**Date**

26/02/2018

**Attendees**

CW, IH, NM, RC, SM

**Location**

Roslin Institute G.020

**Points Discussed**

* Date and requirements for course
  + 4th or 5th of April provisionally
  + Number of people – Maximum 20
  + First come first served basis
  + Approx. 70 people interested
  + Re-run the course in May/June if enough interest
  + Must go through pre-course material before (see below)
* Audience
  + People that have never used R
  + People that have used R and find it very difficult
  + People that used R a long time ago and need a refresher
* Home-work /pre-course material
  + To take ~ 1 hour
  + Download and install R and R Studio
  + Open R studio
  + Go through some very basic material
    - R as a calculator (e.g 5+7 returns 12)
    - Save a vector as an object
    - Use a function (e.g mean?)
    - Understand the difference between objects and functions
    - Understand there are different classes of data
  + Go through this pre-course material at the start of the session (10 mins!)
  + Add our emails to the pre-course material so that people can contact us if they have a problem
* Main session
  + Use an R project
  + Write all code in R markdown
  + Provide people with a ZIP file containing the R markdown ‘blueprint’ code, the R project and the data
  + Lecture should be a mixture of pre-written code and coding activities/typing on the day
  + Code that they type should be easy to see and be careful not to leave people behind
  + Go through Tidyverse core functions
    - rename
    - mutate
    - select
    - filter
    - group\_by
    - case\_when
    - summarise
    - tally
    - count
    - top\_3
  + Give examples of
    - How to make a table (kableExtra)
    - How to plot the data (ggplot)
    - One statistical test (a simple t-test) (and how to interpret results)
    - One straight line/ linear model (and how to interpret results)
  + Other packages to mention
    - Skimr
    - Broom and Purr??? (probably too much but maybe next time)
* Other things to mention
  + There are lots of ways to do things in R
  + Cheat sheets and other ways to find help
  + R buddies scheme – is there a demand, do people like idea, put out some feelers
    - IH could get this approved at an AGM and make it official
    - Might just be a within-group thing at the start and then expand as we teach people
    - Aim to transform campus into R lovers
    - Code of conduct – Be nice etc
    - How to find help
    - Guidelines about HOW to ask for help
    - Time allocations
* How we will write the course
  + Use GitHub
  + Private repository
  + Need some public data that is interesting but not overwhelming and reasonably clean
  + Need a completed R markdown file that we should work towards reproducing in the class
  + Also need a R markdown file containing the pre-course material
  + Write the longer R markdown file first

**Action Points**

* + IH will start a private repository and begin setting the files up
  + CW will edit a sample of human data from UK data service and upload to GitHub
  + SM will do the pre-course material section
  + IH will investigate making R Buddies scheme official
  + ALL will write the course

**Next meeting**

TBC (On Github?!)