



University of Pretoria Yearbook 2020

Biostatistics 1 751 (BOS 751)

Qualification	Postgraduate
Faculty	Faculty of Health Sciences
Module credits	15.00
Prerequisites	PHM 773
Contact time	2 practicals per week, 32 lectures per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

Types of data; Probability sampling distributions; Summary measures for data; Confidence intervals for point estimates; Normal approximations for Binomial and Poisson distributions; Graphics; Single sample and two sample hypothesis tests, both parametric and non parametric. T-tests; Welch tests; Paired t-tests; F-tests; Chi square tests; Tests of association and tests of agreement; sign tests; median tests; MWW tests; Signed ranks tests (paired data). How to perform/ obtain all the above using Stata statistical software. Estimating sample size using PS and G*Power software.

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