



# University of Pretoria Yearbook 2021

## Statistics 110 (STK 110)

**Qualification** Undergraduate

**Faculty** Faculty of Economic and Management Sciences

**Module credits** 13.00

**NQF Level** 05

**Programmes** BAdmin Public Management and International Relations

BCom

BCom Accounting Sciences

BCom Agribusiness Management

BCom Business Management

BCom Economics

BCom Financial Sciences

BCom Human Resource Management

BCom Informatics Information Systems

BCom Investment Management

BCom Law

BCom Marketing Management

BCom Statistics and Data Science

BCom Supply Chain Management

BIT Information Systems

BSc Computer Science

BSc Construction Management

BSc Information and Knowledge Systems

BSc Quantity Surveying

BSc Real Estate

BTRP

BA

BSocSci Philosophy, Politics and Economics

BConSci Clothing Retail Management



BConSci Food Retail Management

BConSci Hospitality Management

BSc Geoinformatics

BScAgric Agricultural Economics and Agribusiness Management

**Service modules** Faculty of Engineering, Built Environment and Information Technology

Faculty of Education

Faculty of Humanities

Faculty of Natural and Agricultural Sciences

**Prerequisites** At least 5 (60-69%) in Mathematics in the Grade 12 examination. Candidates who do not qualify for STK 110 must register for STK 113 and STK 123

**Contact time** 1 practical per week, 1 tutorial per week, 3 lectures per week

**Language of tuition** Module is presented in English

**Department** Statistics

**Period of presentation** Semester 1

### Module content

Descriptive statistics:

Sampling and the collection of data; frequency distributions and graphical representations. Descriptive measures of location and dispersion.

Probability and inference:

Introductory probability theory and theoretical distributions. Sampling distributions. Estimation theory and hypothesis testing of sampling averages and proportions (one and two-sample cases). Supporting mathematical concepts. Statistical concepts are demonstrated and interpreted through practical coding and simulation within a data science framework.

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