Statistics 133 (STK 133)

Qualification	Undergraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	8.00
Programmes	BCom (M) Four-year programme
Prerequisites	At least 3 (40-49%) in Mathematics in the Grade 12 examination; BCom non-numeric stream students must take WTW 133 concurrently.
Contact time	2 tutorials per week, 3 lectures per week, 1 practical per week
Language of tuition	English
Academic organisation	Statistics
Period of presentation	Semester 1

Module content

Data operations and transformations: Introductory concepts, the role of statistics, various types of data and the number system. Concepts underlying hyperbolic transformations of quantitative data. The relationship between the exponential and logarithmic functions in economic and related problems. Systems of equations in equilibrium. Additional concepts relating to data processing, factorial notation and absolute values.

Descriptive statistics – Univariate: Sampling and the collection of data, frequency distributions and graphical representations. Descriptive measures of location and dispersion. Correlation and regression: Least squares line, single log, double log and inverse transformations. Report writing and presentation. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques.

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