

Git for research

Arthur Pons

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"FINAL".doc



FINAL.doc!



FINAL_rev.2.doc



FINAL_rev.6.COMMENTS.doc



FINAL_rev.8.comments5.
CORRECTIONS.doc



FINAL_rev.18.comments7.
corrections9.MORE.30.doc



FINAL_rev.22.comments49.
corrections.10.#@\$%WHYDID
ICOMETOGRADSCHOOL?????.doc



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Don't really know what you are doing

Want to be able to go revert to a previous version

Want to know where you were after one week break

Share your work with other

CVS, Subversion, Bazaar, Mercurial

git

Control version
software



Source code
forges



GitHub

sourcehut

Services

github.com
git.unistra.fr
framagit.org
gitlab.huma-num.fr

Good for

Work with text

Source code
software
websites
random scripts

Natural language texts
the law
scientific papers

Arbitrary text data

<https://github.com/mittagessen/kraken>
<https://git.unistra.fr/methal/methal.pages.unistra.fr>
<https://git.unistra.fr/odukhno/UMR7021-useful-scripts>

<https://github.com/steeve/france.code-civil>
https://github.com/PhDP/article_preprint

<https://gitlab.unistra.fr/arthur.pons/brezouarddata>

Bad (or less good) for

Storing large amount of research data
that won't be modified/historicized

Storing binary data – less efficient storage

Ram, K. Git can facilitate greater reproducibility and increased transparency in science. Source Code Biol Med 8, 7 (2013). <https://doi.org/10.1186/1751-0473-8-7>

<https://scfbm.biomedcentral.com/articles/10.1186/1751-0473-8-7>

To go further

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Workshop every tuesday afternoon
2 to 7pm
Lab Numérique – Campus esplanade

Documentation : <https://git-scm.com/book/en/v2>