rbtl - Research Beyond the Lab

Version control and more tools

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Today

- 1. Assignment grading and conversion
- 2. What is Version Control?
- 3. RStudio Cloud & RStudio IDE

Assignments & Grades

Due dates: Assignments 1, 2, and 3

Full points for assignment 1, 2, and 3 if submitted by:

15th March

Submission complete? Full points?

• If you haven't heard from me by Wednesday, then you have successfully submitted your assignment.

Grade conversion

grade	points
6.00	100
5.75	95
5.50	90
5.25	85
5.00	80
4.75	75
4.50	70
4.25	60
4.00	50
3.50	40
3.00	30
2.50	20
2.00	10
1.00	0

Grading scheme and conversion details in syllabus on course website

What is Version Control?

Version Control

A way to share files with others, so they can:

- download
- re-use
- contribute

You can view the history of files, and jump back in time to any point.

Why is it useful?

Git and GitHub



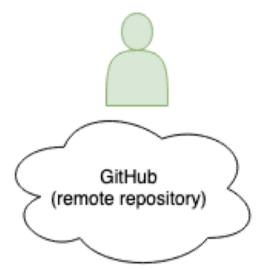
- Git is a software for version control
- Released in 2005
- Popular among programmers collaboratively developing code
- Tracks changes in a set of files (directory/folder/repository)

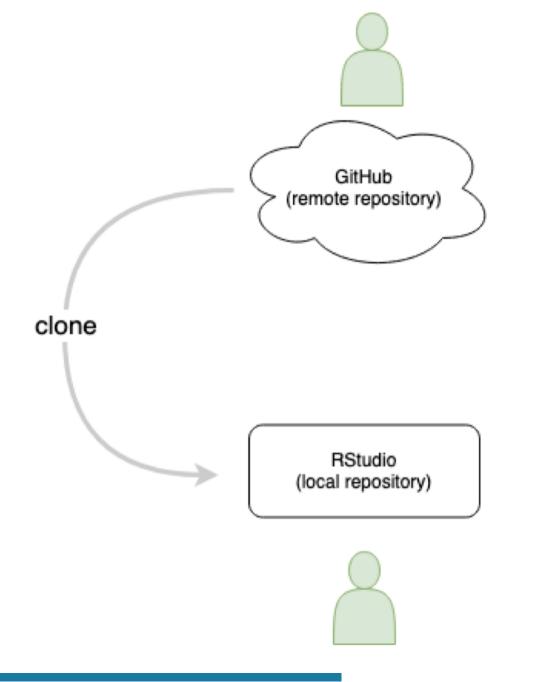


- GitHub is a hosting platform for version control using Git
- Launched in 2008, aquired by Microsoft in in 2018, Microsoft for US\$ 7.5 billion
- 73 million Users (February, 2022)
- Facebook for Software Developers

Homework Assignment 2

Version Control - Terminology









Create README.md

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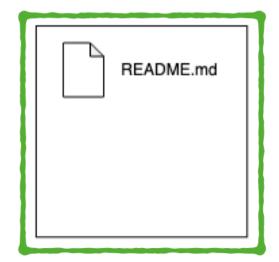






Create README.md

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Repo(sitory)

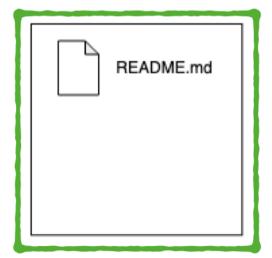
Commit message



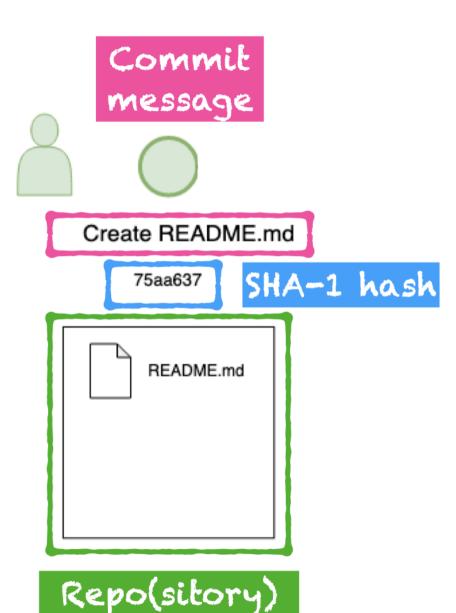


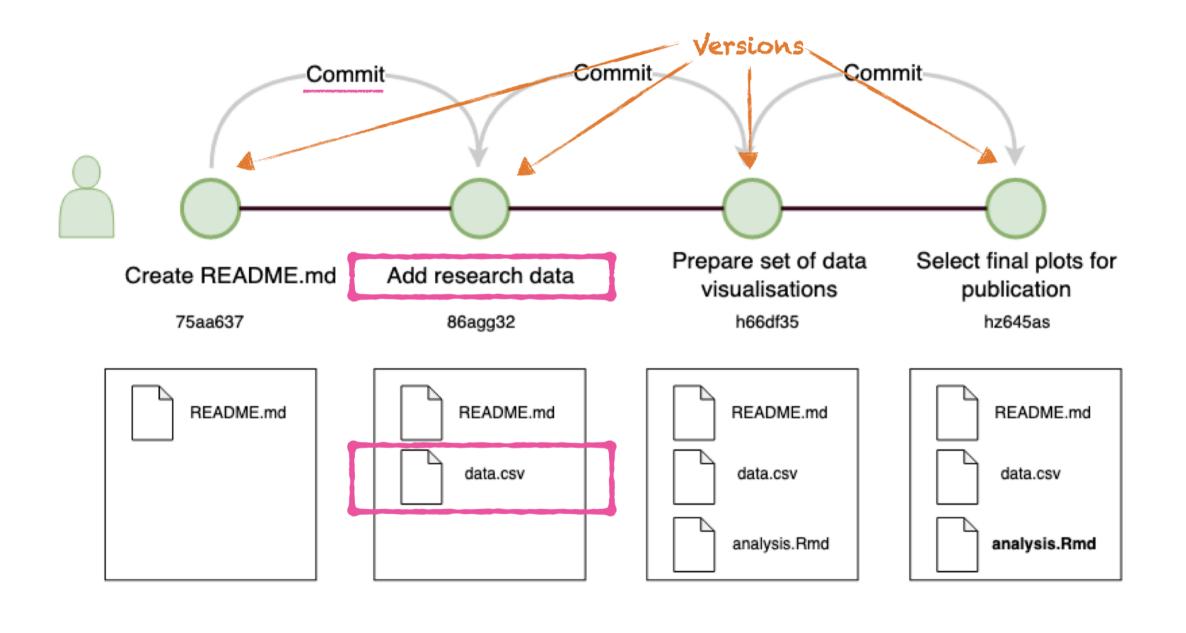
Create README.md

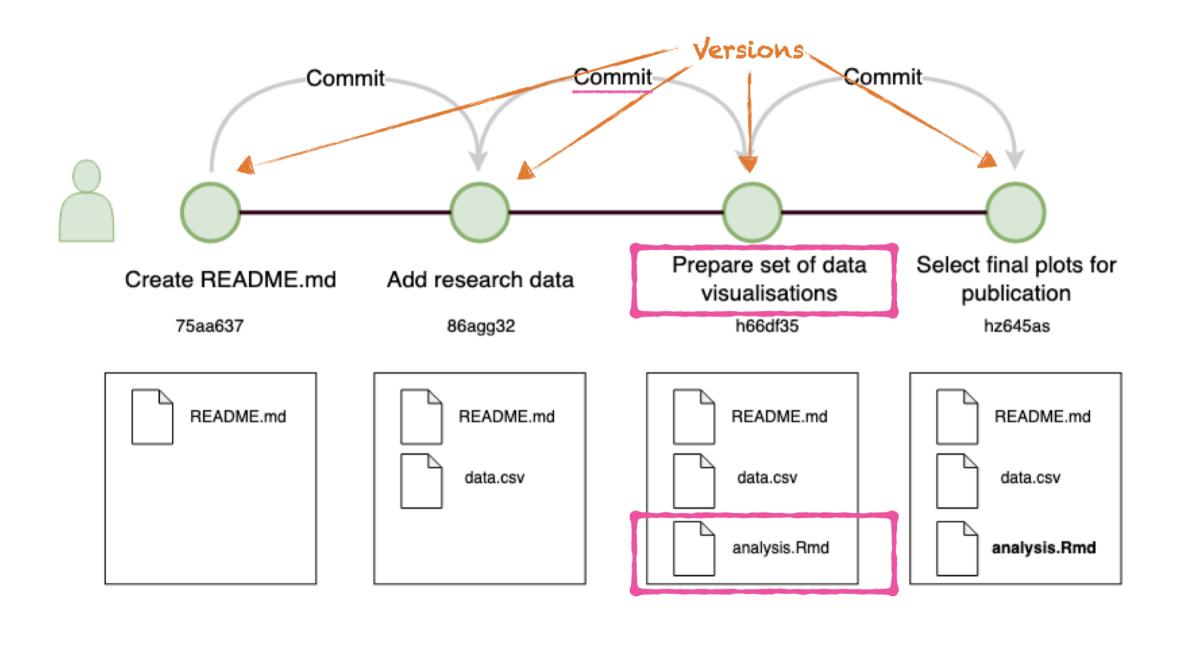
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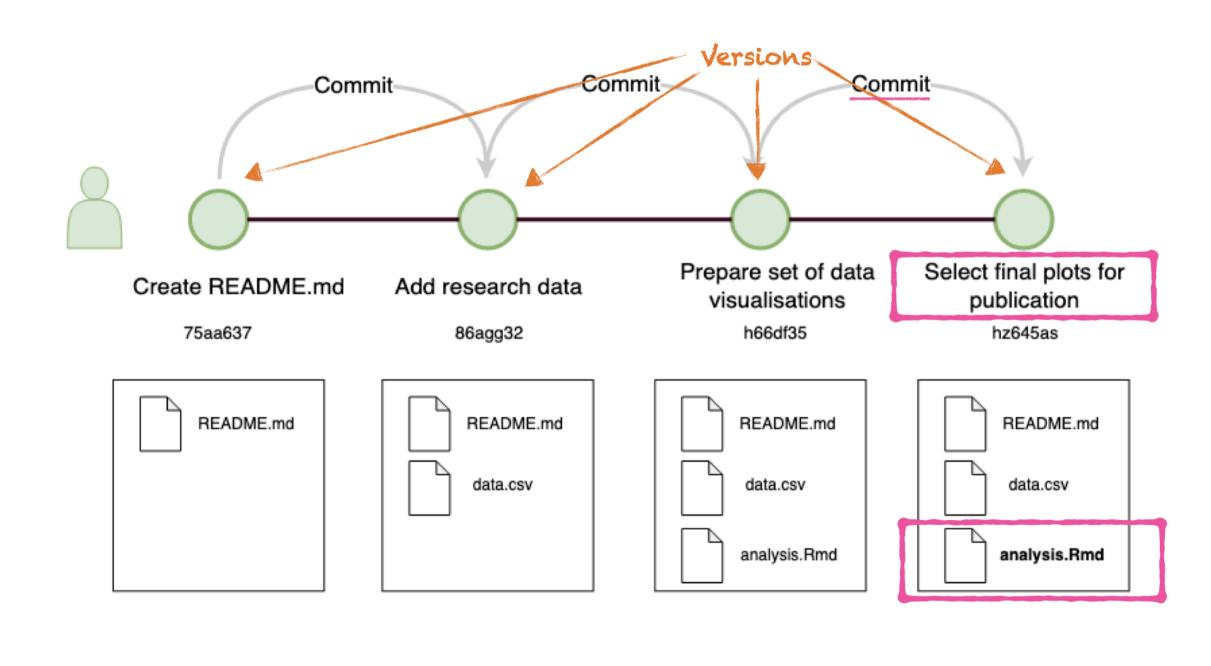


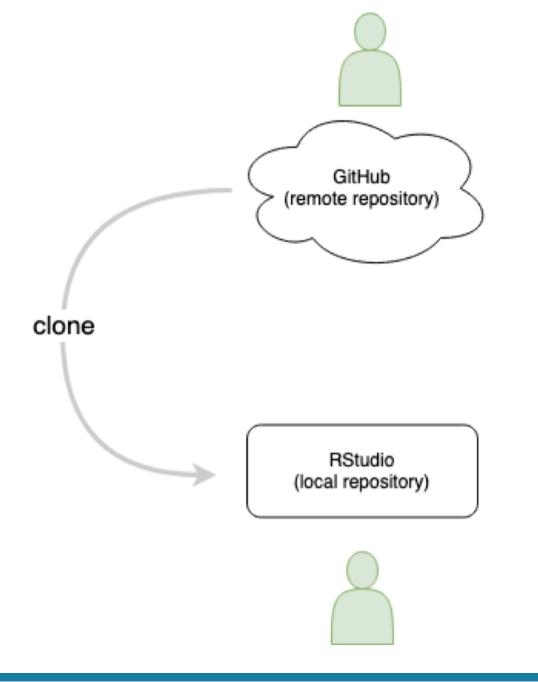
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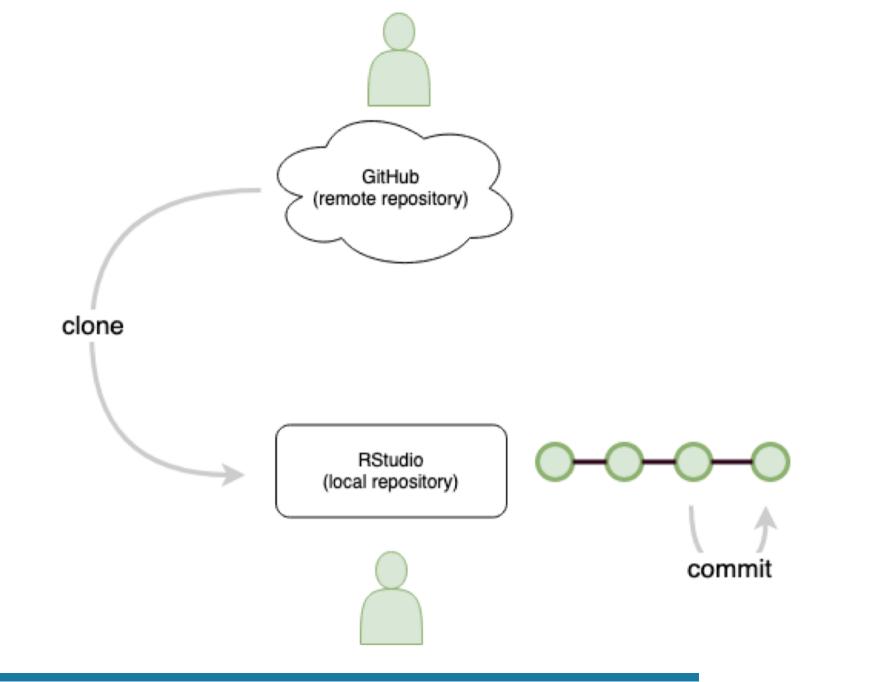


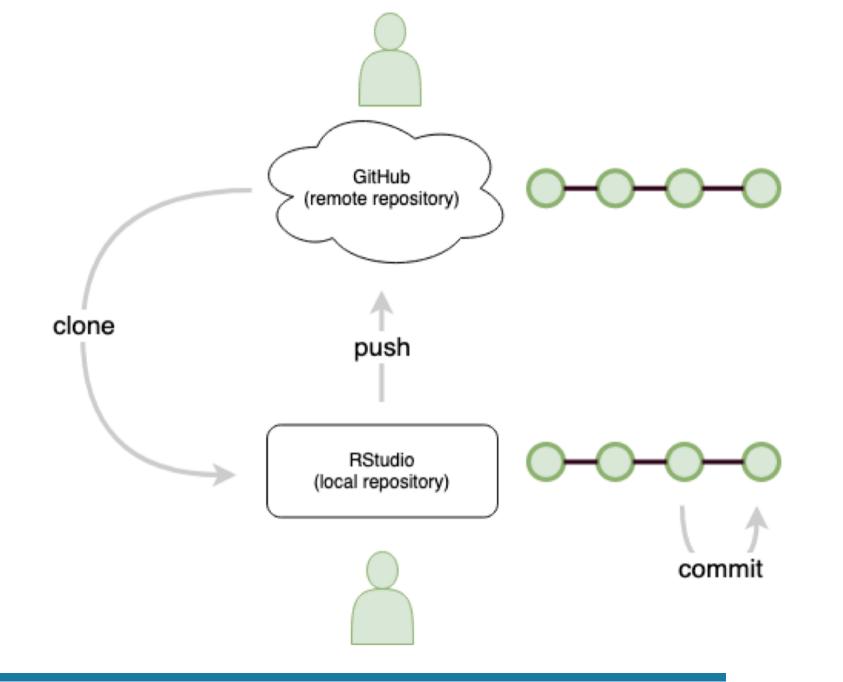






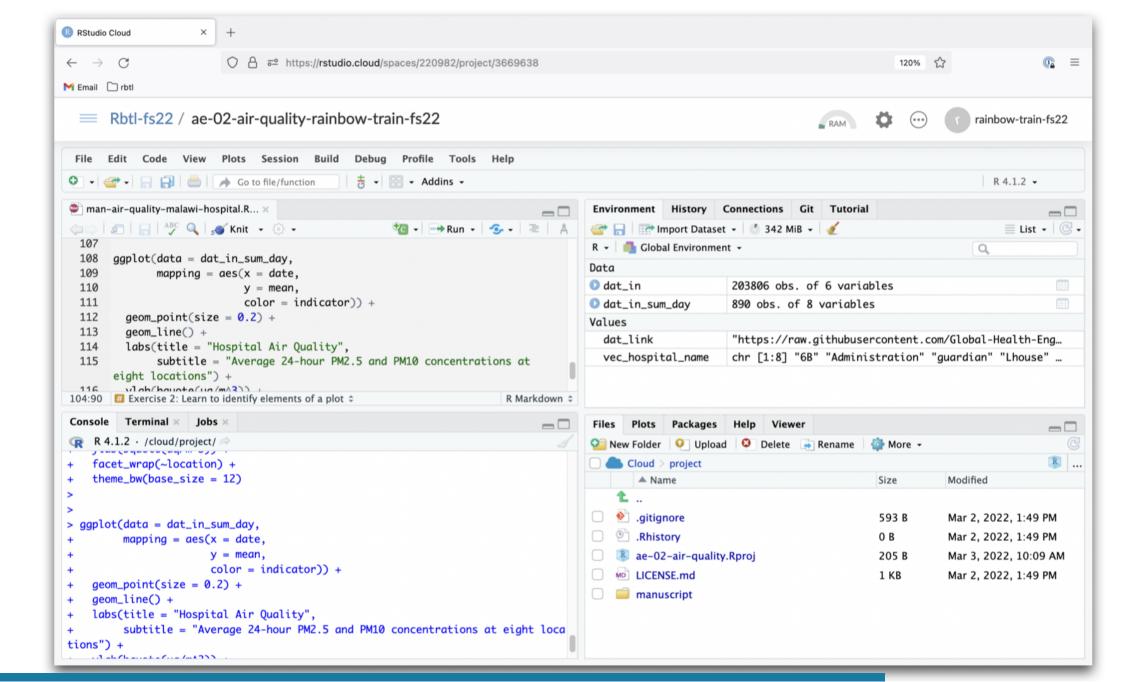


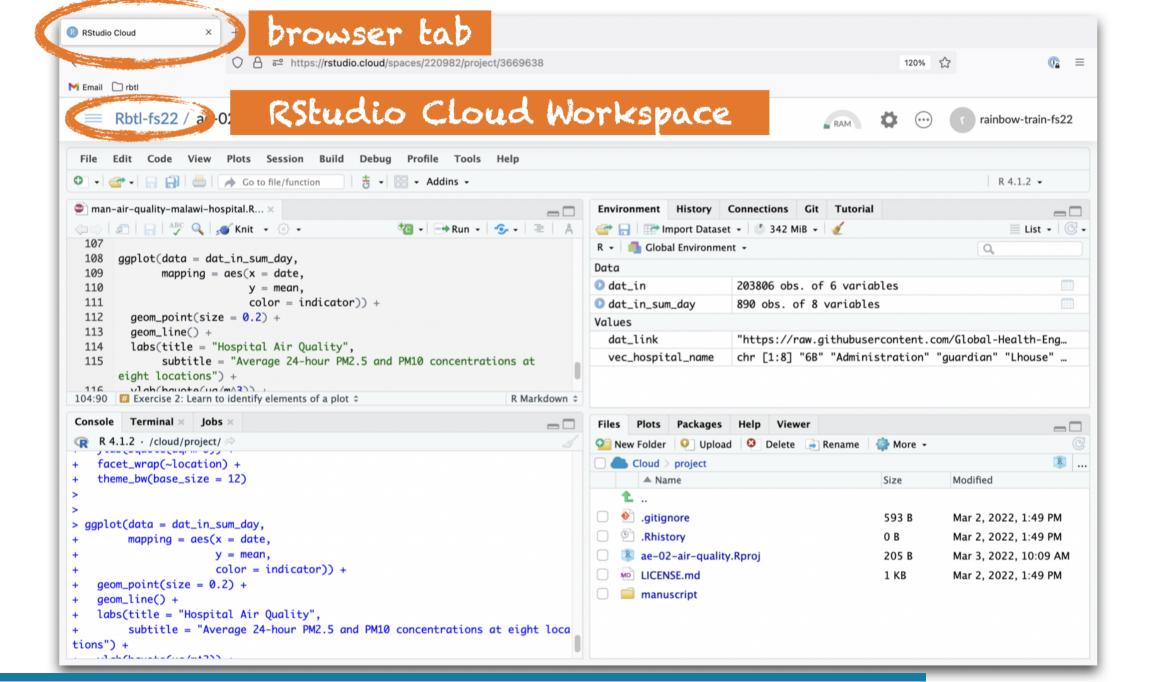


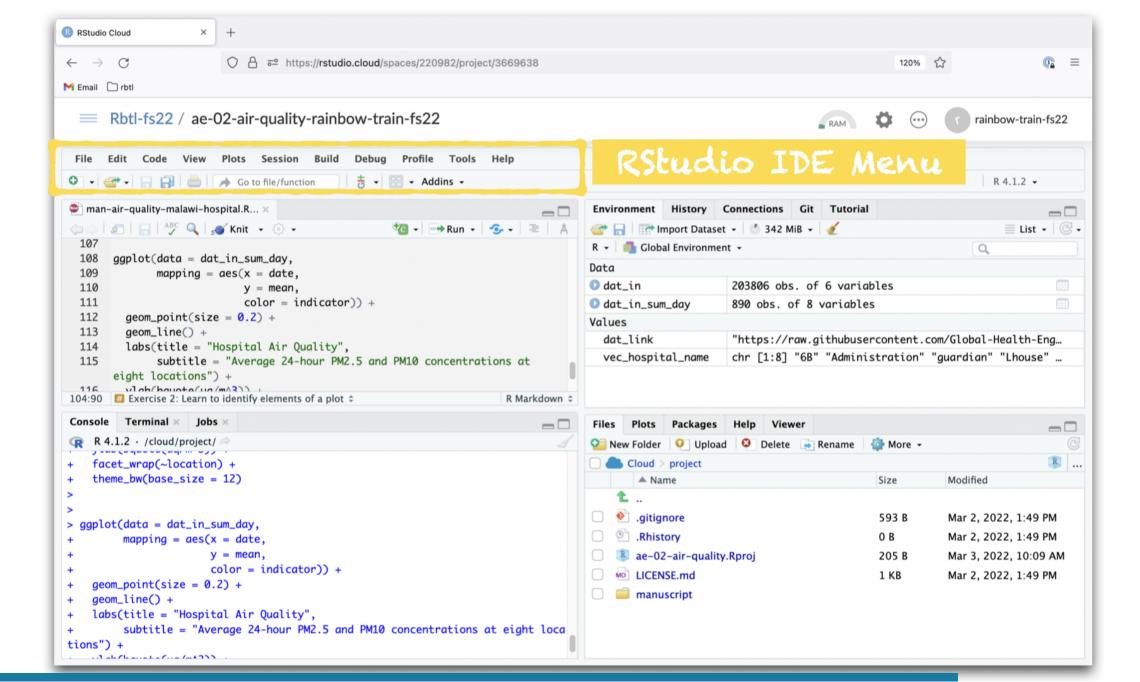


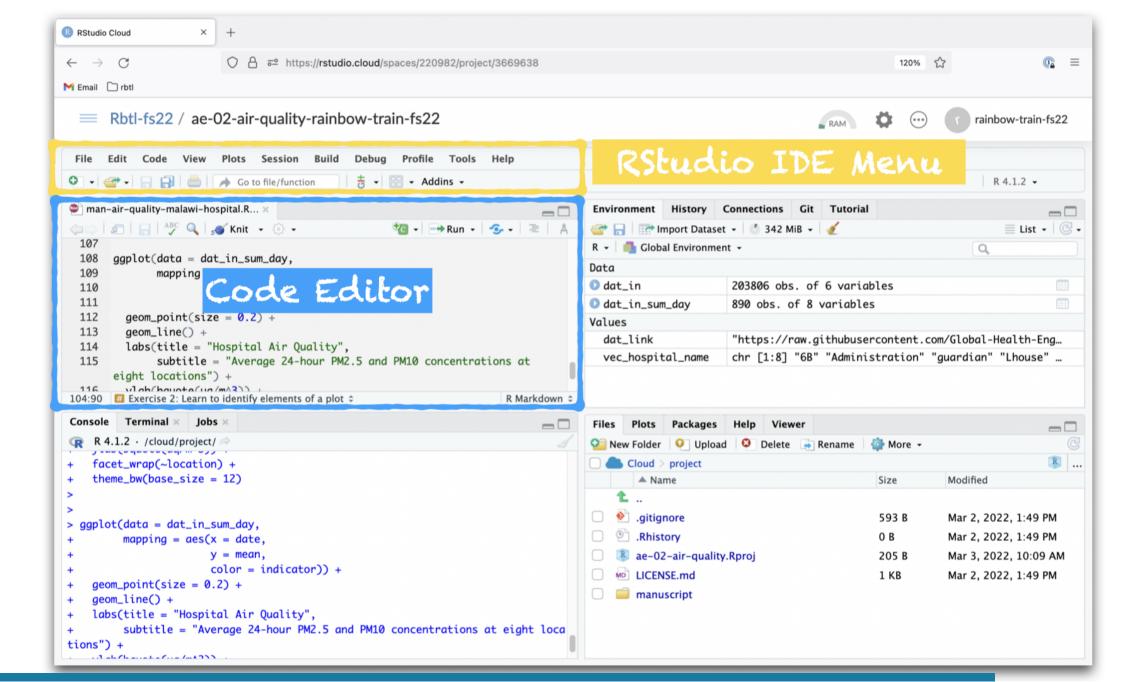
RStudio

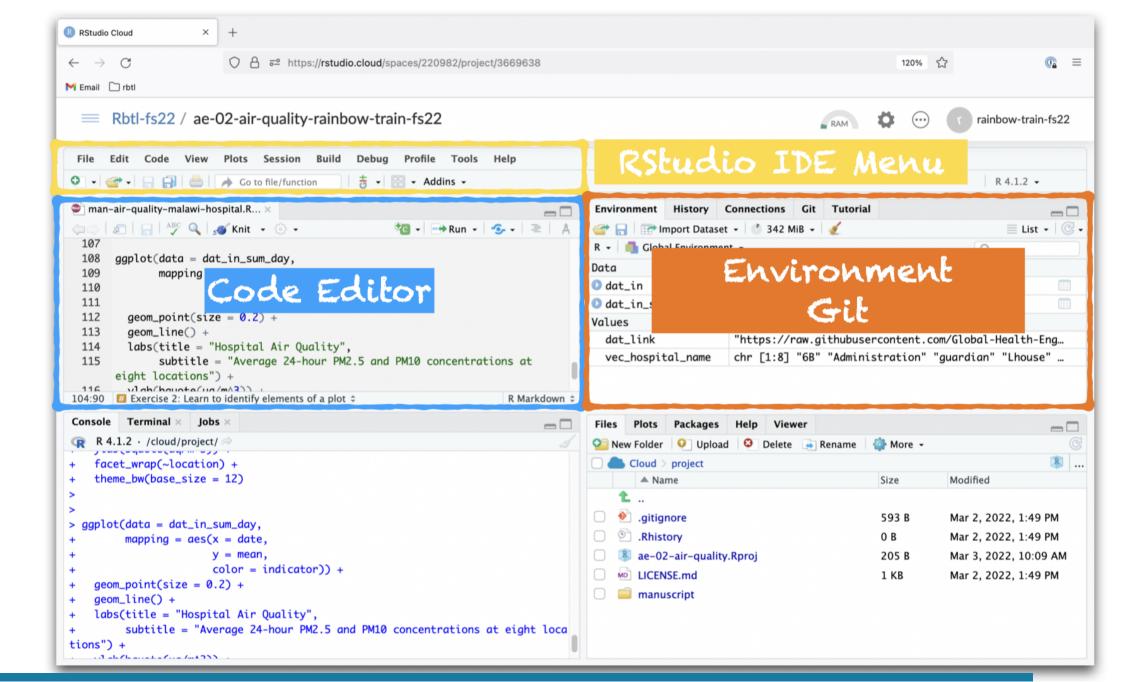
RStudio Cloud & RStudio IDE

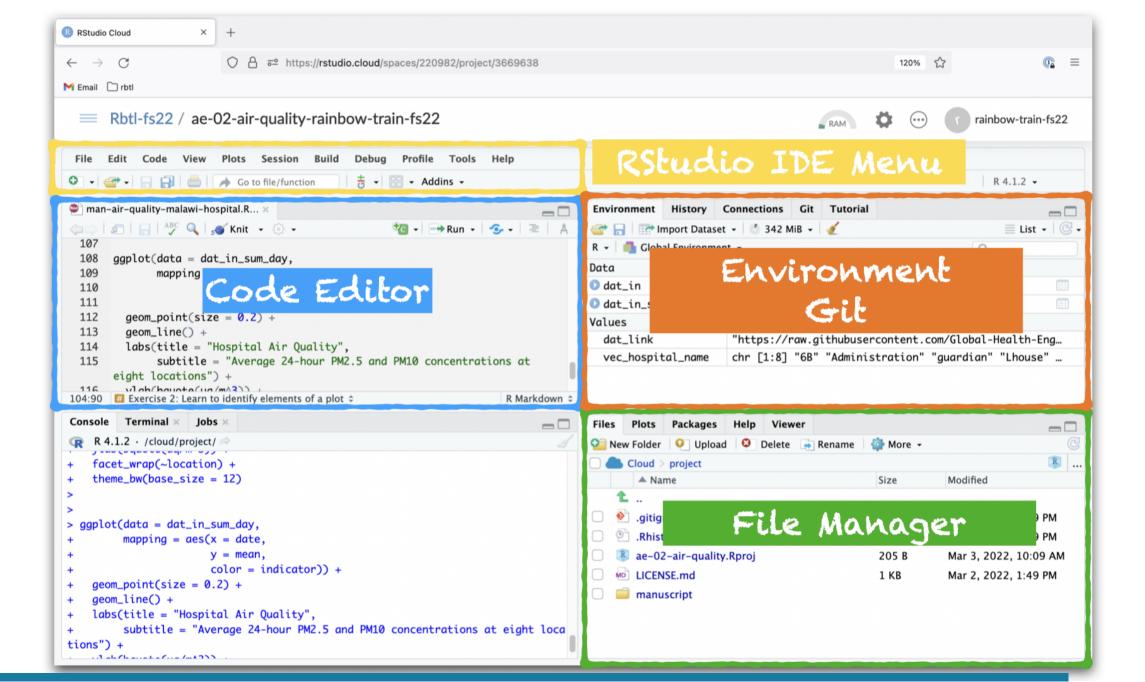


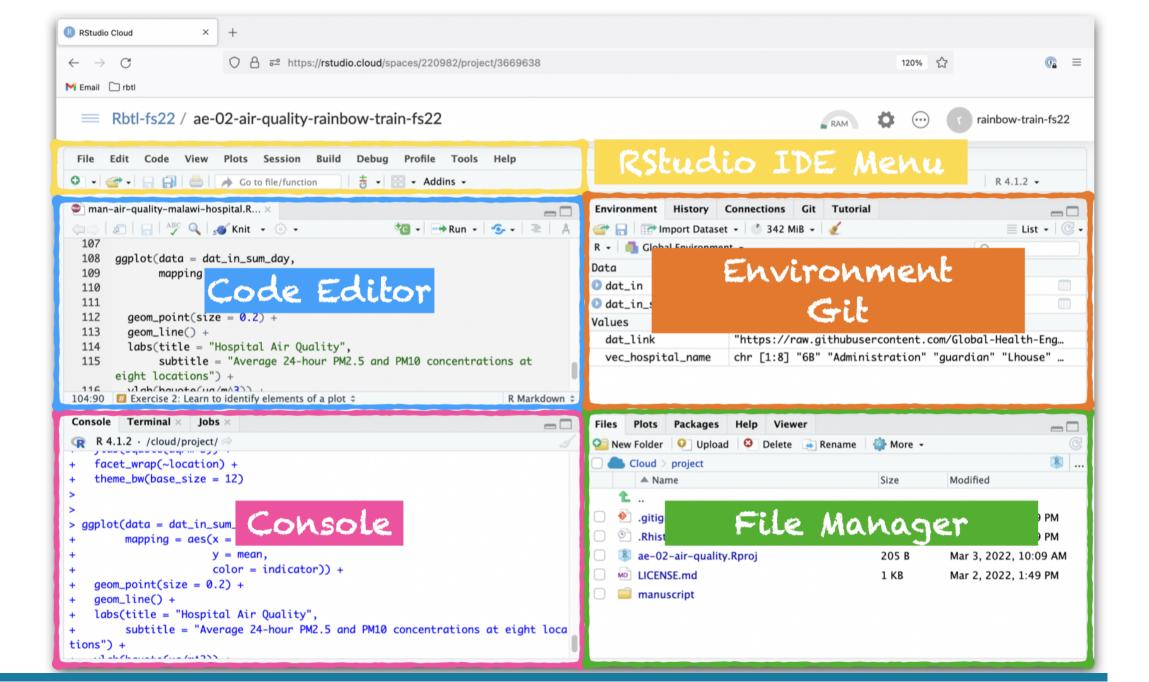
















Slides created via the R packages:

xaringan

gadenbuie/xaringanthemer

The chakra comes from remark.js, knitr, and R Markdown.

Access slides as PDF on GitHub

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