

University of Pretoria Yearbook 2020

Biostatistics 2 752 (BOS 752)

Qualification	Postgraduate
Faculty	Faculty of Health Sciences
Module credits	15.00
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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