

University of Pretoria Yearbook 2017

Statistics 220 (STK 220)

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 210 GS

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 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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