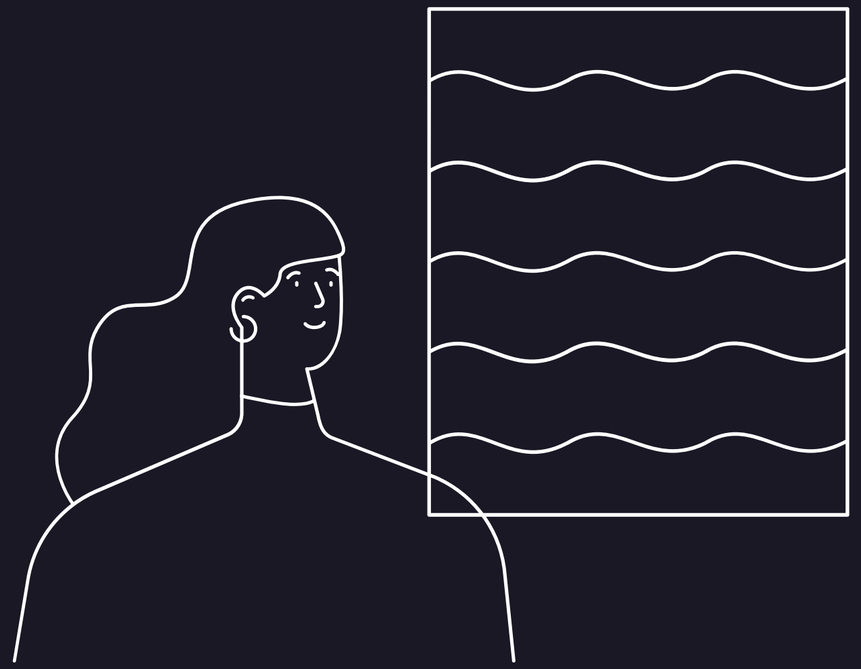
Version Control with Git and GitHub

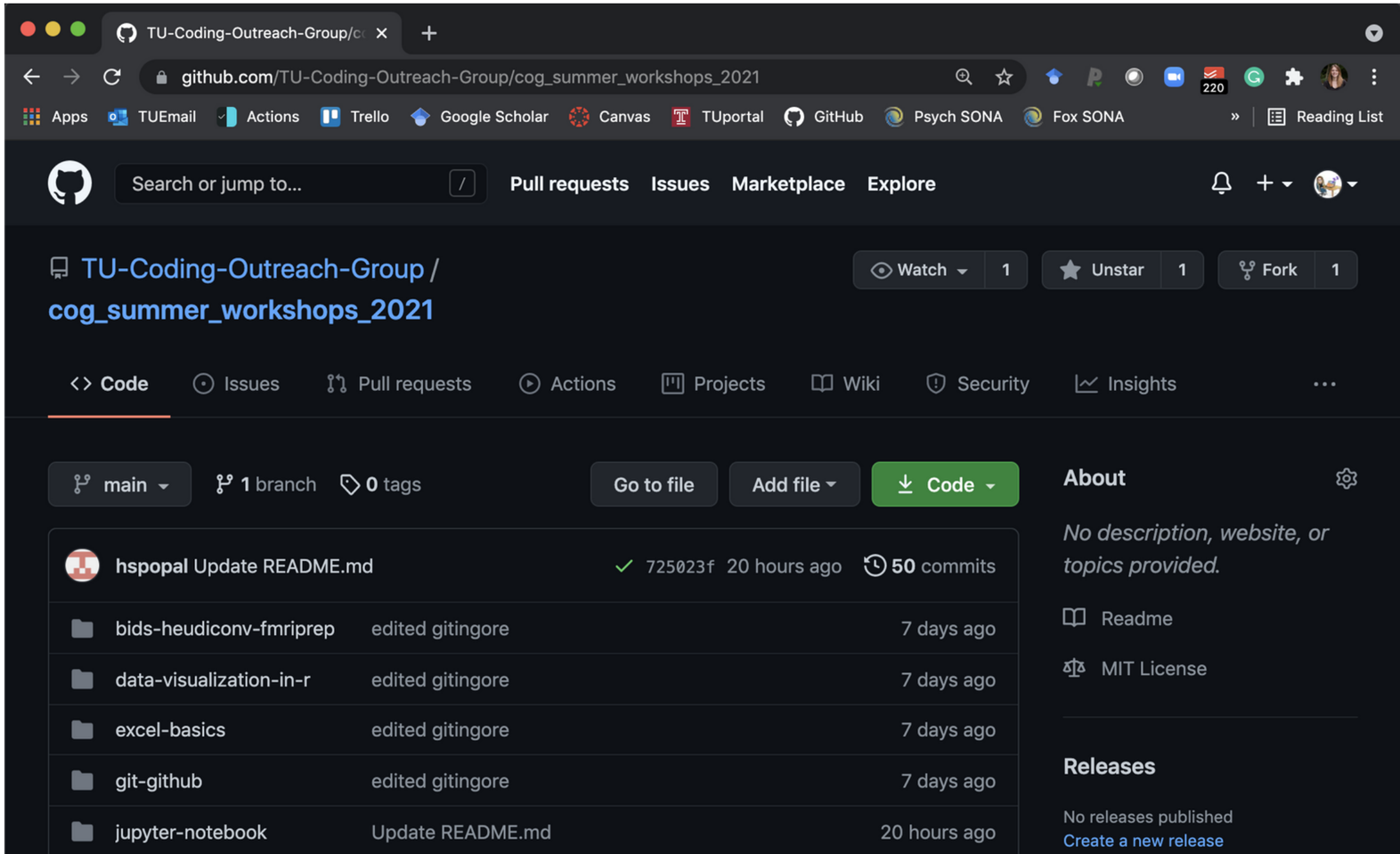
Liz Beard - COG Summer Workshop Series



IMPLEMENTATIONS

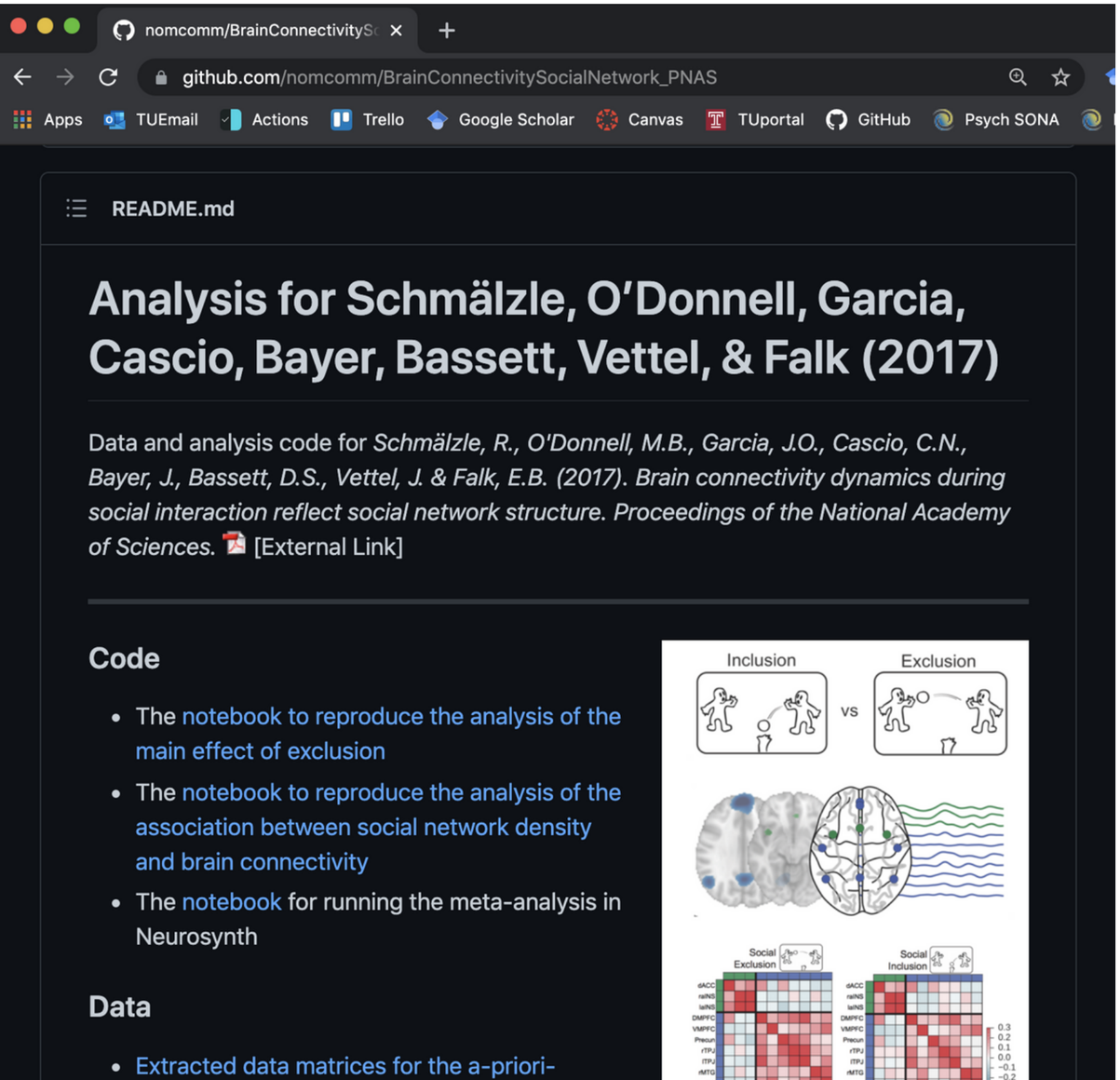
collaborating

COG Summer Workshop Repo



open science

[Ralf's PNAS Repo]



software distribution

nipy/heudiconv

nipy / heudiconv

Watch 20 | Unstar 142 | Fork 84

Code | Issues 116 | Insights

master | 11 branches

yarikoptic Merge pull request #5

.github	DOC: issue template clarity	2 years ago
custom/dbic	add dcmtk for dcmdump	4 years ago
docs	[DATALAD RUNCMD] prepare the release	6 months ago
heudiconv	RM: reproin - Remove (ancient) DBIC specific craft	last month
utils	Do no bother ensuring that version changed - should...	6 months ago
.coveragerc	RF: move tests under heudiconv/ module	3 years ago
.dockerignore	maint: outline issue reporting, ignore certain files wh...	2 years ago
.gitignore	doc: finalize rtd	2 years ago
.mailmap	ENH(DOC): .mailmap file for git shortlog -sn	4 years ago

About

A flexible DICOM converter for organizing brain imaging data into structured directory layouts

heudiconv.readthedocs.io

Readme

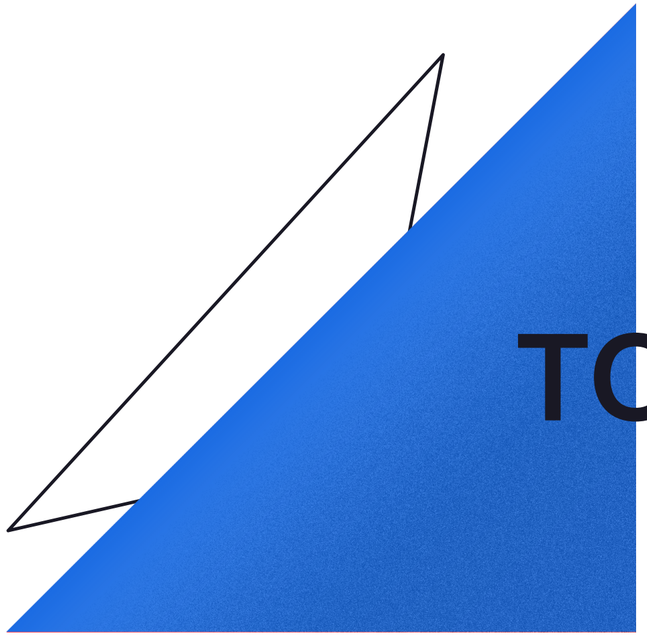
View license

Releases 21

v0.9.0: ## [0.9.0] ... Latest

on Dec 23, 2020

+ 20 releases



TODAY WE'VE

Implemented version control

Setting up git
Create a local repo
Commit changes to a local repo
Add files to a GitHub repository

Collaborated on GitHub

Forking and cloning a repo from GitHub
Updating a local repo with changes from the forked repo
BONUS: Pull Requests

PROS OF IMPLEMENTING VERSION CONTROL

MACRO:

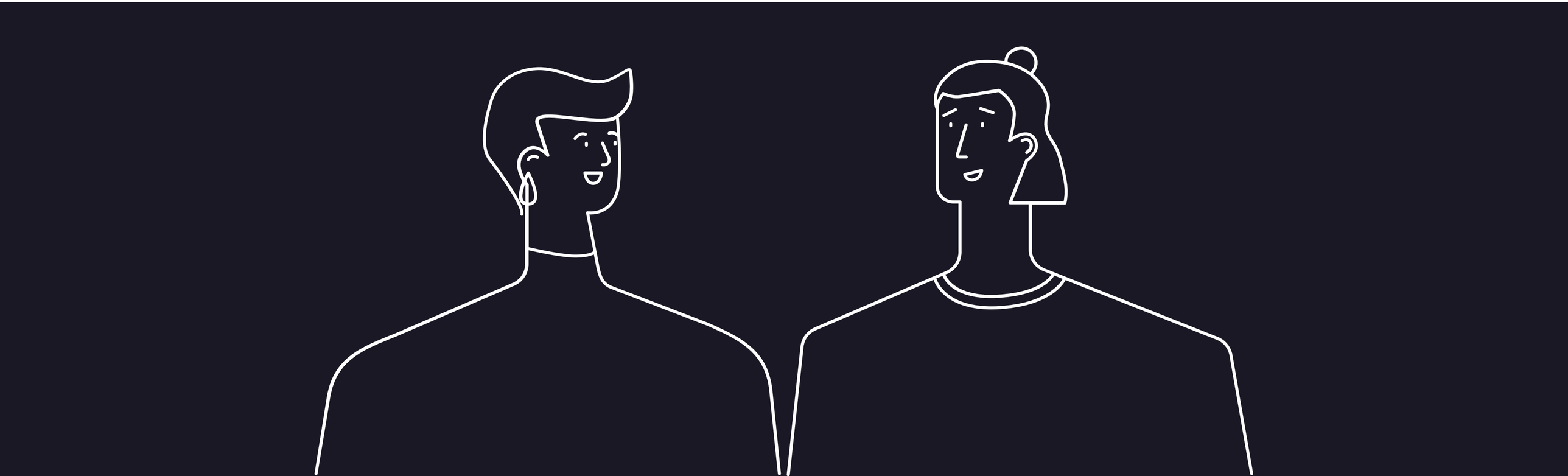
Good data management practices enhance scientific rigor by simplifying reproducibility efforts, promoting collaboration, etc.

MESO:

Larger-scale projects are often passed down from student to student. PIs work across projects with lots of different students.

MICRO:

Your #1 collaborator Is you from the past. Be nice to your favorite collaborator!

THANKS!

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