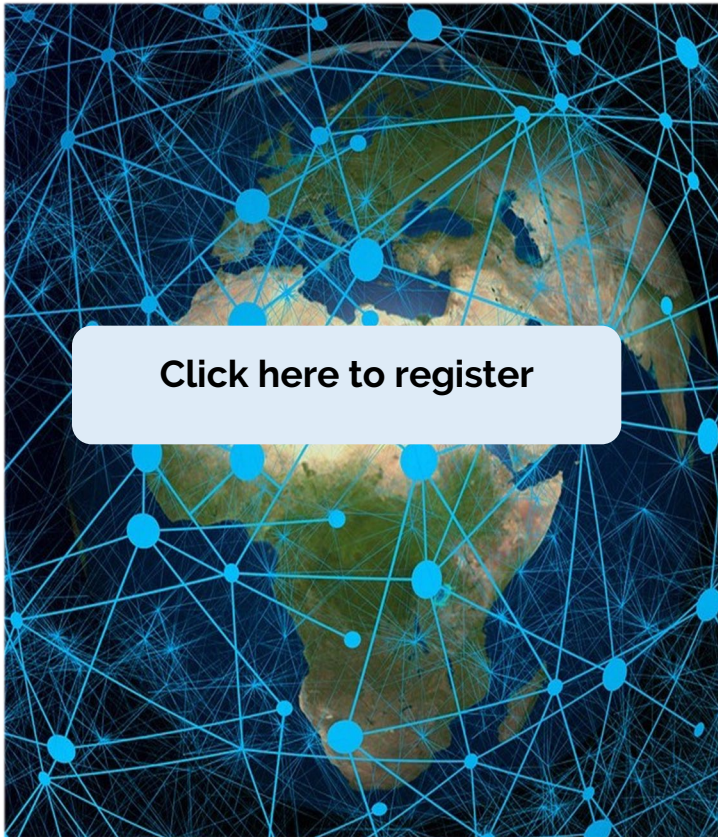


MACHINE LEARNING WORKSHOP

Venue of Course: Wits SPH Computer Lab

Date/s: 4 – 8 November 2019 (5 days)

Time: 8h30-16h30 (daily)



[Click here to register](#)

Banking Details:

Khanyisa Project

FNB Account Number: 62455271686

Branch Code: 210554

BIostatistics Training (SSACAB) in
collaboration with Julius Center,
University Medical Center Utrecht &
Wits School of Public Health

Course Overview

We live in a world where data are becoming more and more important. Machine learning has become popular for learning from data, either to predict an outcome or to discover new structure in the data. In this 5-day course, you will learn the basics of machine learning, with a special focus on sparse data as they occur in high dimensional 'omics' types of data and on the typical application of machine learning in Medicine.

At the end of the course, you will:

- Be familiar with and has practical experience with the main methods of machine learning:
Nearest neighbours
- Bayes classifiers and discriminant analyses
Decision trees, boosting and random forest
Regularization methods (ridge, lasso, elastic net) Support Vector Machines
- Neural networks
- Principal Component Analysis
- Two-Way Orthogonal Partial Least Squares (OPLS)

Course Director:

Prof. Dr. René Eijkemans, UMC Utrecht,

The Netherlands Course Costs:

R 6500 (WITS R 3250); free of charge for SSACAB fellows

For more information, please contact Dr. Pascalia Munyewende (pascalia.munyewende@wits.ac.za).



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