Reproducible science: Module 8

R Git and Github: The trio

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Acknowledgements

The content of this module are based on materials from:

Rob Schick's materials

Hard way of doing things is Git Bash

- Why shall we bother doing it hard? Simple because if ever R Studio fails, you know an alternative. The second reason is in presence of conflict you might have only one option of doing it by hand.

- I agree that the integration of R git and Github is powerful

Requirements to link Git and Github

- Set the same email for both Git and Github

- Set the same username (ideally) for both Git and Github

- Make sure you configure R Studio to open Git Bash

- Make sure you connect your computer/R Studio with Github Doing so will not only allow communication between Git and Github but also to allow clicking to automate actions in R studion
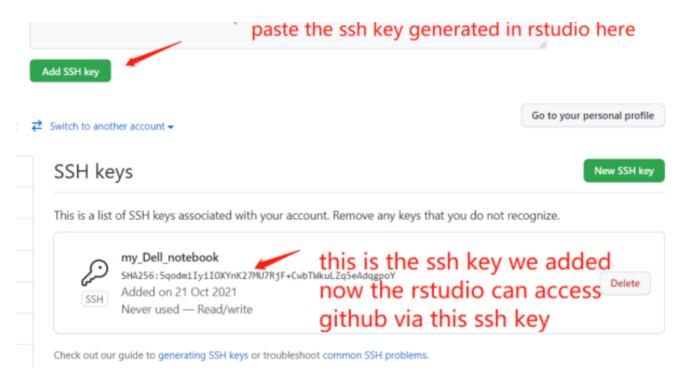
How to link your computer to your github **securely**

You need to set an SSH Key.

Please follow instructions below.

Setting up git in R Studio

Few basic git commands

How to create SSH key in R studio step 1

How to create SSH key in R studio step 2

How to create SSH key in R studio step 3

How to create SSH key in R studio step 4

paste the ssh key generated in rstudio here

Add SSH key

⇄ Switch to another account ▾

Go to your personal profile

SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

🔑 my_Dell_notebook
SHA256:5qodmiIyiI0XYnK27MU7RjF+CwbTWkuLZq5eAdqgpoY
SSH Added on 21 Oct 2021
Never used — Read/write

Delete

this is the ssh key we added
now the rstudio can access
github via this ssh key

Check out our guide to generating SSH keys or troubleshoot common SSH problems.

step 4 creat a new repository in your github account and get its ssh link

How to create a new repository on github

How to clone the repository in R studio

How R studio looks like repo is cloned

Thank you for listening!

Any questions now or email me at **dossa@xtbg.org.cn**

Slides created via the R package **xaringan**.

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