

WORKSHOP ON PROGRAMMING WITH R (WOPR 2017)

TENTATIVE PROGRAMME

Time	Details
0830-0900	Registration
0900-1000	1. Getting started. 2. Introduction to the R Language. <ul style="list-style-type: none"> Starting and quitting R. Basic features of R. Built-in functions and online help. Logical vectors and relational operators. Data input and output.
1000-1030	Group Photograph Refreshments
1030-1230	3. Programming statistical graphics. <ul style="list-style-type: none"> High-levels plot. Low-level graphics function. 4. Programming with R. <ul style="list-style-type: none"> Flow control. Managing complexity through functions. Miscellaneous programming tips. Some general programming guidelines. Efficient programming.
1230-1400	Lunch
1400-1530	5. Simulation. <ul style="list-style-type: none"> Monte Carlo simulation. Simulation of other random variables. Monte Carlo integration. 6. Computational linear algebra. <ul style="list-style-type: none"> Vectors and matrices in R. Matrix multiplication and inversion.
1530-1600	Refreshments
1600-1700	7. Numerical Optimization
1700	End of programme