



# University of Pretoria Yearbook 2022

## Applications in data science 212 (WST 212)

<b>Qualification</b>	Undergraduate
<b>Faculty</b>	<a href="#">Faculty of Economic and Management Sciences</a>
<b>Module credits</b>	12.00
<b>NQF Level</b>	06
<b>Programmes</b>	<a href="#">BCom (Informatics) Information Systems</a> <a href="#">BCom (Statistics and Data Science)</a> <a href="#">BCom (Investment Management)</a> <a href="#">BIT (Information Systems)</a> <a href="#">BSc (Computer Science)</a> <a href="#">BSc (Information and Knowledge Systems)</a> <a href="#">BSc (Meteorology)</a> <a href="#">BSc (Actuarial and Financial Mathematics)</a> <a href="#">BSc (Mathematical Statistics)</a> <a href="#">BScAgric (Agricultural Economics and Agribusiness Management)</a>
<b>Prerequisites</b>	WST 111, WST 121 or STK 110, STC 122
<b>Contact time</b>	1 practical per week, 2 lectures per week
<b>Language of tuition</b>	Module is presented in English
<b>Department</b>	Statistics
<b>Period of presentation</b>	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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