

José Manuel Monroy Kuhn

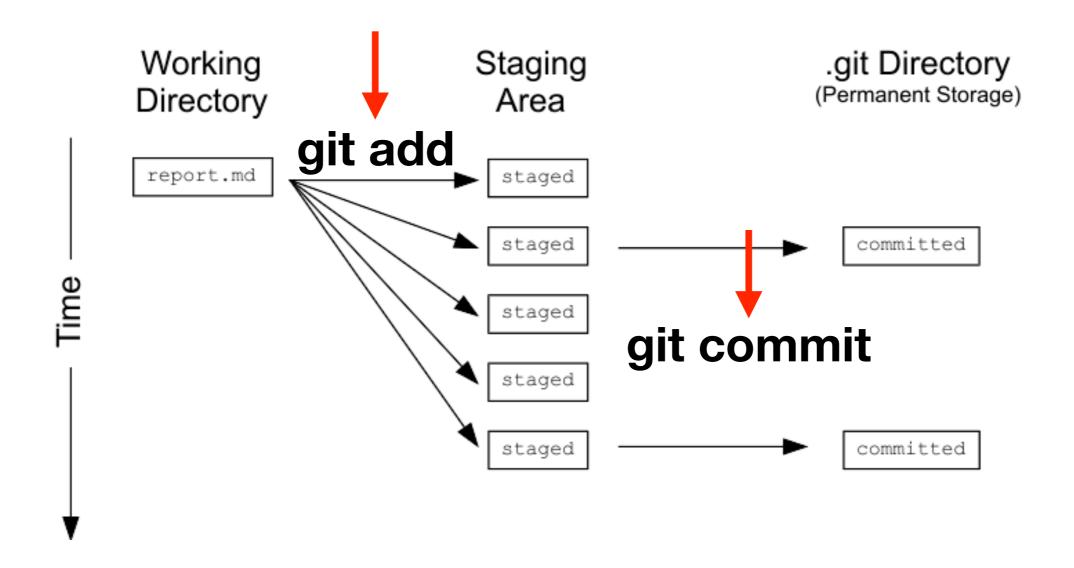


#### What is version control?

 A version control system is a tool that manages changes made to the files and directories in a project.

#### **Basic commands**

## git init name-repository git init path/existingFolder/



## git add

- git add FileName.txt
- git add ./path/to/FileName.txt
- git reset HEAD

## git commit

- git commit -m "Program appears to have become self-aware."
- git commit --ammend -m "Program is self aware and became hostile"
- git commit

### git log

#### git log

commit 6a98033803436d8f264608575ab44e06953cfb7b (HEAD -> ConI\_BiweightMidCorrelations, master)

Author: ManuelMK <nolozz@gmail.com>
Date: Fri Oct 16 10:52:20 2020 +0200

I did some changes to the functions. As of now I will keep better track of the changes

commit c3c22dcad0d86b8880efca9cbc1d1f9de3628776

Author: ManuelMK <nolozz@gmail.com>
Date: Fri Jul 17 11:39:59 2020 +0200

I added a progress bar. Changed the name of one function (tableLRDFs\_LFs) using Driver and Linked Features. Changed the split option, but still needs to be tested.

commit 2a867f25e16ce454fa03fa254d60fdc23d146a2e

Author: ManuelMK <nolozz@gmail.com>
Date: Tue Jul 14 14:40:34 2020 +0200

Expanded to include new Steiger Approaches

## git status

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## git checkout/ git reset

- git checkout -- filename (for unstaged files, changes are gone forever)
- git checkout 5be6 data/File.txt
- git checkout HEAD -- Directory
- git reset HEAD path/to/Skynet.txt (for staged files, resets to last version)
- git reset Directory (unstage everything of directory)

## git branch

- git branch NewNameBranch
- git checkout NewNameBranch
- git checkout -b NewNameBranch
- git merge source destination

## git diff

- git diff File.txt
- git diff BranchA..BranchB

# How can I create a copy of an existing repository?

- git clone URL
- git clone /existing/Project
- git clone /existing/Project NewProjectName
- git remote (track origin)
- git pull remote-name branch-name (git pull origin master)
- git push remote-name branch-name