

African Population conference (APC) pre-conference workshop

Exploring and Analyzing Satellite and Gridded Data on Climate and Population with R and Git Code Tracking

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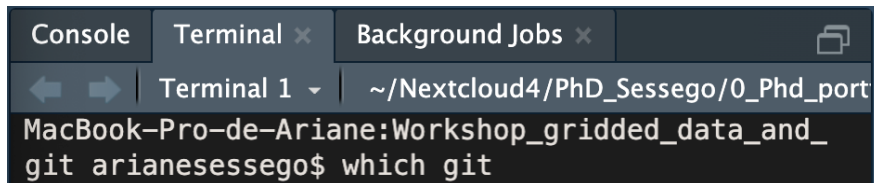
To prepare before the workshop

For the workshop to go as smoothly as possible, we kindly ask you to go through the following steps before the workshop (a few days in advance will help you make sure you have time to solve any problem) :

- **Download Git**

- You should first check if it is not already installed on your computer. To do so, go into RStudio and open the terminal, to type the command “which git”

As shown here:



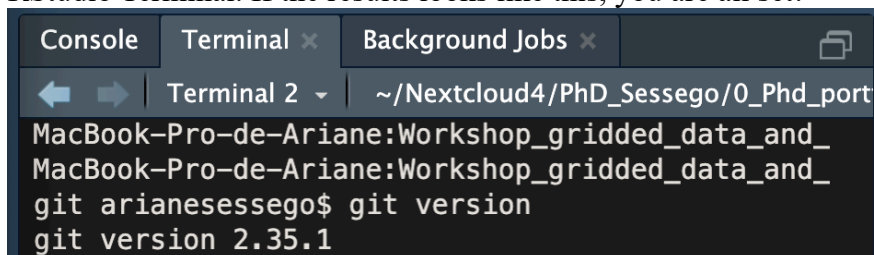
```
Console Terminal x Background Jobs x
Terminal 1 ~ /Nextcloud4/PhD_Sessego/0_PhD_port
MacBook-Pro-de-Ariane:Workshop_gridded_data_and_
git arianesessego$ which git
```

If the results looks like this:

```
/usr/local/bin/git
```

Git is already installed on your computer, so you're all set!

- If not, go on the following link to download it: <https://git-scm.com/downloads>
Choose the operating system you are on (Windows, MacOS, Linux) and follow the instructions – I recommend to use the default configurations if asked.
- You can finally verify if it was installed correctly by writing “git version” in your RStudio Terminal. If the results looks like this, you are all set!



```
Console Terminal x Background Jobs x
Terminal 2 ~ /Nextcloud4/PhD_Sessego/0_PhD_port
MacBook-Pro-de-Ariane:Workshop_gridded_data_and_
MacBook-Pro-de-Ariane:Workshop_gridded_data_and_
git arianesessego$ git version
git version 2.35.1
```

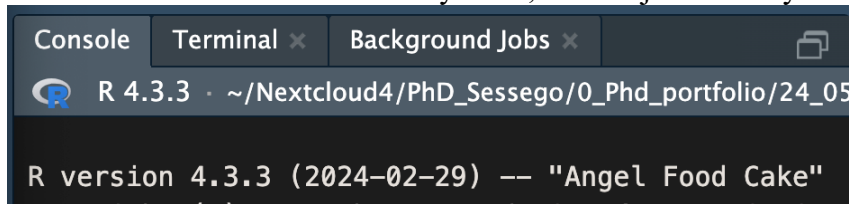
- **Set up a free GitHub account** – at <https://github.com/>

You'll have to choose a username and password, we recommend incorporating your actual name and a permanent professional email address as you will probably use the account in a professional setting.

If you already have one, perfect, no need to create a new one!

- **Finally, make sure you have downloaded/updated to the latest version of R and RStudio**

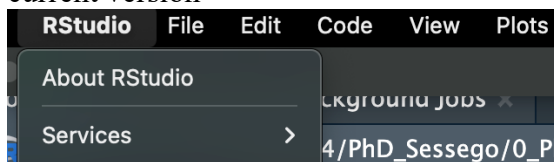
- First check the current version of your R, written just below your Console in RStudio



The screenshot shows the RStudio interface with the Console pane active. The title bar indicates 'R 4.3.3 · ~/Nextcloud4/PhD_Sessego/0_PhD_portfolio/24_05'. The console output displays 'R version 4.3.3 (2024-02-29) -- "Angel Food Cake"'. The background is dark, and the text is white.

Compare it to the latest version available here: <https://www.r-project.org/>, and if necessary install the new version

- Do the same for RStudio: if you go in RStudio > About RStudio, it will display your current version



You can compare it with the latest available on <https://posit.co/download/rstudio-desktop/>

Don't hesitate to contact us if you run into any problem, and we'll try our best to help you fix it!

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