

Git Introduction Course

Project skeleton practical.

Project skeleton.

Search for the “Project skeleton”.

- *Hint:* Click the “Public area” icon and use the search option.

Follow the README to make your own analysis project.

Suppose you are going to do an RNASeq analysis. Retrieve the file “data.tgz” from the wiki¹ and populate your analysis project.

Git annex.

Check whether Git annex is installed, and install it if this is not the case.

```
$ git annex
git: 'annex' is not a git command. See 'git --help'.
$ sudo apt-get update
$ sudo apt-get install git-annex
```

First, we make an empty repository:

```
$ mkdir annex_project
$ cd annex_project
$ git init
$ git annex init "Original repository."
```

Now add a “big file” and annex it.

```
$ dd if=/dev/urandom of=bigfile.dat count=1024
$ git annex add bigfile.dat
$ git commit -m "Added big file."
```

Now, we clone the project and let this repository know where the clone is.

```
$ git clone . ../annex_clone
$ git remote add annex_clone ../annex_clone
$ cd ../annex_clone
$ git annex init "Cloned repository."
```

With the “file” command you can now see that “bigdata.dat” is not present in this repository.

```
$ git pull
$ git annex get bigfile.dat
```

You can now remove the big data file from the original repository.

```
$ cd ../annex_project
$ git annex drop bigfile.dat
```

But you can not remove it from the clone.

¹<https://humgenprojects.lumc.nl/trac/humgenprojects/wiki/git>