Stellenbosch UNIVERSITY IYUNIVESITHI UNIVERSITEIT

NITheCS National Institute for Theoretical and Computational Sciences

UPPSALA UNIVERSITET

The Africa-Europe Cluster of Research Excellence: Addressing Global and African Challenges Through Methods of Artificial Intelligence, Data Science, and Theoretical and Computational Thinking

presents a

MASTERCLASS:

Data science and modelling of football

Wednesday, 1 November 2023
09h15-13h00 SAST

Teacher: Prof David Sumpter (Uppsala University)

VENUES:
- Africa-Europe CoRE-AI universities
- *In Stellenbosch*: Room 2002, 2nd floor, Mathematical Sciences / Industrial Psychology building, Stellenbosch University
- Online

ABSTRACT

This is a half-day introduction to using machine learning and modelling in football for data scientists, MSc and PhD students, and industry professionals.

We will go through how to use logistic regression to fit an expected goals model of quality of chances. We will also look at models of pass success and value using other machine learning methods. By the end, you will understand how to use football data and fit simple models to it.

This lecture will also provide an introduction to the challenges of putting data science into practice.

PREPARATION

Before the meeting you need to set up a Python environment and download Wyscout data. Instructions here: https://soccermatics.readthedocs.io/en/latest/gettingstarted.html

For more information, please visit core-ai.sun.ac.za

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