

Introductory short course on statistics and data analysis for research purposes using R

29 - 31 January 2018 Potchefstroom

The subject group Statistics of the North-West University is presenting a short course to familiarise delegates with the open-source statistical software R. This short course aims to equip participants with the skills necessary to understand, analyse and interpret typical statistical output whilst learning to work with R. R is increasingly used among researchers, a fact attested to in an <u>article of the R programming language</u> in the prestigious journal Nature.

R software skills	Statistical techniques
 R installation, packages and use of help facilities Import data from txt, csv and Excel files Identification and use of data types Creation of data variables Indexing and manipulating data variables Basic data operations using simple mathematical and statistical operators Elementary data analysis using built-in functions 	 Exploratory data analysis, including summary statistics and graphical presentations of data Categorical data analysis (Pearson's chi-square test) Comparing one and two means (t-tests) Comparing several means (ANOVA) Correlation and simple linear regression analysis Multiple linear regression analysis with advanced topics including the creation of dummy variables and diagnosing influential cases and multicollinearity, etc.

Course fee

R 3 200 per NWU student/ NWU personnel for all three days. R 4 000 per non-NWU affiliated delegate for all three days. Course material, tea and lunch included.

Registration closing date 12 January 2018

Certificate awarded

A certificate of attendance from the North-West University will be awarded to all delegates who have completed the course.

To register for the short course, please complete the registration form:

https://goo.gl/forms/2Ab0lpbwR7oCAAiT2

Enquires:

Short course content

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Payment of course fee

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