# SUMMER SCHOOL
## Data analysis, scientific writing and publishing in Natural Sciences
### 1st to 5th October, 2018,
**Department of Human Geography, University of Nairobi, Kenya**
**In collaboration with Goethe University , Germany**

JOHANN WOLFGANG GOETHE
**UNIVERSITÄT**
FRANKFURT AM MAIN

**DAAD**
Deutscher Akademischer Austauschdienst
German Academic Exchange Service

## Why this course?

This course prepares MSc and PhD students who are at the stages of data analysis and manuscript development for publishing their research work in reputable journals

### Definition of the problem

It has been noted that most students have good research ideas but fail to apply appropriate data analysis methods, and share their findings (Klein, 2006, Rezaeian, 2015) )

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## Topics to be covered

The course content will focus on:

• Statistical analysis in R
• E -resources
• Manuscript writing
• Reference management
• Publishing
• Poster development and presentation
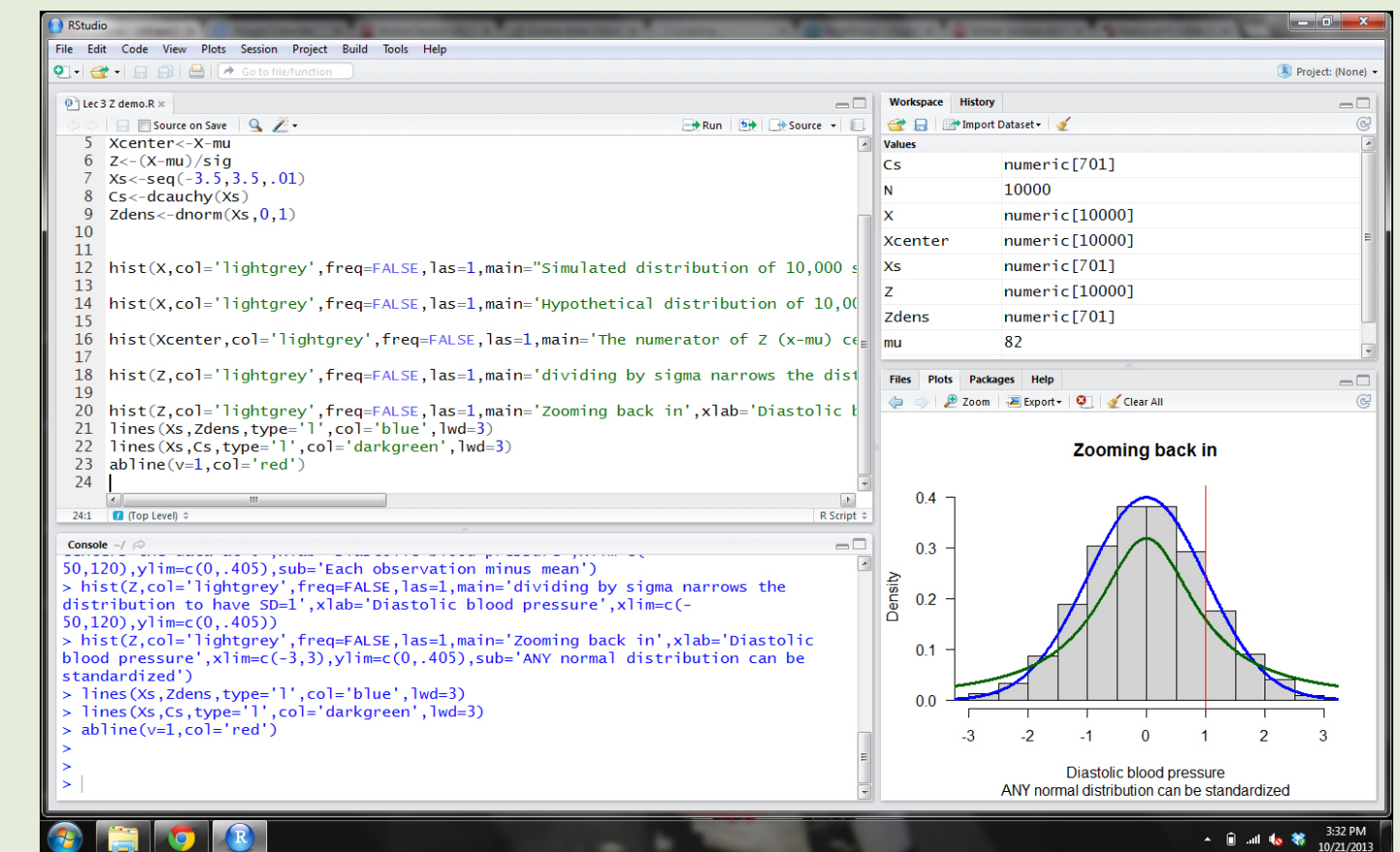
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## Learning outcomes

The participants must:

• be able to design and analyse data from different research designs using R
• attain skills on how to access e-resources for natural science research form credible journals
• have the ability to develop a manuscript according to the acceptable journal standards
• acquire skills on how to create a database of references and use Mendeley reference software
• identify the relevant journals for their research work
• gain the aptitude to communicate through a scientific poster
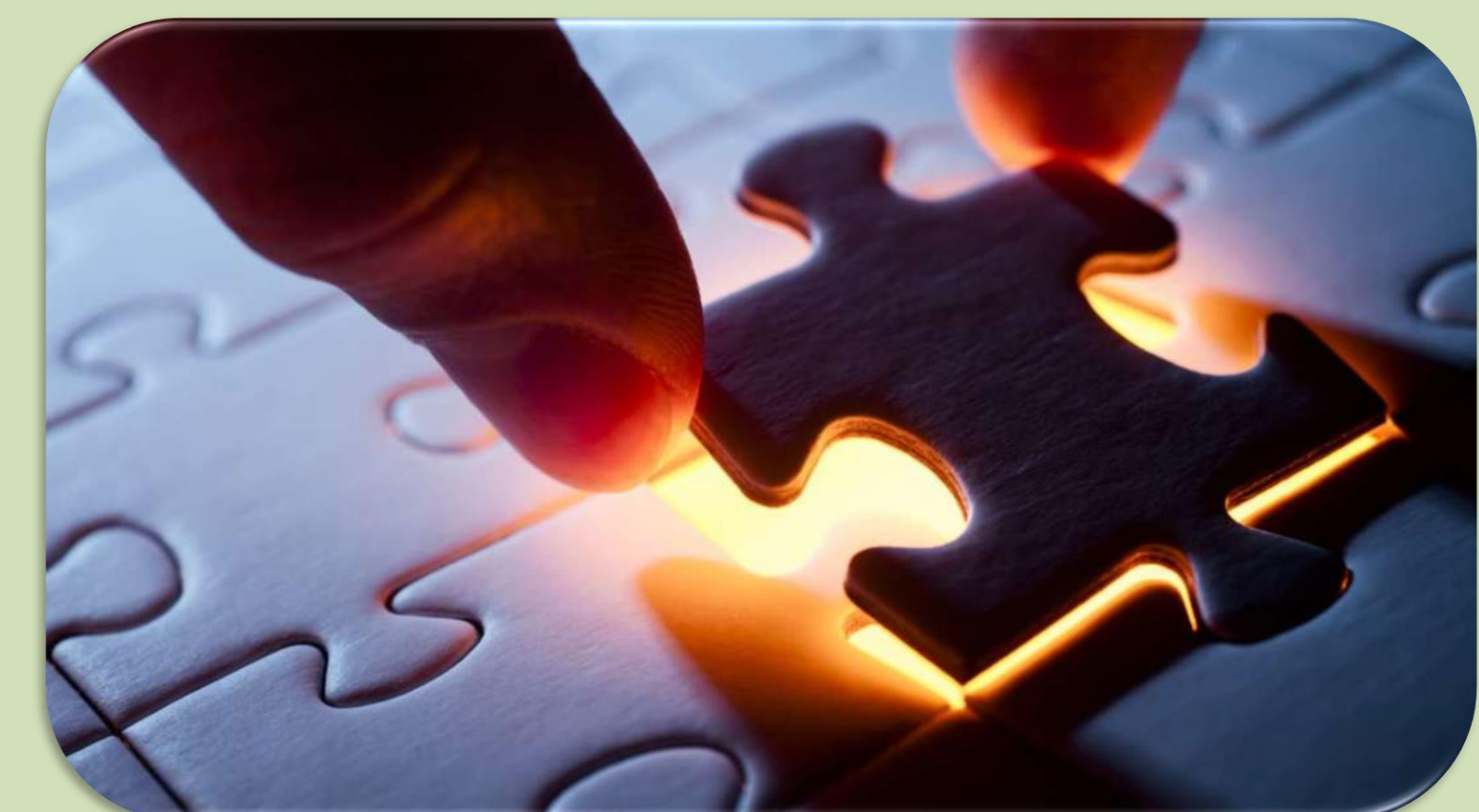• gain interpersonal and communication skills in their field of research

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## Learning environment

• Interactive and peer learning
• E-Learning
• Cognitivism and experiential learning
• Jigsaw method

Who should attend:

• MSc and PhD Students in Natural Sciences

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## Basic learning materials

Prerequisites for the course:
• Must have cleaned data ready for analysis
• Laptop/Tablet
• Abstract/ draft manuscript

**Download the following software:**

https://www.rstudio.com/products/rstudio/download

https://www.mendeley.com/download-desktop

R

MENDELEY

Literature:
Rezaeian, M. (2015). How to avoid the rejection of your manuscript. Middle East Journal of Business, 10, 46-7

Klein, P. D. (2006). The challenges of scientific literacy: From the viewpoint of second-generation cognitive science. International Journal of Science Education, 28, 143-178.

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**Limited Places!!**
**(30 Participants)**

For more information about the application process and funding www.statsgurus.com
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