

Help with statistics - books

Use the Library Catalogue to find books on statistics. There is a search box on the Library homepage.

Here are some ideas and suggestions to get you started.

For basic advice on statistics, try books on research skills, nursing research or study skills.

For help with basic maths, try books on nursing calculations, drug calculations or dosage calculations.

The Library will not have these, but revision guides for GCSE maths might help too. For example, Eastaway, R. and Askew, M., 2013, *More maths for Mums and Dads*. Square Peg, London. This is a book for parents wanting to help their offspring with GCSE maths and has a chapter on probability and statistics, covering mode, median and mean, interquartile range, box and whisker plots, normal distribution, pie charts, histograms, correlation and causation.

Introductory books on statistics

Campbell, M.J. and Swinscow, T.D.V., 2009, *Statistics at square one*, 11th edn, Wiley-Blackwell, Chichester.

An introduction to statistical concepts, including confidence intervals, P-values, correlation and regression, and statistical tests. It contains information on using OpenOffice Calc, OpenEpi and OpenStat, three pieces of free software.

Campbell, M.J., 2006, *Statistics at square two: understanding modern statistical applications in medicine*, 2nd edn, Blackwell, Oxford.

Companion volume to *Statistics at square one*. Discusses multiple linear regression, logistic regression, survival analysis, random effects and other models.

Greenhalgh, T., 2014, *How to read a paper: the basics of evidence-based medicine*, Fifth edn, Wiley, Chichester.

Chapter 5 (“Statistics for the non-statistician”) of this excellent introduction to critical appraisal discusses how to evaluate a paper’s use of statistics. The appendix contains a checklist for evaluating the statistical aspects of a paper.

Harris, M. & Taylor, G. 2014, *Medical statistics made easy*, 3rd edn, Scion, Banbury, Ox. Concise explanations of statistical techniques.

Salkind, N.J., 2011, Statistics for people who (think they) hate statistics, 4th edn, Sage, Los Angeles

Introductory guide to statistics. Has as an appendix an introduction to using SPSS. It also has a chapter on statistical software but we cannot guarantee it discusses software that is available to you!

More detailed books on statistics

Bland, M., 2015, An introduction to medical statistics, Fourth edn, Oxford University Press, Oxford.

Heavey, E. 2015, Statistics for nursing; a practical approach, 2nd edn, Jones and Bartlett Learning, Burlington.

Aimed at nursing students and nurses, with practice questions.

Petrie, A. 2009, Medical statistics at a glance, 3rd edn, Wiley-Blackwell, Chichester.

Books about SPSS

Griffith, A., 2010, SPSS statistics for dummies, Second edn, Wiley, Hoboken, NJ.

Pallant, J., 2016, SPSS survival manual, Sixth edn, Open University Press, Maidenhead.

Search the Library catalogue to find other books in the Library.

Statistical techniques used in systematic reviews

Information about the statistical techniques used in systematic reviews can be found in the Cochrane Handbook, <http://handbook.cochrane.org/>, and in the Centre for Reviews and Dissemination's guidance, <https://www.york.ac.uk/crd/guidance/>.