



### Short Course Announcement

#### PROGRAMMING USING R

Computer programming has certainly enabled researchers to solve problems that could not have been solved due to limited human capacity. A number of computer software have been developed to assist with essential tasks including data collection, data analysis, spatial mapping among other uses. Unfortunately, most of these computer software are commercial and maintaining their annual licenses is often costly, especially for institutions in the developing countries. R statistical software is one such open source software with great potential.

This course is organized in three parts from introductory R to advanced analytics and programming in R. The first part intends to **INTRODUCE** the participants to R programming following the course outline below.

#### COURSE CONTENT:

- ▶ Basic concepts; data organization.
- ▶ Data Import and Export and Data Simulation.
- ▶ Data Manipulation before Analysis.
- ▶ Getting help in R and R Documentation.
- ▶ Techniques for Graphics and Charts.
- ▶ Maintaining Sessions in R.
- ▶ R Sweave (Preparing Presentations and Documentation)

#### The series of courses will be delivered by:

- Dr. Rachel Sarguta, Dr. Carolyne Ogutu, Dr. Joseph Mwaniki, Dr. Davis Bundi, Dr. Timothy Kamanu and Dr. Nelson Owuor (The University of Nairobi)
- Dr. Jane Aduda and Ms. Caroline Mugo (JKUAT)

**Workshop Dates: 26<sup>th</sup> – 29<sup>th</sup> June 2018**

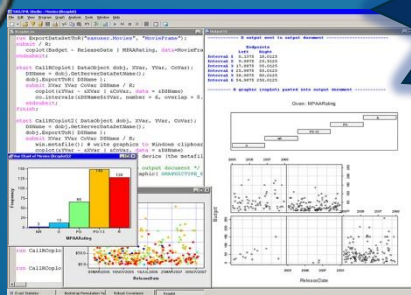
**VENUE: At the University of Nairobi, School of Mathematics,  
Chiromo Campus School of Physical Sciences (SPS) Boardroom Facility**

**Target Audience: This course targets all people in research, statisticians in research organizations, data managers, lecturers of statistics and postgraduate students who intend to enhance their skills in modern programming and data analysis using R.**

For Registration, click [HERE](#)

**Costs: 25,000/- (250\$)** – Conference package and logistical costs. No accommodation will be provided.

Enquiries to Dr. Rachel Sarguta +254725878750 or Dr. Carolyne Ogutu +254720361979. Write to us an email at: [rsarguta@uonbi.ac.ke](mailto:rsarguta@uonbi.ac.ke), [cogutu@uonbi.ac.ke](mailto:cogutu@uonbi.ac.ke) and for other official inquiries: [maths@uonbi.ac.ke](mailto:maths@uonbi.ac.ke)



**Registration  
closes 20<sup>th</sup>  
June 2018**