

PROGRAMME

University of Bristol and Strathmore University Data Science Week

1 July – 5 July 2019

The aim of this week is to establish a knowledge exchange partnership between the University of Bristol and the Data Science Centre at Strathmore University. During this week we aim to set up the foundation for a long-term collaboration between these two Institutions. This project will support a ‘people-exchange’ programme to share data science knowledge and expertise and build capacity across disciplines and institutions developing projects that will apply data science solutions to key societal challenges relevant to the African context.

Monday 1 July 2019

Time	Activity
8:30	Bristol group arrives in Strathmore
9.00- 10.30 am	Bristol team are welcomed by Dr George Njenga the Executive Dean of the Strathmore university Business School and also meets with Rosemary and Strathmore team members that will be facilitating the workshops and lectures
10.30-11.30 am	Tea- Break -VC
11.30- 12.00 noon	Meeting with Dr John Olekuru and the entire Data Team at Strathmore
12.00-13.00 pm	Meeting senior academics, Heads of Faculty and other stakeholders. The meeting will include an introduction to the University of Bristol and the Jean Golding Institute by Kate Robson Brown
16.00- 17.00 pm	Drinks reception

Tuesday 2 July 2019

Time	Activity
8.30- 10.30 am	Beginning Python
10.30- 11.00 am	Tea Break
10:30-11:30	Beginning Python continue
11.00- 12.00 noon	Data visualisation by Tableau
13.00- 14.00 pm	Lunch Break
14.00- 17.00 pm	Version control using Git and GitHub
17.00- 18.00 pm	Lecture: “Mysteries of Modern-day Statistical Machine Learning: Explained” – Song Liu

Wednesday 3 July 2019

Time	Activity	Workshops
8.30- 10.30 am	Using Jupyter notebooks and intro to data analysis	
10.30- 11.00 am	Tea Break	
11:00-12:00	Using Jupyter notebooks and intro to data analysis	
10.00- 13.00 pm	Data visualisation by Tableau	Workshop 4a: An introduction to geospatial data (formats) followed by and an introduction to R for geospatial data (first part)
13.00- 14.00 pm	Lunch Break	
14.00-17.00 pm	Intermediate Python	Workshop 4b: An introduction to R for geospatial data (second part)
17.00- 18.30 pm	International Livestock Research Institute Talk. Opportunities in food security in Africa.	

Thursday 4 July 2019

Time	Training Activity	Workshops
8.30- 10.30 am	Applied Data Analysis with Python (data analysis techniques including visualisation)	Workshop 8a: Geospatial raster and vector information for R (first part)
10.30-11.00 am	Tea Break	Tea Break
11.00- 12.00 pm	Applied Data Analysis with Python (data analysis techniques including visualisation)	Workshop 8a: Geospatial raster and vector information for R (first part)
13.00- 14.00 pm	Lunch Break	Lunch Break
14.00- 17.00 pm	Introduction to Deep Learning (no pre-requisites required)	
14:00-17:00 pm	Health data hackathon (inviting attendees to use the skills learned over the last three days to analyse UK health data)	Workshop 8b: Geospatial raster and vector information for R (second part)
17.00 pm	Closing remarks, Professor Kate Robson Brown and Rosemary Okello-Orlale.	