



University of Pretoria Yearbook 2021

Applications in data science 212 (WST 212)

Qualification	Undergraduate
Faculty	Faculty of Economic and Management Sciences
Module credits	12.00
NQF Level	06
Programmes	BCom Informatics Information Systems BCom Investment Management BCom Statistics and Data Science BIT Information Systems BSc Computer Science BSc Information and Knowledge Systems BSc Actuarial and Financial Mathematics BSc Mathematical Statistics
Prerequisites	WST 111, WST 121 or STK 110, STC 122
Contact time	1 practical per week, 2 lectures per week
Language of tuition	Module is presented in English
Department	Statistics
Period of presentation	Semester 1

Module content

Introductory machine learning concepts. Data base design and use. Data preparation and extraction. Statistical modelling using data base structures. Statistical concepts are demonstrated and interpreted through practical coding and simulation within a data science framework.

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