# Learning R

Session 2: Creating graphical plots with R

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### Overview of this R Course

- 1. Introduction to R (session 1)
- 2. Creating graphical plots with R (session 2)

#### Task 1

- 3. Correlation and Regression with R (session 3)
- 4. Creating a model with R using For loops and if-else statements (session 4)

#### Task 2

- 5. Hypothesis testing with R (session 5)
- 6. Using R packages to solve problems (session 6)

#### Task 3

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Task 2

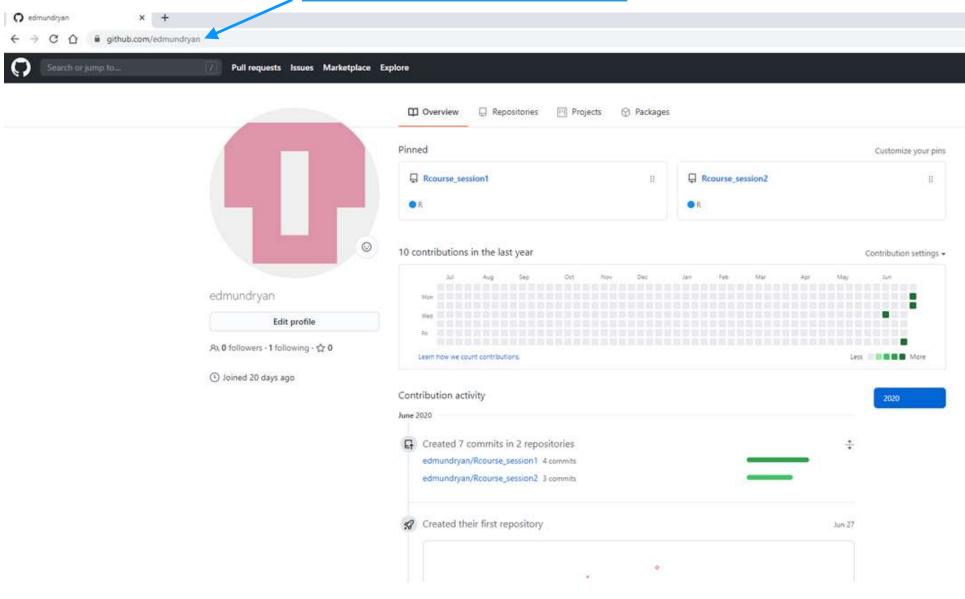
- 5. Hypothesis testing with R (session 5)
- 6. Using R packages to solve problems (session 6)

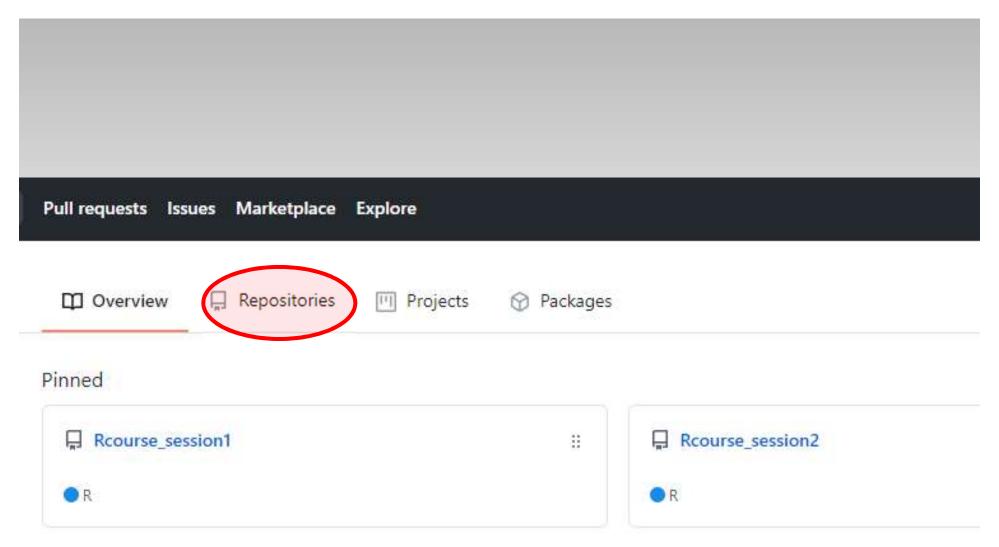
Task 3

### All R code & data files are on Github

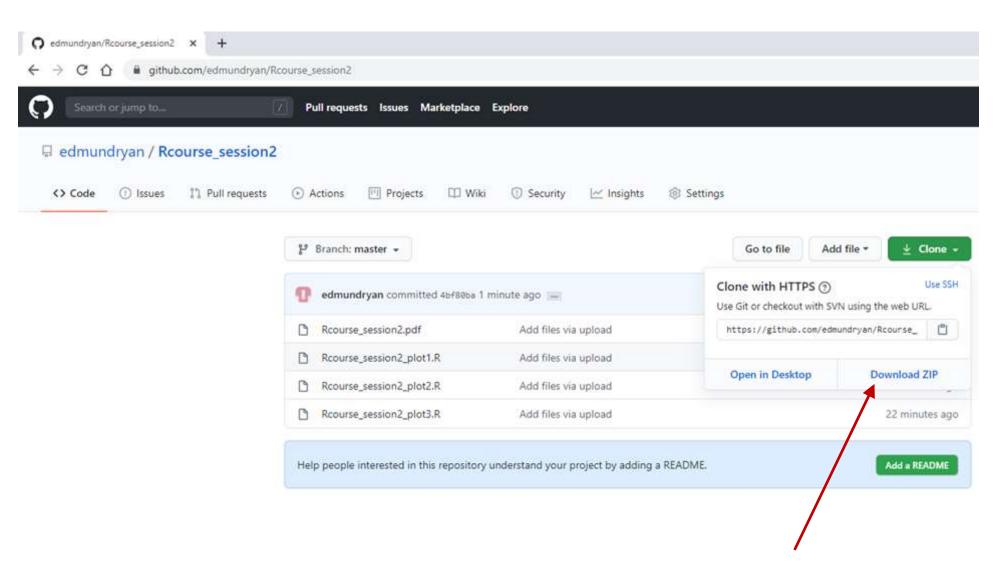
https://github.com/edmundryan

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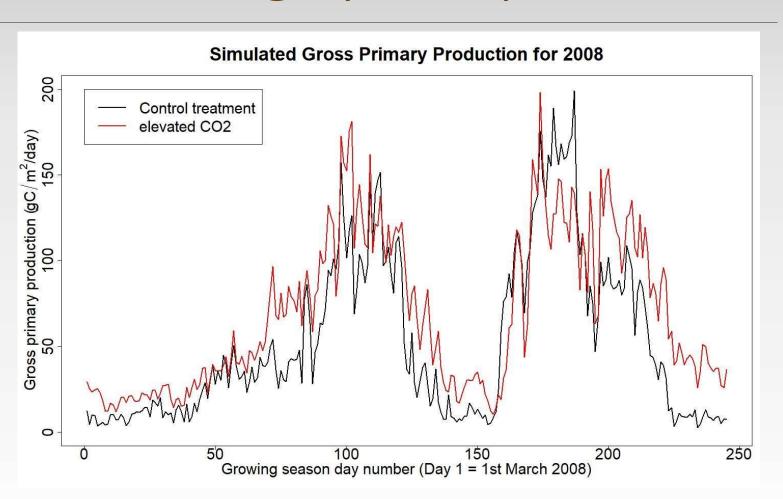


Click on 'Repositories' and then 'Rcourse\_session2'
Or
Find 'Rcourse\_session2' in the Pinned projects.

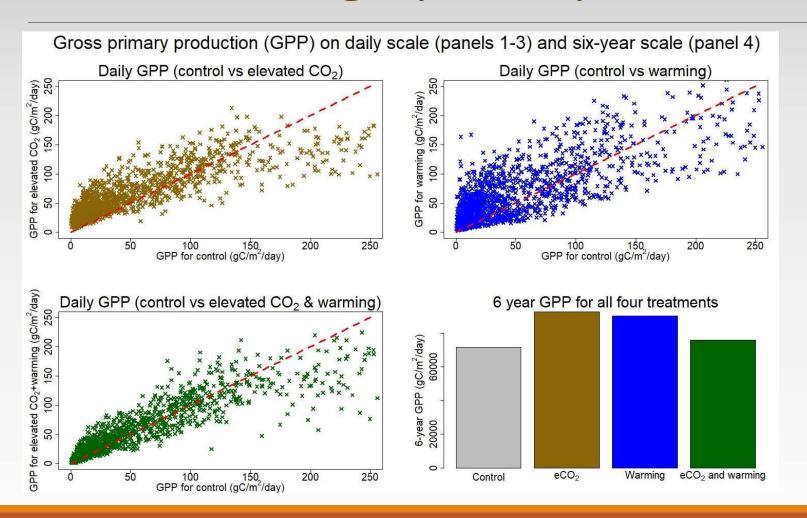


To download a zip folder of all the files, click on the 'Clone' button and then 'Download ZIP'.

# First graphical plot

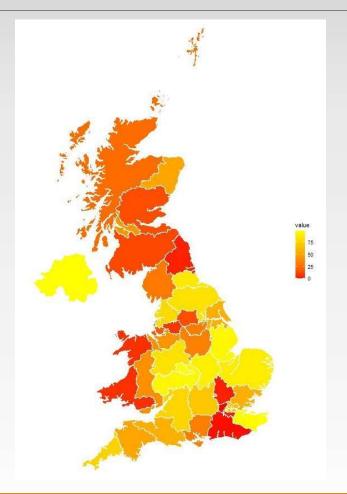


# Second graphical plot



# Third graphical plot

https://datatricks .co.uk/creatingmaps-in-r-2019

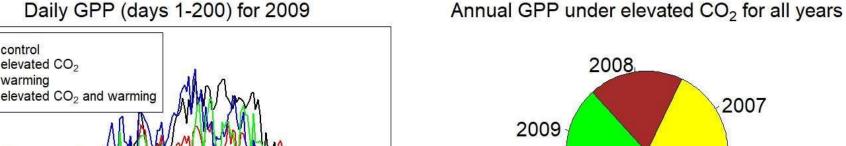


## Task 1 – create the following plot:

Gross primary production (GPP) at daily and annual time scales



GPP (gC/m²/day) 150 250



Growing season day number (Day 1 = 1st March 2009)