

Markov chains and Markov models

Software lab introduction
Christoph Wehmeyer

Goals for the semester

- How to implement MCMM algorithms
- How to develop software as a team
- How to use CI, TDD, ...
- How to build a distributable package
- How to apply your software to an unknown problem

Goals for today

- Organise in teams
- Choose one speaker per team
- Create github accounts
- Get the project template
- Familiarise with the concept

Step 1: Teams

- 3–5 students per team
- Choose a speaker

Step 2: github.com

- Version control system (git)
- Issue tracking and other fancy features
- Easy to organise team-based development
- Monitors individual contributions

Step 2.1: fork the template repository

markovmodel / mmmm-project

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Wiki Pulse Graphs Settings

No description or website provided. — Edit

6 commits 1 branch 0 releases 1 contributor

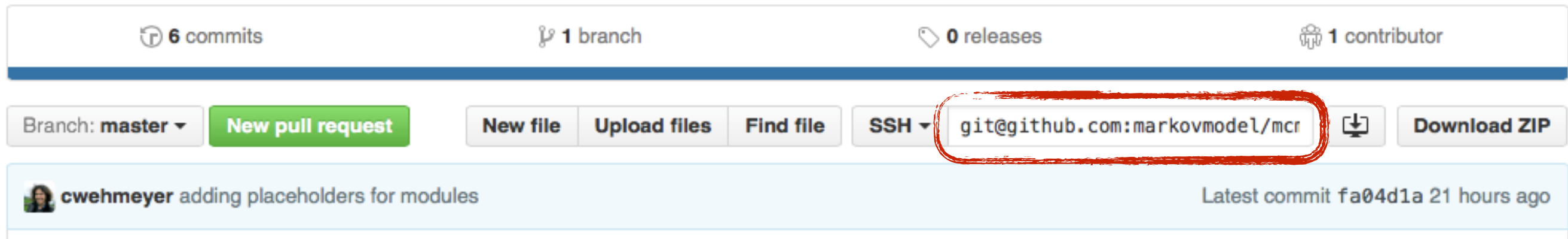
Branch: master New pull request New file Upload files Find file SSH git@github.com:markovmodel/mcr Download ZIP

cwehmeyer adding placeholders for modules Latest commit fa04d1a 21 hours ago

mmmm	adding placeholders for modules	21 hours ago
test	adding unit test for example generator	21 hours ago
.gitignore	Initial commit	23 hours ago
README.md	extending README	21 hours ago
setup.py	adding setup	21 hours ago

README.md

Step 2.1: fork the template repository



use your own repo address here

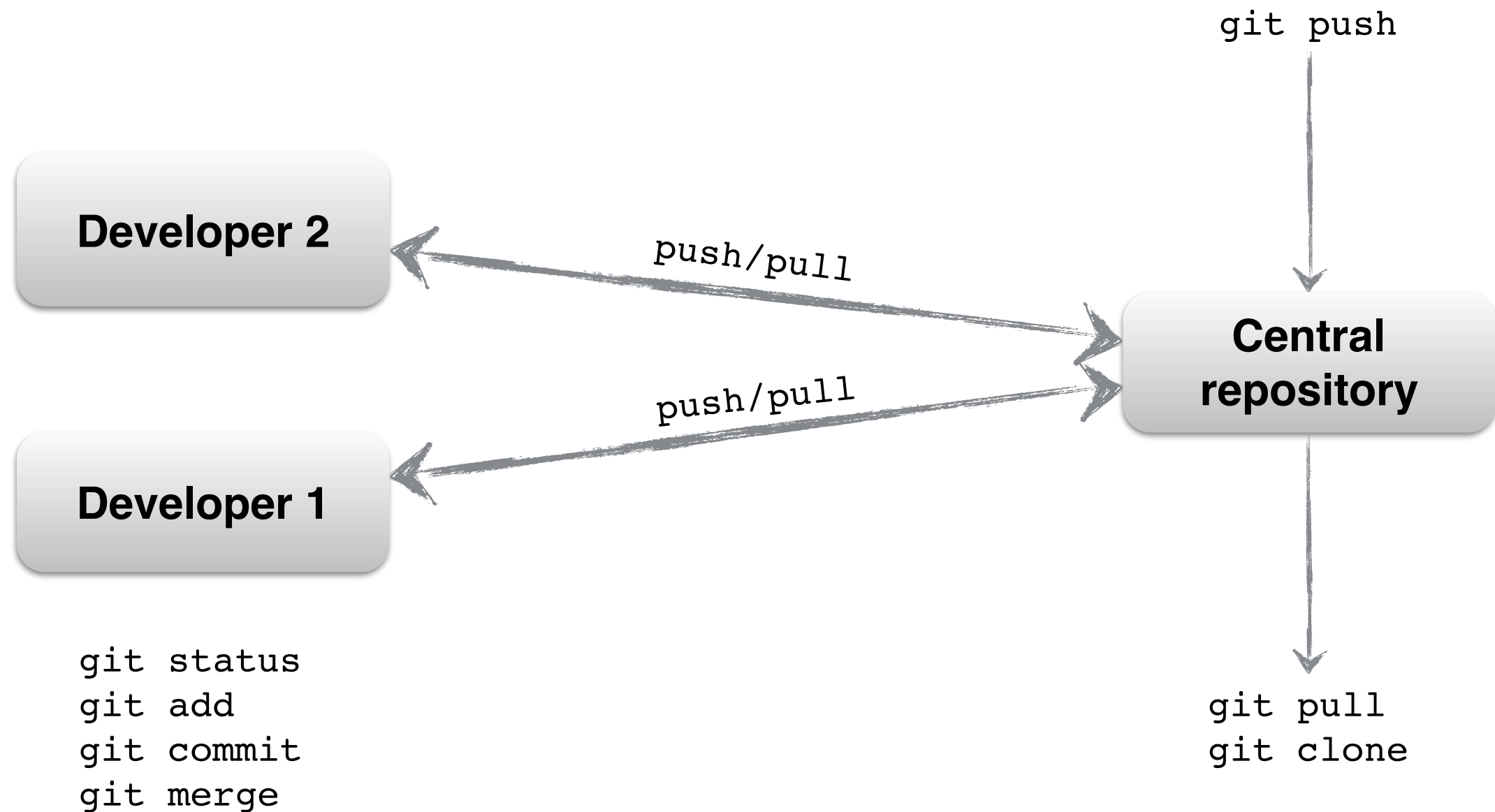
```
git clone git@github.com:markovmodel/mcmm-project.git
```

```
cd mcmm-project
```

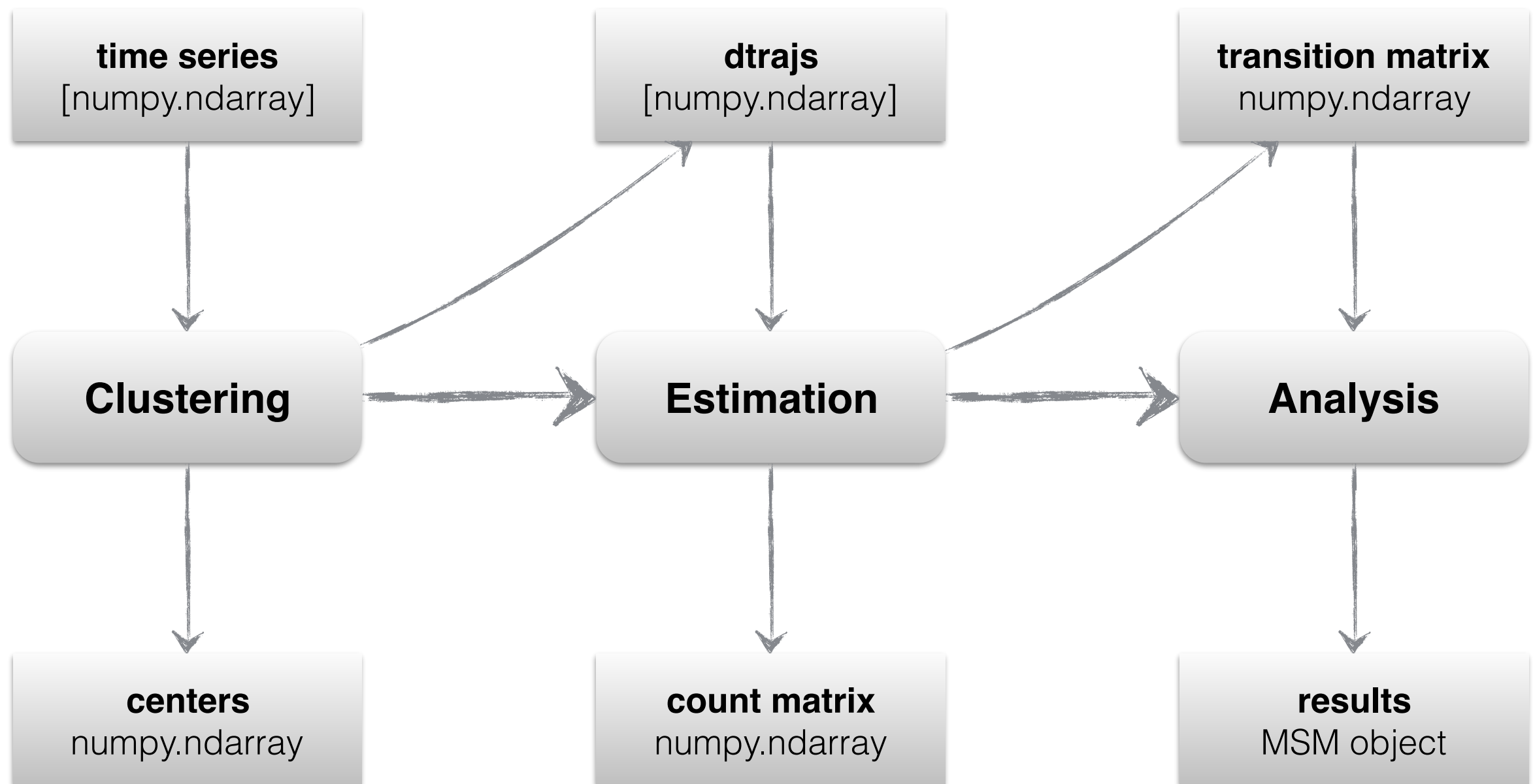
```
git remote add source git@github.com:markovmodel/mcmm-project.git
```

```
git remote -v
```

Step 3: familiarise yourself with git



Step 3: familiarise yourself with the project



Next week(s)

- Short tutorials on development techniques and tools
- Coaching and defining expectations (my job)
- Short progress presentations (your job)
- Team and project organisation (your responsibility)