University of Pretoria Yearbook 2020

Statistics 120 (STK 120)

Qualification	Undergraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	13.00
Programmes	BAdmin Public Management and International Relations
	BCom
	BCom Business Management
	BCom Economics
	BCom Financial Sciences
	BCom Human Resource Management
	BCom Informatics Information Systems
	BCom Law
	BCom Marketing Management
	BCom Statistics
	BCom Supply Chain Management
	BSc Computer Science
	BSc Information and Knowledge Systems
	BTRP
	BA
	BSc Geoinformatics
Service modules	Faculty of Engineering, Built Environment and Information Technology
	Faculty of Humanities
	Faculty of Natural and Agricultural Sciences
Prerequisites	STK 110 GS or both STK 113 GS and STK 123 GS or both WST 133 and WST 143 or STK 133 and STK 143
Contact time	1 practical per week, 1 tutorial per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	Semester 2

Module content

Students can only get credit for one of the following two modules: STK 120 or STK 121.
Analysis of variance, categorical data analysis, distribution-free methods, curve fitting, regression and correlation, the analysis of time series and indices. Statistical and economic applications of quantitative techniques: Systems of linear equations: solving and application. Optimisation, linear functions, non-linear functions. Marginal and total functions. Stochastic and deterministic variables in statistical and economic context: producers' and consumers' surplus. Supporting mathematical concepts. Statistical concepts are illustrated using simulation within a data science framework.
This module is also presented as STK 121, an anti-semester module. This is a terminating module.