

Understanding & Coding the R Programming Language

tools for flexibility in the analysis process

point...click...point...click
point...click.....sigh.....

Who would you rather be?

program...program...program
program...execute....result!

If only the software
could do the things I
want...



I'm doing
it my way!



Let the Ecology, Organism Biology and Focus on Soils & Water Research Schools at SLU get you on your way...

Understanding & Programming in R is a week-long course designed to help researchers new to the R programming language or those who haven't mastered R's programming environment to become confident in using R and to design & implement analyses specific to their own research questions (e.g. combining R functions as well as creating their own; using loops to automate repetitive processes; understanding the language structure to avoid all those messy errors). The week will begin by starting with the principles of the R language and using this as the building blocks for adding programming complexity. The course will be based on active programming using in-class exercises so that students learn not only to become more comfortable in using R packages and functions, but also to create their own functions to suit their analytic needs.

Note that this is NOT a statistics course – however, we will use some statistical examples to show how to use R to extract and plot your results. Students do not need to have used R previously, but will be required to install the program and do some basic exercises prior to the course.

NOTE also that we need to gauge interest and potentially plan for both IRL and remote elements ... it is possible that we need to run the course in parallel, with some people attending IRL and others working remotely with specific lectures and interactions over zoom. We will work out the details in the coming weeks

When: November / December 2021 (5 days full time)...exact dates to be decided

Where: Still to be decided, but most likely Uppsala, SLU campus Ultuna, and Zoom

Who: Matt Low & Malin Aronsson (Dept. Ecology) will organize and teach the course

What: You will get 5 days of intensive R programming experience

Credits: 3 ECTS

Deadline: 1st October 2021 - Limited places & they fill very quickly! (priority to Research School members; so apply NOW or miss out)

To register for the course fill in your details here

<https://www.slu.se/en/graduate-schools/ecology-basics-and-applications/programme/understanding--coding-the-r-programming-language/>

If you have any other questions you can contact me (Matt Low) at matt.low@slu.se