

Understanding & Coding the R Programming Language

tools for flexibility in the analysis process

7-11 October 2024 at Akademihotellet in Uppsala (with an online option available)

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

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



Who would you rather be?

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

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 base R and to design & implement analyses specific to their own research questions (e.g. combining R functions; 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 base R language and using this as the building blocks for adding programming complexity. The course is structured around 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 code 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.

We run the course in an interactive IRL classroom where students work at their own level of ability. The teachers (Matt & Malin) have >10 years experience teaching this course and we will look after you, from those taking their first steps into the programming world, up to those who need to fine-tune their skills in base-R programming and loops. An online option is available where you will work through the recorded course materials in your own time (i.e. you can do it anytime from October- December)

When: IRL 7-11 October (5 days full time)...with some pre-course setting up computers

Where: Uppsala (Akademihotellet conference room) + **online option available**

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

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

Credits: 3 ECTS

Deadline: 27th September 2024 - Limited places & they fill very quickly! (priority to PhDs & Research School members; so apply NOW or miss out)

To register for the course or if you have questions contact Matt Low at matt.low@slu.se