

Links for guides to understanding statistics and epidemiology

The shortest explanations

Statistics Every Writer Should Know

This is a website aimed at journalists who have to report statistics but have never studied mathematics.

<http://nilesonline.com/stats>

A little more detail

Basic Epidemiology

By R. Beaglehole, R. Bonita and T. Kjellström

This is an excellent introduction to epidemiology that explains the language and methods used in the type of studies conducted by CMVH. Chapter 4 (of the free version) is about the statistical methods used in epidemiology.

You can download a free pdf file of an earlier version of the book at:

<http://whqlibdoc.who.int/publications/9241544465.pdf>

If you want to buy the latest edition, you can find it here at amazon.com:

<http://tinyurl.com/yz4ghdf>

The Little Handbook of Statistical Practice

By G.E. Dallel

<http://www.tufts.edu/~gdallal/LHSP.HTM>

Odds Ratios

http://www.acponline.org/clinical_information/journals_publications/ecp/mayjun00/primer.pdf

P-values

http://www.acponline.org/clinical_information/journals_publications/ecp/julaug01/primer.htm

95% Confidence Intervals

http://www.acponline.org/clinical_information/journals_publications/ecp/sepoct01/primerci.pdf

Extra for experts

Wikipedia

<http://en.wikipedia.org/wiki/Portal:Statistics>

Wikipedia is an excellent online reference for statistics. The link above is to the statistics portal. You can just search Wikipedia for the word you are looking for. For example, searching for “standard deviation” gives you:

http://en.wikipedia.org/wiki/Standard_deviation

The explanations in Wikipedia for statistics can be very detailed.

Rice virtual lab in statistics online simulations

This is a link to simulations that show statistical concepts in an interactive way.

http://onlinestatbook.com/stat_sim/conf_interval/index.html