

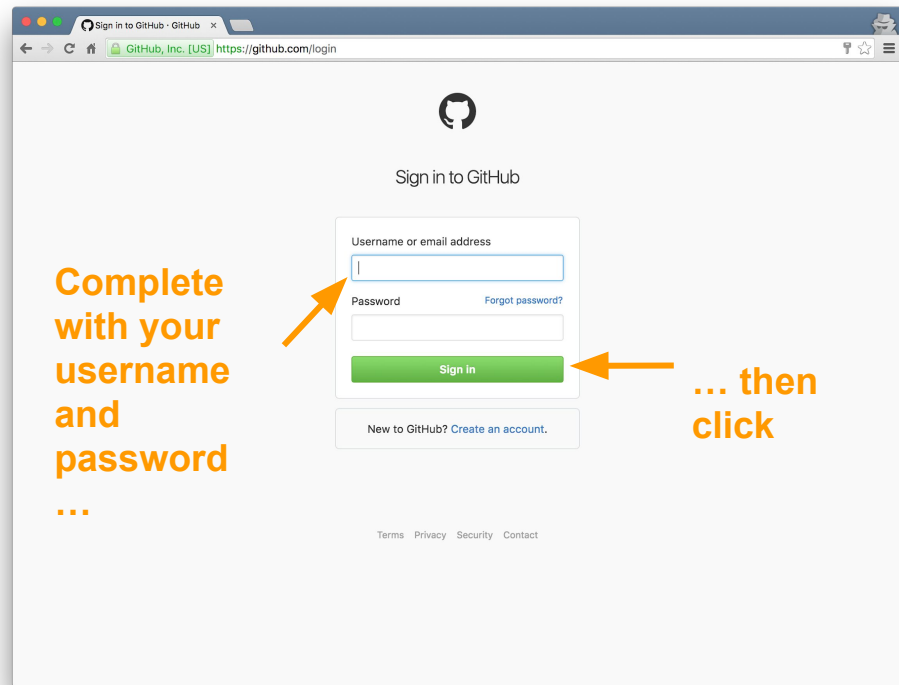


Go to github.com

Step 1: Sign-up

Step 2: Log in

<https://tinyurl.com/SC-GitHub-Intro>



GitHub Intro



Developing Collaborative Documents

[Click here for the paired online materials](#)

by Malvika Sharan

Esther Plomp & Lane Atmore

14 October 2021

References: [Mozilla Science Lab's Study Group Orientation](#),

[Friendly GitHub Intro by Kirstie Whitaker](#) &

Visual description: <https://learnitbranching.js.org/>



This workshop

- Get comfortable with a collaborative workflow in the GitHub interface
 - Practise with Markdown, issues, setting up a repository, making changes, GitHub terminology
- How to work together on a repository/project?
- How to make your repository/code FAIR?

~~An introduction to the terminal/git~~

see for example [Version Control with Git](#) by the Carpentries

~~Using a programming language~~

- see [slide 101](#) for R examples



Schedule

9:15 - 9:30 Coffee + setting up a GitHub account

9:30 - 9:45 Intro collaborative working / Version control

9:45 - 10:00 Getting started with GitHub, readme's (~10 min exercises/interaction)

10:00 - 10:40 GitHub terminology/workflow

10:40 - 11:00 Coffee!

11:00 - 12:00 Setting up your repository in groups (exercises/interaction)

12:00 - 12:15 Making software FAIR

12:15 Wrap up, questions, feedback (interaction)

12:30 Lunch!



Carpentries Style

<https://carpentries.org/>

- Code of Conduct
- Stickies: please use a green for when you're ready to continue, a red one if you're stuck / Pop it in the Zoom chat when you're stuck or when you're done
- If you're helping someone: try as much as possible to let this person do the typing/fixing and walk them through it. Try to avoid taking over the keyboard and fixing it for them



Code of Conduct

Yes / Encouraged

- Show empathy and kindness toward others
- Be respectful of differing opinions, viewpoints, experiences and **technological choices**
- Give and gracefully accepting constructive feedback
- Take responsibility for mistakes and any impact on others, learn from the experience
- Taking breaks to recharge!



Code of Conduct

Please contact Esther about any violations. If Esther is violating the CoC please reach out to your supervisor or Emmy Tsang: f.tsang@tudelft.nl

No harassment

- Verbal and text comments that reinforce social structures of domination related to gender, gender identity and expression, sexual orientation, ability, physical appearance, body size, race, age, religion or work experience.
- Use of sexual or discriminatory imagery, comments, or jokes
- Deliberate intimidation, disruption
- Unwelcome sexual attention
- Advocating for, or encouraging, any of the above behaviour

If the Code of Conduct is violated you will be asked to stop or leave the space.





Why GitHub?

Even if you do not regularly use any software GitHub can be of interest!

- Collaborate on projects
- Build your own website
- Share your documentation
- Set up presentations



No collaboration?



Colin Angus @VictimOfMaths · 18 jun.

Als antwoord op [@VictimOfMaths](#)

1) You write better code when you know other people might see it.

It's good to have an incentive to add more comments to your code, lay things out neatly and (generally) avoid hacky workarounds.



<https://twitter.com/VictimOfMaths/status/1405809691062591490>





The Turing Way

An Open Source guide on Data Science.

We involve and support a diverse community to **collaboratively develop resources** to make data science reproducible, ethical and inclusive for everyone.



Esther Plomp

EstherPlomp

Edit profile

21 followers · 20 following · 151

the Netherlands

@PhDtoothFAIRy

Achievements



Organizations



Overview

Repositories 42

Projects 1

Packages

EstherPlomp / README.md

Esther Plomp

Hi! I'm Esther. I work as a [Data Steward](#) at Delft University of Technology in the Netherlands. Before that I did a [PhD in bioarchaeology](#), studying the isotopic composition of human teeth.

I'm currently working on:

- Analysing and displaying some survey data in R.

I'm currently learning:

- How to set up reports in R markdown

How to reach/follow me:


- Twitter: [@PhDtoothFAIRy](#)
- ORCID: [0000-0003-3625-1357](#)
- LinkedIn: [Esther Plomp](#)

Signatory of



Use it as a CV

Why Github?

 EstherPlomp Update 20210902-n19.md	adf3ae0 on Sep 1	🕒 40 commits
📁 Newsletters	Update 20210902-n19.md	last month
📄 LICENSE.md	Create LICENSE.md	9 months ago
📄 README.md	Initial commit	9 months ago

README.md

TNW-PhD-Newsletters

Overview of the newsletters sent to the PhD students of TNW

<https://github.com/EstherPlomp/TNW-PhD-Newsletters>

Events:

- Four online [workshops demonstrating open-source tools in chemistry](#) are taking place in the upcoming months, including ChimeraX, GNINA 1.0 and DataWarrior. See also the recordings from the workshops on [DataWarrior](#), [PyMOL](#), [GoogleColab](#), [ChEMBL](#), [Fragalysis](#), [Knime](#) that were organised before.
- NUI Galway is hosting the third [Open Scholarship Week](#) from 10-14 May. [Registrations are now open](#) and there is an [Open Scholarship Prize Competition](#) (deadline for applications is **16 April!**)
- [NWO Life2021](#) (NWO conference for the Dutch Life Sciences) takes place online on the 26-28 of May. Deadline for [poster abstract submission](#) is the **8th of April**.

The Netherlands eScience Center opened up their [call for in-kind investment of a dedicated team of research software engineers](#) (RSEs) from the eScience Center that will work together with you on a project. You will need your supervisor (or someone else with a PhD) for this application. First deadline is **6th of May**.

You can indicate interest for an [intermediate Python course](#) [piloted by the UK Software Sustainability Institute](#) here.

Working on your next or first **publication**? Want to publish a protocol?

- Not sure how to structure your publication? [This brief guide to writing manuscripts](#) might be of help! (with benefits of Open Science listed on page 6)
- PLOS ONE introduced two new publication formats: [Lab Protocols and Study Protocols!](#)
- [How to write a great science paper](#) – tips from a novelist
- Watch a short video on [how to write an abstract](#)
- Use [Recite](#) to check your citations

Why Github?

<https://estherplomp.github.io/>



ABOUT ME

ROLES

OUTPUTS

TALKS

BLOGS

LEADERSHIP

COPYRIGHT

ESTHER PLOMP

OPEN SCIENCE / RESEARCH DATA MANAGEMENT / HUMAN OSTEOLOGY / ISOTOPE ARCHAEOLOGY

I'm an Open Science enthusiast and I would like to contribute to a more equitable way of knowledge generation and facilitate others in working more transparently. My research interests are osteology/bioarchaeology. I like to listen/read books (see [this Twitter thread](#) for some titles), dance, draw and game (Guildwars 2) when I'm not eating pie with friends/family.

Please get in touch about any ideas for collaboration, speaking opportunities, mentorship or to send me some cat pictures via the channels below:



Why Github?

<https://uf-repro.github.io/data-organization/slides.html#1>
<https://github.com/uf-repro/data-organization/blob/main/slides/slides.Rmd>

Your Slides are So Extra!

Extra-Special Presentations with xaringanExtra

GARRICK ADEN-BUIE
@grrck



Data Organization in Spreadsheets

Hao Ye

Health Science Center Libraries,
University of Florida

(updated: 2021-08-31)

See also:

- <https://rmarkdown-shilaan.netlify.app/#1>
- <https://github.com/shilaan/rmarkdown-session>

<https://slides.garrickadenbuie.com/extra-special-xaringan/?panelset1=setup2#1>

Why Github?



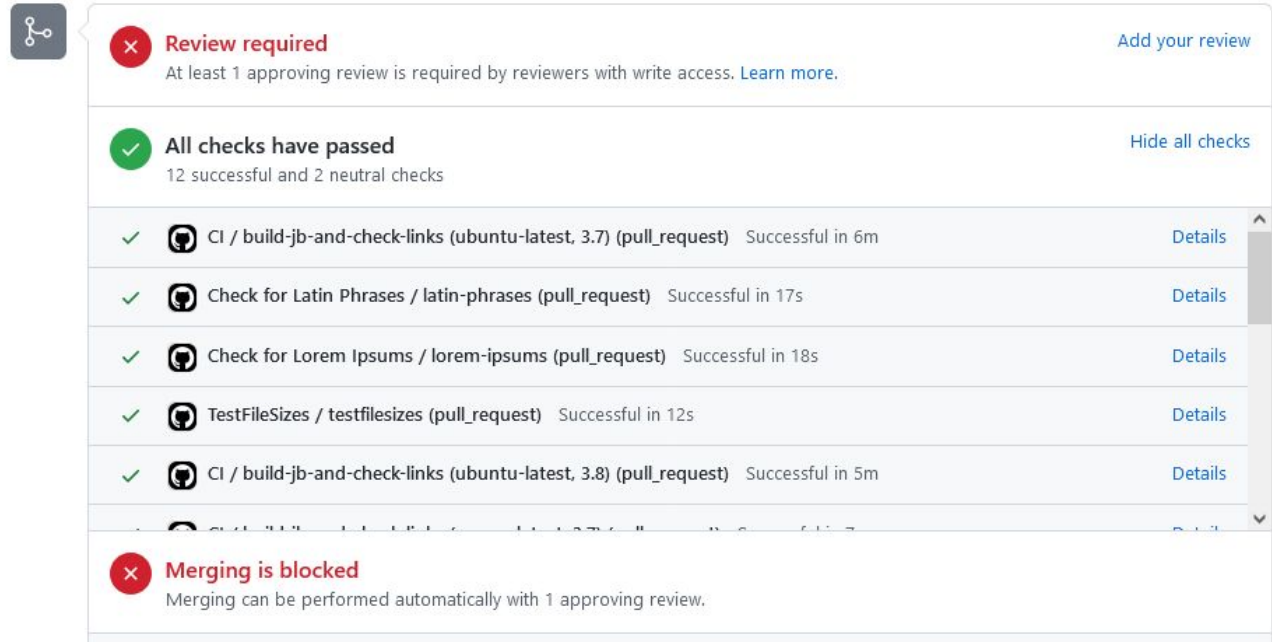
Date	Title	Duration	Event	Location	Source
Feb 20, 2019	The Carpentries	30min	ELIXIR Bioinformatics Training Tools Workshop	Debrecen, Hungary	🔗
May 20, 2019	Beer is alive!	30min	Pint of Science	Freiburg, Germany	🔗
Feb 7, 2019	Galaxy Training Network and Schema.org	10min	Boost Your Visibility – Improving F of FAIR for Dutch Training and Data Resources through Bioschemas	Utrecht, Netherlands	🔗
Feb 20, 2019	The training effort of the Galaxy community	30min	ELIXIR Bioinformatics Training Tools Workshop	Debrecen, Hungary	🔗

<http://talks.bebatut.fr/2019/>

<https://github.com/bebatut-slides/2019>

GitHub allows for testing/continuous integration to prevent errors






<https://docs.github.com/en/actions/automating-builds-and-tests/about-continuous-integration>



The screenshot displays the GitHub pull request interface. At the top, a 'Review required' status is shown with a red 'x' icon, indicating that at least one approving review is needed. Below this, a green checkmark icon indicates that 'All checks have passed', with 12 successful and 2 neutral checks. A list of checks follows, including 'CI / build-jb-and-check-links (ubuntu-latest, 3.7) (pull_request)' which is successful in 6m, 'Check for Latin Phrases / latin-phrases (pull_request)' successful in 17s, 'Check for Lorem Ipsums / lorem-ipsums (pull_request)' successful in 18s, 'TestFileSizes / testfilesizes (pull_request)' successful in 12s, and 'CI / build-jb-and-check-links (ubuntu-latest, 3.8) (pull_request)' successful in 5m. At the bottom, a 'Merging is blocked' status is shown with a red 'x' icon, stating that merging can be performed automatically with 1 approving review.

Review required Add your review
At least 1 approving review is required by reviewers with write access. [Learn more.](#)

All checks have passed Hide all checks
12 successful and 2 neutral checks

- ✓  CI / build-jb-and-check-links (ubuntu-latest, 3.7) (pull_request) Successful in 6m Details
- ✓  Check for Latin Phrases / latin-phrases (pull_request) Successful in 17s Details
- ✓  Check for Lorem Ipsums / lorem-ipsums (pull_request) Successful in 18s Details
- ✓  TestFileSizes / testfilesizes (pull_request) Successful in 12s Details
- ✓  CI / build-jb-and-check-links (ubuntu-latest, 3.8) (pull_request) Successful in 5m Details

Merging is blocked
Merging can be performed automatically with 1 approving review.

Projects (Project Board)

Sort issues, notes, to-dos
in a set of columns.

The screenshot displays the GitHub Project Board for the `intermine` repository. The interface includes a search bar at the top, navigation tabs for Pull requests, Issues, Marketplace, and Explore, and a breadcrumb trail for `intermine / intermine`. Below the navigation, there are tabs for Code, Issues (217), Pull requests (1), Actions, Projects (4), Wiki, Security, Insights, and Settings. The main content area is titled "Roadmap & release planning" and is updated 26 days ago. It features a search bar for filtering cards and an "Add cards" button. The board is organized into three columns representing different versions of InterMine:

- InterMine 4.1.2 (January 2019)**: Contains three issues:
 - DataSet URLs do not appear in tables; do show in report heading** (#2045) opened by sammyjava, labeled as a **bug**.
 - Remove "upload to GenomeSpace" export** (#2107) opened by julie-sullivan, with 1 linked pull request.
 - Remove im.js, imtables.js, imtables-dep.js from intermine-webapp** (#2112) opened by danielabutano, labeled as an **enhancement**.
- InterMine 4.2.0 (Spring 2019)**: Contains three issues:
 - FAIR: add profile Gene and Protein markup to the report page** (#1969) opened by danielabutano, labeled as **fair**.
 - Add "data sets" source -- instead of using items XML** (#2024) opened by julie-sullivan, labeled as **input-needed**.
 - Non-existent web services should return a 404 error.** (#703) opened by joshkh, labeled as a **Future InterMine release**.
- InterMine 5.0.0**: Contains one issue:
 - Add gradle task to stop bluegenes** (#2121) opened by danielabutano, labeled as a **Future InterMine release**.



GitLab


Collaboration





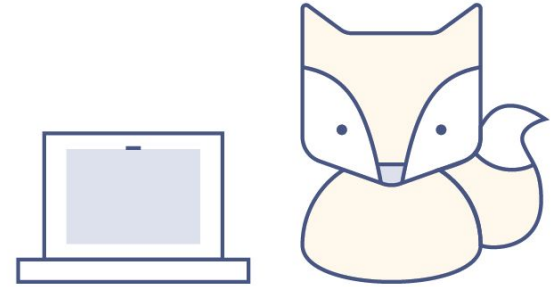
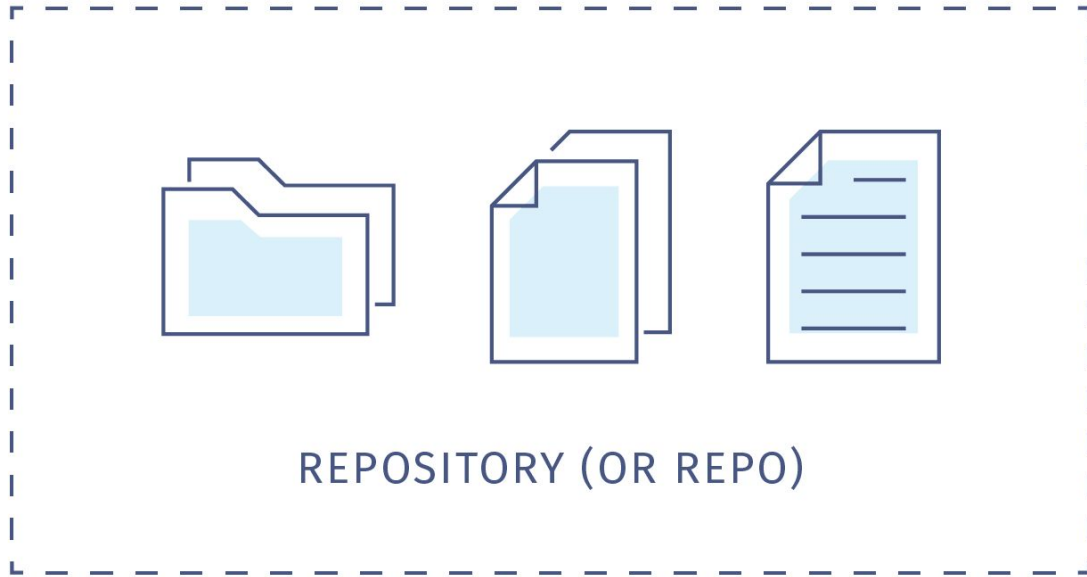
Collaborative Documents

What are the **challenges** in developing them?



When we work with many people to collaboratively develop a document.

Challenges: asynchronous and conflicting edits, location, time zones, VERSIONS



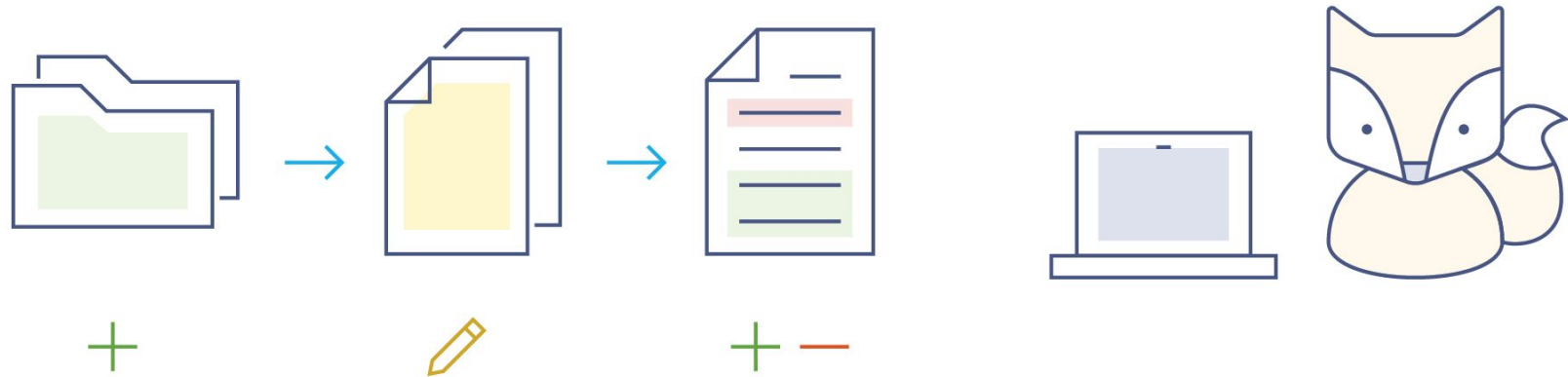
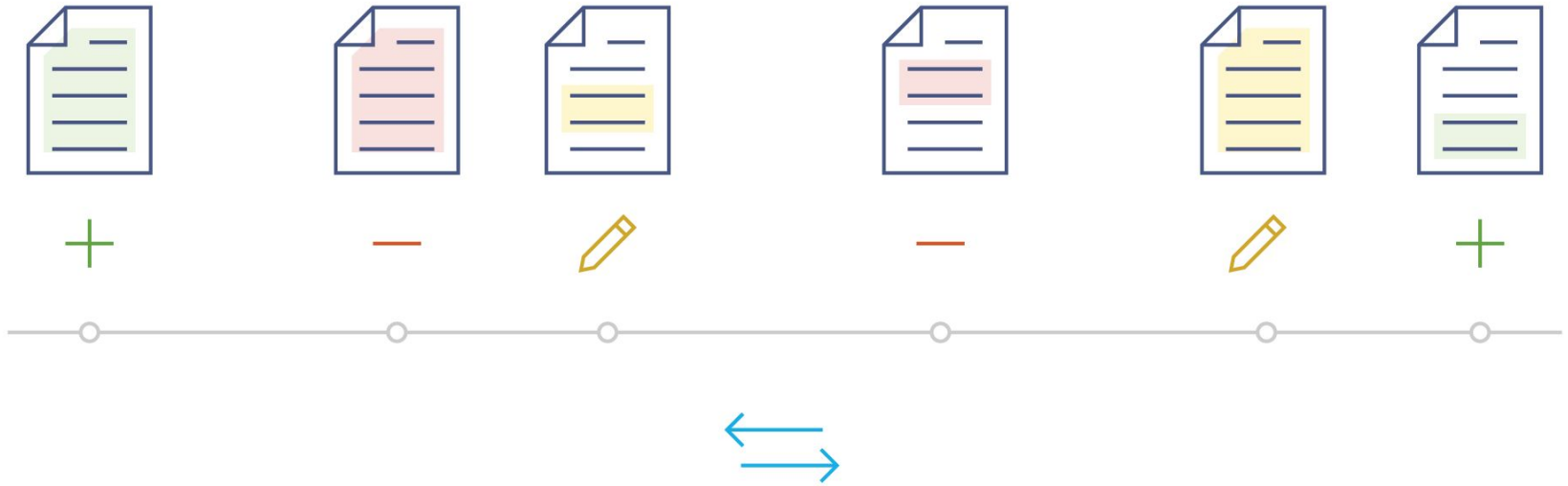


Image from Mozilla Science Lab:

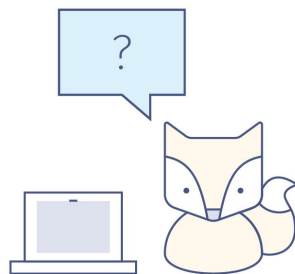
<https://mozillascience.github.io/study-group-orientation/3.1-collab-vers-github.html>



Revisions and Versions

Image from Mozilla Science Lab:

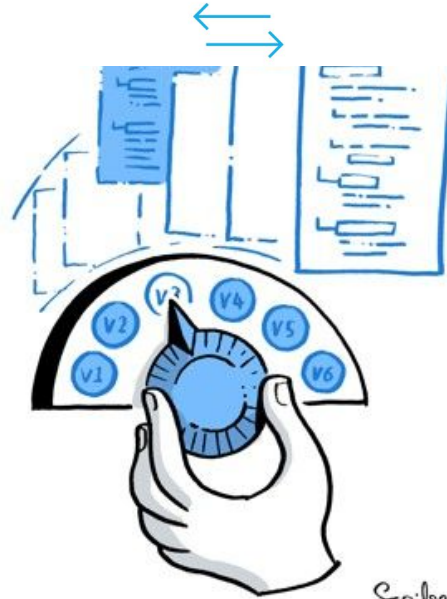
<https://mozillascience.github.io/study-group-orientation/3.1-collab-vers-github.html>



VERSION CONTROL



Scriberia



Scriberia 

Version Control

Management of **changes**, called **revisions**, to a file

- Simple file versioning with v1.0, v1.1, ...
- Simple tools like Google Drive, Dropbox...
- Advanced tools: git (local version controls system)

***Revision:** Change associated with a **timestamp** and details like what changes were made, who changed them, why etc.*



Version Control

Benefits: collaborate in real time, store history, go back to previous versions



Add information on changes

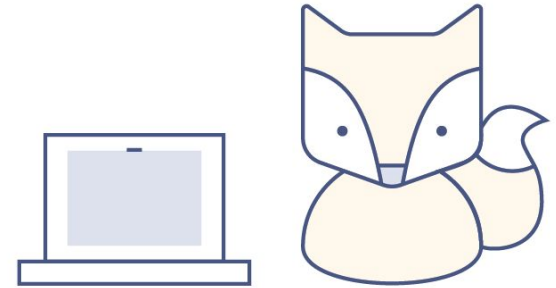
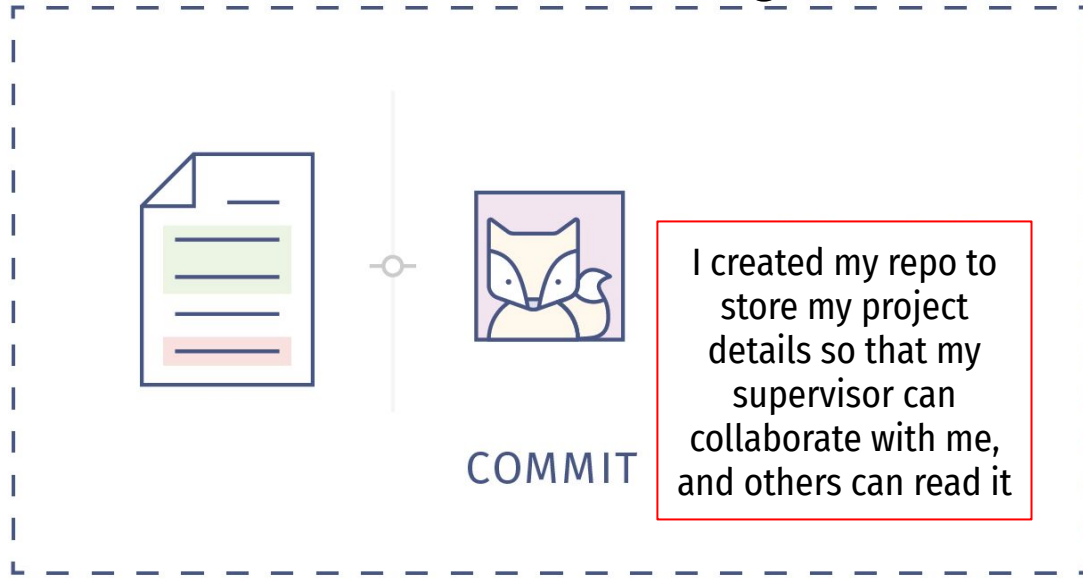


Image from Mozilla Science Lab:

<https://mozillascience.github.io/study-group-orientation/3.1-collab-vers-github.html>

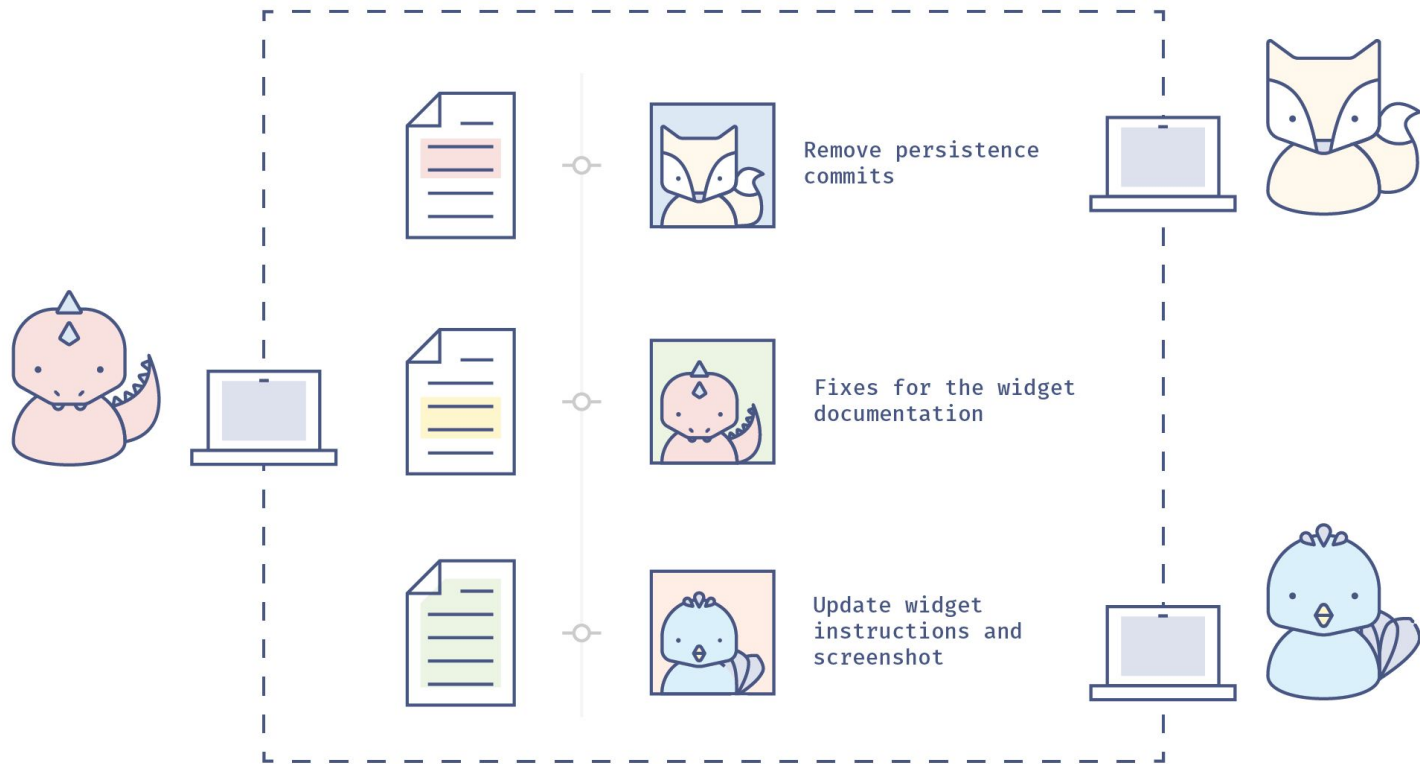


Image from Mozilla Science Lab:

<https://mozillascience.github.io/study-group-orientation/3.1-collab-vers-github.html>




- **Hosts your repositories** (projects) online
- Helps you **work with contributors**/collaborators
- Provides **web interface** for version control
- It can be used for **project management** and communication
- Useful when a group of people are working together

TASK: Make your repo

“20211014-SeaChanges
-test”


Repository (Repo)


A project where all your files are, online or on your computer

Owner *  EstherPlomp ▾ / Repository name * 20211014-SeaChanges ✓

Great repository names are short and memorable. Need inspiration? How about [ubiquitous-invention?](#)

Description (optional)
GitHub Intro workshop

 **Public**
Anyone on the internet can see this repository. You choose who can commit.

 **Private**
You choose who can see and commit to this repository.


Initialize this repository with:
Skip this step if you're importing an existing repository.

Add a README file
This is where you can write a long description for your project. [Learn more.](#)

Add .gitignore
Choose which files not to track from a list of templates. [Learn more.](#)

Choose a license
A license tells others what they can and can't do with your code. [Learn more.](#)

License: MIT License ▾

This will set  main as the default branch. Change the default name in your [settings](#).

Create repository



You know version control.

You created your first repo.

GitHub & Markdown

Markdown (.md) for formatting

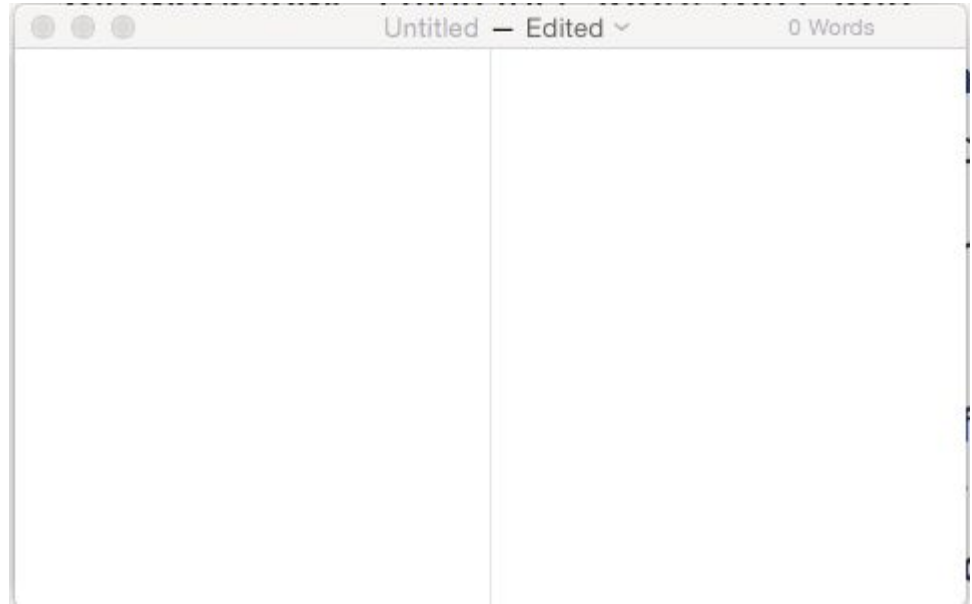
Create a README file

- **Landing page** for your repo
- Add information about your project
- List tasks of varying expertise clearly
- Add names/ids of your collaborators
- Invite others with specific skills
- Write it in style with Markdown

Markdown (.md) for formatting

Markdown is a simple text
“markup” language made for
quickly writing formatted text

Great for blogs, documentation,
and even writing papers.



GitHub automatically renders anything written in Markdown. This can be specific files, pull requests, issues or comments.

Some useful resources:

- <https://github.com/adam-p/markdown-here/wiki/Markdown-Cheatsheet>
- <https://www.webpagefx.com/tools/emoji-cheat-sheet>
- <https://github.com/EstherPlomp/20211014-SeaChanges/blob/main/README.md>

Practise with Markdown in your repository

or

Help out your neighbour if needed /

Take a look at the alternative exercises

- Set up a website ([slides 94-98](#))
- Contribute to a project ([archaeology & R](#) - 89 / [The Turing Way](#) - 100)
 - Connect RStudio to Git and GitHub ([slide 101](#))
 - Address an issue (slides [102](#))


EstherPlomp Initial commit ddc1275 now 1 commit

LICENSE	Initial commit	now
README.md	Initial commit	now

README.md

20211014-SeaChanges





GitHub Intro workshop



Readme examples

- <https://alexwlchan.net/2021/10/readmes-for-open-science/> (multiple examples and explanation)
- <https://github.com/EstherPlomp/Figures-Nd-data>

GitHub Terms

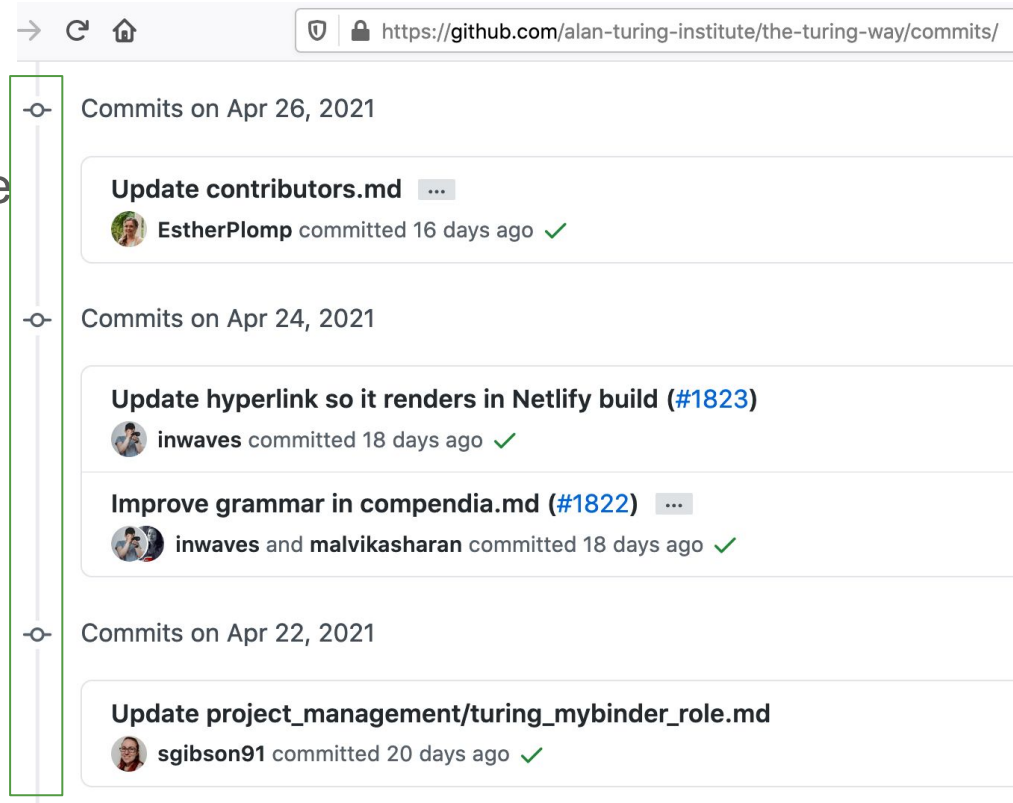
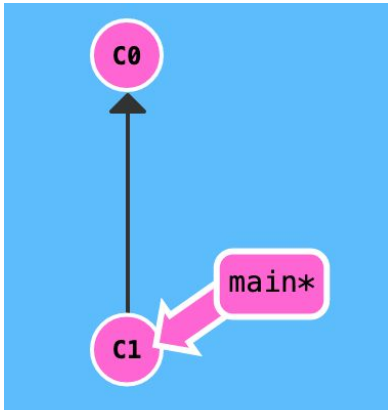
- Commit 
- Branch & Fork 
- Pull request 
- Merge 



Commit

Saving a version of file(s)

- 'commit' changes with message (i.e. 'My first commit')



A screenshot of a GitHub commit history page for the repository `https://github.com/alan-turing-institute/the-turing-way/commits/`. The page shows a list of commits grouped by date:

- Commits on Apr 26, 2021**
 - Update contributors.md** ...
EstherPlomp committed 16 days ago ✓
- Commits on Apr 24, 2021**
 - Update hyperlink so it renders in Netlify build (#1823)**
inwaves committed 18 days ago ✓
 - Improve grammar in compendia.md (#1822)** ...
inwaves and malvikasharan committed 18 days ago ✓
- Commits on Apr 22, 2021**
 - Update project_management/turing_mybinder_role.md**
sgibson91 committed 20 days ago ✓

TASK: Commit your changes to your Readme file



Commit changes

Adjust header style

Add an optional extended description...

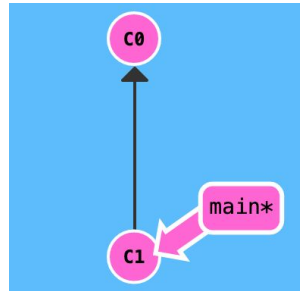
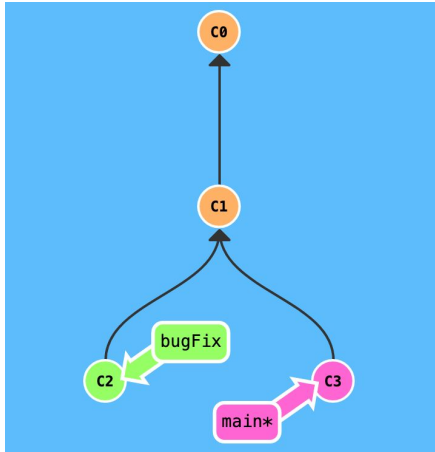
- Commit directly to the `main` branch.
- Create a **new branch** for this commit and start a pull request. [Learn more about pull requests.](#)

Commit changes

Cancel

Branch & Fork

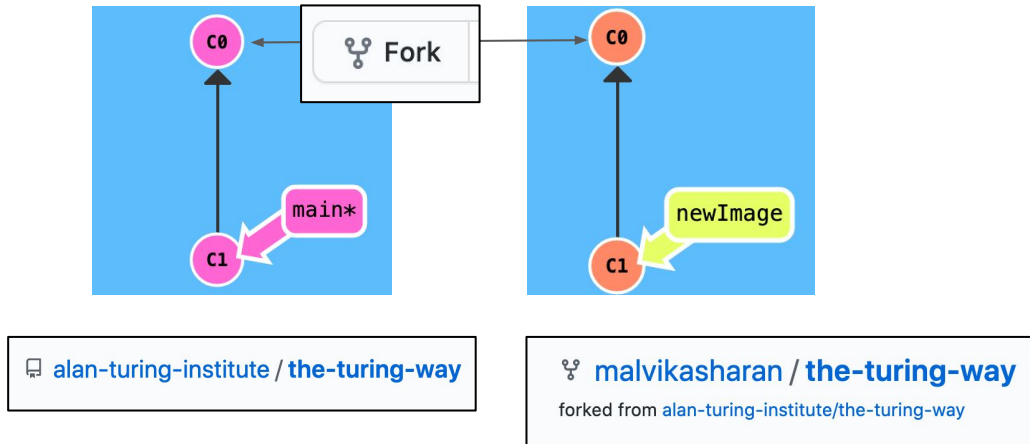
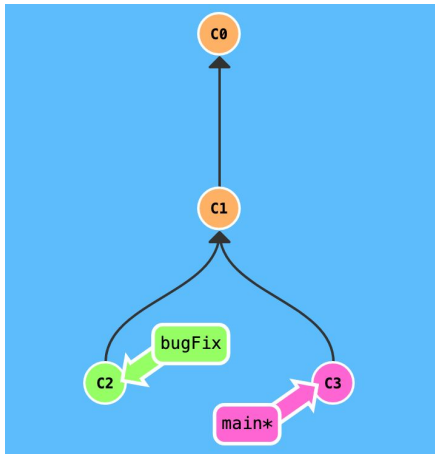
- **Branch:** pointers to a specific commit in **your** repo, temporary places to work through a feature ← you have **write** access



 alan-turing-institute / [the-turing-way](#)

Branch & Fork

- **Branch:** pointers to a specific commit in **your** repo, temporary places to work through a feature ← you have **write** access
- **Fork:** copy of repo that is an entirely **independent repo** ← no need of write access or intent to merge with the main



Fork

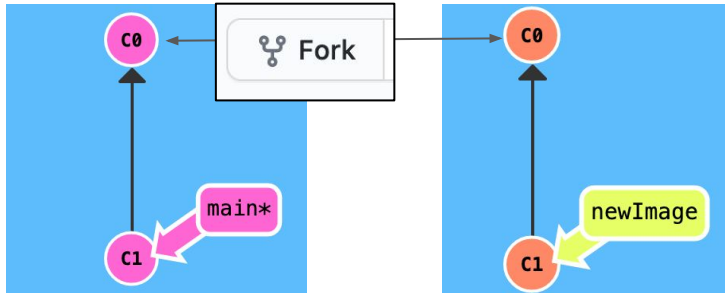


TASK: Fork Esther's repo

<https://github.com/EstherPlomp/20211014-SeaChanges>



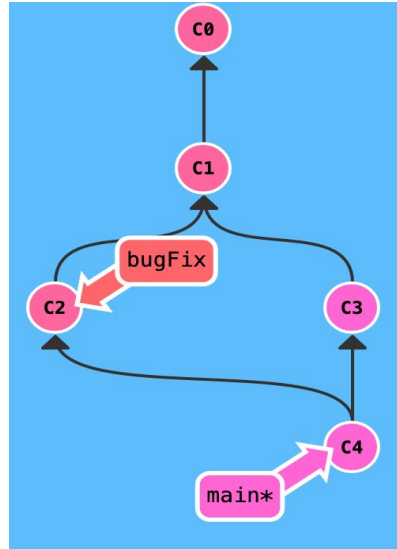
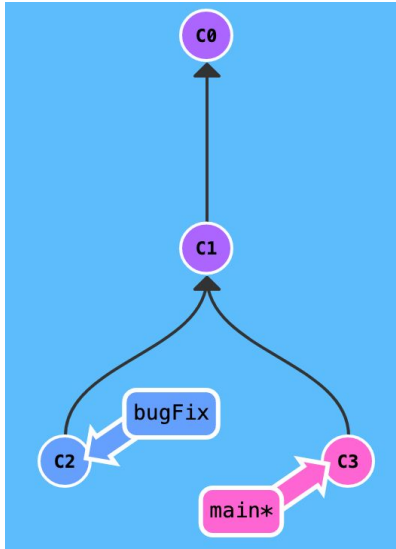
Unwatch 1 Star 0 Fork 0



EstherPlomp / 20211014-SeaChanges Public

Pull Request (PR)

- **PR:** Requesting to combine the work from a forked repo or two branches to the main repo



Fork + Pull Request

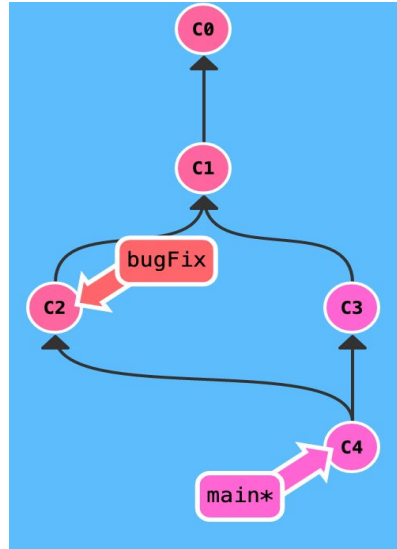
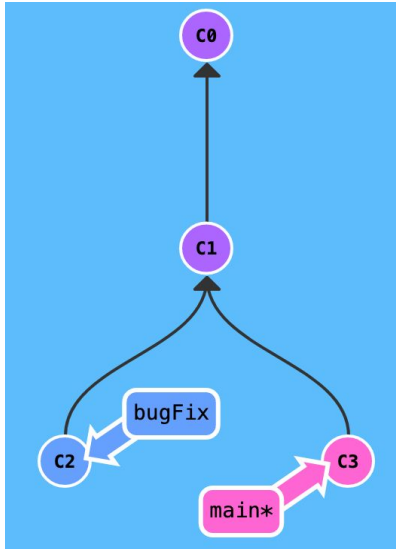
If you don't own a repo and aren't an official collaborator:

- a. You will **fork a repo**
- b. Work on your forked copy of the repo
- c. **Make a pull request** for the changes you've made
- d. Author/owner will decide to merge them in
- e. Make friends + party!



Pull Request (PR) - 1

TASK: Edit by adding your details “
20211014-SeaChanges/workshop-participants.md”



[20211014-SeaChanges](#) / [workshop-participants.md](#)

A screenshot of a GitHub file viewer interface. At the top right, there is a dark button labeled 'Edit this file'. Below it, there are three buttons: 'Raw', 'Blame', and a trash icon. To the right of the 'Blame' button is a monitor icon. The interface is clean and modern, with a light gray background.

<> Edit file

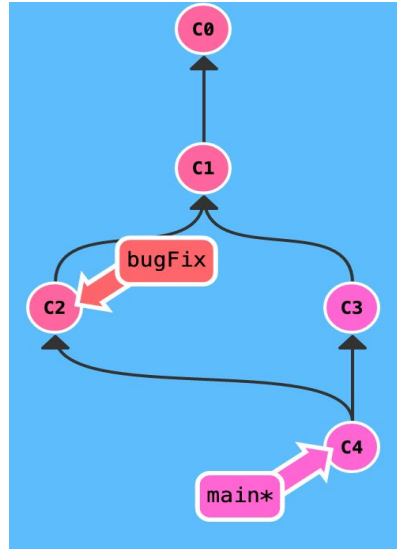
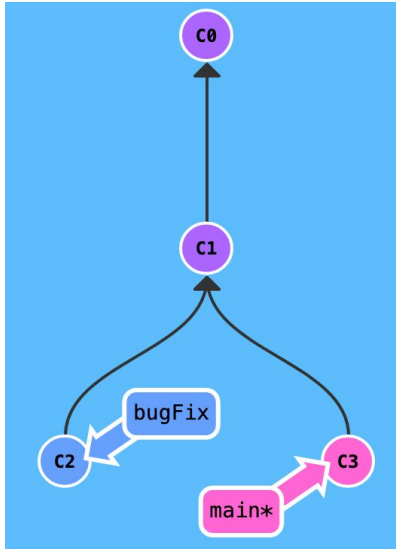
Preview

Spaces

2

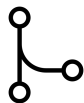
```
1  ## Sign up below by adding your details
2
3  Name / Github account / **What specific aspect of GitHub do you find challenging?**
4  * Esther Plomp / EstherPlomp / Merging conflicts
5  *
6  *
7  *
8  *
9  *
10 *
11 *
12 *
13 *
14 *
15 *
```

Pull Request (PR) - 2

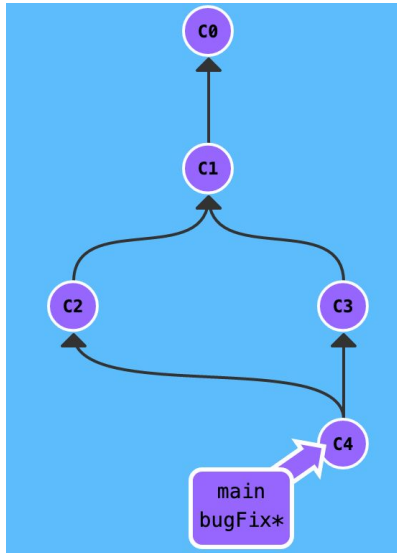
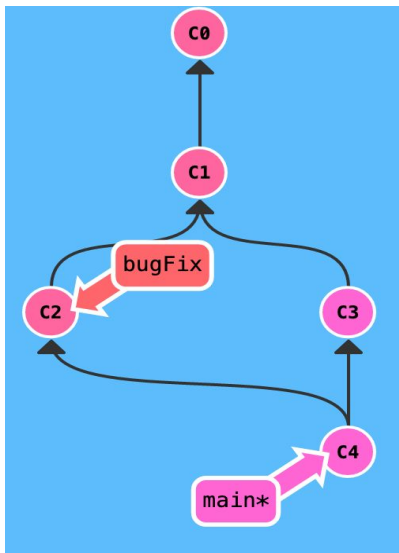


The screenshot shows the GitHub Pull Request interface. At the top, there are navigation tabs for Code, Pull requests (selected), Actions, Projects, Wiki, Security, Insights, and Settings. Below the tabs, there are filters for 'is:pr is:open', 'Labels 11', and 'Milestones 0'. A green button labeled 'New pull request' is visible. The main content area is titled 'Comparing changes' and includes a dropdown menu for 'base repository: alan-turing-institute/the-turi...' and 'base: master'. Below this, there is a section titled 'Open a pull request' with a dropdown menu for 'base: master' and 'compare: master'. A green checkmark indicates 'Able to merge. These branches can be automatically merged.' Below this, there is a text input field with the text 'Create a test PR'. The main content area is titled 'Write' and 'Preview'. The text in the preview area is: '### Summary' followed by '* Test PR for the workshop'. At the bottom, there is a green button labeled 'Create pull request' and a checkbox labeled 'Allow edits and access to secrets by maintainers'.

Merge



- **Merge:** combining the work from two different branches together after review



Create a test PR #1868

[Open](#) malvikasharan wants to merge 2 commits into `alan-turing-institute:master` from `malvikasharan:master`

Conversation 0 Commits 2 Checks 0 Files changed 1

malvikasharan commented 2 minutes ago

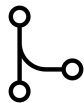
Member

Summary

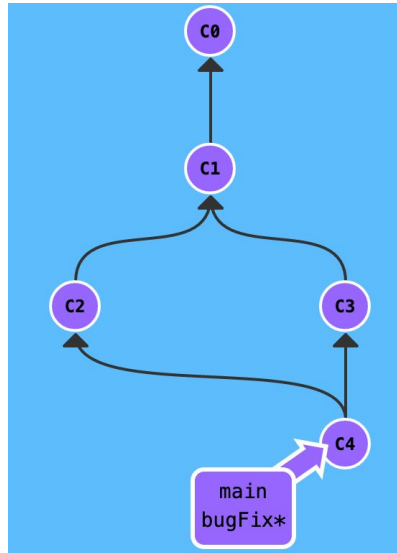
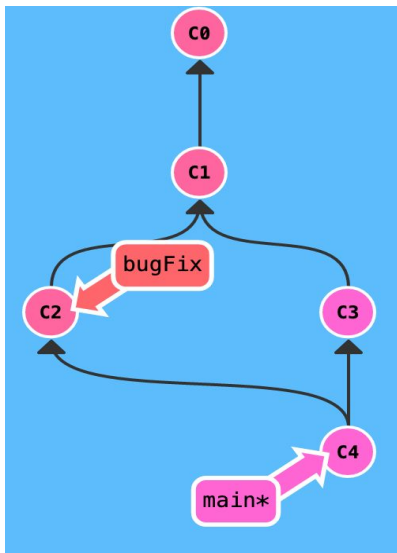
- Test PR for the workshop

Conversation 1 Commits 2 Checks 13 **Files changed 1**

Merge



- **Merge:** combining the work from two different branches together after review



Create a test PR #1868

[Open](#) malvikasharan wants to merge 2 commits into `alan-turing-institute:master` from `malvikasharan:master`

Conversation 0 | Commits 2 | Checks 0 | Files changed 1

malvikasharan commented 2 minutes ago

Member

Summary

- Test PR for the workshop

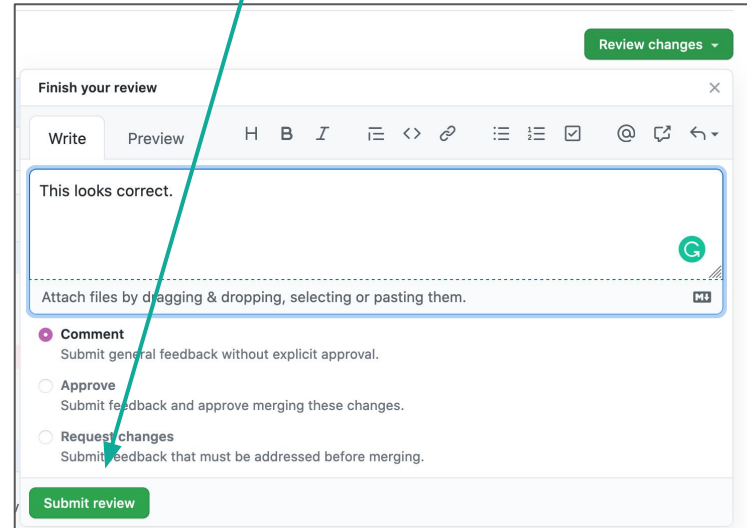
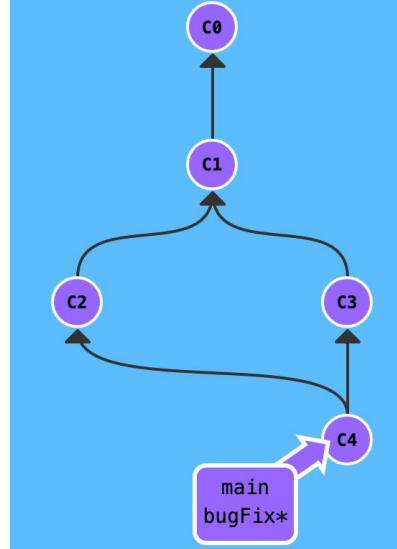
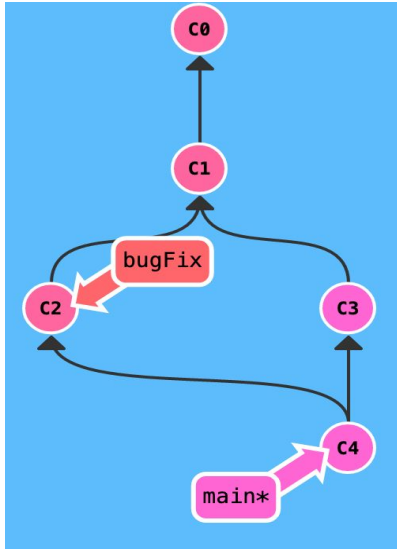
Conversation 1 | Commits 2 | Checks 13 | **Files changed 1**

```
workshops/github-workshop/2021-05-13-intro-workshop.md
```

37	• Kendra Phelps / EcoHealth Alliance /	37	• Kendra Phelps / EcoHealth Alliance /
38	• Mabrouk Boutagouga / University of Batna 1 /	38	• Mabrouk Boutagouga / University of Batna 1 /
39	• María Nanton / Buenos Aires' Ministry of Health /	39	• María Nanton / Buenos Aires' Ministry of Health /
40	- •	40	+ • Malvika / The Alan Turing Institute / Testing this PR
41	•	41	•
42	•	42	•
43	•	43	•

Review before merge

Users with **write access** can approve and merge PRs



Create an issue


Issues are like posts/messages










- Report bugs and errors, propose a new idea, save notes or invite discussions
- Give a descriptive header, provide details



Issue: ✨ General

Have a different idea? If this doesn't look right, [choose a different type](#).





Write Preview H B I         


`<!--`
Please complete the following sections when you open an issue. You are encouraged to keep this top level comment box updated as you develop and respond to reviews. If you have write access to the repository please also assign the appropriate label (or labels) to your issue. Note that text within html comment tags will not be rendered.
`-->`

Summary

`<!--` Please provide a detailed description of the change or addition you are proposing, or the question you're asking. Please provide as much context as possible and link to related issues and/or pull requests.
`-->`

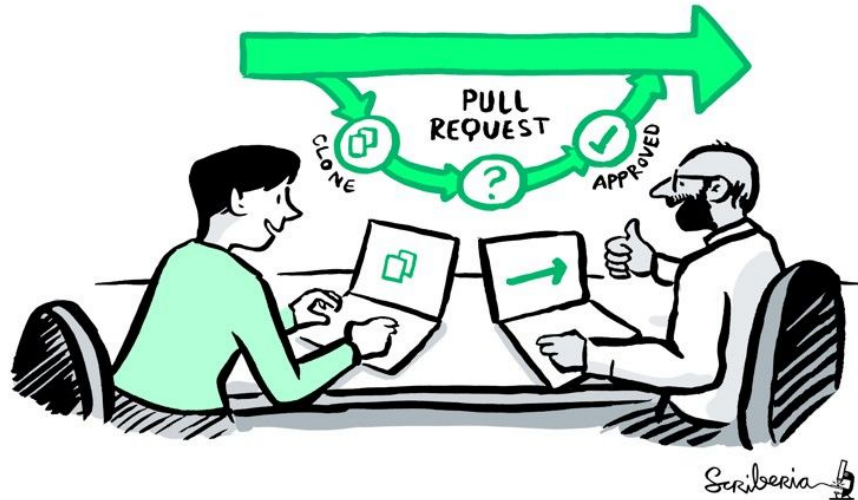
Attach files by dragging & dropping, selecting or pasting them. 

 Styling with Markdown is supported [Submit new issue](#)

 Remember, contributions to this repository should follow its [contributing guidelines](#) and [code of conduct](#).

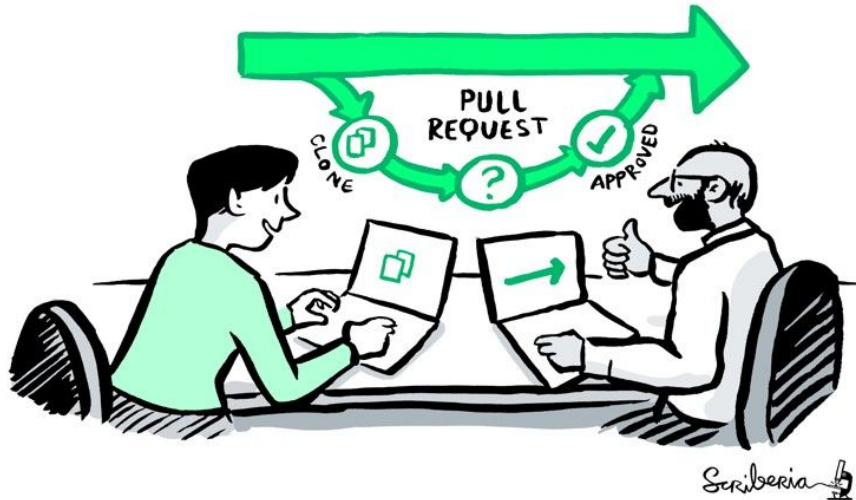
Issue vs Pull Request (PR)

- With a **issues**, you can **propose ideas for possible changes**, and invite discussions before you **make a PR** (or do something else).
- With a **pull request**, you can **propose changes**, discuss, and iterate on before you **merge** the changes into the project.



Using Issue & PR Features

- Different **contributors can see** what you are working on and offer help, share thoughts or learn from your work.
- Provide sufficient details, respond patiently, accept constructive feedback and **invite collaboration**.




Using Issue & PR Features

- **Advance features:** Use labels to sort or highlight relevant PRs and issues (“good first issue”) and tag people for comments/review

Onboarding Callum as Turing cluster admin #1856


Edit New issue


Open sgibson91 opened this issue 9 days ago · 1 comment

 **sgibson91** commented 9 days ago · edited ▾ Member 😊 ⋮


Actions


- ✔ Open issue in <https://github.com/jupyterhub/team-compass> introducing Callum
 - Issue here [jupyterhub/team-compass#407](#)
- ✔ Add item to May's meeting agenda to introduce Callum
- ✔ Invite Callum to the May JupyterHub & Binder team meeting
- ✔ Callum to request access to the `turingmybinder` Azure subscription through TopDesk
- ✔ Sarah to schedule meeting with Callum to give a tour of the GitHub repositories and various tools/procedures
- ✔ Sarah to schedule sync-up meeting with Callum, Kirstie and Malvika re synergies between TPS/Turing Way/Binder (Jupyter more widely)

 **sgibson91** added community project management labels 9 days ago

 **sgibson91** assigned **callummole** and **sgibson91** 9 days ago

Assignees

 **callummole**

 **sgibson91**

Labels

community project management

Projects

None yet

Milestone

No milestone

Linked pull requests

Successfully merging a pull request may close this issue.

None yet

Congratulations!



You now know:

Commit 

Issue 

Pull request 

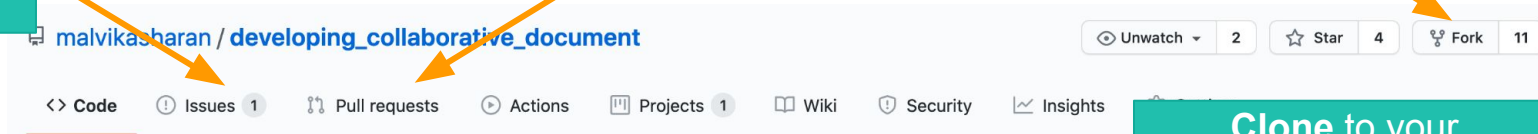
Merge 



Create & manage
“Issues”

Pull Request to add your
changes into forked repo

Fork this repo



Clone to your
computer from the web
using GitHub Desktop
or git command

This material is used for teaching
non-researchers about versioning and
maintaining Open Access Documents
to invite collaboration.

malvikasharan.github.io/developing...

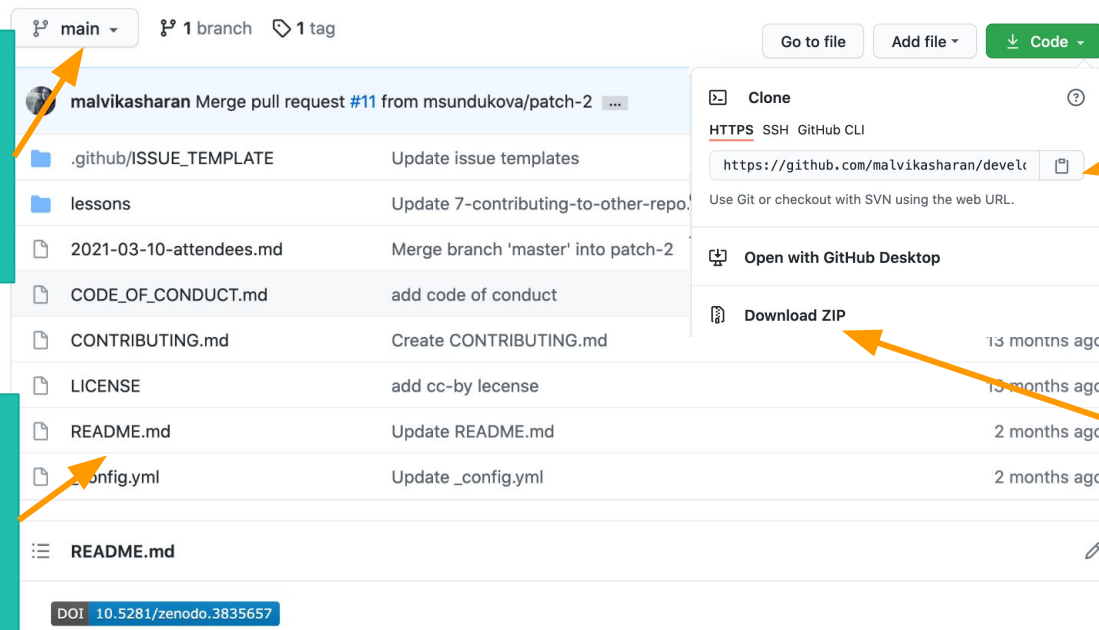
Readme

Download Zip to
download the zipped
repo onto your
computer

on 20 May 2020

Packages

Your default branch
is “main” - but you
can switch or add
branches here



The “README.md”
is automatically
rendered when you
visit a repo

DOI 10.5281/zenodo.3835657

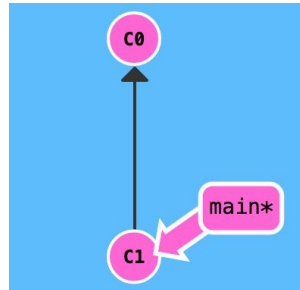
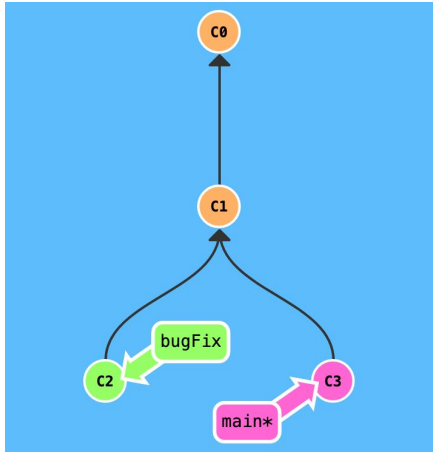
Pull Request in your repo



Branch & PR



- **Branch:** pointers to a specific commit in **your** repo, temporary places to work through a feature ← you have **write** access



friendly-collab-party / README.md in main

<> Edit file Preview

```
1 # Friendly Collab Party
2
3 This is my test repository.
4
5 This sentence is being added to test making branch on my own repo.
6
```

Commit directly to the main branch.

Create a new branch for this commit and start a pull request. [Learn more](#)

Propose changes Cancel

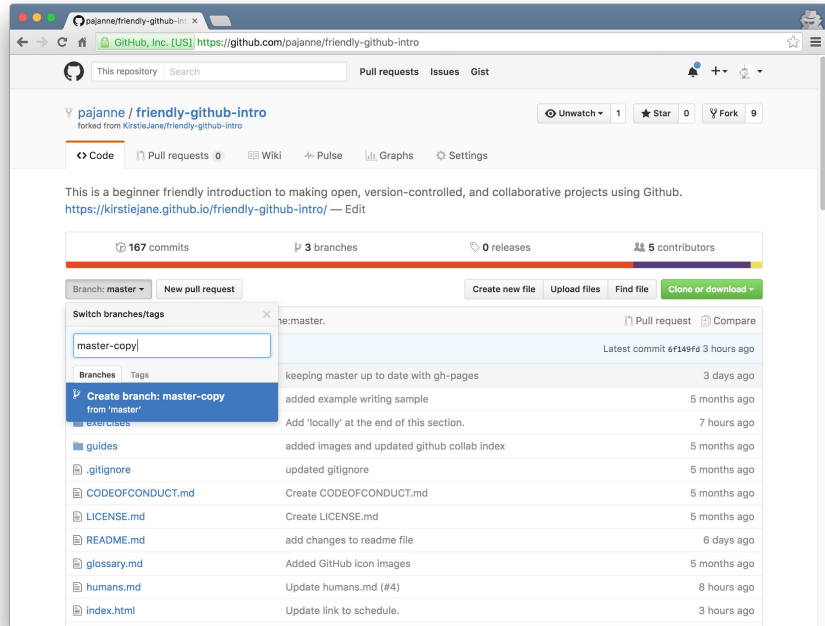
Pull request in your own repo

Pull request

request to add your changes from a branch back into master

Merge

act of incorporating new changes (commits) from one branch to another



Why work on a branch?

Commits on Oct 6, 2021

- Merge pull request #1 from EstherPlomp/EstherPlomp-patch-1 ✓ Verified
- Update index.html ✓ EstherPlomp committed 4 days ago ✓ Verified

Commits on Oct 5, 2021

- Update index.html ✓ EstherPlomp committed 5 days ago ✓ Verified
- Update index.html ✓ EstherPlomp committed 5 days ago ✓ Verified

Commits on Oct 3, 2021

- Update index.html ✓ EstherPlomp committed 7 days ago ✓ Verified
- Update index.html ✓ EstherPlomp committed 7 days ago ✓ Verified
- Update index.html ✓ EstherPlomp committed 7 days ago ✓ Verified
- Update index.html ✓ EstherPlomp committed 7 days ago ✓ Verified
- Update index.html ✓ EstherPlomp committed 7 days ago ✓ Verified
- Update index.html ✓ EstherPlomp committed 7 days ago ✓ Verified

Commits on May 8, 2021

- Update score_bams.py ✓ Verified 2639273
- Update whole_genome.py ✓ Verified 7776280

Commits on May 8, 2021

- Update score_bams.py ✓ Verified 7423636
- Update __main__.py ✓ Verified 2681595
- Update whole_genome.py ✓ Verified 910478c
- Update score_bams.py ✓ Verified 8a5486b
- Update score_bams.py ✓ Verified 1c95472

Commits on May 4, 2021

- Update score_bams.py ✓ Verified 5d19476
- Update score_bams.py ✓ Verified 275c8db

Commits on May 3, 2021

- Update whole_genome.py ✓ Verified 2572786
- Update score_bams.py ✓ Verified 5583fe5
- Update score_bams.py ✓ Verified 8834728

Commits on May 2, 2021

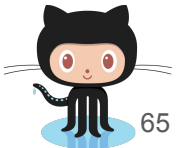
- Update whole_genome.py ✓ Verified 4e915a9
- Update score_bams.py ✓ Verified 47db653

“merge” your pull request to your repo



https://twitter.com/asmae_toumi/status/1446907459617136641

COFFEE!



Set up a repo for your group!

11:20 - 12:20

1. Create a repository and add your team
2. Share the files you would like to share as part of your 'paper'
3. Decide on who will shortly present (max 5 mins!) on your repository, your challenges and your successes



Work in groups

Group 1:

Lulú

Rachel W

Laura

Group 2:

Fabricio

Katrien

Lucía

Group 3:

Adam

Marie

Giulia

Group 4:

Emily

Rachel B

Willemien

Group 5:

Liz

Magie

Esther



Add collaborators

1. Only the owner of a repo can:
 - a. **add** people as **collaborators**
 - b. each collaborator can read/write files in the repo
 - c. each collaborator is adding files and other content → making branches → and either directly merging changes in or via pull requests

Settings - add collaborators here

The screenshot shows a web browser window displaying the GitHub repository page for 'friendly-collab-party' by user 'joeyklee'. A red arrow points from a text box at the top to the 'Settings' tab in the repository navigation bar. The page includes a search bar, repository statistics (1 commit, 1 branch, 0 releases, 1 contributor), and a list of files including 'README.md'. The main content area shows the repository name and a description: 'This is a repo for friendly collaboration party'.

joeyklee / friendly-collab-party

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Wiki Pulse Graphs Settings

This is a repo for friendly collaboration party — Edit

1 commit 1 branch 0 releases 1 contributor

Branch: master - New pull request New file Upload files Find file HTTPS - https://github.com/joeykL Download ZIP

joeyklee Initial commit Latest commit 13e00a2 just now

README.md Initial commit just now

README.md

friendly-collab-party

This is a repo for friendly collaboration party

© 2016 GitHub, Inc. Terms Privacy Security Contact Help Status API Training Shop Blog About Pricing

Click here

The screenshot shows the GitHub interface for the repository 'friendly-collab-party'. The browser address bar displays 'https://github.com/joeyklee/friendly-collab-party/settings'. The repository name 'friendly-collab-party' is visible at the top, along with statistics: 1 Unwatch, 0 Stars, and 0 Forks. The 'Settings' tab is selected in the navigation bar. On the left, a sidebar menu under 'Options' contains links for 'Collaborators', 'Branches', 'Webhooks & services', and 'Deploy keys'. A red arrow points from a 'Click here' text box to the 'Collaborators' link. The main content area is divided into sections: 'Settings' (with a 'Repository name' field containing 'friendly-collab-party' and a 'Rename' button), 'Features' (with checkboxes for 'Wikis', 'Restrict editing to collaborators only', and 'Issues'), and 'GitHub Pages' (with an 'Automatic page generator' section and a 'Launch automatic page generator' button).

Add collaborator's name here

The screenshot shows the GitHub interface for the repository 'friendly-collab-party' by user 'joeyklee'. The 'Settings' tab is selected, and the 'Collaborators' section is active. A red arrow points from a text box at the top to the search input field in the 'Add collaborator' section. The search input field is currently empty, and the 'Add collaborator' button is disabled. The repository has 1 Unwatch, 0 Stars, and 0 Forks. The footer contains copyright information for GitHub, Inc. and various links like Status, API, Training, Shop, Blog, About, and Pricing.

friendly-github-i... 2016-02-10
grants/peermap... Getting Started ... +

GitHub, Inc. (US) | https://github.com/joeyklee/friendly-collab-party

Most Visited Getting Started Commits · joeykle... Etherpads interesting-people

This repository Search Pull requests Issues Gist

joeyklee / friendly-collab-party Unwatch 1 Star 0 Fork 0

Code Issues 1 Pull requests 0 Wiki Pulse Graphs Settings

Options Collaborators Branches Webhooks & services Deploy keys

Collaborators Push access to the repository

This repository doesn't have any collaborators yet. Use the form below to add a collaborator.


Search by username, full name or email address


Add collaborator

© 2016 GitHub, Inc. Terms Privacy Security Contact Help Status API Training Shop Blog About Pricing

***Create your repository and add your
collaborators***

Set up your repository

 laneatmore Edited README title	3c7d1c0 5 days ago	🕒 14 commits
📁 Analysis_Scripts	Create WRAPbams.sh	5 days ago
📁 Figure_Scripts	Show file input options, add comments	5 days ago
📄 README.md	Edited README title	5 days ago

☰ README.md 

Exploring Cod Demography with BAMscorer

Cite this study: Atmore et al. 2021. Exploring Cod Demography. *Journal of Seachanges ITN*. doi: 14059dxseachanges

Data is available at: *ENA accession code/Dryad link/etc*
DO NOT ACTUALLY MAKE YOUR DATA AVAILABLE


This repository contains scripts used to analyze population differentiation in Atlantic cod using the BAMscorer software program (Ferrari & Atmore et al. 2021).

Repo File Structure

The Analysis_Scripts directory contains three subdirectories, one for each population comparison, which each contain specific scripts used to run the BAMscorer program on the population in question.

The Figure_Scripts directory contains R scripts used to create figures for the paper, including PCA plots and a histogram of SNP loading weights for each population comparison database.

🔑 main ▾ [Oslo_Workshop_Template](#) / [Analysis_Scripts](#) /

 laneatmore Create WRAPbams.sh ...

..

📁 Baltic_East_Atlantic	Create WRAPbams.sh
📁 NEAC_East_Atlantic	Create WRAPbams.sh
📁 West_East_Atlantic	Create WRAPbams.sh

https://github.com/laneatmore/Oslo_Workshop_Template

Set up your repository

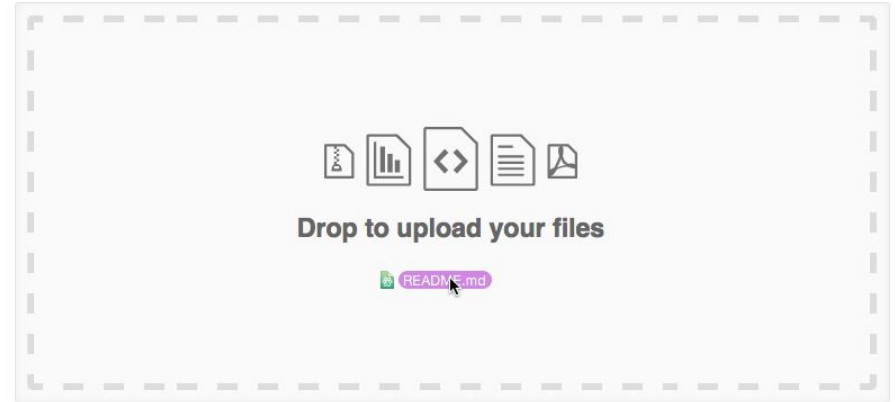
<https://github.com/bvreede/good-enough-project>

```
.
├── .gitignore
├── CITATION.md
├── LICENSE.md
├── README.md
├── requirements.txt
├── bin                <- Compiled and external code, ignored by git (PG)
│   └── external      <- Any external source code, ignored by git (RO)
├── config            <- Configuration files (HW)
├── data              <- All project data, ignored by git
│   ├── processed    <- The final, canonical data sets for modeling. (PG)
│   ├── raw          <- The original, immutable data dump. (RO)
│   └── temp         <- Intermediate data that has been transformed. (PG)
├── docs              <- Documentation notebook for users (HW)
│   ├── manuscript   <- Manuscript source, e.g., LaTeX, Markdown, etc. (HW)
│   └── reports       <- Other project reports and notebooks (e.g. Jupyter, .Rmd) (HW)
├── results
│   ├── figures      <- Figures for the manuscript or reports (PG)
│   └── output        <- Other output for the manuscript or reports (PG)
└── src               <- Source code for this project (HW)
```

How to add files?

- Web interface
- [GitHub desktop](#)
- [Terminal/Git](#)
- [RStudio](#)

octo-repo /



<https://docs.github.com/en/repositories/working-with-files/managing-files/adding-a-file-to-a-repository>

Share out!

Group 1:

Lulú

Rachel W

Laura

Group 2:

Fabricio

Katrien

Lucía

Group 3:

Adam

Marie

Giulia

Group 4:

Emily

Rachel B

Willemien

Group 5:

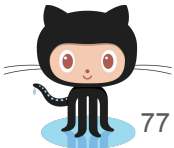
Liz

Magie

Esther



Make your repo FAIR



FAIR

[FAIR? \(Presentation slides\)](#)

29

[GO FAIR](#) overview

[Wilkinson et al. 2016](#) (Paper on FAIR)

[The Turing Way: FAIR](#) (general overview)

Findable

- Archive your data in a data repository with metadata and a persistent identifier



Accessible

- Determine what should be shared
- Ensure there is an access procedure in place
 - ≠ open!

- Use open/common formats and languages
- Consistent vocabulary
- Metadata standards

Interoperable



- Apply a licence to specify how others can reuse your data
- Documentation

Reusable

Data Article

Neodymium isotopes in modern human dental enamel: An exploratory dataset for human provenancing

Esther Plomp

<https://doi.org/10.1016/j.dib.2021.107375>

Data accessibility

Repository: IsoArch [1]

Data identification number: 10.48530/isoarch.2021.011

Direct URL: [10.48530/isoarch.2021.011](https://doi.org/10.48530/isoarch.2021.011)

Software availability: <https://doi.org/10.5281/ZENODO.5150520> [6]

Data is available under the Creative Commons BY-NC-SA 4.0 license.

References

- [5] E. Plomp, Neodymium isotopes in modern human dental enamel: an exploratory dataset, IsoArch (2021), doi:[10.48530/ISOARCH.2021.011](https://doi.org/10.48530/ISOARCH.2021.011).
- [6] E. Plomp, J.C. Peterson, [software] EstherPlomp/figures-Nd-data, Zenodo, 2021. doi:[10.5281/ZENODO.5150520](https://doi.org/10.5281/ZENODO.5150520).
- [7] C. Stantis, [software] stantis/IsoDataVis: first (Official) release, Zenodo, 2021. doi:[10.5281/ZENODO.4743734](https://doi.org/10.5281/ZENODO.4743734).

Data Article

Neodymium isotopes in modern human dental enamel: An exploratory dataset for human provenancing

Esther Plomp

<https://doi.org/10.1016/j.dib.2021.107375>

Data accessibility

Repository: IsoArch [1]

Data identification number: 10.48530/isoarch.2021.011

Direct URL: [10.48530/isoarch.2021.011](https://doi.org/10.48530/isoarch.2021.011)

Software availability: <https://doi.org/10.5281/ZENODO.5150520> [6]

Data is available under the Creative Commons BY-NC-SA 4.0 license.

References

- [5] E. Plomp, Neodymium isotopes in modern human dental enamel: an exploratory dataset, IsoArch (2021), doi:10.48530/ISOARCH.2021.011
- [6] E. Plomp, J.C. Peterson, [software] EstherPlomp/figures-Nd-data, Zenodo, 2021. doi:10.5281/ZENODO.5150520.
- [7] C. Stantis, [software] stantis/IsoDataVis: first (Official) release, Zenodo, 2021. doi:10.5281/ZENODO.4743734.

Documentation/readme

☰ README.md

Figures-Nd-data

Data and code underlying the figures of the article 'Neodymium isotopes in modern human dental enamel: an exploratory dataset for human provenancing'

Installation

These scripts were generated in R and RStudio (Version 1.4.1717). Required packages: tidyverse.

Installation of the package and loading the data should only take several minutes.

How to use

You should copy both the .Rmd file and the data files to an R project if you want to reproduce the figures. Otherwise, browse the Rmd file and see what is of reuse to you ;)

Output / Figures 1 and 2

Examples of the resulting images are found in the "Images" directory.

Notes

Mind whether you are using . or , in your dataset (see the #remove comma's comments in the scripts).

Contributors

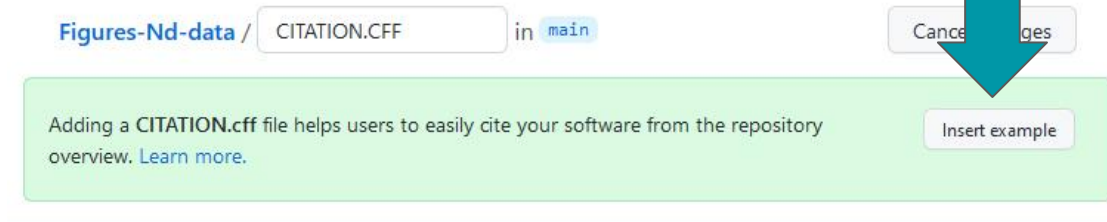
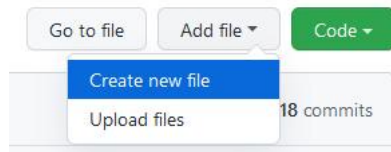
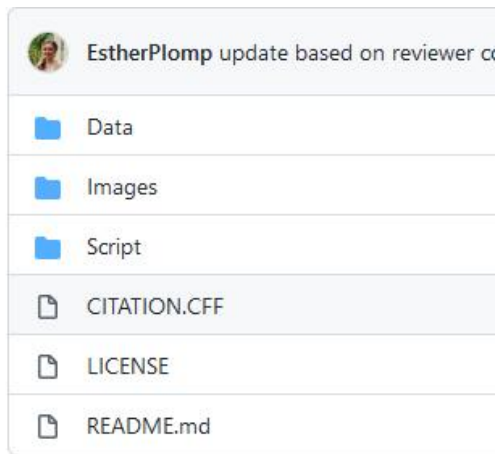
Esther Plomp - [EstherPlomp](#) - 0000-0003-3625-1357 - [@PhDtoothFAIRy](#)

Joshua Peterson - [J-PTRson](#) - 0000-0001-5792-2725

License

This project is licensed under the MIT License - see the LICENSE.md file for details.

Create a CITATION.cff file in your repository, which will provide you with an example template that you can fill in in two minutes.



License	Commercial use	Distribution	Modification	Patent use	Private use	Disclose source	License and copyright notice	Network use is distribution	Same license	State changes	Liability	Trademark use	Warranty
BSD Zero Clause License	●	●	●		●						●		●
Academic Free License v3.0	●	●	●	●	●		●			●	●	●	●
GNU Affero General Public License v3.0	●	●	●	●	●	●	●	●	●	●	●		●
Apache License 2.0	●	●	●	●	●		●			●	●	●	●
Artistic License 2.0	●	●	●	●	●		●			●	●	●	●
BSD 2-Clause "Simplified" License	●	●	●		●		●				●		●
BSD 3-Clause Clear License	●	●	●	●	●		●				●		●
BSD 3-Clause "New" or "Revised" License	●	●	●		●		●				●		●
BSD 4-Clause "Original" or "Old" License	●	●	●		●		●				●		●
Boost Software License 1.0	●	●	●		●		●				●		●
Creative Commons Attribution 4.0 International	●	●	●	●	●		●			●	●	●	●
Creative Commons Attribution Share Alike 4.0 International	●	●	●	●	●		●		●	●	●	●	●
Creative Commons Zero v1.0 Universal	●	●	●	●	●						●	●	●
CeCILL Free Software License Agreement v2.1	●	●	●	●	●	●	●		●		●		●
Educational Community License v2.0	●	●	●	●	●		●			●	●	●	●

Data:

[Creative Commons License Chooser](#)

Software:

[Choose an open source license](#)

<https://choosealicense.com/appendix/>



Choose a license

A license tells others what they can and can't do with your code. [Learn more.](#)

Add a license when you create the repository or create a new file.

Figures-Nd-data /

LICENSE|

in main

Cancel changes

Choose a license template



Getting a persistent identifier

1. Have a repository in mind that you're creating the identifier for
2. Set up an account at [Zenodo](#) (using your GitHub, email or [ORCID](#))
3. Connect GitHub/Zenodo by authorizing Zenodo
4. On Zenodo, go to Settings -> GitHub, then toggle the button on for the repository that you want an identifier for
5. On GitHub: create a new release for your repository (snapshot that will be preserved on Zenodo)
6. On Zenodo: go to the Upload tab and add any additional information before publishing.
7. On GitHub you can update your citation file with the DOI and add a DOI button in your Readme file

DOI [10.5281/zenodo.5150521](https://doi.org/10.5281/zenodo.5150521)

Figures-Nd-data

How to continue?



Setting up an Open Science project using GitHub:



The program  OLS-4  Previous OLS  About  Stories

A grayscale photograph of two women looking intently at a computer screen. The woman on the left is wearing a striped shirt and a lanyard. The woman on the right is wearing a patterned top and a lanyard.

Open Life Science
Sharing - Connecting - Empowering

<https://openlifesci.org/> - Round 5 in ~February

Contribute to The Turing Way

- Check out any [issues](#)
- Join a coworking call on Mondays or the Collaboration Cafe every two weeks on the Wednesday
- You can contact The Turing Way team by emailing theturingway@gmail.com.
- Connect with others and discuss your ideas on Slack using [this invitation link](#).

Sharing your repo during anonymous peer review

[The 5 Best Anonymous File Sharing and Hosting Sites](#)

[Create a View-only Link for a Project](#) (using the Open Science Framework)

[Anonymous GitHub](#)

Useful GitHub resources

Useful GitHub resources (based on

<https://github.com/alan-turing-institute/the-turing-way/blob/master/workshops/github-workshop/2021-05-13-intro-workshop.md>)

- [GitHub for Collaboration \(from Mozilla\)](#)
- [Understanding the GitHub workflow](#)
- [A Friendly Github Intro Workshop \(from Danielle Robinson\)](#)
- [GitHub help](#)
- [Oh Shit, Git!?!](#)
- [Try Git](#)
- [Git book](#)
- [GitHub glossary](#)
- [Writing on Github](#)
- [Markdown Cheatsheet](#)
- [Git workflow](#)

Join this non-code related meeting!

https://docs.google.com/forms/d/e/1FAIpQLSdxv9ORz9lefn7y5v-UmUxFSS-rFxHgDbR_OtewYEmaxcRGNg/viewform

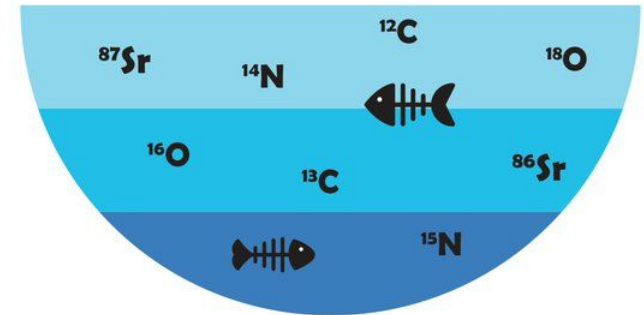
WORKSHOP



SEA, FISH & SUN

Archaeological & isotopic approach
of aquatic resources acquisition

October 29, 2021



Maison Méditerranéenne des Sciences de l'Homme, Aix-en-Provence, France

Simultaneous diffusion on ZOOM

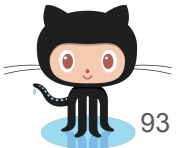
REGISTRATION : <https://tinyurl.com/SeaFishandSunRegistration>

Happy Making!



Thanks!

Extra stuff



Create a website


- Share things simply
- Invite people interested in your project to collaborate
- Be open about the project status and invite fixes
- Branding: decide what you communicate to people instead of them finding out through other platforms

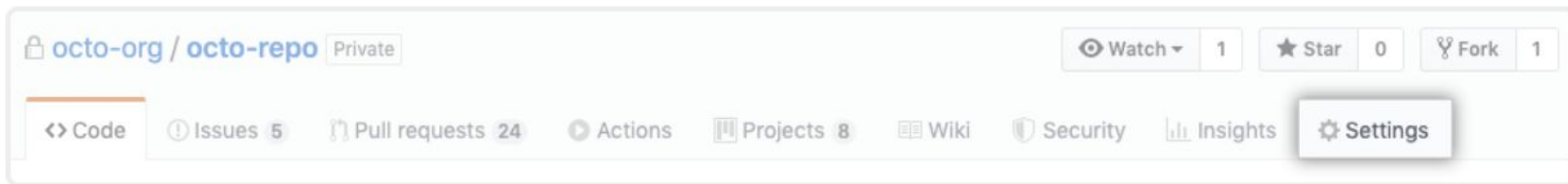


Working with GitHub Pages

- A static site hosting service that takes HTML (or related) files straight from a repository on GitHub
- You can host your site on GitHub's **github.io** domain or your own custom domain

Creating your site

Under your repository name, click  **Settings**.



Reference: <https://help.github.com/en/github/working-with-github-pages/creating-a-github-pages-site>

See examples

- Simple Theme:

https://github.com/malvikasharan/developing_collaborative_document

- Advanced websites using Hugo: <https://sgibson91.github.io/> /

<https://themes.gohugo.io>

- Advanced websites using Jekyll: <https://openlifesci.org/>

- Choose from many free and open source templates



ESTHER PLOMP

OPEN SCIENCE / RESEARCH DATA MANAGEMENT / HUMAN OSTEOLOGY / ISOTOPE ARCHAEOLOGY

I'm an Open Science enthusiast and I would like to contribute to a more equitable way of knowledge generation and facilitate others in working more transparently. My research interests are osteology/bioarchaeology. I like to listen/read books (see [this Twitter thread](#) for some titles), dance, draw and game (Guildwars 2) when I'm not eating pie with friends/family.

Please get in touch about any ideas for collaboration, speaking opportunities, mentorship or to send me some cat pictures via the channels below:



ABOUT ME
ROLES
OUTPUTS
TALKS
BLOGS
LEADERSHIP
COPYRIGHT

To load the proper files, change the dist directory to docs and change the directory in GitHub pages to docs.

<https://github.com/StartBootstrap/startbootstrap-resume>

Download and Installation

To begin using this template, choose one of the following options to get started:

- [Download the latest release on Start Bootstrap](#)
- Install using npm: `npm i startbootstrap-resume`
- Clone the repo: `git clone https://github.com/StartBootstrap/startbootstrap-resume.git`
- [Fork, Clone, or Download on GitHub](#)

Contribute

<https://github.com/benmarwick/ctv-archaeology>

CRAN Task View: Archaeological Science

- Check the Readme to see how you can contribute, for example:
 - Add a paper with R code to the overview
 - Add a resource (see the Readme for an overview)



Contribute

The Turing Way ([hacktoberfest](#) issues/PRs!)

<https://github.com/alan-turing-institute/the-turing-way/issues/2108> (fix headers with markdown)

<https://github.com/alan-turing-institute/the-turing-way/issues/2107> (translate the Turing Way readme file)



Connect RStudio to Git and GitHub

- [WORCS, Workflow for Open Reproducible Code in Science](#) (longer presentation involving the [broader context that WORCS fit in here](#))
- <https://happygitwithr.com/rstudio-git-github.html>
- [How to Use Git/GitHub with R](#)
- <https://github.com/jstbcs/ReproducibleWorkflowWorkshop>



Address an issue - 1

<https://github.com/EstherPlomp/TNW-PhD-Newsletters/blob/main/Newsletters/20211006-n20.md>

Software

You can:

- 1) fix the issue
- 2) Let me know what I can do to write a clearer issue through a comment

- In September '[SeptembRSE](#)' took place. This was the Fifth Conference of Research Software Engineers. Recordings of the sessions are [available on YouTube](#). See for example the workshop on [software design and sustainability](#) (starts at 8 min, with the more practical part at 1.20-2.14 and the coding/interactive part at the end), the discussion session on [software testing](#), the panel on '[missing narratives in discussions around diversity and inclusion in research software](#)', and a session on the [different aspects of the RSE roles](#).
- Hesitant about [sharing your software/code](#)? This [Twitter thread by Colin Angus](#) highlights the benefits.
- Doubting whether your [software is ready to be published](#) in the Journal of Open Source Software? [Read a blogpost about to know for sure].
- Python:

Link not working in newsletter 20 #1

Open EstherPlomp opened this issue 4 minutes ago · 0 comments



EstherPlomp commented 4 minutes ago

Owner 😊 ...

The link to the blogpost about the Journal of Open Source Software is not working!

The link should be: <http://pdebuyl.be/blog/2021/joss-ready.html>

<https://github.com/EstherPlomp/TNW-PhD-Newsletters/issues/1>

