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	1 practical per week, 3 lectures per week
Language of tuition	Module is presented in English
Department	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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