

University of Pretoria Yearbook 2022

Statistics 110 (STK 110)

Qualification Undergraduate

Faculty Faculty of Economic and Management Sciences

Module credits 13.00

NQF Level 05

Programmes BCom (Agribusiness Management)

BCom (Informatics) Information Systems

BCom (Law)

BCom (Statistics and Data Science)

BAdmin (Public Management and International Relations)

BCom

BCom (Accounting Sciences)

BCom (Business Management)

BCom (Economics)

BCom (Financial Sciences)

BCom (Human Resource Management)

BCom (Investment Management)

BCom (Marketing Management)

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)

BSc (Geoinformatics)

BSc (Meteorology)

BConSci (Clothing Retail Management)

BConSci (Food Retail Management)

BConSci (Hospitality 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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