

University of Pretoria Yearbook 2021

Biostatistics 2 752 (BOS 752)

Qualification	Postgraduate
Faculty	Faculty of Health Sciences
Module credits	15.00
NQF Level	08
Programmes	BScHons Epidemiology and Biostatistics
Prerequisites	PHM 773, BOS 751, HME 751
Contact time	10 lectures per week, 4 practicals per week
Language of tuition	Module is presented in English
Department	School of Health System and Public Health
Period of presentation	Year

Module content

One-way ANOVA; Simple linear regression, classical and correlational; modelling strategies for multilinear regression; post regression diagnostic tests (residuals analysis) following linear regression. Kruskal-Wallis test. Mantel-Haenszel test; Revision of confounding and effect modification and M-H test; the logistic regression model; Interpretation of logistic regression Stata output; logistic regression modelling strategies; Post-regression testing and residuals analysis. How to perform/obtain all the above using Stata statistical software. Estimating sample size using PS and G*Power statistical software.

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