

VCS and VCS Platforms

- CAS AI for Creative Practices - Module 6

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Session Content

Input - 15 min

- Why Version Control Systems ?
- Source code hosting facilities versus local
- Best Practices for Documentation

Tutorial - 60 min

- Create your own GitHub repository for the CAS and the Final Project

Why Version Control Systems ?

- History, versions and roll back
- Release management
- Collaboration (different people working on the same digital artifact, normally programming code)

It is about ethical and sustainable working behaviour. The most used VCS is Git (was written for the development and maintenance of the Linux operating system).

Why VCS on a hosting platform ?

Reasons

- Graphical User Interface (GUI)
- Nothing to install and maintain (for the users)
- Extended user management
- Eased sharing
- Documentation tools (Readme, Wiki, webpage ...)
- Webpages
- Licence handling
- etc

Most used platforms

- GitHub and GitLab

Best Practices for Documentation

Levels

- The code (also with notebooks)
- Good variable and method/function names
- Inline comments (in, out, what it does)
- Readme files
- Wiki pages
- Static web pages (automatically generated)
- Manuals (pdf)
- Books

The needed documentation level depends on your project

Tutorial

Make your own GitHub repository for this CAS and the final project !

- Go to <https://github.com/> and do on your own laptop what I do on the screen
- Create an account or sign in
- Create a new repo, get inspiration from this <https://github.com/CommitmentIssues418/CAS-in-applied-Data-Science>
- Adapt the repo and fill it with CAS material
- Create a webpage with github pages
- Link to your repo on the foreseen Ilias folder under the Final Project “Module”