

University of Pretoria Yearbook 2017

The science of data analytics 353 (STK 353)

Qualification Undergraduate

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

Module credits 25.00

Programmes [BCom Statistics](#)

[BSc Actuarial and Financial Mathematics](#)

[BSc Mathematical Statistics](#)

[BScAgric Agricultural Economics and Agribusiness Management](#)

Service modules Faculty of Natural and Agricultural Sciences

Prerequisites STK 210, STK 220 or WST 211, WST 221

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 2

Module content

Sampling: basic techniques in probability, non-probability, and sampling methods. Designing experiments: experimental and control groups, different data types and relationships. Big and small data: exploring popular trends used in practice. Consultation practice: ethical considerations, study design, data collection and presentation, report writing and presentation. Hands-on application of statistical software and packages to real-life datasets.

The information published here is subject to change and may be amended after the publication of this information. The [General Regulations \(G Regulations\)](#) apply to all faculties of the University of Pretoria. It is expected of students to familiarise themselves well with these regulations as well as with the information contained in the [General Rules](#) section. Ignorance concerning these regulations and rules will not be accepted as an excuse for any transgression.