



# University of Pretoria Yearbook 2022

## Statistics 210 (STK 210)

**Qualification** Undergraduate

**Faculty** [Faculty of Economic and Management Sciences](#)

**Module credits** 20.00

**NQF Level** 06

**Programmes** [BCom \(Informatics\) Information Systems](#)

[BCom \(Law\)](#)

[BCom \(Statistics and Data Science\)](#)

[BCom](#)

[BCom \(Economics\)](#)

[BCom \(Investment Management\)](#)

[BIT \(Information Systems\)](#)

[BSc \(Computer Science\)](#)

[BSc \(Information and Knowledge Systems\)](#)

[BSocSci \(Philosophy, Politics and Economics\)](#)

[BSc \(Meteorology\)](#)

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

Faculty of Natural and Agricultural Sciences

**Prerequisites** STK 110, STC 122 or WST 111, WST 121

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

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

**Department** Statistics

**Period of presentation** Semester 1

### Module content

Statistical problem solving. Causality, experimental and observational data. Probability theory. Multivariate random variables. Discrete and continuous probability distributions. Stochastic representations. Measures of association. Expected values and conditional expectation. Simulation techniques. Supporting mathematical concepts. Statistical concepts are demonstrated and interpreted through practical coding and simulation within a data science framework.



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