

Data science for Development

Date and time:

Wed, 2015-09-30 09:49

The African Centre of Technology Studies in collaboration with University of Nairobi and AI Research, Makerere University will be conducting training on Data Science.

Harnessing the use of Big Data for Socio-economic Development in Africa

Date: 12th - 13th, October 2015

Venue: SCI Lab, Chiromo Campus, University of Nairobi

Course Objectives

Participants will be able to:

- o Identify & extract big data from disparate sources
- o Clean & manipulate big data
- o Perform computations and analysis of big data
- o Develop models and applications for predictive analysis
- o Develop & implement a big data strategy for an organization
- o Report & visualize data analysis results

Course Outline

- o Introduction to Data Science & Big Data
- o The Data Science eco-system
- o Data Science case studies in Africa
- o Practicum
- o Emerging research and science issues
- o Moving from data to action

Course Convenors

Ernest Mwebaze - AI Research Lab, Makerere University

Martin Mubangizi - AI Research Lab, Makerere University

Raymond Mugwanya - African Centre for Technology Studies

Christopher Chepken - University of Nairobi

Target participants (Max. 30):

This course is ideal for anyone, including managers, programmers, architects and administrators, who want a foundational overview of Data Science and how it can be integrated to provide suitable solutions for their organization. No programming experience is required. Programmers should be aware that the exercises in this course are intended to give attendees high-level exposure to the capabilities of Data Science software tools and techniques, and not a deep dive.