

University of Pretoria Yearbook 2018

Statistics 320 (STK 320)

Qualification Undergraduate

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

Module credits 25.00

Programmes [BCom](#)

[BCom Economics](#)

[BCom Informatics Information Systems](#)

[BCom Law](#)

[BCom Statistics](#)

[BScAgric Agricultural Economics and Agribusiness Management](#)

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

Faculty of Natural and Agricultural Sciences

Prerequisites STK 210, STK 220.

Contact time 1 practical per week, 3 lectures per week

Language of tuition Module is presented in English

Department Statistics

Period of presentation Semester 2

Module content

Only one of the modules WST 321 or STK 320 may be included in any study programme. Stationary and non-stationary univariate time series. Properties of autoregressive moving average (ARMA) and autoregressive integrated moving average (ARIMA) processes. Identification, estimation and diagnostic testing of a time series model. Forecasting. Multivariate time series. Practical statistical modelling and analysis using statistical computer packages. Categorical data analysis. Identification, use, evaluation and interpretation of statistical computer packages and statistical techniques. Student seminars.

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