



Introduction to Data Analysis

Week 4 - Tutorial

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Workshop objectives

- ✓ Joining different datasets
- ✓ Filtering joined data
- ✓ Plotting joined data

1 Instructions

1. Follow this link [here](#) and log in into Rstudio Cloud as explained in the workshop video in Moodle.
2. In each question you will replace '____' with your answer. Knit the document once you've answered all the questions. Remember to go to `knitr::opts_chunk` at the top of the file, change `eval = TRUE`, then knit the document.

2 Exercise 1: Introduction to joins

1. Once you have logged in into the space, open `joins.Rmd`
2. This file is split into 2 sections, A and B.
 - Section A: Read through the worked example and run the code as you go, this will help you to do section B yourself.
 - Section B: Complete the two questions.

3 Exercise 2: Creating plots using AFLW data

1. Open `afl.Rmd`.
2. Complete the questions, Q1-Q9.

4 Exercise 3: An example using joins with flight data

1. Open `flight_movement.Rmd`, this contains a worked example (as there are no questions there will be no corresponding solution Rmd file)
2. Read and run the code as you go, this will help you to do exercise 4 yourself.

5 Exercise 4: Exercises using larger flight datasets

1. Open `nycflights.Rmd`
2. Section A: Run the sample code and write down what it does.
3. Section B: Complete the questions, you can copy, paste and ammend the sample code from section A, or from `flight_movement.Rmd`