University of Pretoria Yearbook 2022

Statistics 210 (STK 210)

Qualification	Undergraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	20.00
NQF Level	06
Programmes	BCom (Informatics) Information Systems
	BCom (Law)
	BCom (Statistics and Data Science)
	BCom
	BCom (Economics)
	BCom (Investment Management)
	BIT (Information Systems)
	BSc (Computer Science)
	BSc (Information and Knowledge Systems)
	BSocSci (Philosophy, Politics and Economics)
	BSc (Meteorology)
Service modules	Faculty of Engineering, Built Environment and Information Technology
	Faculty of Humanities
	Faculty of Natural and Agricultural Sciences
Prerequisites	STK 110, STC 122 or WST 111, WST 121
Contact time	1 practical per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	Semester 1

Module content

Statistical problem solving. Causality, experimental and observational data. Probability theory. Multivariate random variables. Discrete and continuous probability distributions. Stochastic representations. Measures of association. Expected values and conditional expectation. Simulation techniques. Supporting mathematical concepts. Statistical concepts are demonstrated and interpreted through practical coding and simulation within a data science framework.

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