

Learning R

Session 2: Creating graphical plots with R

DR EDMUND RYAN



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 3

All R code & data files are on Github

<https://github.com/edmundryan>

github.com/edmundryan

The screenshot shows the GitHub profile page for user 'edmundryan'. The browser address bar displays 'github.com/edmundryan'. The profile header includes the user's name, a large pink 'D' avatar, and a bio. The 'Pinned' section lists two repositories: 'Rcourse_session1' and 'Rcourse_session2'. The '10 contributions in the last year' section features a calendar grid showing activity from July to June. The 'Contribution activity' section for June 2020 lists two events: 'Created 7 commits in 2 repositories' and 'Created their first repository'.

edmundryan

Edit profile

0 followers · 1 following · 0 stars

Joined 20 days ago

Overview Repositories Projects Packages

Pinned

Rcourse_session1

Rcourse_session2

10 contributions in the last year

Contribution settings

Contribution activity

June 2020

Created 7 commits in 2 repositories

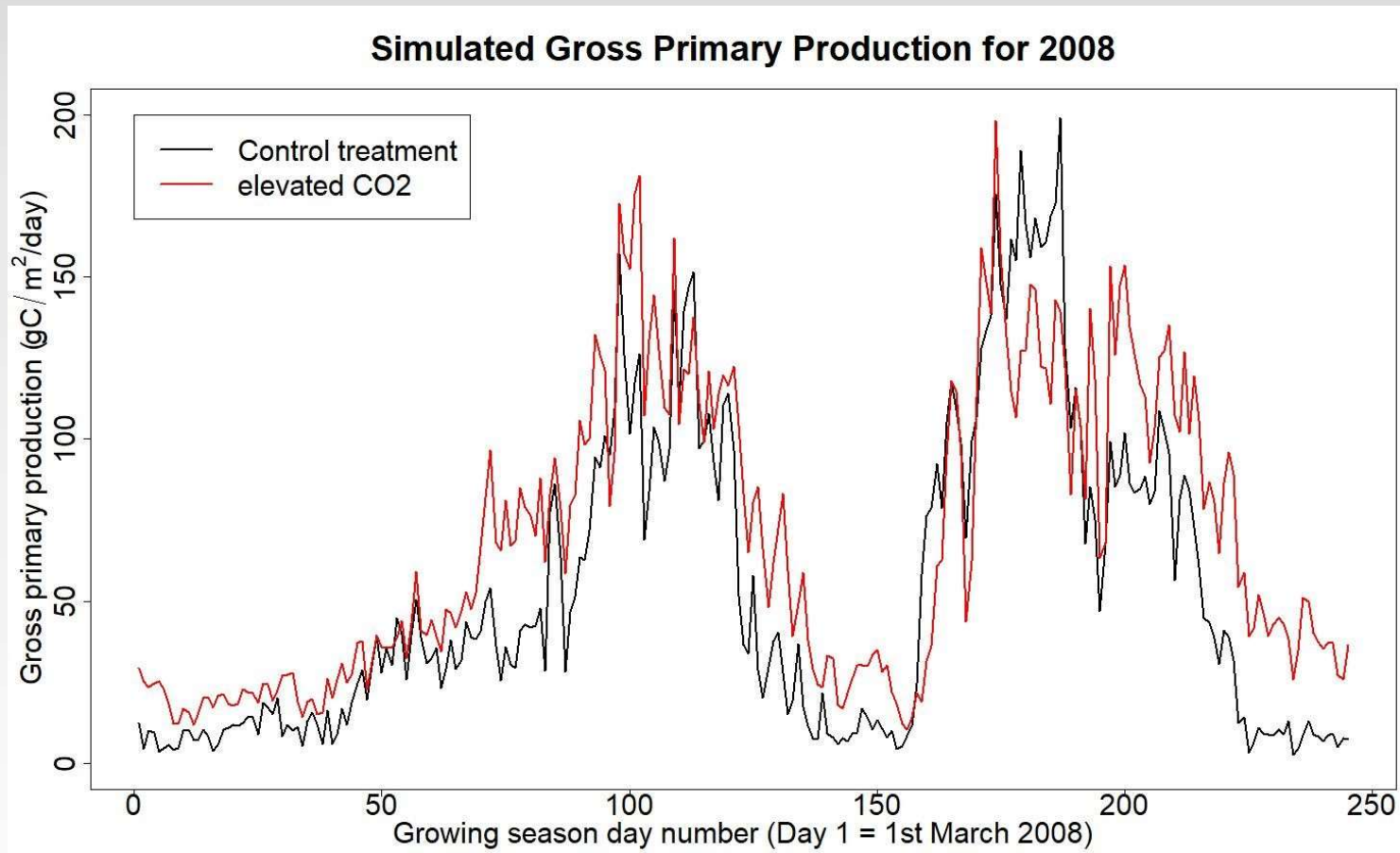
edmundryan/Rcourse_session1 4 commits

edmundryan/Rcourse_session2 3 commits

Created their first repository

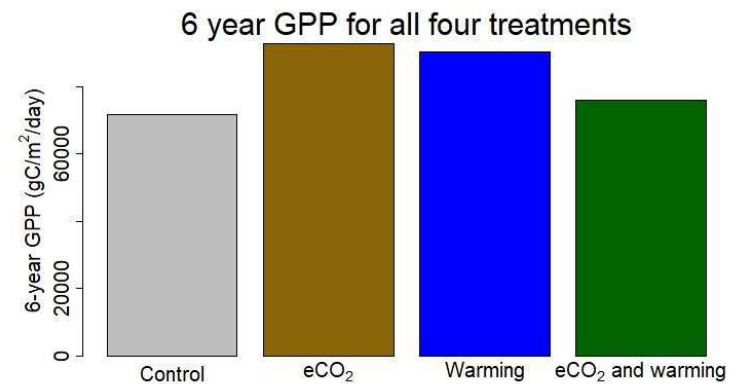
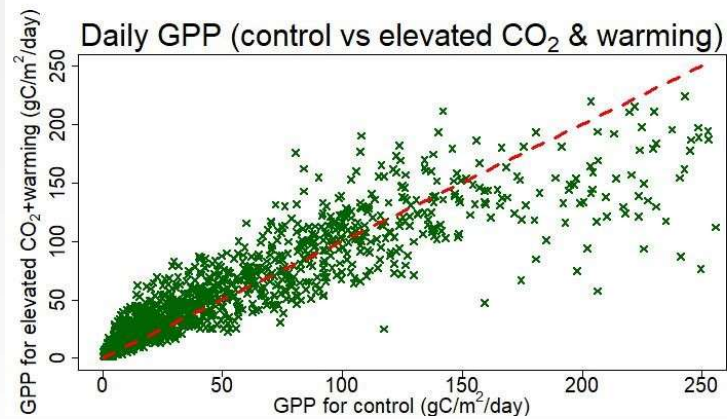
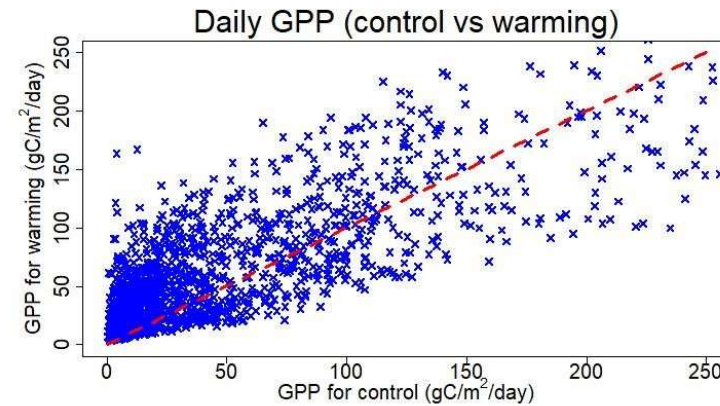
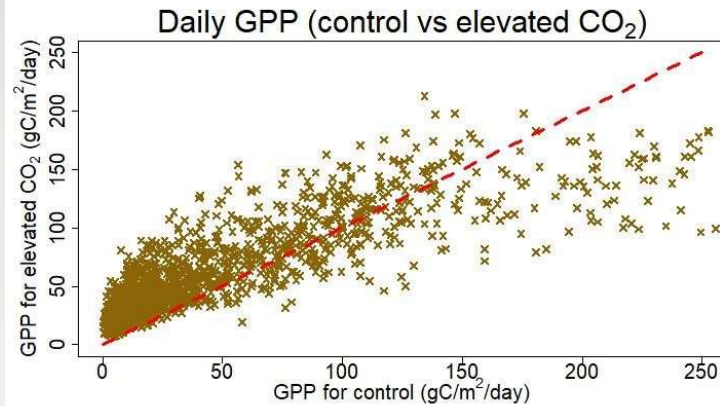
Jun 27

First graphical plot



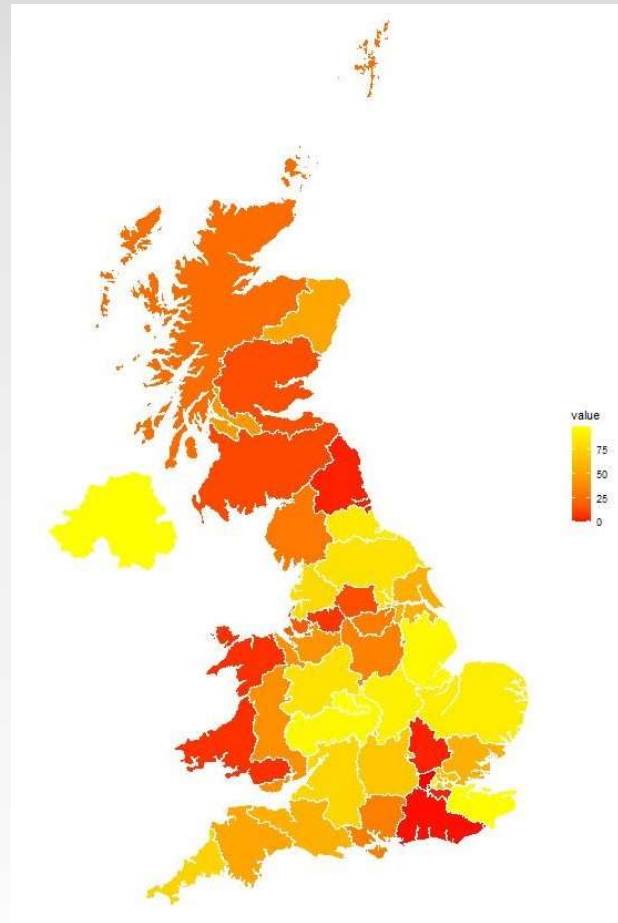
Second graphical plot

Gross primary production (GPP) on daily scale (panels 1-3) and six-year scale (panel 4)



Third graphical plot

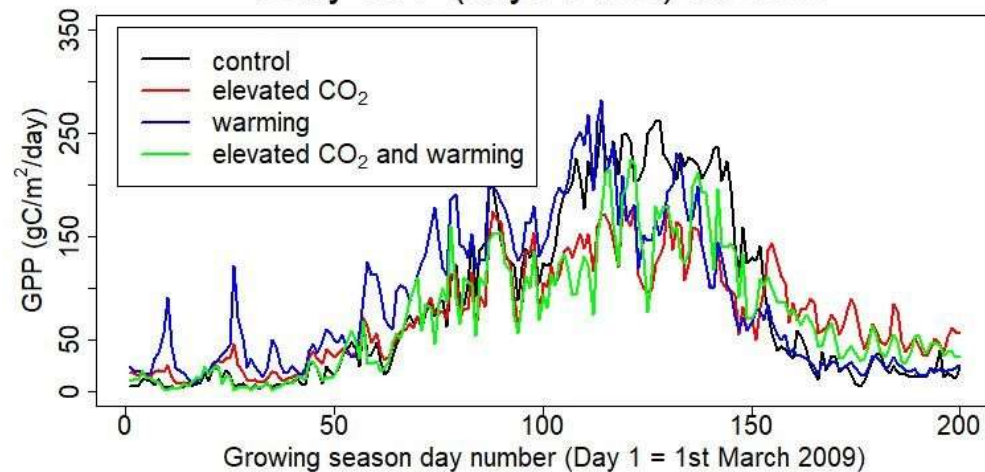
<https://datatricks.co.uk/creating-maps-in-r-2019>



Task 1 – create the following plot:

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

Daily GPP (days 1-200) for 2009



Annual GPP under elevated CO_2 for all years

