Programming in R (Eng)

Offered by Stellenbosch University

What to expect?

R is a powerful programming language for data analysis and statistical computing. In this module, students will learn to become efficient in programming using R, with a specific focus on developing algorithmic solutions to data analytics problems. The module starts with the basics of R programming for Data Science, covering data types, data objects, control structures and input/output control.

A strong focus is placed on using R for data engineering, and to get raw data ready for analytics and predictive modelling. Programs will be developed for visual analytics, and for predictive modelling, including linear regression, decision trees, and random forests.

Minimum admission requirements

The applicant must at least hold an approved BTech, BEng, or a BSc degree from a South African university or university of technology. In cases where the applicant's prior learning makes him/her a suitable candidate for the short course, his/her prior learning will be considered by the course leader in the application process.

In taking part in this course, it is recommended that students with no programming experience allow sufficient time to work intensely through the pre-reading material as well as the videos that cover the basics of programming.

Contact the course facilitator for further details.

PRESENTERS

LE Burger, Lecturer at Industrial Engineering View Bio

PRESENTATION MODE AND DATES

This short course is presented online.   View dates

The course consists of three parts:

2 Pre-block weeks
1 Lecture week
6 Post block weeks

REGISTRATION

Register here 2 weeks before the Pre-block starts.

* Take note: your registration and proof of payment must reach us before the Pre-block starts to gain access to the platform SUNOnline.

ASSESSMENT

Pre-block assignment	20%
Lecture week assessments	20%
Post block assignments	3 x 20%

CERTIFICATE OF COMPETENCE

Requirements - 50% average over all assignments submitted

FEES 2023: R 20 000

NQF Level 8

CONTACT

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