

## Welcome to ISSU0053 Data Science and Big Data Analytics

Thanks for choosing the Data Science summer school module! I'm Dr Phil Lewis, and as module lead I look forward to meeting you, and hope you'll have a stimulating and productive time studying here at UCL.

Should you have any queries, or need assistance with installing R and RStudio or as you work through the suggested introductory tutorials please get in touch with me by email at [philip.lewis@ucl.ac.uk](mailto:philip.lewis@ucl.ac.uk).

### Getting Ready for the Module

In this course we will learn how to work with datasets and the fundamentals of Data Science using the R statistical software package. To work with R we will use the RStudio IDE which is an application that provides tools to let us edit, run and organise our R code.

#### Step 1 Install R

Download the latest version of R using the download links at <https://cloud.r-project.org/>. Select the appropriate operating system, e.g. Windows/MacOS then on the next page choose the latest release currently v3.5.0.

When the download is complete, open the downloaded file, and follow the instructions to install R.

#### Step 2 Install RStudio

Download the latest version of RStudio from the following page:

<https://www.rstudio.com/products/rstudio/download/#download>

Select the link that is appropriate for your operating system e.g. Windows/MacOS.

When the download is complete, view the downloaded file, and follow the instructions to install the application.

#### Activities

When you have R and RStudio installed you may wish to look at one the following tutorials that cover the basics of working with R:

##### ***DataCamp Introduction to R***

<https://www.datacamp.com/courses/free-introduction-to-r>

##### ***UCLeXtend : Statistical Computing with R***

<https://extendstore.ucl.ac.uk/product?catalog=UCLXR>

If you have further time you may wish to download and take a look at the contents of the course textbook:

##### ***An Introduction to Statistical Learning with Applications in R:***

[authors page \(contains link to PDF\)](#)

[resource page \(contains links to videos\)](#)

Wishing you a safe journey to London,

Phil

Dr Phil Lewis

Data Science Module Lead

[philip.lewis@ucl.ac.uk](mailto:philip.lewis@ucl.ac.uk)