**Investigating Data with R**

**Lecturer: Caelainn Barr**

**Registration 09.45 – 10.00**

**Introduction & installing software 10.00 – 10.15**

Class introductions

Installation check

**Overview of R & RStudio 10.15 – 10.45**

Introduction to R & RStudio

What do the different sections in R do

How do R & RStudio work together?

**Getting data into RStudio 10.45 – 11.30**

Importing data

Installing packages

Getting familiar with your data

Sorting and filtering

**Coffee Break 11.30 – 11.45**

**Data transformations in R 11.45 – 13.00**

Joining data sets

Subsetting data

Data types

Finding top lines in the data

**Lunch Break 13.00 – 14.00**

**Scraping and cleaning in R 14.00 – 15.15**

Scraping data

Clean and structuring data

**Coffee Break 15.15 – 15.30**

**Descriptive statistics in R 15.30 – 16.30**

**Final questions and further resources 16.30 – 17.00**