

University of Pretoria Yearbook 2021

Multivariate techniques 720 (MET 720)

Qualification	Postgraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	15.00
NQF Level	08
Programmes	BComHons Statistics and Data Science BScHons Statistics and Data Science
Service modules	Faculty of Natural and Agricultural Sciences
Prerequisites	Admission to either BScHons Statistics and Data Science or BComHons Statistics and Data Science.
Contact time	1 lecture per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	Semester 1 or Semester 2

Module content

Point and Interval estimation. Sampling distributions, central limit theorem, simulations and Bootstrap. Bayesian inference, posterior distribution. Hypotheses testing using confidence intervals, ratio tests, simulated null distributions and power function. A student cannot get credit for this module with a WST undergraduate major.

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