

University of Pretoria Yearbook 2016

Statistics 162 (STK 162)

Qualification	Undergraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	7.00
Service modules	Faculty of Natural and Agricultural Sciences
Prerequisites	STK 110 GS or both STK 113 GS and STK 123 GS
Contact time	3 lectures per week, 1 practical per week
Language of tuition	Both Afr and Eng
Academic organisation	Statistics
Period of presentation	Quarter 4

Module content

Statistical and economic applications of quantitative techniques Systems of linear equations: Drafting, matrices, solving, application. Optimization: Linear functions (two and more independent variables), non-linear functions (one and two independent variables). Marginal and total functions. Stochastic and deterministic variables in statistical and economic context: Producer and consumer surplus, distribution functions, probability distributions, probability density functions. Identification, use, evaluation, interpretation of statistical computer packages and statistical techniques.

This module is also presented as an anti-semester (quarter 2) bilingual module)

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