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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