

University of Pretoria Yearbook 2021

Biostatistics 1 751 (BOS 751)

Qualification	Postgraduate
Faculty	Faculty of Health Sciences
Module credits	15.00
NQF Level	08
Programmes	BSchHons Epidemiology and Biostatistics
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.

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.