Coding Demonstrations: Programming for Social Science Research

Computational methods for collecting, cleaning and analysing data are an increasingly important component of a social scientist’s toolkit. Central to engaging in these methods is the ability to write readable and effective code using a programming language.

This free series, organised by the UK Data Service, introduces core programming concepts and methods through the use of social science examples. Led by [Dr Diarmuid McDonnell]( <https://www.research.manchester.ac.uk/portal/diarmuid.mcdonnell.html>) and [Dr Julia Kasmire]( <https://www.research.manchester.ac.uk/portal/julia.kasmire.html>) of the UK Data Service, May’s demonstrations address the following topics:

* Introduction to Python for social scientists – 06 May 2020 @ 4pm
* Collecting data I: web-scraping - 13 May 2020 @ 4pm
* Collecting data II: APIs - 20 May 2020 @ 4pm
* Setting up your computational environment - 27 May 2020 @ 4pm

We work through coding examples line-by-line, explaining the logical and programmatic aspects of the methods being demonstrated. During each session you will be able to run the code yourself in real time without any installation on your machine. Each demonstration uses the popular Python programming language and lasts for roughly 30 minutes.

This series is part of a wider training programme on [new forms of data for social science research]( https://github.com/UKDataServiceOpen/new-forms-of-data).