FOUNDATIONAL METHODS IN DATA SCIENCE TRAINING SCHOOL
March 6th – April 2, 2022.
Kigali – Rwanda

WEEK 1

WEEK 1 (Mar 7 – Mar 12)						
Time	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**	**Saturday**
0080-830:	Registration – All participants					
0830:0840	Introductions – All participants					
0840:0850	Opening Remarks – Prof. Wilfred Ndifon / Prof. Franca Hoffmann / Prof. Sam Yala					
0850:0900	Group photo					
0900-1000	Mathematical foundations for Data science - **Bubacarr Bah & Leon Bungert**	Mathematical foundations for Data science - **Bubacarr Bah & Leon Bungert**	Mathematical foundations for Data science - **Bubacarr Bah & Leon Bungert**	Machine Learning essentials - **Philipp Berens**	Mathematical foundations for Data science - **Bubacarr Bah & Leon Bungert**	Skills course
1000-1100	Mathematical foundations for Data science - **Bubacarr Bah & Leon Bungert**	Mathematical foundations for Data science - **Bubacarr Bah & Leon Bungert**	Mathematical foundations for Data science - **Bubacarr Bah & Leon Bungert**	Machine Learning essentials – **Philipp Berens**	Mathematical foundations for Data science - **Bubacarr Bah & Leon Bungert**	Skills course
1100-1130	*Coffee break*					
1130-1230	Mathematical foundations for Data science - **Bubacarr Bah & Leon Bungert**	Mathematical foundations for Data science - **Bubacarr Bah & Leon Bungert**	Machine Learning essentials - **Philipp Berens**	Machine Learning essentials – **Philipp Berens**	Skills course	Skills course
1230-1400	*Lunch break*					
1400-1500	Skills course	Skills course	Skills course	Skills course	Skills course	Skills course
1500-1600	Skills course	Skills course	Skills course	Skills course	Skills course	Skills course
1600-1630	*Coffee break*					
1630-1730	Skills course	Skills course	Skills course	Skills course	Skills course	Skills course
1730-1830					Skills course	Skills course

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WEEK 2

WEEK 2 (Mar 14-Mar 19)						
Time	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**	**Saturday**
0830:0840	Introductions – All participants					
0840:0850	Opening Remarks – Prof. Wilfred Ndifon / Prof. Franca /Prof. Sam Yala					
0850:0900	Group photo					
0900-1000	Machine Learning essentials – **Philipp Berens**	Machine Learning essentials – **Philipp Berens**	Optimisation for Data science – **Raphael Hauser**	Optimisation for Data science – **Raphael Hauser**	Optimisation for Data science – **Raphael Hauser**	
1000-1100	Machine Learning essentials – **Philipp Berens**	Machine Learning essentials – **Philipp Berens**	Optimisation for Data science – **Raphael Hauser**	Optimisation for Data science – **Raphael Hauser**	Optimisation for Data science – **Raphael Hauser**	Training session
1100-1130	*Coffee break*					
1130-1230	Machine Learning essentials – **Philipp Berens**	Machine Learning essentials – **Philipp Berens**	Guest lecture	Optimisation for Data science – **Raphael Hauser**	Optimisation for Data science – **Raphael Hauser**	Training session
1230-1400	*Lunch break*					
1400-1500	Optimisation for Data science – **Raphael Hauser**	Methods from Control & dynamic systems – **Tryphon T Georgiou**	Methods from Control & dynamic systems – **Tryphon T Georgiou**	Methods from Control & dynamic systems – **Tryphon T Georgiou**	Methods from Control & dynamic systems – **Tryphon T Georgiou**	
1500-1600	Optimisation for Data science – **Raphael Hauser**	Methods from Control & dynamic systems – **Tryphon T Georgiou**	Methods from Control & dynamic systems – **Tryphon T Georgiou**	Methods from Control & dynamic systems – **Tryphon T Georgiou**	Methods from Control & dynamic systems – **Tryphon T Georgiou**	
1600-1630	*Coffee break*					
1630-1730	Training session	Training session	Methods from Control & dynamic systems – **Tryphon T Georgiou**	Methods from Control & dynamic systems – **Tryphon T Georgiou**	Closing	
1730-1830	Training session	Training session		Training session		

WEEK 3

WEEK 3 (Mar 21-Mar 25)						
Time	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**	**Saturday**
0830:0840	Introductions – All participants					
0840:0850	Opening Remarks –Prof. Franca Hoffmann					
0850:0900	Group photo					
0900-1000	Statistics & Scientific methods – **Peter J Diggle**	Problem solving with Data science – **David Stern**	Statistics & Scientific methods – **Peter J Diggle**	Statistics & Scientific methods – **Peter J Diggle**	Problem solving with Data science – **David Stern**	
1000-1100	Statistics & Scientific methods – **Peter J Diggle**	Problem solving with Data science – **David Stern**	Statistics & Scientific methods – **Peter J Diggle**	Statistics & Scientific methods – **Peter J Diggle**	Problem solving with Data science – **David Stern**	
1100-1130	*Coffee break*					
1130-1230	Statistics & Scientific methods – **Peter J Diggle**	Problem solving with Data science – **David Stern**	Guest lecture	Statistics & Scientific methods – **Peter J Diggle**	Problem solving with Data science – **David Stern**	
1230-1400	*Lunch break*					
1400-1500	Research methodology session	Statistics & Scientific methods – **Peter J Diggle**	Problem solving with Data science – **David Stern**	Problem solving with Data science – **David Stern**	Training session	
1500-1600	Research methodology session	Statistics & Scientific methods – **Peter J Diggle**	Problem solving with Data science – **David Stern**	Problem solving with Data science – **David Stern**	Training session	
1600-1630	*Coffee break*					
1630-1730	Research methodology session	Training session	Training session	Training session	Closing	
1730:1830	Training session	Training session		Training session		

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WEEK 4

WEEK 4 (Mar 28-April 1)					
Time	**Monday**	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
0900-1000	PhD Student Presentations	PhD Student Presentations	DATA SCIENCE WORKSHOP *From Theory to Practice*	DATA SCIENCE WORKSHOP *From Theory to Practice*	(DATA SCIENCE WORKSHOP *From Theory to Practice)*
1000-1100					
1100-1230					
1230-1400	**Lunch**		**Lunch**		**Lunch**
1400-1500	PhD Student Presentations	PhD Student Presentations	DATA SCIENCE WORKSHOP *From Theory to Practice*	DATA SCIENCE WORKSHOP *From Theory to Practice*	**Departures**
1500-1600					
1600-1730					

For details, see separate workshop schedule.