

University of Pretoria Yearbook 2016

Statistics 220 (STK 220)

Qualification Undergraduate

Faculty Faculty of Economic and Management Sciences

Module credits 20.00

Programmes BCom Agribusiness Management

BCom Economic and Management Sc

BCom Economics

BCom Informatics: Information Systems

BCom Investment Management

BCom Law

BCom Statistics

BSocSci Option: Philosophy, Politics and Economics

BScAgric Agricultural Economics: Agribusiness Management

Service modules Faculty of Engineering, Built Environment and Information Technology

Faculty of Humanities

Faculty of Natural and Agricultural Sciences

Prerequisites STK 210 GS

Contact time 3 lectures per week, 1 practical per week

Language of tuition Double Medium

Academic organisation Statistics

Period of presentation Semester 2

Module content

Special probability distributions: the discrete uniform distribution, Bernoulli distribution, binomial distribution, negative binomial and geometric distribution, the hypergeometric distribution, Poisson distribution and multinomial distribution. Special probability densities: Uniform distribution, gamma, exponential and chi-square distributions, the beta distribution, the normal distribution and the bivariate normal distribution. Functions of random variables. Sampling distributions, point estimation, interval estimation and hypothesis testing. Regression Analysis. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

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