

2X: Introduction to R

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R Markdown

Welcome to 2X Intro to R!

I'm Phil, a PhD student in the Department of Government at the University of Essex. Today, we'll be learning how to use R (but you knew that already).

I'll be in an R & Stata tech support/helpdesk role throughout the second session of ESS, so feel free to get in touch throughout the next two weeks with any R/Stata tech issues you're having.

Goals for today

- ▶ Cover the main basics:
 - ▶ Understand what R is
 - ▶ Understand what RStudio is
 - ▶ Data types and structures in R
 - ▶ Manipulating data in R
 - ▶ Basic statistics and plotting in R
- ▶ Be ready for using R in ESS
- ▶ Be ready for using R in your own work
- ▶ Able to find what you need for yourself

Class structure

1. Using RStudio, data types, data structures
2. Importing datasets, manipulating data
3. Descriptive statistics, plots
4. Statistical tests and models

Each section will be about an hour to an hour and a half long. Each section will include a set of exercises so you can practice what we've learned.

I'm not necessarily expecting you to finish today - it's okay if you don't! I will be uploading a solutions sheet to the Box folder later (though I encourage you to try the exercises before looking at it!) and as above will be available for contact throughout the second session of ESS.

What is R?

What is RStudio?

Let's open it up and find out. . .

Questions before we begin?

Some R package recommendations

Questions before we finish?