



University of Pretoria Yearbook 2017

Statistics 210 (STK 210)

Qualification Undergraduate

Faculty Faculty of Economic and Management Sciences

Module credits 20.00

Programmes BCom

BCom Agribusiness Management

BCom Economics

BCom Informatics Information Systems

BCom Investment Management

BCom Law

BCom Statistics

BSc Information and Knowledge Systems

BSocSci Philosophy, Politics and Economics

BScAgric Agricultural Economics and Agribusiness Management

Service modules Faculty of Engineering, Built Environment and Information Technology

Faculty of Humanities

Faculty of Natural and Agricultural Sciences

Prerequisites STK 110, STK 120

Contact time 3 lectures per week, 1 practical per week

Language of tuition Module is presented in English

Academic organisation Statistics

Period of presentation Semester 1

Module content

Counting techniques. Probability theory: Sample spaces, events, rules of probability, conditional probabilities, independent events and Bayes' theorem. Probability distributions and probability densities: cumulative distribution functions, marginal distributions, joint distributions, conditional distributions and independence. Expected values: Moments, Chebyshev's theorem, moment-generating functions, product moments, moments of linear combinations of random variables and conditional expectations. Transformation techniques of random variables. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.



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