METHODS 2
CLASSROOM 1

8 FEBRUARY 2023
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STUDENT

THE PLAN FOR TODAY

Short introduction of me

Git and how it will be integrated in exercises and assignments

Exercises for today

INSTRUCTOR

I have a background in AI and Data Science Engineering from DTU

- I haven't had this course
- I have more experience with Python than R
- I have had extensive math and stat courses during my bachelor

I am here to help you with your exercises and explain concepts that may confuse you ☺

I will keep these presentations short

Don't hesitate to ask – I will try my best to help

GIT – BASIC PRACTICES

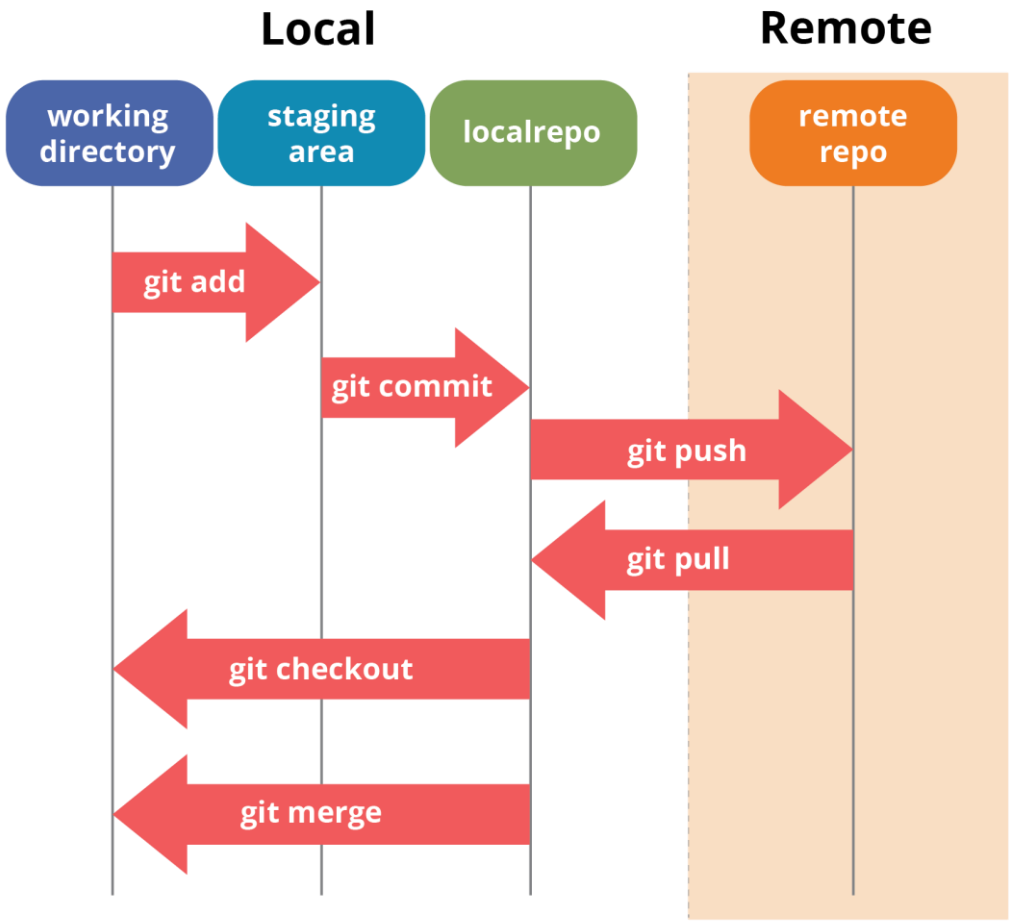
All exercises and your portfolio assignments are integrated with GIT Classrooms

GIT is a great way of sharing code and collaborate on development

It is the number one tool for version control and is used in all software development teams

Somewhat steep learning curve, but it will be worth it when you do bigger projects

GIT – BASIC PRACTICES



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GIT – BASIC PRACTICES

Cloning / Forking

```
## go to the path where you want to clone YOUR fork
git clone <url_to_your_repository>
```

Pushing local changes to remote

```
cd <your_local_directory> # the folder you cloned your repository into
git status ## check which files differ
git add <name_of_your_solution_file.Rmd> # add files to what you will later commit
git commit -m "<your message>" # commit all the files you have added above
git push origin main ## push the commited changes to your origin (your remote location)
```

Pull or sync fork + pull

```
git pull upstream main ## call this from your local copy to pull my latest changes ...
```

EXERCISES

Try to git clone the repository for a template to this weeks exercises:
https://classroom.github.com/a/xadTUGpu

The exercises are: 1.2, 1.5, 2.3 and 2.7 (b)

Try to push your work to your repository for the exercises

If you finish early: Try to optimize your solution to 1.2 – Could you for instance make a function that can sample the data and generate the plots?

I will share my solutions on GIT after the today

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