defining standard protocol items for clinical trials. *Annals Int. Med.*, **158**, 200–207.
- Chatterjee, S. and Price, B. (2000) *Regression Analysis by Example*, 3rd ed. John Wiley & Sons, New York.
- Choudhury, J.B. (2002). Non-parametric confidence interval estimation for competing risks analysis: application to contraceptive data. *Statist. Med.*, **21**, 1129–1144.
- Clarke, G.M. and Cooke, D. (2004) *A Basic Course in Statistics*, 5th ed. Arnold, London.
- Clarke, G.M. and Kempson, R.E. (1997) *Introduction to the Design and Analysis of Experiments*. Arnold, London.
- Clarke, R., Shipley, M., Lewington, S. *et al.* (1999) Underestimation of risk associations due to regression dilution in long-term follow-up of prospective studies. *Am. J. Epidemiol.*, **150**, 341–353.
- Clayton, D. and Cuzick, J. (1985) Multivariate generalizations of the proportional hazards model (with discussion). *J. R. Statist. Soc. A*, **148**, 82–117.
- Clayton, D. and Hills, M. (1993) *Statistical Models in Epidemiology*. Oxford University Press, Oxford.
- Clayton, D. and Schifflers, E. (1987a) Models for temporal variation in cancer rates. I: Age-period and age-cohort models. *Statist. Med.*, **6**, 449–468.

- Clayton, D. and Schifflers, E. (1987b) Models for temporal variation in cancer rates. II: Age-period-cohort models. *Statist. Med.*, **6**, 469–481.
- Cleveland, W. S. (1979) Robust locally weighted regression and smoothing scatterplots. *J. Am. Statist. Assoc.*, **74**, 829–836.
- Cochran, W.G. (1977) *Sampling Techniques*, 3rd ed. John Wiley & Sons, New York.
- Cochrane, A.L., St. Leger, A.S. and Moore, F. (1978) Health service 'input' and mortality 'output' in developed countries. *J. Epidemiol. Comm. Health*, **32**, 200–205.
- Cohen, J. (1968) Weighted kappa: nominal scale agreement with provision for scaled disagreement or partial credit. *Psychol. Bull.*, **70**, 213–220.
- Cole, P. and McMahon, B. (1971) Attributable risk percent in case-control studies. *Br. J. Prev. Soc. Med.*, **25**, 242–244.
- Collett, D. (2002) *Modelling Binary Data*, 2nd ed. Chapman & Hall, London.
- Collett, D. (2003) *Modelling Survival Data in Medical Research*, 2nd ed. Chapman & Hall, London.
- Conover, W.J. (1999) *Practical Nonparametric Statistics*, 3rd ed. John Wiley & Sons, New York.
- Cook, N.R. (2008) Statistical evaluation of prognostic versus diagnostic models: beyond the ROC curve. *Clin. Chem.*, **54**, 17–23.
- Cook, R.J, Zeng, L. and Yi, G.Y. (2004) Marginal analysis of incomplete longitudinal binary data: a cautionary note on LOCF imputation. *Biometrics*, **60**, 820–828.
- Cornfield, J. (1956) A statistical problem arising from retrospective studies, in *Proceedings of the Third Berkeley Symposium on Mathematical Statistics and Probability* (Ed. J. Newman). University of California Press, Berkeley.
- Coughlin, S.S., Benichou, J. and Weed, D.L. (1994) Attributable risk estimation in case-control studies. *Epidemiol. Rev.*, **16**, 51–64.
- Cox, D.R. (1958) Two further applications of a model for binary regression. *Biometrika*, **45**, 562–565.
- Cox, D.R. (1972) Regression models and life tables (with discussion). *J. R. Statist. Soc. B*, **74**, 187–220.
- Cox, D.R. and Oakes, D. (1984) *Analysis of Survival Data*. Chapman & Hall, London.
- Crombie, I.K., Todman, J., McNeill, G., Florey, C. du V., Menzies, I. and Kennedy, R.A. (1990) Effect of vitamin and mineral supplementation on verbal and nonverbal reasoning of schoolchildren. *Lancet*, **335**, 744–747.
- Crowther, C.A., Verkuyll, D.A.A., Neilson, J.P., Bannerman, C. and Ashurst, H.M. (1990) The effects of hospitalization for rest on fetal growth, neonatal morbidity and length of gestation in twin pregnancy. *Br. J. Obstet. Gynaecol.*, **97**, 872–877.
- Crowther, M.J., Abrams, K.R. and Lambert, P.C. (2012) Flexible parametric joint modelling of longitudinal and survival data. *Statist. Med.*, **31**, 4456–4471.
- Cui, J. (2007) QIC program and model selection in GEE analyses. *Stata J.*, **7**, 209–220.
- Cumming, R.G. and Le Couteur, D.G. (2003) Benzodiazepines and risk of hip fractures in older people: a review of the evidence. *CNS Drugs*, **17**, 825–837.
- D'Agostino, R.B. Sr., Vasan, R.S., Pencina, M.J. *et al.* (2008) General cardiovascular risk profile for use in primary care: the Framingham Heart Study. *Circulation*, **117**, 743–753.
- Dahabreh, I.J., Sheldrick, R.C., Paulus, J.K. *et al.* (2012) Do observational studies using propensity score methods agree with randomized trials? A systematic comparison of studies on acute coronary syndromes. *Eur. Heart J.*, **33**, 1893–1901.
- Daly, E., Vessey, M.P., Hawkins, M.M., Carson, J.L., Gough, P. and Marsh, S. (1996) Risk of venous thromboembolism in users of hormone replacement therapy. *Lancet*, **348**, 977–980.
- Davison, A.C. and Hinkley, D.V. (2006) *Bootstrap Methods and Their Application*. Cambridge University Press, Cambridge.
- Day, N.E., Byar, D.P. and Green, S.B. (1980) Overadjustment in case-control studies. *Am. J. Epidemiol.*, **112**, 696–706.
- de Boor, C. (1978) *A Practical Guide to Splines*. New York, Springer-Verlag.
- DeLong, E.R., DeLong, D.M. and Clarke-Pearson D.L. (1988) Comparing the areas under two or more correlated receiver operating characteristic curves: a nonparametric approach. *Biometrics*, **44**, 837–845.

- DeMets, D.L. and Lan, K.K. (1994) Interim analysis: the alpha spending function approach. *Statist. Med.*, **13**, 1341–1352.
- DerSimonian, R. and Laird, N. (1986) Meta-analysis in clinical trials. *Control. Clin. Trials*, **7**, 177–188.
- Diamond, G.A. (1992) What price perfection? Calibration and discrimination of clinical prediction models. *J. Clin. Epidemiol.*, **45**, 85–89.
- DiCiccio, T. and Efron, B. (1992) More accurate confidence intervals in exponential families. *Biometrika*, **79**, 231–245.
- Dickersin, K. (2002) Systematic reviews in epidemiology: why are we so far behind? *Int. J. Epidemiol.*, **31**, 6–12.
- Diggle, P.J., Heagerty, P., Liang, K.-Y. and Zeger, S.L. (2002) *Analysis of Longitudinal Data*. 2nd ed. Oxford University Press, New York.
- Ditchburn, R.K. and Ditchburn, J.S. (1990) A study of microscopical and chemical tests for the rapid diagnosis of urinary tract infections in general practice. *Br. J. Gen. Practice.*, **40**, 406–408.
- Dobson, A.J., Kuulasmaa, K. and Eberle, E. (1991) Confidence intervals for weighted sums of Poisson parameters. *Statist. Med.*, **10**, 457–462.
- Doll, R. and Hill, A.B. (1950) Smoking and carcinoma of the lung. Preliminary report. *BMJ*, **ii**, 739–748.
- Doll, R. and Hill, A.B. (1952) A study of the aetiology of carcinoma of the lung. *BMJ*, **ii**, 1271–1286.
- Doll, R. and Hill, A.B. (1964) Mortality in relation to smoking: ten years' observations of British doctors. *BMJ*, **i**, 1399–1410, 1460–1467.
- Doll, R. and Peto, R. (1976) Mortality in relation to smoking: 20 years' observations on male British doctors. *BMJ*, **ii**, 1525–1536.
- Doll, R., Peto, R., Boreham, J. and Sutherland, I. (2004) Mortality in relation to smoking: 50 years' observations on male British doctors. *BMJ*, **328**, 1519–1527.
- Doll, R., Peto, R., Wheatley, K., Gray, R. and Sutherland, I. (1994) Mortality in relation to smoking: 40 years' observations on male British doctors. *BMJ*, **309**, 901–911.
- Donner, A. and Klar, N. (2000) *Design and Analysis of Cluster Randomisation Trials in Health Research*. Oxford University Press, New York.
- Donner, A. and Li, K.Y.R. (1990) The relationship between chi-square statistics from matched and unmatched analyses. *J. Clin. Epidemiol.*, **43**, 827–831.
- Dorman, P.J., Slattery, J., Farrell, B. *et al.* (1997) A randomised comparison of the EuroQol and Short Form-36 after stroke. *BMJ*, **315**, 461.
- Draper, N.R. and Smith, H. (1998) *Applied Regression Analysis*, 3rd ed. John Wiley & Sons, New York.
- Drews, C.D., Kraus, J.F. and Greenland, S. (1990) Recall bias in a case-control study of sudden infant death syndrome. *Int. J. Epidemiol.*, **19**, 405–411.
- Du Mond, C. (1992) An application of the sequential probability ratio test to an unblinded clinical trial of ganciclovir versus no treatment in the prevention of CMV pneumonia following bone marrow transplantation, in *Biopharmaceutical Sequential Statistical Applications* (Ed. K.E. Peace), Statistics, Textbooks and Monographs Vol. 128. Marcel Dekker, New York.
- Duffy, J.C. (1995) Alcohol consumption and all-causes mortality. *Int. J. Epidemiol.*, **24**, 100–105.
- Durkheim, E. (1951) *Suicide: A Study in Sociology*. Free Press, New York.
- Duval, S. and Tweedie, R. (2000) Trim and fill: a simple funnel plot based method of testing and adjusting for publication bias in meta-analysis. *Biometrics*, **56**, 455–463.
- Easterbrook, P.J., Berlin, J.A., Gopalan, R. and Matthews, D.R. (1991) Publication bias in clinical research. *Lancet*, **337**, 867–872.
- Easton, D.F., Peto, J. and Babiker, A.G.A.G. (1991) Floating absolute risk: an alternative to relative risk in survival and case-control analysis avoiding an arbitrary reference group. *Statist. Med.*, **10**, 1025–1035.
- Efron, B. (1979) Bootstrap methods: another look at the jackknife. *Annals Statist.*, **7**, 1–26.
- Efron, B. (1987) Better bootstrap confidence intervals. *JAMA*, **82**, 171–185.
- Efron, B. and Gong, G. (1983) A leisurely look at the bootstrap, the jackknife, and cross-validation. *Am. Statistician*, **37**, 36–48.

- Efron, B. and Tibshirani, R.J. (1993) *An Introduction to the Bootstrap*. Chapman & Hall, New York.
- Egger, M., Schneider, M. and Smith, G.D. (1998) Spurious precision? Meta-analysis of observational studies. *BMJ*, **316**, 140–144.
- Egger, M., Smith, G.D., Schneider, M. and Minder, C. (1997) Bias in meta-analysis detected by a simple, graphical test. *BMJ*, **315**, 629–634.
- Elbourne, D.R., Altman, D.G., Higgins, J.P.T., Curtin, F., Worthington, H.V. and Vail, A. (2002) Meta-analysis involving cross-over trials: methodological issues. *Int. J. Epidemiol.*, **31**, 140–149.
- Ernster, V.L. (1994) Nested case-control studies. *Prev. Med.*, **23**, 587–590.
- Eyding, D., Lelgemann, M., Grouven, U. *et al.* (2010) Reboxetine for acute treatment of major depression: systematic review and meta-analysis of published and unpublished placebo and selective serotonin reuptake inhibitor controlled trials. *BMJ*, **341**, c4737. doi: 10.1136/bmj.c4737.
- Feinstein, A.R., Walter, S.D. and Horwitz, R.I. (1986) An analysis of Berkson's bias in case-control studies. *J. Chronic Dis.*, **39**, 495–504.
- Fibrinogen Studies Collaboration (2005) Plasma fibrinogen level and the risk of major cardiovascular diseases and nonvascular mortality: an individual participant meta-analysis. *JAMA*, **294**, 1799–1809.
- Fihn, S.D., Boyko, E.J., Normand, E.H. *et al.* (1996) Association between use of spermicide-coated condoms and *Escherichia coli* urinary tract infection in young women. *Am. J. Epidemiol.*, **144**, 512–520.
- Fine, J.P. and Gray, R.J. (1999) A proportional hazards model for the subdistribution of a competing risk. *J. Am. Statist. Assoc.*, **94**, 496–509.
- Fisher, R.A. and Yates, F. (1963) *Statistical Tables for Biological, Agricultural and Medical Research*, 6th ed. Oliver and Boyd, Edinburgh.
- Flanders, W.D., DeSimonian, R. and Freedman, D.S. (1992) Interpretation of linear regression models that include transformations or interaction terms. *Ann. Epidemiol.*, **2**, 735–744.
- Flanders, W.D. and Rhodes, P.H. (1987) Large sample confidence intervals for regression standardized risks, risk ratios, and risk differences. *J. Chron. Dis.*, **40**, 697–704.
- Fleiss, J.L. (1993) The statistical basis of meta-analysis. *Statist. Methods Med. Res.*, **2**, 121–145.
- Fleiss, J.L. and Levin, B. (1988) Sample size determination in studies with matched pairs. *J. Clin. Epidemiol.*, **41**, 727–730.
- Fleiss, J.L., Levin, B. and Paik, M.C. (2003) *Statistical Methods for Rates and Proportions*, 3rd ed. John Wiley & Sons, New York.
- Fleming, T.R. and Harrington, D.P. (1991) *Counting Processes and Survival Analysis*. John Wiley & Sons, New York.
- Forster, D.P., Newens, A.J., Kay, D.W.K. and Edwardson, J.A. (1995) Risk factors in clinically diagnosed presenile dementia of the Alzheimer type: a case-control study in northern England. *J. Epidemiol. Comm. Health*, **49**, 253–258.
- Fransen, M., Woodward, M., Norton, R., Robinson, E., Butler, J. and Campbell, A.J. (2002) Excess mortality or institutionalisation following hip fracture: men are at greater risk than women. *J. Am. Geriatr. Soc.*, **50**, 685–690.
- Freedman, D., Pisani, R. and Purves, R. (1997) *Statistics*, 3rd ed. Norton, New York.
- Freedman, L.S. (1982) Tables of the number of patients required in clinical trials using the logrank test. *Statist. Med.*, **1**, 121–130.
- Freiman, J.A., Chalmers, T.C., Smith, H. and Kuebler, R.R. (1978) The importance of beta, the type II error and sample size in the design and interpretation of the randomized control trial. *N. Engl. J. Med.*, **299**, 690–694.
- Frost, C. and Thompson, G. (2000) Correcting for regression dilution bias: comparison of methods for a single predictor variable. *J. R. Statist. Soc. A*, **163**, 173–189.
- Gadbury, G.L., Coffey, C.S. and Allison, D.B. (2003) Modern statistical methods for handling missing repeated measurements in obesity trial data: beyond LOCF. *Obesity Rev.*, **4**, 175–184.
- Galbraith, R.F. (1988) A note on graphical presentation of estimated odds ratios from several clinical trials. *Statist. Med.*, **7**, 889–894.
- Ganna, A., Reilly, M., de Faire, U., Pedersen, N., Magnusson, P. and Ingelsson, E. (2012) Risk prediction measures for case-cohort and nested case-control designs: an application to cardiovascular disease. *Am. J. Epidemiol.*, **175**, 715–724.

- Gart, J.J. (1969) An exact test for comparing matched proportions in crossover designs. *Biometrika*, **56**, 75–80.
- Gault, L.V., Shultz, M. and Davies, K.J. (2002) Variations in Medical Subject Headings (MeSH) mapping: from the natural language of patron terms to the controlled vocabulary of mapped lists. *J. Med. Libr. Assoc.*, **90**, 173–180.
- Gefeller, O. (1992) Comparison of adjusted attributable risk estimators. *Statist. Med.*, **11**, 2083–2091.
- Gillespie, B.W., Halpern, M.T. and Warner, K.E. (1994) Patterns of lung cancer risk in exsmokers, in *Case Studies in Biometry* (Eds. N. Lange *et al.*), John Wiley & Sons, New York.
- Girgis, S., Neal, B., Prescott, J. *et al.* (2003) A one-quarter reduction of the salt content of bread can be made without detection. *Eur. J. Clin. Nutr.*, **57**, 616–620.
- Good, P.I. (2005) *Permutation, Parametric, and Bootstrap Tests of Hypotheses*. 3rd ed. Springer, New York.
- Good, P.I. (2006) *Resampling Methods: A Practical Guide to Data Analysis*, 3rd ed. Birkhauser, Boston.
- Gore, S.M. and Altman, D.G. (1982) *Statistics in Practice*. British Medical Association, London.
- Graham, J.W. (2009) Missing data analysis: making it work in the real world. *Ann. Rev. Psych.*, **60**, 549–576.
- Graham, J.W., Olchowski, A.E. and Gilreath, T.D. (2007) How many imputations are really needed? Some practical clarifications of multiple imputation theory. *Prev. Sci.*, **8**, 206–213.
- Gray, R. (1988). A class of  $K$ -sample tests for comparing the cumulative incidence of a competing risk. *Annals Statist.*, **16**, 1141–1154.
- Greenland, S. (1989) Modeling and variable selection in epidemiologic analysis. *Am. J. Epidemiol.*, **79**, 340–349.
- Greenland, S. (1994) A critical look at some popular meta-analytic methods (with discussion). *Am. J. Epidemiol.*, **140**, 290–302.
- Greenland, S. (2004) Estimating standardized parameters from generalized linear models. *Statist. Med.*, **10**, 1069–1074.
- Greenland, S. and Longnecker, M.P. (1992) Methods for trend estimation from summarized dose response data, with applications to meta-analysis. *Am. J. Epidemiol.*, **135**, 1301–1309.
- Greenland, S., Michels, K.B., Robins, J.M., Poole, C. and Willett, W.C. (1999). Presenting statistical uncertainty in trends and dose–response relations. *Am. J. Epidemiol.*, **149**, 1077–1086, plus Letters on pages 393–394 of same journal (2000).
- Greenland, S. and Robins, J.M. (1985) Estimation of a common effect parameter from sparse follow-up data. *Biometrics*, **41**, 55–68.
- Greenland, S. and Salvan, A. (1990) Bias in the one-step method for pooling study results. *Statist. Med.*, **9**, 247–252.
- Greenwood, M. (1926) *Reports on Public Health and Medical Subjects*. No. 33, Appendix 1. HMSO, London.
- Guo, S. and Fraser, M.W. (2010). *Propensity Score Analysis: Statistical Methods and Applications*. Sage, Thousand Oaks, CA.
- Haneuse, S., Schildcrout, J. and Gillen, D. (2012) A two-stage strategy to accommodate general patterns of confounding in the design of observational studies. *Biostatistics*, **13**, 274–288.
- Hanley, J.A. and McNeil, B.J. (1982) The meaning and use of the area under a receiver operating characteristic (ROC) curve. *Radiology*, **143**, 29–36.
- Hardin, J.W. and Hilbe, J.M. (2013) *Generalized Estimating Equations*, 2nd ed. CRC Press, Boca Raton, FL.
- Härdle, W. (1990) *Applied Nonparametric Regression*. Cambridge University Press, Cambridge.
- Harrell, F.E. Jr. (2001) *Regression Modeling Strategies*. Springer-Verlag, New York.
- Harrell, F.E. Jr., Califf, R.M., Pryor, D.B., Lee, K.L. and Rosati, R.A. (1982) Evaluating the yield of medical tests. *JAMA*, **247**, 2543–2546.
- Harrell, F.E. Jr., Lee, K.L. and Mark, D.B. (1996) Multivariable prognostic models: issues in developing models, evaluating assumptions and adequacy, and measuring and reducing errors. *Statist. Med.*, **15**, 361–387.



- Hastie, T.J., Botha, J.L. and Schnitzler, C.M. (1989) Regression with an ordered categorical response. *Statist. Med.*, **8**, 785–794.
- Hastie, T., Tibshirani, R. and Friedman, J. (2001) *The Elements of Statistical Learning*. Springer-Verlag, New York.
- He, Y., Zaslavsky, A.M., Landrum, M.B., Harrington, D.P. and Catalano, P. (2010) Multiple imputation in a large-scale complex survey: a practical guide. *Statist. Methods Med. Res.*, **19**, 653–670.
- Hedges, L.V. and Olkin, I. (1985) *Statistical Methods for Meta-Analysis*. Academic Press, London.
- Heinrich, J., Balleisen, L., Schulte, H., Assmann, G. and van de Loo, J. (1994) Fibrinogen and factor VII in the prediction of coronary risk. Results from the PROCAM study in healthy men. *Arterioscler. Thromb.*, **14**, 54–59.
- Higgins, J.P.T. and Thompson, S.G. (2002) Quantifying heterogeneity in a meta-analysis. *Statist. Med.*, **21**, 1539–1558.
- Higgins, J.P.T. and Thompson, S.G. (2004) Controlling the risk of spurious findings from meta-regression. *Statist. Med.* **23**, 1663–1682.
- Higgins, J.P.T., Thompson, S.G., Deeks, J.J. and Altman, D.G. (2003) Measuring inconsistency in meta-analyses. *BMJ*, **327**, 557–560.
- Hill, J., Bird, H.A., Fenn, G.C., Lee, C.E., Woodward, M. and Wright, V. (1990) A double-blind crossover study to compare lysine acetyl salicylate (Aspergesic) with ibuprofen in the treatment of rheumatoid arthritis. *J. Clin. Pharm. Therapeutics*, **15**, 205–211.
- Hills, M. and Armitage, P. (1979) The two-period cross-over clinical trial. *Br. J. Clin. Pharm.*, **8**, 7–20.
- Horton, N.J., Lipsitz, S.R. and Parzen, M. (2003) A potential for bias when rounding in multiple imputation. *Am. Statist.*, **57**, 229–232.
- Horwitz, R.I. and Feinstein, A.R. (1978) Methodologic standards and contradictory results in case-control research. *Am. J. Med.*, **66**, 556–564.
- Hosmer, D.W., Hosmer, T., Le Cessie, S. and Lemeshow, S. (1997) A comparison of goodness-of-fit tests for the logistic regression model. *Statist. Med.*, **16**, 965–980.
- Hosmer, D.W. and Lemeshow, S. (2000) *Applied Logistic Regression*, 2nd ed. John Wiley & Sons, New York.
- Hsieh, F.Y. (1989) Sample size tables for logistic regression. *Statist. Med.*, **8**, 795–802.
- Hsieh, F.Y., Bloch, D.A. and Larsen, M.D. (1998) A simple method of sample size calculation for linear and logistic regression. *Statist. Med.*, **17**, 1623–1634.
- Hsieh, F.Y. and Lavori, P.W. (2000) Sample-size calculations for the Cox proportional hazards regression model with nonbinary covariates. *Control. Clin. Trials*, **21**, 552–560.
- Huncharek, M., Kupelnick, B. and Klassen, H. (2002) Maternal smoking during pregnancy and the risk of childhood brain tumours: a meta-analysis of 6566 subjects from twelve epidemiological studies. *J. Neuro-Oncol.*, **57**, 51–57.
- Hussey, M.A. and Hughes, J.P. (2007) Design and analysis of stepped wedge cluster randomized trials. *Contemp. Clin. Trials*, **28**, 182–191.
- Huxley, R., Moghaddam, A., Berrington de Gonzalez, A., Barzi, F. and Woodward, M. (2005) Type-II diabetes and pancreatic cancer: a meta-analysis of 36 studies. *Br. J. Cancer*, **92**, 2076–2083.
- Hwang, I.K. and Rodda, B.E. (1992) Interim analysis in the Norwegian Multicenter Study, in *Biopharmaceutical Sequential Statistical Applications* (Ed. K.E. Peace), Statistics, Textbooks and Monographs Vol. 128. Marcel Dekker, New York.
- Iman, R.L., Quade, D. and Alexander, D.A. (1975) Exact probability levels for the Kruskal-Wallis test. *Selected Tables Math. Statist.*, **3**, 329–384.
- Infante-Rivard, C., Mur, P., Armstrong, B., Alvarez-Dardet, C. and Bolumar, F. (1991) Acute lymphoblastic leukaemia among Spanish children and mothers' occupation: a case-control study. *J. Epidemiol. Comm. Health*, **45**, 11–15.
- Irwig, L., Macaskill, P., Glasziou, P. and Fahey, M. (1995) Meta-analytic methods for diagnostic test accuracy. *J. Clin. Epidemiol.*, **48**, 119–130.
- Janssen, A. and Pauls, T. (2003) How do bootstrap and permutation tests work? *Annals Statist.*, **31**, 768–806.
- Jenicek, M. (2003) *Foundations of Evidence-Based Medicine*. CRC Press, Boca Raton, FL.

- Jennison, C.J. and Turnbull, B.W. (1990) Statistical approaches to interim monitoring of medical trials: a review and commentary. *Statist. Sci.*, **5**, 299–317.
- Johansson, I., Tidehag, P., Lundberg, V. and Hallmans, G. (1994) Dental status, diet and cardiovascular risk factors in middle-aged people in northern Sweden. *Comm. Dent. Oral Epidemiol.*, **22**, 431–436.
- Jones, B. and Kenward, M.G. (2003) *Design and Analysis of Cross-Over Trials*, 2nd ed. Chapman & Hall, London.
- Julious, S.A. (2004) Sample sizes for clinical trials with normal data. *Statist. Med.*, **23**, 1921–1986.
- Julious, S.A. and Campbell, M.J. (2012) Sample sizes for parallel group clinical trials with binary data. *Statist. Med.*, **31**, 2904–2936.
- Juni, P., Witschi, A., Bloch, R. and Egger, M. (1999) The hazards of scoring the quality of clinical trials for meta-analysis. *JAMA*, **282**, 1054–1060.
- Kahn, H.A. and Sempos, C.T. (1989) *Statistical Methods in Epidemiology*. Oxford University Press, New York.
- Kalbfleisch, J.D. and Prentice, R.L. (2002) *The Statistical Analysis of Failure Time Data*, 2nd ed. John Wiley & Sons, New York.
- Kaplan, E.L. and Meier, P. (1958) Nonparametric estimation from incomplete observations. *J. Am. Statist. Assoc.*, **53**, 457–481.
- Karkavelas, G., Mavropoulou, S., Fountzilias, G. *et al.* (1995) Correlation of proliferating cell nuclear antigen assessment, histologic parameters and age with survival in patients with glioblastoma multiforme. *Anticancer Res.*, **15**, 531–536.
- Katz, D., Baptista, J., Azen, S.P. and Pike, M.C. (1978) Obtaining confidence intervals for the risk ratio in cohort studies. *Biometrics*, **34**, 469–474.
- Kaufman, D.W., Helmrich, S.P., Rosenberg, L., Miettinen, O.S. and Shapiro, S. (1983) Nicotine and carbon monoxide content of cigarette smoke and the risk of myocardial infarction in young men. *N. Engl. J. Med.*, **308**, 409–413.
- Kauhanen, J., Kaplan, G.A., Goldberg, D.E. and Salonen, J.K. (1997) Beer bingeing and mortality: results from the Kuopio ischaemic heart disease risk factor study, a prospective population based study. *BMJ*, **315**, 846–851.
- Kay, R. (1984) Goodness of fit methods for the proportional hazards regression model: a review. *Rev. Épidémiol. Santé Publique*, **32**, 185–198.
- Kelly, K. (2005) The effects of nonnormal distributions on confidence intervals around the standardized mean difference: bootstrap and parametric confidence intervals. *Educ. Psychol. Meas.*, **65**, 51–69.
- Kengne, A., Patel, A., Colagiuri, S. *et al.* (2010) The Framingham and UK Prospective Diabetes Study (UKPDS) risk equations do not reliably estimate the probability of cardiovascular events in a large ethnically diverse sample of patients with diabetes: the Action in Diabetes and Vascular Disease: Preterax and Diamicron-MR Controlled Evaluation (ADVANCE) Study. *Diabetologia*, **53**, 821–831.
- Kennedy, K.F. and Pencina, M.J. (2010). A SAS macro for computing added predictive ability of new markers predicting a dichotomous outcome. Paper SDA-07 in *Proceedings of the Seventeenth Annual South East SAS Users Group Conference*, Savannah, GA.
- Kerr, K.F., McClelland, R.L., Brown, E.R. and Lumley, T. (2011). Evaluating the incremental value of new biomarkers with integrated discrimination improvement. *Am. J. Epidemiol.*, **174**, 364–374.
- Kiechl, S., Willeit, J., Poewe, W. *et al.* (1996) Insulin sensitivity and regular alcohol consumption: large, prospective, cross-sectional population study (Bruneck Study). *BMJ*, **313**, 1040–1044.
- Kim, M., Munter, P., Sharma, S. *et al.* (2013). Assessing patient-reported outcomes and preferences for same-day discharge after percutaneous coronary intervention: results from a pilot randomized, controlled trial. *Circ. Cardiovasc. Qual. Outcomes*, **6**, 186–192.
- Kitange, H.M., Machibya, H., Black, J. *et al.* (1996) Outlook for survivors of childhood in sub-Saharan Africa — adult mortality in Tanzania. *BMJ*, **312**, 216–220.
- Kleinbaum, D.G., Kupper, L.L. and Morgenstern, H. (1982) *Epidemiologic Research: Principles and Quantitative Methods*. Van Nostrand Reinhold, New York.

- Kramer, O.S. and Shapiro, S. (1984) Scientific challenges in the application of randomized trials. *JAMA*, **252**, 2739–2745.
- Kupper, L.L., Karon, J.M., Kleinbaum, D.G., Morgenstern, H. and Lewis, D.K. (1981) Matching in epidemiologic studies: validity and efficiency considerations. *Biometrics*, **37**, 271–291.
- Kupper, L.L., Janis, J.M., Karmous, A. and Greenberg, B.G. (1985) Statistical age–period–cohort analysis: a review and critique. *J. Chronic Dis.*, **38**, 811–830.
- Kushi, L.H., Fee, R.M., Sellers, T.A., Zheng, W. and Folsom, A.R. (1996) Intake of vitamins A, C and E and postmenopausal breast cancer. The Iowa Women's Health Study. *Am. J. Epidemiol.*, **144**, 165–174.
- Kuss, O. (2001) A SAS/IML-Macro for Goodness-of-Fit Testing in Logistic Regression Models with Sparse Data. Paper 265–26 in *Proceedings of the 26th Annual SAS Users Group International Conference*, CD-Rom Version.
- Kvålseth, T.O. (1985) Cautionary note about  $R^2$ . *Am. Statistician*, **39**, 279–285.
- Langholz, B. and Clayton, D. (1994) Sampling strategies in nested case–control studies. *Environ. Health Perspect.*, **102** Suppl. 8, 47–51.
- Langholz, B. and Thomas, D.C. (1990) Nested case-control and case–cohort methods of sampling from a cohort: a critical comparison. *Am. J. Epidemiol.*, **131**, 169–176.
- Le, C.T. and Zelterman, D. (1992) Goodness of fit tests for proportional hazards regression models. *Biom. J.*, **5**, 557–566.
- Lee, K.J. and Carlin, J.B. (2010) Multiple imputation for missing data: fully conditional specification versus multivariate normal imputation. *Am. J. Epidemiol.*, **171**, 624–632.
- Lee, P.N. (2001) Lung cancer and type of cigarette smoked. *Inhalation Toxicol.*, **13**, 951–976.
- Leung, H.M. and Kupper, L.L. (1981) Comparisons of confidence intervals for attributable risk. *Biometrics*, **37**, 293–302.
- Li, K.H. (1988) Imputation using Markov chains. *J. Statist. Comp. Simulation*, **30**, 57–79.
- Li, X., Mehrotra, D.V. and Barnard, J. (2006) Analysis of incomplete longitudinal binary data using multiple imputation. *Statist. Med.*, **25**, 2107–2124.
- Liddell, F.D.K. (1980) Simplified exact analysis of case-referent studies: matched pairs; dichotomous exposure. *J. Epidemiol. Comm. Health*, **37**, 82–84.
- Liddell, F.D.K., McDonald, J.C. and Thomas, D.C. (1977) Methods of cohort analysis: appraisal by application to asbestos mining. *J. R. Statist. Soc. A*, **140**, 469–491.
- Lilienfeld, D.E. and Stolley, P.D. (1994) *Foundations of Epidemiology*, 3rd ed. Oxford University Press, New York.
- Lin, G., So, Y. and Johnston, G. (2012) Analyzing survival data with competing risks using SAS software. SAS Global Forum paper 344-2012, Orlando, FL.
- Lin, J.-T., Wang, L.-Y., Wang, J.-T., Wang, T.-H., Yang, C.-S. and Chen, C.-J. (1995) A nested case–control study on the association between *Helicobacter pylori* infection and gastric cancer risk in a cohort of 9775 men in Taiwan. *Anticancer Res.*, **15**, 603–606.
- Little, R.J.A. (1988) Missing data in large surveys. *J. Business Econ. Statist.*, **6**, 287–301.
- Little, R.J.A. and Rubin, D.B. (2002) *Statistical Analysis with Missing Data*, 2nd ed. John Wiley & Sons, Hoboken, NJ.
- Lopez, A.D., Mathers, C.D., Ezzati, M., Jamison, D.T. and Murray, C.J. (Eds.) (2006) *Global Burden of Disease and Risk Factors*. Oxford University Press, New York.
- Lowe, G.D.O., Rumley, A., Woodward, M. *et al.* (1997) Epidemiology of coagulation factors, inhibitors and activation markers: The Third Glasgow MONICA Survey. I Illustrative reference ranges by age, sex and hormone use. *Br. J. Haematology*, **97**, 775–784.
- Macaskill, P., Walter, S.D., and Irwig, L. (2001) A comparison of methods to detect publication bias in meta-analysis. *Statist. Med.*, **20**, 641–654.
- Machin, D., Campbell, M.J., Tan, S.-B. and Tan, S.-H. (2009) *Sample Size Tables for Clinical Studies*, 3rd ed. Wiley–Blackwell, Chichester.
- Maclure, M. and Greenland, S. (1992) Tests for trend and dose response: misinterpretations and alternatives. *Am. J. Epidemiol.*, **135**, 96–104.
- Maclure, M. and Mittleman, M.A. (2000) Should we use a case-crossover design? *Annu. Rev. Public Health*, **21**, 193–221.
- MacMahon, B. and Trichopoulos, D. (1996) *Epidemiology. Principles and Methods*, 2nd ed. Lippincott–Raven, Hagerstown, MD.

- MacMahon, S., Neal, B., Tzourio, C. *et al.* (2001) Randomised trial of a perindopril-based blood-pressure-lowering regimen among 6105 individuals with previous stroke or transient ischaemic attack. *Lancet*, **358**, 1033–1041.
- MacMahon, S., Norton, R., Jackson, R. *et al.* (1995). Fletcher Challenge-University of Auckland Heart and Health Study: design and baseline findings. *N.Z. Med. J.*, **108**, 499–502.
- MacMahon, S., Peto, R., Cutler, J. *et al.* (1990) Blood pressure, stroke and coronary heart disease. Part 1, prolonged differences in blood pressure: prospective observational studies corrected for the regression dilution bias. *Lancet*, **335**, 765–774.
- Manly, B.F.J. (2007) *Randomization, Bootstrap and Monte Carlo Methods in Biology*, 3rd ed. Chapman & Hall/CRC Press, Boca Raton, FL.
- Marchenko, Y.V. and Reiter, J. P. (2009) Improved degrees of freedom for multivariate significance tests obtained from multiply imputed, small-sample data. *Stata J.*, **9**, 388–397.
- Marchioli, R., Avanzini, F., Barzi, F. *et al.* (2001) Assessment of absolute risk of death after myocardial infarction by use of multiple-risk-factor assessment equations: GISSI-Prevenzione mortality risk chart. *Eur. Heart J.*, **22**, 2085–2103.
- Marshall, A., Altman, D.G. and Holder, R.L. (2010) Comparison of imputation methods for handling missing covariate data when fitting a Cox proportional hazards model: a resampling study. *BMC Med. Res. Method.*, **10**: 112.
- Matsushita, K., van der Velde, M., Astor, B.C. *et al.* (2010) Association of estimated glomerular filtration rate and albuminuria with all-cause and cardiovascular mortality: a collaborative meta-analysis of general population cohorts. *Lancet*, **375**, 2073–2081.
- McCullagh, P. (1980) Regression models for ordinal data (with discussion). *J. R. Statist. Soc. B*, **42**, 109–142.
- McCullagh, P. and Nelder, J.A. (1989) *Generalized Linear Models*, 2nd ed. Chapman & Hall, London.
- McDonagh, T.A., Woodward, M., Morrison, C.E. *et al.* (1997) *Helicobacter pylori* infection and coronary heart disease in the North Glasgow MONICA population. *Eur. Heart J.*, **18**, 1257–1260.
- McEvoy, S.P., Stevenson, M.R., McCartt, A.T. *et al.* (2005) Role of mobile phones in motor vehicle crashes resulting in hospital attendance: a case-crossover study. *BMJ*, **331**, 428–432.
- McKinlay, S.M. (1977) Pair matching — a reappraisal of a popular technique. *Biometrics*, **33**, 725–735.
- McKinney, P.A., Alexander, F.E., Nicholson, C., Cartwright, R.A. and Carrette, J. (1991) Mothers' reports of childhood vaccinations and infections and their concordance with general practitioner records. *J. Public Health Med.*, **13**, 13–22.
- McKnight, P.E., McKnight, K.M., Sidani, S. and Figueredo, A.J. (2007). *Missing Data: A Gentle Introduction*. Guilford Press, New York.
- McLoone, P. (1994) *Carstairs Scores for Scottish Postcode Sectors from the 1991 Census*. Public Health Research Unit, University of Glasgow, Glasgow.
- McMahon, J., Parnell, W.R. and Spears, G.F.S. (1993) Diet and dental caries in preschool children. *Eur. J. Clin. Nutr.*, **47**, 794–802.
- McNeil, D. (1996) *Epidemiological Research Methods*. John Wiley & Sons, Chichester.
- Mahoney, F.I. and Barthel, D.W. (1965) Functional evaluation: the Barthel Index. *Md. State Med. J.*, **14**, 61–65.
- Mantel, N. and Greenhouse, S.W. (1968) What is the continuity correction? *Am. Statistician*, **22**, 27–30.
- Mantel, N. and Haenszel, W. (1959) Statistical aspects of the analysis of data from retrospective studies. *J. Natl. Cancer Inst.*, **22**, 719–748.
- Mason, D., Birmingham, L. and Grubin, D. (1997) Substance use in remand prisoners: a consecutive case study. *BMJ*, **315**, 18–21.
- Mawson, A.R., Blundo, J.J., Clemmer, D.I., Jacobs, K.W., Ktsanes, V.K. and Rice, J.C. (1996) Sensation-seeking, criminality and spinal cord injury: a case-control study. *Am. J. Epidemiol.*, **144**, 463–472.
- Mehta, C., Gao, P., Bhatt, D.L., Harrington, R.A., Skerjanec, S. and Ware, J.H. (2009) Optimizing trial design: sequential, adaptive, and enrichment strategies. *Circulation*, **119**, 597–605.

- Mehta, C.R., Patel, N.R. and Gray, R. (1985) Computing an exact confidence interval for the common odds ratio in several  $2 \times 2$  contingency tables. *J. Am. Statist. Assoc.*, **80**, 969–973.
- Mezzetti, M., Ferraroni, M., Decarli, A., La Vecchia, C. and Benichou, J. (1996) Software for attributable risk and confidence interval estimation in case-control studies. *Computers Biomed. Res.*, **29**, 63–75.
- Miao, L.M. (1977) Gastric freezing: an example of the evaluation of a medical therapy by randomized clinical trials, in *Costs, Risks and Benefits of Surgery*. (Eds. J.P. Bunker, B.A. Barnes and F. Mosteller). Oxford University Press, New York.
- Miettinen, O.S. (1970) Estimation of relative risk from individually matched series. *Biometrics*, **26**, 75–86.
- Miettinen, O.S. and Cook, E.F. (1981) Confounding: essence and detection. *Am. J. Epidemiol.*, **114**, 593–603.
- Miller, C.T., Neutel, C.I., Nair, R.C., Marrett, L.D., Last, J.M. and Collins, W.E. (1978) Relative importance of risk factors in bladder carcinogenesis. *J. Chronic Dis.*, **31**, 51–56.
- Millns, H., Woodward, M. and Bolton-Smith, C. (1995) Is it necessary to transform nutrient variables prior to statistical analysis? *Am. J. Epidemiol.*, **141**, 251–262.
- Mittlböck, M. and Schemper, M. (1996) Explained variation for logistic regression. *Statist. Med.*, **15**, 1987–1997.
- Mittleman, M.A., Maclure, M. and Robins, J.M. (1995) Control sampling strategies for case-crossover studies: an assessment of relative efficiency. *Am. J. Epidemiol.*, **142**, 91–98.
- Moher, D., Liberati, A., Tetzlaff, J. and Altman, D.G. (2009) Preferred reporting items for systematic reviews and meta-analyses: the PRISMA statement. *PLoS Med.*, **21**, 6: e1000097. doi: 10.1371/journal.pmed.1000097.
- Molenberghs, G. and Kenward, M.G. (2007). *Missing Data in Clinical Studies*. John Wiley & Sons, Chichester.
- Montgomery, D.C. and Peck, E.A. (2012) *Introduction to Linear Regression Analysis*, 5th ed. John Wiley & Sons, New York.
- Mood, A.M., Graybill, F.A. and Boes, D.C. (1974) *Introduction to the Theory of Statistics*, 3rd ed. McGraw-Hill, Tokyo.
- Moons, K.G., Kengne, A.P., Grobbee, D.E., *et al.* (2012a) Risk prediction models: II. External validation, model updating, and impact assessment. *Heart*, **98**, 691–698.
- Moons, K.G., Kengne, A.P., Woodward, M. *et al.* (2012b) Risk prediction models: I. Development, internal validation, and assessing the incremental value of a new (bio)marker. *Heart*, **98**, 683–690.
- Morgenstern, H. (1982) Uses of ecologic analysis in epidemiologic research. *Am. J. Public Health*, **72**, 1336–1344.
- Moritz, D.J., Kelsey, J.L. and Grisso, J.A. (1997) Hospital controls versus community controls: differences in influences regarding risk factors for hip fracture. *Am. J. Epidemiol.*, **145**, 653–660.
- Morrison, A.S. (1992) Risk factors for surgery for prostatic hypertrophy. *Am. J. Epidemiol.*, **135**, 974–980.
- Morrison, C., Woodward, M., Leslie, W. and Tunstall-Pedoe, H. (1997) Effect of socioeconomic group on incidence of, management of, and survival after myocardial infarction and coronary death: analysis of community coronary event register. *BMJ*, **314**, 541–546.
- Morton, V. and Torgerson, D.J. (2003) Effect of regression to the mean on decision making in health care. *BMJ*, **326**, 1083–1084.
- Moser, C.A. and Kalton, G. (1971) *Survey Methods in Social Investigation*, 2nd ed. Heinemann, London.
- Moss, A.J., Jackson Hall, W., Cannon, D.S. *et al.* (1996) Improved survival with an implanted defibrillator in patients with coronary disease at high risk for ventricular arrhythmia. *N. Engl. J. Med.*, **335**, 1933–1940.
- Müller, R. and Büttner, P. (1994) A critical discussion of intraclass correlation coefficients. *Statist. Med.*, **13**, 2465–2476.
- Muntner, P., Woodward, M., Carson, A.P. *et al.* (2011) Development and validation of a self-assessment tool for albuminuria: results from the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study. *Am. J. Kidney Dis.*, **58**, 196–205.

- National Cancer Institute (1997) *Changes in Cigarette-Related Disease Risks and Their Implication for Prevention and Control*. Smoking and Tobacco Control Monograph 8. National Institutes of Health, Bethesda, MD.
- National Cancer Institute (2001) *Risks Associated with Smoking Cigarettes with Low Machine-measured Yields of Tar and Nicotine*. National Institutes of Health, Bethesda, MD.
- Nevalainen, J., Kenward, M.G. and Virtanen, S.V (2009) Missing values in longitudinal dietary data: A multiple imputation approach based on a fully conditional specification *Statist. Med.*, **28**, 3657–3669.
- Newson, R. (2000) sg151: B-splines and splines parameterized by their values at reference points on the X-axis. *Stata Tech. Bull.*, **57**, 20–27.
- Newson, R. (2001) Parameters behind “non-parametric” statistics: Kendall’s  $\tau_b$ , Somers’  $D$  and median differences. *Stata J.*, **1**, 1–20.
- Newson, R.B. (2011) Comparing the predictive power of survival models using Harrell’s  $c$  or Somers’  $D$ . *Stata J.*, **10**, 339–358.
- Nieto, F.J. and Coresh, J. (1996) Adjusting survival curves for confounders: a review and a new method. *Am. J. Epidemiol.*, **143**, 1059–1068.
- Office of Population Censuses and Surveys (1980) *Classification of Occupations, 1980*. HMSO, London.
- Ohkubo, T., Chapman, N., Neal, B., Woodward, M., Omae, T. and Chalmers, J. (2004) Effects of an angiotensin converting enzyme inhibitor-based regimen on pneumonia risk. *Am. J. Respiratory Critical Care Med.*, **169**, 1041–1045.
- Ornish, D., Brown, S.E., Scherwitz, L.W. *et al.* (1990) Can lifestyle changes reverse coronary heart disease? The Lifestyle Heart Trial. *Lancet*, **336**, 129–133.
- Pan, W. (2001) Akaike’s information criterion in generalized estimating equations. *Biometrics*, **57**, 120–125.
- Parmar, M.K.B. and Machin, D. (2006) *Survival Analysis. A Practical Approach*, 2nd ed. John Wiley & Sons, Chichester.
- Parsonnet, J. (1995) The incidence of *Helicobacter pylori* infection. *Aliment. Pharmacol. Ther.*, **9**, Suppl. 2, 45–51.
- Parsons, L.S. (2001) Reducing bias in a propensity score matched-pair sample using greedy matching techniques. SUGI-26 paper 214-26, Long Beach, CA.
- Passaro, K.T., Little, R.E., Savitz, D.A. and Noss J. (1996) The effect of maternal drinking before conception and in early pregnancy on infant birth-weight. *Epidemiology*, **7**, 377–383.
- Patel, A., MacMahon, S., Chalmers, J. *et al.* (2008) Intensive blood glucose control and vascular outcomes in patients with type 2 diabetes. *New Engl. J. Med.*, **358**, 2560–2572.
- Patel, P., Mendall, M.A., Carrington, D. *et al.* (1995) Association of *Helicobacter pylori* and *Chlamydia pneumoniae* infections with coronary heart disease and cardiovascular risk factors. *BMJ*, **311**, 711–714.
- Paul, C., Skegg, D.C.G., Spears, G.F.S. and Kaldor, J.M. (1986) Oral contraceptives and breast cancer: a national study. *BMJ*, **293**, 723–726.
- Peace, K.E. (Ed.) (1992) *Biopharmaceutical Sequential Statistical Applications*. Statistics, Textbooks and Monographs, Vol. 128. Marcel Dekker, New York.
- Peace, L.R. (1985) A time correlation between cigarette smoking and lung cancer. *Statistician*, **34**, 371–381.
- Pearl, R. (1929) Cancer and tuberculosis. *Am. J. Hyg.*, **9**, 97–159.
- Pearson, M., Spencer, S. and McKenna, M. (1991) Patterns of uptake and problems presented at Well Women clinics in Liverpool. *J. Public Health Med.*, **13**, 42–47.
- Pencina, M.J. and D’Agostino, R.B. (2004) Overall  $c$  as a measure of discrimination in survival analysis: model specific population value and confidence interval estimation. *Statist. Med.*, **23**, 2109–2123.
- Pencina, M.J., D’Agostino, R.B. Sr. and D’Agostino, R.B. Jr. (2008) Evaluating the added predictive ability of a new marker: from area under the ROC curve to reclassification and beyond. *Statist. Med.*, **27**, 157–172.

- Pencina, M.J., D'Agostino, R.B. Sr. and Steyerber, E.W. (2011) Extensions of net reclassification improvement calculations to measure usefulness of new biomarkers. *Statist. Med.*, **30**, 11–21.
- Pepe, M.S., Janes, H., Longton, G., Leisenring, W. and Newcomb, P. (2004) Limitations of the odds ratio in gauging the performance of a diagnostic, prognostic, or screening marker. *Am. J. Epidemiol.*, **159**: 882–890.
- Petersen, M.R. and Deddens, J.A. (2008) A comparison of two methods for estimating prevalence ratios. *BMC Med. Res. Methodology*, **8**: 9. doi:10.1186/1471-2288-8-9.
- Peterson, B. (1990) Re: ordinal regression models for epidemiologic data. *Am. J. Epidemiol.*, **131**, 745–746.
- Peto, R., Pike, M.C., Armitage, P. *et al.* (1977) Design and analysis of randomized clinical trials requiring prolonged observation of each patient. II. Analysis and examples. *Br. J. Cancer*, **35**, 1–39.
- Piaggio, G., Elbourne, D.R., Pocock, S.J., Evans, S.J. and Altman, D.G. (2012). Reporting of noninferiority and equivalence randomized trials: extension of the CONSORT 2010 statement. *JAMA*, **308**, 2594–2604.
- Phillips, A.N. and Davey Smith, G. (1992) Bias in relative odds estimation owing to imprecise measurement of correlated exposures. *Statist. Med.*, **11**, 953–961.
- Piantadosi, S. (2005) *Clinical Trials: A Methodologic Perspective*, 2nd ed. John Wiley & Sons, New York.
- Pike, M.C. and Morrow, R.H. (1970) Statistical analysis of patient-control studies in epidemiology. Factor under investigation an all-or-none variable. *Br. J. Prev. Soc. Med.*, **24**, 42–44.
- Pike, M.C., Morrow, R.H., Kisuule, A. and Mafigiri, J. (1970) Burkitt's lymphoma and sickle cell trait. *Br. J. Prev. Soc. Med.*, **24**, 39–41.
- Pocock, S.J. (1979) Allocation of patients to treatment in clinical trials. *Biometrics*, **35**, 183–197.
- Pocock, S.J. (1983) *Clinical Trials: A Practical Approach*. John Wiley & Sons, Chichester.
- Poi, B.P. (2004) From the help desk: some bootstrapping techniques. *Stata J.*, **4**, 312–328.
- Pollard, A.H., Yusuf, F. and Pollard, G.N. (1990) *Demographic Techniques*, 3rd ed. Pergamon, Sydney.
- Pontiggia, P., Curto, F., Rotella, G., Sabato, A., Rizzo, S. and Butti, G. (1995) Hyperthermia in the treatment of brain metastases from lung cancer. Experience in 17 cases. *Anticancer Res.*, **15**, 597–602.
- Poole, C. (1986) Exposure opportunity in case-control studies. *Am. J. Epidemiol.*, **123**, 352–358.
- Poole, C. (2010) On the origin of risk relativism. *Epidemiology*, **21**, 3–9.
- Porta, M. (Ed.) (2008) *A Dictionary of Epidemiology*, 5th ed. Oxford University Press, New York.
- Pounder, R.E. and Ng, D. (1995) The prevalence of *Helicobacter pylori* infection in different countries. *Aliment. Pharmacol. Ther.*, **9**, Suppl. 2, 33–39.
- Prescott, R.J. (1981) The comparison of success rates in cross-over trials in the presence of an order effect. *J. R. Statist. Soc. C*, **30**, 9–15.
- Putter, H., Fiocco, M. and Geskus, R.B. (2007) Tutorial in biostatistics: competing risks and multi-state models. *Statist. Med.*, **26**, 2389–2430.
- Raghunathan, T.W., Lepkowski, J.M., Van Hoewyk, J. and Solenbeger, P. (2001) A multivariate technique for multiply imputing missing values using a sequence of regression models. *Survey Methodol.*, **27**, 85–95.
- Rawsley, K. (1991) The National Counselling Service for Sick Doctors. *Proc. R. Coll. Physicians Edinburgh*, **21**, 4–7.
- Reading, R., Harvey, I. and Mclean, M. (2000) Cluster randomised trials in maternal and child health: implications for power and sample size. *Arch. Dis. Child.*, **82**, 79–83.
- Redelmeier, D.A., Bloch D.A. and Hickam, D.H. (1991) Assessing predictive accuracy: how to compare Brier scores. *J. Clin. Epidemiol.*, **44**, 1141–1146.
- Robins, J.M., Gail, M.H. and Lubin, J.H. (1986a) More on 'biased selection of controls for case-control analyses of cohort studies'. *Biometrics*, **42**, 293–299.
- Robins, J., Greenland, S. and Breslow, N.E. (1986b) A general estimator for the variance of the Mantel-Haenszel odds ratio. *Am. J. Epidemiol.*, **124**, 719–723.

- Rodrigues, L.C., Gill, O.N. and Smith, P.G. (1991) BCG vaccination in the first year of life protects children of Indian subcontinent ethnic origin against tuberculosis in England. *J. Epidemiol. Comm. Health*, **45**, 78–80.
- Rom, D.M. and Hwang, E. (1996) Testing for individual and population equivalence based on the proportion of similar responses. *Statist. Med.*, **15**, 1489–1505.
- Rose, G.A., McCartney, P. and Reid, D.D. (1977) Self-administration of questionnaire on chest pain and intermittent claudication. *Br. J. Prev. Soc. Med.*, **31**, 42–48.
- Rosenbaum, P.R. and Rubin, D.B. (1983) The central role of the propensity score in observational studies for causal effects. *Biometrika*, **70**, 41–55.
- Rosenberger, W.F. and Lachin, J.M. (2002) *Randomization in Clinical Trials: Theory and Practice*. John Wiley & Sons, New York.
- Rosner, B. (2010) *Fundamentals of Biostatistics*, 7th ed. Brooks/Cole, Boston.
- Rosner, B., Spiegelman, D. and Willett, W.C. (1990) Correction of logistic regression relative risk estimates and confidence intervals for measurement error: the case of multiple covariates measured with error. *Am. J. Epidemiol.*, **132**: 734–745.
- Rothman, K.J. and Boice, J.D. (1979) *Epidemiological Analysis with a Programmable Calculator*, NIH Publications 79–1649. U.S. Government Printing Office, Washington, DC.
- Rothman, K.J. and Greenland, S. (1998) *Modern Epidemiology*, 2nd ed. Lippincott–Raven, Philadelphia, PA.
- Roumie, C.L., Hung, A.M., Greevy, R.A. *et al.* (2012). Comparative effectiveness of sulfonylurea and metformin monotherapy on cardiovascular events in type 2 diabetes mellitus: a cohort study. *Ann. Intern. Med.*, **157**, 601–610.
- Royston, P. and Altman, D.G. (1994) Regression using fractional polynomials of continuous covariates: parsimonious parametric modelling. *Appl. Statist.*, **43**, 429–467.
- Royston, P. and Altman, D.G. (2010) Visualizing and assessing discrimination in the logistic regression model. *Statist. Med.*, **29**, 2508–2520.
- Royston, P. and Sauerbrei, W. (2004) A new measure of prognostic separation in survival data. *Statist. Med.*, **23**, 723–748.
- Rubin, D.B. (1976) Inference and missing data. *Biometrika*, **63**, 581–592.
- Rubin, D.B. (1987) *Multiple Imputation for Nonresponse in Surveys*. John Wiley & Sons, New York.
- Rumley, A., Woodward, M., Hoffmeister, A., Koenig, W. and Lowe, G.D. (2003) Comparison of plasma fibrinogen by Clauss, prothrombin time-derived, and immunonephelometric assays in a general population: implications for risk stratification by thirds of fibrinogen. *Blood Coagul. Fibrinolysis*, **14**, 197–201.
- Ruth, K.J. and Neaton, J.D. (1991) Evaluation of two biochemical markers of tobacco exposure. *Prev. Med.*, **20**, 574–589.
- Sackett, D.L. (1979) Bias in analytic research. *J. Chronic Dis.*, **32**, 51–63.
- Saetta, J.P., March, S., Gaunt, M.E. and Quinton, D.N. (1991) Gastric emptying procedures in the self-poisoned patient: are we forcing gastric content beyond the pylorus? *J. R. Soc. Med.*, **84**, 274–276.
- Satterthwaite, F.E. (1946) An approximate distribution of estimates of variance components. *Biometrics Bull.*, **2**, 110–114.
- Sayal, K., Draper, E.S., Fraser, R., Barrow, M., Davey Smith, G. and Gray, R. (2013) Light drinking in pregnancy and mid-childhood mental health and learning outcomes. *Arch. Dis. Child.*, **98**, 107–111.
- Schafer, J.L. (1997) *Analysis of Incomplete Multivariate Data*. Chapman & Hall, London.
- Schafer, J.L. and Olsen, M.K. (1998) Multiple imputation for multivariate missing-data problems: a data analyst's perspective. *Multivariate Behavioral Res.*, **33**, 545–571.
- Scheaffer, R.L., Mendenhall, W. and Ott, R.L. (1995) *Elementary Survey Sampling*, 5th ed. Duxbury, Belmont, CA.
- Schemper, M. and Stare, J. (1996) Explained variation in survival analysis. *Statist. Med.*, **15**, 1999–2012.
- Schlesselman, J.J. (1974) Sample size requirements in cohort and case-control studies of disease. *Am. J. Epidemiol.*, **33**, 381–384.
- Schlesselman, J.J. (1982) *Case-Control Studies: Design, Conduct and Analysis*. Oxford University Press, New York.



- Schoenfeld, D.A. and Borenstein, M. (2005) Calculating the power or sample size for the logistic and proportional hazards models. *J. Statist. Comp. Simul.* **75**, 771–785.
- Schonlau, M. (2005) Boosted Regression (Boosting): an introductory tutorial and a Stata plugin. *Stata J.*, **5**, 330–354.
- Schwarz, G.E. (1978) Estimating the dimension of a model. *Annals Statist.*, **6**, 461–464.
- Scott, A. and Wild, C. (1991) Transformations and  $R^2$ . *Am. Statistician*, **45**, 127–129.
- Scragg, R., Mitchell, E.A., Taylor, B.J. *et al.* (1993) Bed sharing, smoking and alcohol in the sudden infant death syndrome. *BMJ*, **307**, 1312–1318.
- Seber, G.A.F. and Wild, C.J. (2003) *Nonlinear Regression*. John Wiley & Sons, New York.
- Senn, S. (2002) *Cross-Over Trials in Clinical Research*, 2nd ed. John Wiley & Sons, Chichester.
- Shao, J. and Tu, D. (1995) *The Jackknife and Bootstrap*. Springer, New York.
- Shaper, A.G., Wannamethee, G. and Walker, M. (1988) Alcohol and mortality in British men: explaining the U-shaped curve. *Lancet*, **ii**, 1267–1273.
- Shapiro, S. (1994) Meta-analysis/Schmeta-analysis. *Am. J. Epidemiol.*, **140**, 771–778.
- Sheiner, L.B. and Rubin, D.B. (1995) Intention-to-treat analysis and the goals of clinical trials. *Clin. Pharmacol. Ther.*, **57**, 6–15.
- Shewry, M.C., Smith, W.C.S., Woodward, M. and Tunstall–Pedoe, H. (1992) Variation in coronary risk factors by social status: results from the Scottish Heart Health Study. *Br. J. Gen. Practice*, **42**, 406–410.
- Shryock, H.S., Siegel, J.S. and Stockwell, E.G. (1976) *The Methods and Materials of Demography*, condensed ed. Academic Press, New York.
- Siemiatycki, J. (1989) Friendly control bias. *J. Clin. Epidemiol.*, **42**, 687–688.
- Silverman, B.W. (1998) *Density Estimation for Statistics and Data Analysis*. Chapman & Hall/CRC Press, Boca Raton, FL.
- Skov, T., Deddens, J., Petersen, M.R. and Endahl, L. (1998) Prevalence proportion ratios: estimation and hypothesis testing. *Int. J. Epidemiol.*, **27**, 91–95.
- Smith, W.C.S., Crombie, I.K., Tavendale, R., Irving, I.M., Kenicer, M.B. and Tunstall–Pedoe, H. (1987) The Scottish Heart Health Study: objectives and development of methods. *Health Bull. (Edinburgh)*, **45**, 211–217.
- Smith, W.C.S., Woodward, M. and Tunstall–Pedoe, H. (1991) Intermittent claudication in Scotland, in *Epidemiology of Peripheral Vascular Disease*. (Ed. F.G.R. Fowkes). Springer–Verlag, Berlin.
- Snedecor, G.W. and Cochran, W.G. (1989) *Statistical Methods*, 8th ed. Iowa State University Press, Ames.
- Somers, R.H. (1962) A new asymmetric measure of association for ordinal variables. *Am. Sociological Rev.*, **27**, 799–811.
- Spiegelhalter, D.J. (1986) Probabilistic prediction in patient management and clinical trials. *Statist. Med.*, **5**, 421–433.
- Srinivasan, U., Leonard, N., Jones, E. *et al.* (1996) Absence of oats toxicity in adult coeliac disease. *BMJ*, **313**, 1300–1301.
- Sritara, P., Cheepudomwit, S., Chapman, N. *et al.* (2003) 12-year changes in vascular risk factors and their associations with mortality in a cohort of 3499 Thais. The Electricity Generating Authority of Thailand Study. *Int. J. Epidemiol.*, **32**, 461–468.
- Steel, R.G.D. and Torrie, J.H. (1980) *Principles and Procedures of Statistics. A Biometrical Approach*, 2nd ed. McGraw–Hill, New York.
- Steinbok, P., Reiner, A.M., Beauchamp, R., Armstrong, R.W. and Cochrane, D.D. (1997) A randomized controlled trial to compare selective posterior rhizotomy plus physiotherapy with physiotherapy alone in children with spastic diplegic cerebral palsy. *Develop. Med. Child. Neurol.*, **39**, 178–184.
- Stephens, M.A. (1974) EDF statistics for goodness of fit and some comparisons. *J. Am. Statist. Assoc.*, **69**, 730–737.
- Sterne, J. (Ed.) (2009) *Meta-Analysis: An Updated Collection from the Stata Journal*. Stata Press, College Station, TX.
- Stewart, L.A. and Clarke, M.J. (1995) Practical methodology of meta-analyses (overviews) using updated individual patient data. *Statist. Med.*, **14**, 2057–2079.

- Stolley, P.D. and Lasky, T. (1995) *Investigating Disease Patterns. The Science of Epidemiology*. W.H. Freeman, New York.
- Storr, J., Barrell, E. and Lenny, W. (1987) Asthma in primary schools. *BMJ*, **295**, 251–252.
- Stürmer, T., Joshi, M., Glynn, R.J., Avorn, J., Rothman, K.J. and Schneeweiss, S. (2006) A review of the application of propensity score methods yielded increasing use, advantages in specific settings, but not substantially different estimates compared with conventional multivariable methods. *J. Clin. Epidemiol.*, **59**, 437–447.
- Strachan, D.P. (1988) Damp housing and childhood asthma: validation of reporting of symptoms. *BMJ*, **297**, 1223–1226.
- Stroup, D.F., Berlin, J.A., Morton, S.C. *et al.* (2000) Meta-analysis of observational studies in epidemiology: a proposal for reporting. Meta-analysis of Observational Studies in Epidemiology (MOOSE) group. *J. Am. Med. Assoc.*, **283**, 2008–2012.
- Stuart, E., Azur, M., Frangakis, C. and Leaf, P. (2009) Multiple imputation with large data sets: a case study of the children's mental health initiative. *Am. J. Epidemiol.*, **169**, 1133–1139.
- Sullivan, L.M., Massaro, J.M. and D'Agostino, R.B. Sr. (2004) Presentation of multivariate data for clinical use: the Framingham Study risk score functions. *Statist. Med.*, **23**, 1631–1660.
- Sutton, A.J., Abrams, K.R., Jones, D.R., Sheldon, T.A. and Song, F. (2000) *Methods for Meta-Analysis in Medical Research*. John Wiley & Sons, Chichester.
- Swan, A.V. (1986) *GLIM 3.77 Introductory Guide*. Revision A. NAG, Oxford.
- Sweeting, M.J., Sutton, A.J. and Lambert, P.C. (2004) What to add to nothing? Use and avoidance of continuity corrections in meta-analysis of sparse data. *Statist. Med.*, **23**, 1351–1375.
- Sylvester, R.J., Machin, D. and Staquet, M.J. (1982) Cancer clinical trial protocols, in *Treatment of Cancer* (Ed. K.E. Halnan). Chapman & Hall, London.
- Tarone, R.E. (1981) On summary estimations of relative risk. *J. Chronic Dis.*, **34**, 463–468.
- Tetzchner, T., Sørensen, M., Jønsson, L., Lase, G. and Christiansen, J. (1997) Delivery and pudendal nerve function. *Acta Obstet. Gynecol. Scand.*, **76**, 324–331.
- Tham, T.C.K., Collins, J.S.A., Molloy, C., Sloan, J.M., Banford, K.B. and Watson, R.G.P. (1996) Randomised controlled trial of ranitidine versus omeprazole in combination with antibiotics for eradication of *Helicobacter pylori*. *Ulster Med. J.*, **65**, 131–136.
- Therneau, T.M. and Grambsch, P. (2000) *Modeling Survival Data: Extending the Cox Model*. Springer-Verlag, Berlin.
- Thomas, D.C. and Greenland, S. (1983) The relative efficiencies of matched and independent sample designs for case-control studies. *J. Chronic Dis.*, **36**, 685–697.
- Thomas, D.C. and Greenland, S. (1985) The efficiency of matching in case-control studies of risk factor interactions. *J. Chronic Dis.*, **38**, 569–574.
- Thomas, D.G. (1975) Exact and asymptotic methods for the combination of  $2 \times 2$  tables. *Comput. Biomed. Res.*, **8**, 423–426.
- Thomas, L.H. (1992) Ischaemic heart disease and consumption of hydrogenated marine oils in England and Wales. *J. Epidemiol. Comm. Health*, **46**, 78–82.
- Thompson, S.G. and Higgins, J.P.T. (2002) How should meta-regression analyses be interpreted? *Statist. Med.*, **21**, 1559–1573.
- Thompson, S., Kaptoge, S., White, I., Wood, A., Perry, P. and Danesh, J. (2010) Statistical methods for the time-to-event analysis of individual participant data from multiple epidemiological studies. *Int. J. Epidemiol.*, **39**, 1345–1359.
- Thompson, S.G. and Sharp, S. (1999) Explaining heterogeneity in meta-analysis: a comparison of methods. *Statist. Med.*, **18**, 2693–2708.
- Thompson, W.D., Kelsey, J.L. and Walter, S.D. (1982) Cost and efficiency in the choice of matched and unmatched case-control study designs. *Am. J. Epidemiol.*, **116**, 840–851.
- Tiku, M.L., Tan, W.Y. and Balakrishnan, N. (1986) *Robust Inference*. Marcel Dekker, New York.
- Tudur Smith, C., Williamson, P.R. and Marson, A.G. Investigating heterogeneity in an individual patient data meta-analysis of time to event outcomes. *Statist. Med.*, **24**, 1307–1319.
- Tunstall-Pedoe, H. (2003) *MONICA: Monograph and Multimedia Sourcebook*. World Health Organization, Geneva.

- Tunstall-Pedoe, H., Smith, W.C.S., Crombie, I.K. and Tavendale, R. (1989) Coronary risk factor and lifestyle variation across Scotland: results from the Scottish Heart Health Study. *Scot. Med. J.*, **34**, 556–560.
- Tunstall-Pedoe, H. and Woodward, M. (2006) By neglecting deprivation, cardiovascular risk scoring will exacerbate social gradients in disease. *Heart*, **92**, 307–310.
- Tunstall-Pedoe, H., Woodward, M., Tavendale, R., A'Brook R. and McCluskey, M.K. (1997) Comparison of the prediction by 27 different factors of coronary heart disease and death in men and women of the Scottish Heart Health Study: cohort study. *BMJ*, **315**, 722–729.
- Turner, E.H., Matthews, A.M., Linardatos, E., Tell, R.A. and Rosenthal, R. (2008) Selective publication of antidepressant trials and its influence on apparent efficacy. *N. Engl. J. Med.*, **358**, 252–260.
- United Nations (1996) *Demographic Yearbook 1994*. United Nations, New York.
- Uno, H., Cai, T., Pencina, M.J., D'Agostino, R.B. and Wei, L.J. (2011) On the *c*-statistics for evaluating overall adequacy of risk prediction procedures with censored survival data. *Statist. Med.*, **30**, 1105–1117.
- Ury, H.K. (1975) Efficiency of case-control studies with multiple controls per case: continuous or dichotomous data. *Biometrics*, **31**, 643–649.
- Valent, F., Brusaferrero, S. and Barbone, F. (2001) A case-crossover study of sleep and childhood injury. *Pediatrics*, **107**, e23.
- van Buuren, S. (2007) Multiple imputation of discrete and continuous data by fully conditional specification. *Statist. Methods Med. Res.*, **16**, 219–242.
- Vierkant, R.A. (1997) A SAS macro for calculating bootstrapped confidence intervals about a kappa coefficient. <http://www2.sas.com/proceedings/sugi22/STATS/PAPER295.PDF>.
- von Elm, E., Altman, D.G., Egger, M., Pocock, S.J., Gøtzsche, P.C. and Vandenbroucke, J.P. (2007) Strengthening the reporting of observational studies in epidemiology (STROBE) statement: guidelines for reporting observational studies. *Ann. Intern Med.*, **147**, 573–577.
- von Hippel, P.T. (2013) Should a normal imputation model be modified to impute skewed variables? *Sociological Methods Res.*, **42**, 105–138.
- Wacholder, S. (1991) Practical considerations in choosing between the case-cohort and nested case-control designs. *Epidemiology*, **2**, 155–158.
- Wacholder, S. and Boivin, J.-F. (1987) External comparisons with the case-cohort design. *Am. J. Epidemiol.*, **126**, 1198–1209.
- Wacholder, S. and Silverman, D.T. (1990) Re: 'Case-control studies using other diseases as controls: problems of excluding exposure-related diseases' (Letter). *Am. J. Epidemiol.*, **132**, 1017–1018.
- Wacholder, S., McLaughlin, J.K., Silverman, D.T. and Mandel, J.S. (1992) Selection of controls in case-control studies. *Am. J. Epidemiol.*, **136**, 1019–1050.
- Wald, N.J. and Law, M.R. (2003) A strategy to reduce cardiovascular disease by more than 80%. *BMJ*, **326**, 1419.
- Walter, S.D. (1980a) Berkson's bias and its control in epidemiological studies. *J. Chronic Dis.*, **33**, 721–725.
- Walter, S.D. (1980b) Matched case-control studies with a variable number of controls per case. *Appl. Statist.*, **29**, 172–179.
- Wangensteen, O.H., Peter, E.T., Nicoloff, D.M., Walder, A.I., Sosin, H. and Bernstein, E.F. (1962) Achieving 'physiological gastrectomy' by gastric freezing. *JAMA*, **180**, 439–444.
- Weiss, N. (2001) *Introductory Statistics*, 6th ed. Pearson Addison Wesley, Reading, MA.
- Wells, S., Kerr, A., Eadie, S., Wiltshire, C. and Jackson, R. (2010) 'Your Heart Forecast': a new approach for describing and communicating cardiovascular risk? *Heart*, **96**, 708–713.
- White, H. (1982) Maximum likelihood estimation of misspecified models. *Econometrica*, **50**, 1–25.
- White, I.R. and Royston, P. (2009) Imputing missing covariate values for the Cox model. *Statist. Med.*, **28**, 1982–1998.
- White, I.R., Royston, P. and Wood, A.M. (2011) Multiple imputation using chained equations: issues and guidance for practice. *Statist. Med.*, **30**, 377–399.
- Whitehead, J. (1997) *The Design and Analysis of Sequential Clinical Trials*, 2nd ed. (rev). John Wiley & Sons, Chichester.

- Whittemore, A.S. (1983) Estimating attributable risk from case-control studies. *Am. J. Epidemiol.*, **117**, 76–85.
- Williams, D.A. (1982) Extra-binomial variation in logistic linear models. *Appl. Statist.*, **31**, 144–148.
- Williamson, E., Morley, R., Lucas, A. and Carpenter, J. (2012) Propensity scores: from naive enthusiasm to intuitive understanding. *Stat. Methods Med. Res.*, **21**, 273–293.
- Williamson, P.R., Kolamunnage-Dona, R., Philipson, P. and Marson, A.G. (2008) Joint modelling of longitudinal and competing risks data. *Statist. Med.*, **27**, 6426–6438.
- Wilson, D.C. and McClure, G. (1996) Babies born under 1000 g — perinatal outcome. *Ulster Med. J.*, **65**, 118–122.
- Winn, D.M., Blot, W.J., McLaughlin, J.K. *et al.* (1991) Mouthwash use and oral conditions in the risk of oral and pharyngeal cancer. *Cancer Res.*, **51**, 3044–3047.
- Wong, O. (1990) A cohort mortality study and a case-control study of workers potentially exposed to styrene in the reinforced-plastics and composites industry. *Br. J. Ind. Med.*, **47**, 753–762.
- Woodward, M. (1992) Formulae for the calculation of sample size, power and minimum detectable relative risk in medical studies. *Statistician*, **41**, 185–196.
- Woodward, M., Bolton-Smith, C. and Tunstall-Pedoe, H. (1994) Deficient health knowledge, diet and other lifestyles in smokers: is a multifactorial approach required? *Prev. Med.*, **23**, 354–361.
- Woodward, M., Laurent, K. and Tunstall-Pedoe, H. (1995) An analysis of risk factors for prevalent coronary heart disease using the proportional odds model. *Statistician*, **44**, 69–80.
- Woodward, M., Lowe, G.D.O., Campbell, D.J. *et al.* (2005) Associations of inflammatory and haemostatic variables with the risk of recurrent stroke. *Stroke*, **36**, 2143–2147.
- Woodward, M., Lowe, G.D.O., Rumley, A. *et al.* (1997) Epidemiology of coagulation factors, inhibitors and activation markers: The Third Glasgow MONICA Survey. II. Relationships to cardiovascular risk factors and prevalent cardiovascular disease. *Br. J. Haematol.*, **97**, 785–797.
- Woodward, M., Nursten, J., Williams, P. and Badger, G.D. (2000) Mental disorder and homicide: a review of epidemiological research. *Epidemiol. Psychiatr. Soc.*, **9**, 171–189.
- Woodward, M., Shewry, M.C., Smith, W.C.S. and Tunstall-Pedoe, H. (1992) Social status and coronary heart disease: results from the Scottish Heart Health Study. *Prev. Med.*, **21**, 136–148.
- Woodward, M. and Tunstall-Pedoe, H. (1992a) Biochemical evidence of persistent heavy smoking after a coronary diagnosis despite self-reported reduction. Analysis from the Scottish Heart Health Study. *Eur. Heart. J.*, **13**, 160–165.
- Woodward, M. and Tunstall-Pedoe, H. (1992b) An iterative technique for identifying smoking deceivers with application to the Scottish Heart Health Study. *Prev. Med.*, **21**, 88–97.
- Woodward, M., Tunstall-Pedoe, H., Rumley, A. and Lowe, G.D. (2009) Does fibrinogen add to prediction of cardiovascular disease? Results from the Scottish Heart Health Extended Cohort Study. *Br. J. Haematol.*, **146**, 442–446.
- Woodward, M. and Walker, A.R.P. (1994) Sugar consumption and dental caries: evidence from 90 countries. *Br. Dent. J.*, **176**, 297–302.
- Woolf, B. (1955) On estimating the relationship between blood group and disease. *Ann. Human Genet.*, **19**, 251–253.
- World Health Organization (1995) *Physical Status: The Use and Interpretation of Anthropometry*. WHO Technical Report Series, 854. World Health Organization, Geneva.
- Yanagawa, T., Fujii, Y. and Mastuoka, H. (1994) Generalized Mantel-Haenszel procedures for  $2 \times J$  tables. *Environ. Health Perspect.*, **102** Suppl 8, 57–60.
- Ying, R.L., Gross, K.B., Terzo, T.S. and Eschenbacher, W.L. (1990) Indomethacin does not inhibit the ozone-induced increase in bronchial responsiveness in human subjects. *Am. Rev. Respiratory Dis.*, **142**, 817–821.
- Youden, W.J. (1950) Index for rating diagnostic tests. *Cancer*, **3**, 32–35.

- Zhang, J., Savitz, D.A., Schwingl, P.J. and Cai, W.-W. (1992) A case-control study of paternal smoking and birth defects. *Int. J. Epidemiol.*, **21**, 273–278.
- Zou, G. (2004) Modified Poisson regression approach to prospective studies with binary data. *Am. J. Epidemiol.*, **159**, 702–706.
- Zoungas, S., Chalmers, J., Ninomiya, T. *et al.* (2012) Association of HbA<sub>1c</sub> levels with vascular complications and death in patients with type 2 diabetes: evidence of glycaemic thresholds. *Diabetologia*, **55**, 636–643.
- Zweig, M.H. and Campbell, G. (1993) Receiver-operating characteristic (ROC) plots: a fundamental evaluation tool in clinical medicine. *Clin. Chem.*, **39**, 561–577.