

Biostatistics Year 4 Learning outcomes

Biostatistics I	1) Describe, discuss and compare the difference level of measurements. 2) Describe and compare statistics & parameter, 3) Describe and discuss probability distribution,
Biostatistics II	1) Create and enter data into R, 2) Describe, discuss, analyse & report descriptive statistics, 3) Describe, compare, run & report different type of univariate/bivariable analyses

Recommended books:

- Altman, D. G. (1990). Practical Statistics for Medical Research (1st. ed.): Chapman & Hall/CRC.
- Altman, D. G., Machin, D., Bryant, T. N., & Gardner, M. J. (2000). Statistics with Confidence (Second ed.). London: BMJ Books.
- Bland, M. (2000). An Introduction to Medical Statistics (3rd. ed.): Oxford University Press.
- Campbell, M., Machin, D., & Walters, S. (2007). Medical statistics: a textbook for the health sciences: Wiley-Interscience.
- Field, A. (2005). Discovering Statistics Using SPSS (Introducing Statistical Methods S.) (2nd Edition ed.): Sage Publications Ltd.
- Gupta, V. (1999). SPSS for Beginners V. Gupta (Ed.)
- Sabine Landau, B. S. E. (2003). A Handbook of Statistical Analyses Using SPSS (1st edition ed.): Chapman and Hall/CRC.
- Dawson, B., & Trapp, R. G. (2004). Basic & Clinical Biostatistics: McGraw-Hill Medical.
- Essex-Sorlie, D. (Ed.). (1995). Medical Biostatistics & Epidemiology Examination & Board Review (1 ed.): McGraw-Hill Medical Publishing.
- Petrie, A., & Sabin, C. (2000). Medical Statistics at a Glance (2nd. ed.). London: Blackwell Science.