Git workflow with RStudio

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Git commands | Git setup | Git copying repositories

AUTHOR

Have you already copied the repository into a local directory?

No

Copy the repository from Git using HTTPS or SSH URLs, setup new project in RStudio

Yes

Checkout the main branch and pull any changes

```
$ git checkout main
$ git pull
```

Create a new feature branch to do your piece of work on, include your initials and the purpose of the branch in the branch name

```
$ git checkout –b <new_branch_name>
$ git push origin <new_branch_name>
```

Carry out your work, making edits or writing new code, and commit and push changes as you go – remember to write descriptive commit messages!

```
$ git add <file_name>
$ git add . (-to add all files changed)
$ git push
```

Ready for your work to be reviewed? Create a Pull Request and assign a reviewer (hopefully someone with a bit of info on the project already)

Pull requests tab > New pull request

> Reviewers: DitteA

REVIEWER

Reviewer looks over the changes on GitHub/Gitea, then runs the code in RStudio to ensure it still works in practice

Reviewer submits review, either requesting changes or giving approval

Once approved, reviewer merges the feature branch with the main branch, and delete the feature branch

AUTHOR

Once your branch has been merged, checkout the main branch and pull changes to update your local version

Is this a main version of the code? i.e. used to produce annual publication or key piece of work

Yes

Assign a tag to the merge commit and push the tag

```
$ git tag –a <tag_name> -m “<message>”
$ git push origin <tag_name>
```

No

Delete old branches in RStudio to ensure you don’t accidentally keep working on them locally

```
$ git remote prune origin
$ git branch –d <branch_name>
```