



Future Collaborations in GitHub

Eleanor Sparling

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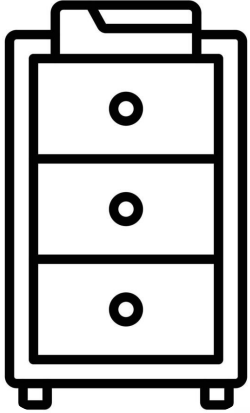
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A trip down memory lane...

.... A history of version control



my_code_v1.0
my_code_v1.2
my_code_v1.999

What actually is GitHub?

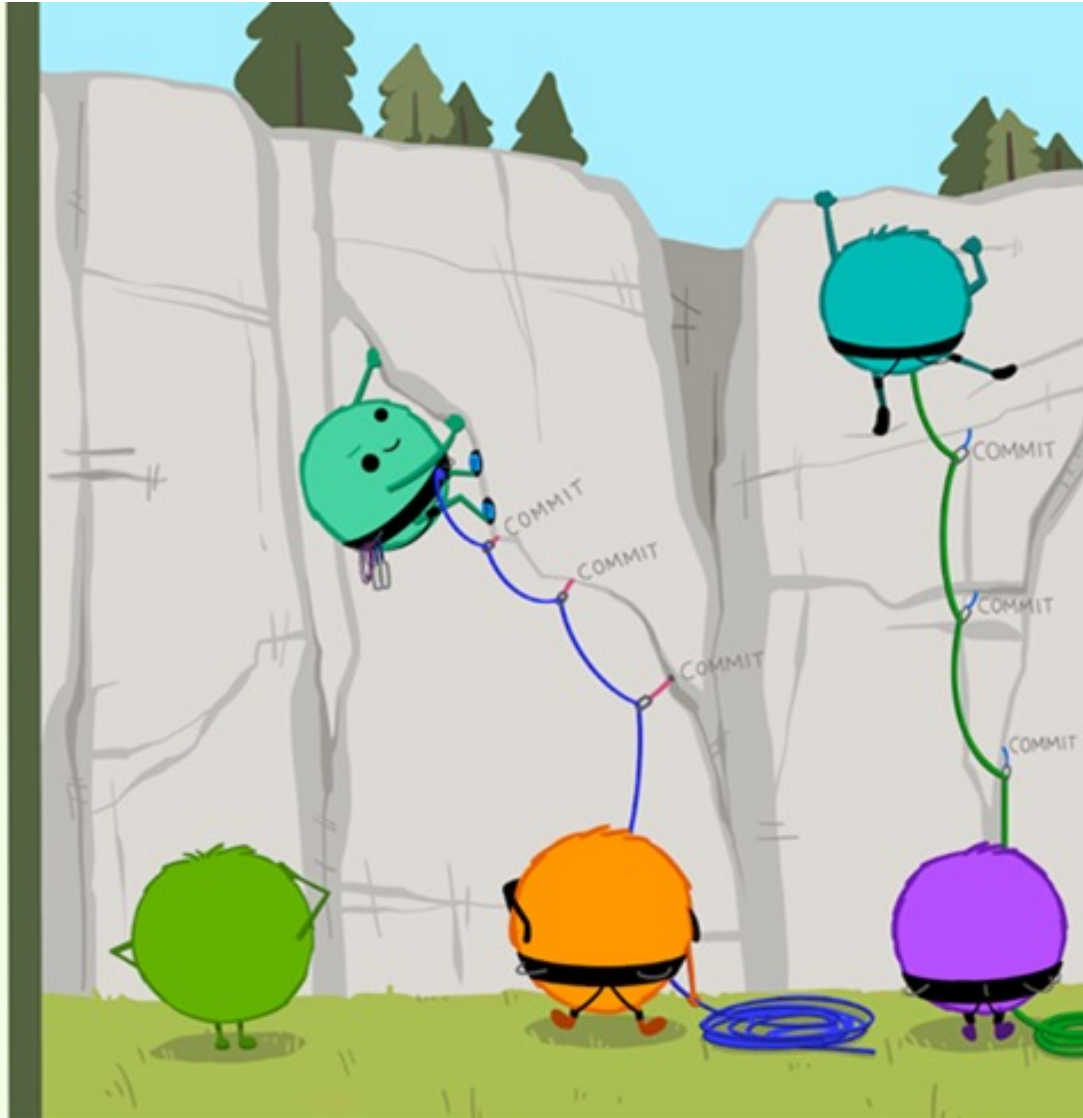


Using a Git commit is like using anchors and other protection when climbing...**if you make a mistake, you can't fall past the previous commit.**

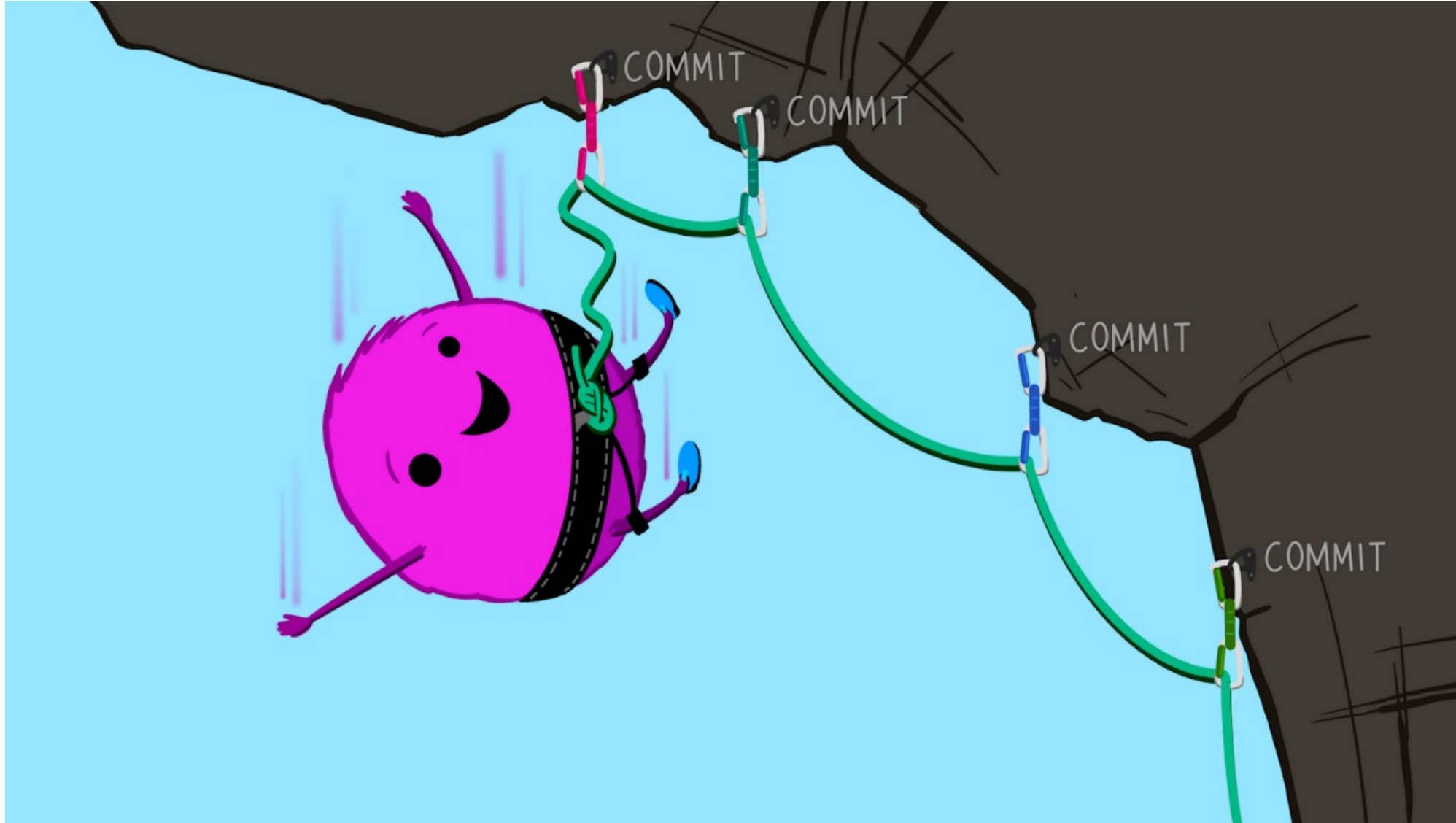
Commits are also helpful to others, because **they show your journey, not just the destination.**”

— HADLEY WICKHAM & JENNY BRYAN

Wickham & Bryan, RPackages (<https://r-packages.org/preface.html>)



What actually is GitHub?

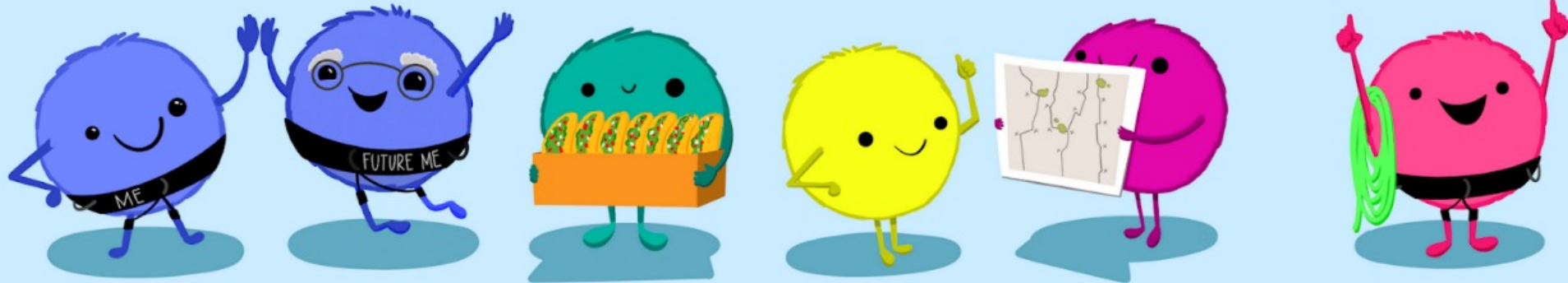


[GitHub for supporting, reusing, contributing, and failing safely \(openscapes.org\)](https://openscapes.org/)

What actually is GitHub?

“**Collaboration is the most compelling reason to manage a project with Git and GitHub.** My definition of collaboration includes hands-on participation by multiple people, including your past and future self, as well as an asymmetric model, in which some people are active makers and others only read or review.”

-JENNY BRYAN



Bryan, J. 2017. Excuse me, do you have a moment to talk about version control? PeerJ Preprints. 5:e3159v2. DOI: 10.7287/peerj.preprints.3159v2

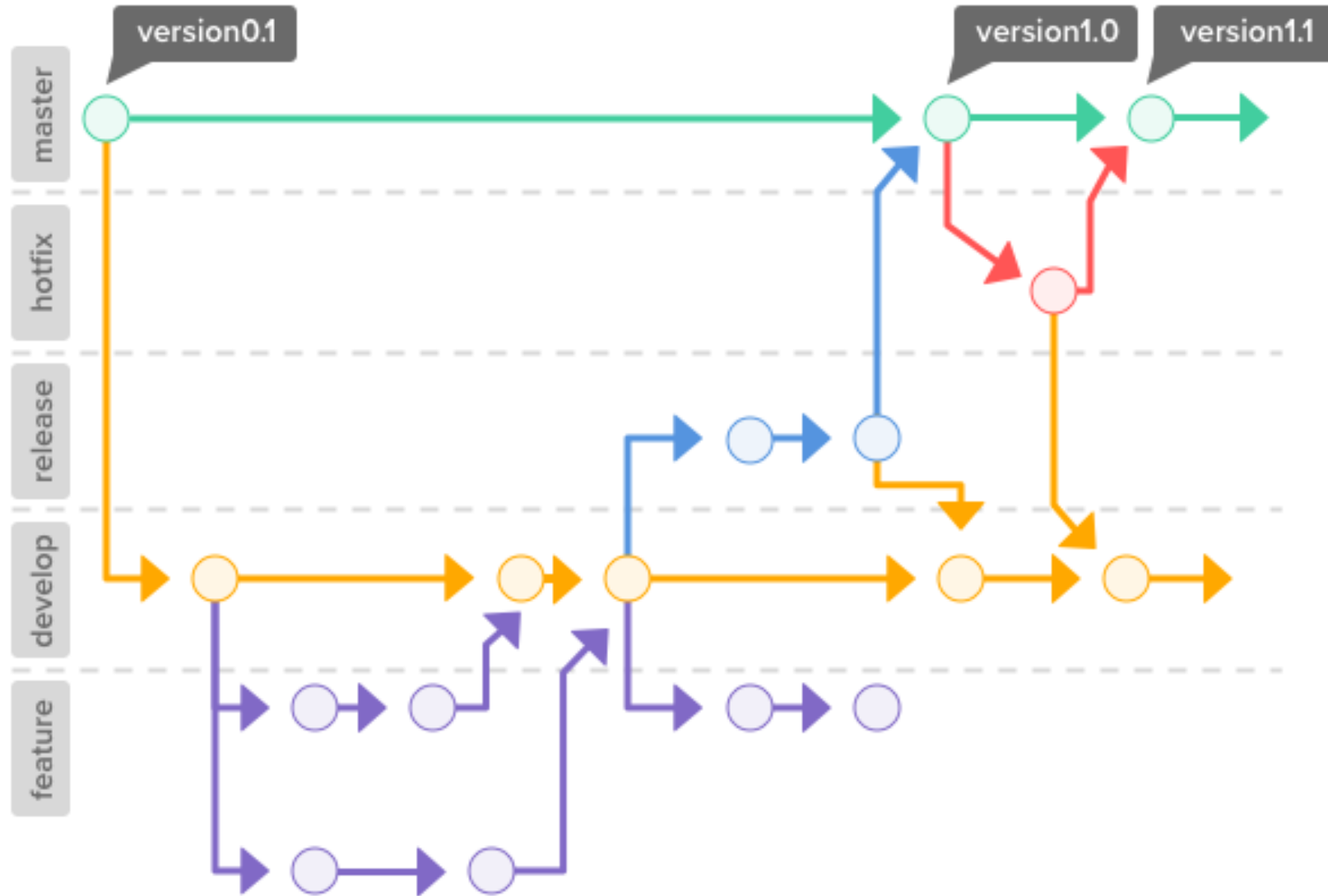
What actually is GitHub?



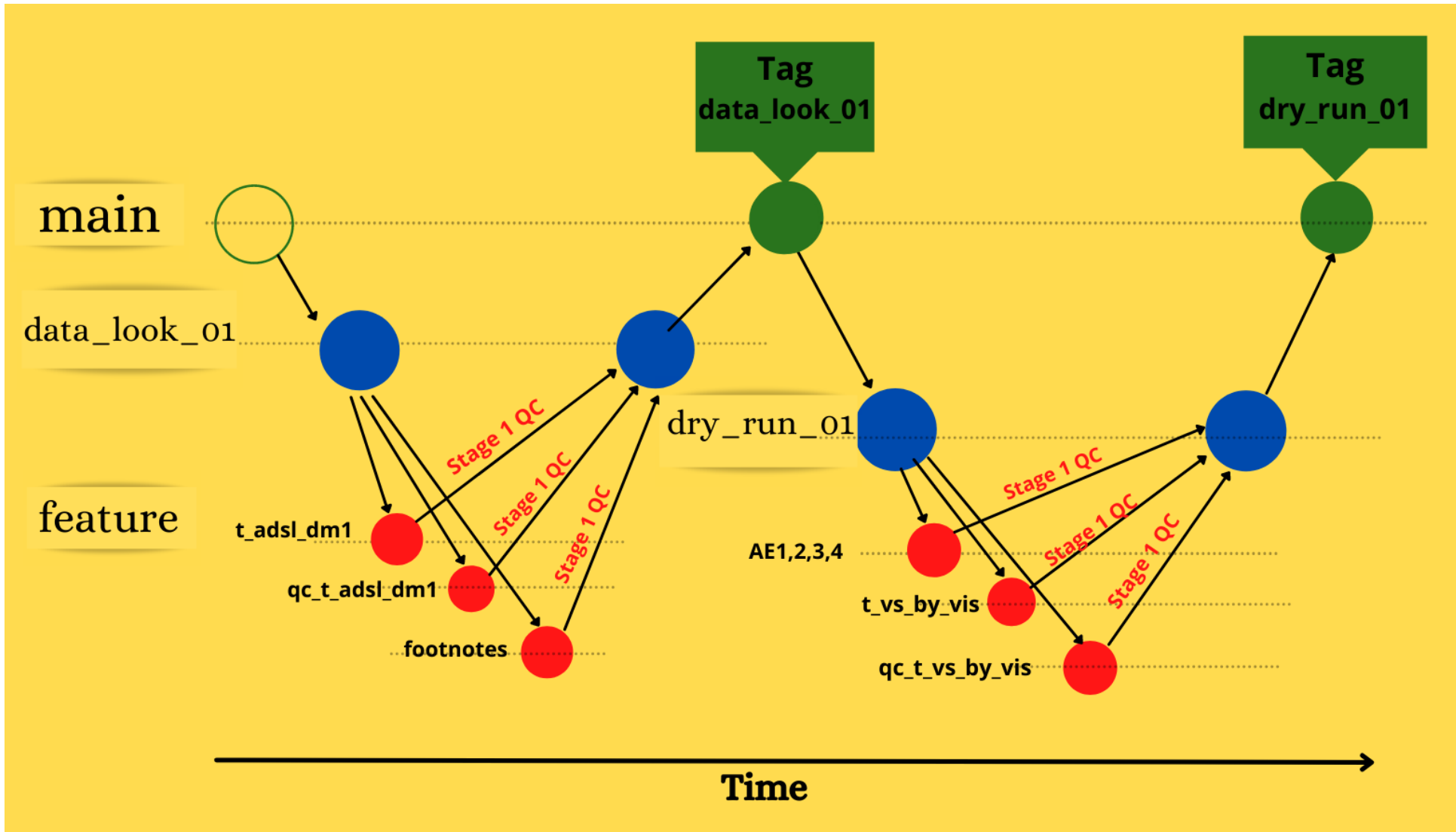
Square Peg in a Round Hole?



Possible Branching Models



Possible Branching Models



Bespoke Automated Workflows



GitHub Actions

[Using GitHub Actions to Run Automated Tests - TestProject](#)



**All checks have passed**
3 successful checks

[Hide all checks](#)

	 separate-jobs / unit-tests (pull_request) Successful in 18s	Details
	 single-job / combined-tests (pull_request) Successful in 1m	Details
	 separate-jobs / integration-tests (pull_request) Successful in 1m	Details

**This branch has no conflicts with the base branch**
Merging can be performed automatically.

Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).



**All checks have failed**
1 failing check

[Hide all checks](#)

	 pull-request / build (pull_request) Failing after 19s — build	Required Details
---	--	---

**Required statuses must pass before merging**
All required [statuses](#) and check runs on this pull request must run successfully to enable automatic merging.

Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

The Future of QC?

admiral (test/data, dev, ci, template, core)

Board | List | View 4

Filter by keyword or by field

Backlog 44

- admiral #1947
General Issue: Browse Hackathon Code
tags: advanced, concept, discussion, general issue, tester feedback
- admiral #1941
Formalise distinction between authors and contributors, update on website
tags: documentation, general issue, release Q3-2023
- admiraldev #277
Documentation: How to use Debugging Tools in Posit IDE
tag: documentation
- admiraltemplate #25
Feature Request: Use cookiecutter for faster extension bootstrapping

Priority 26

- admiralci #123
Add Edoardo to CRAN Status check
- admiraldev #61
General Issue: Clarify process for assigning authors and contributors in Description File
tag: release Q3-2023
- admiral #1466
General Issue: Increase Test Coverage for `duplicates.R`
tags: general issue, good first issue
- admiral #1402
Documentation: Explore better way to show default arguments where some internal derivation needed
tag: documentation

In Progress 17

- admiraldev #267
Documentation: Squash and Merge, Issues Numbers and Commit Messages
tags: documentation, release Q3-2023
- admiral #379
Create CO to Parent domain join function
tags: concept, programming
- admiralci #100
General: evaluate the use of GitHub Codespaces to provide a standard environment for admiral development
tag: enhancement
- admiral #1590
General Issue: Implement a roxygen roclet to improve documentation
tags: discussion, documentation, general issue

In Review 2

- admiral #1228
Feature Request: Produce BMI records for more visits with `derive_param_bmi()`
tags: enhancement, programming, release Q3-2023
- admiraldata #1
Initial setup of test data
tag: pkg setup: Phase 1



Thank you!