

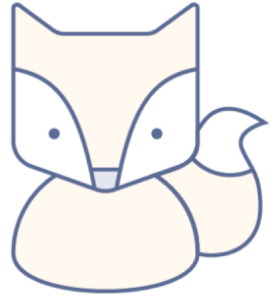


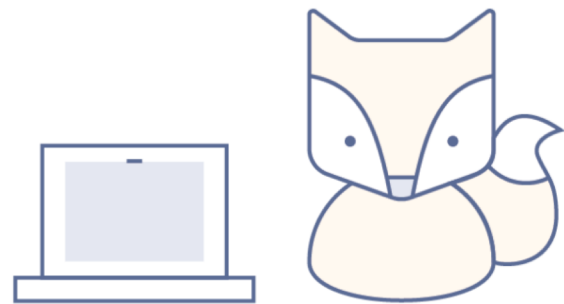
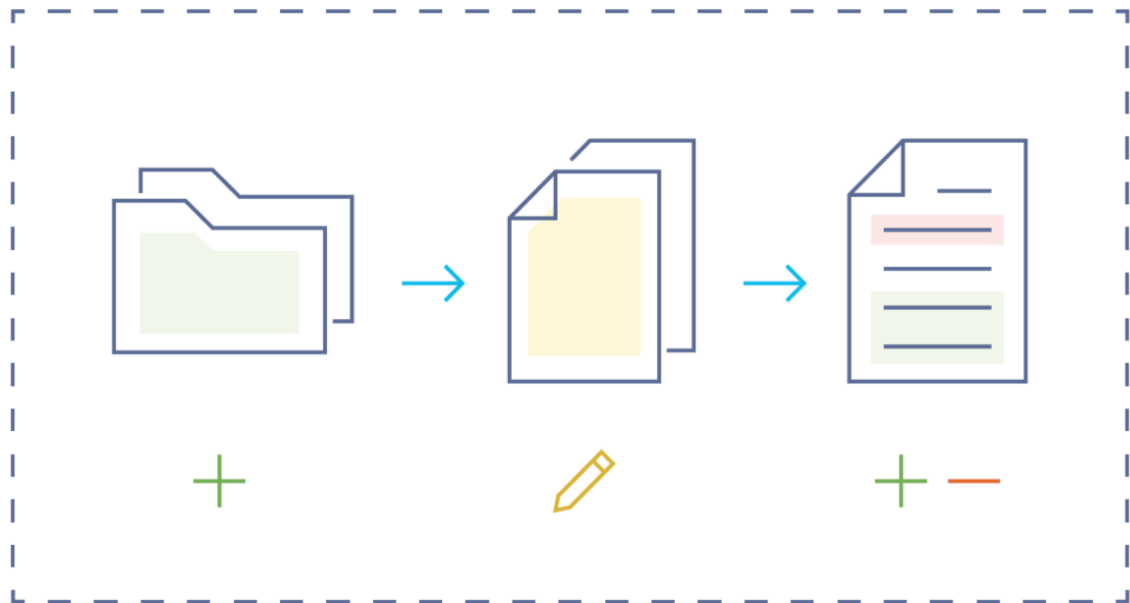
time travel with your code

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REPOSITORY (OR REPO)







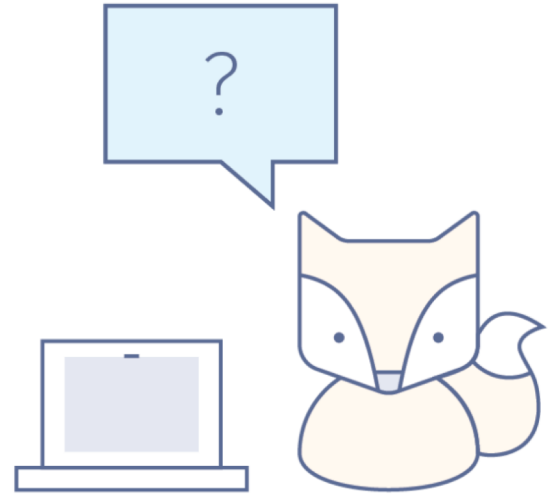
`work-copy.js`



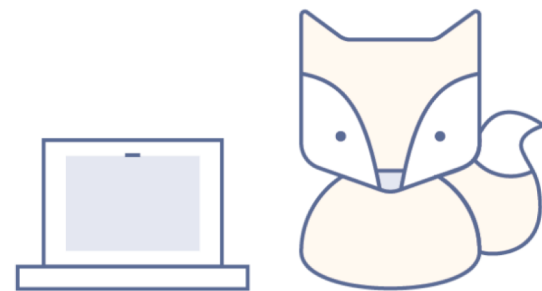
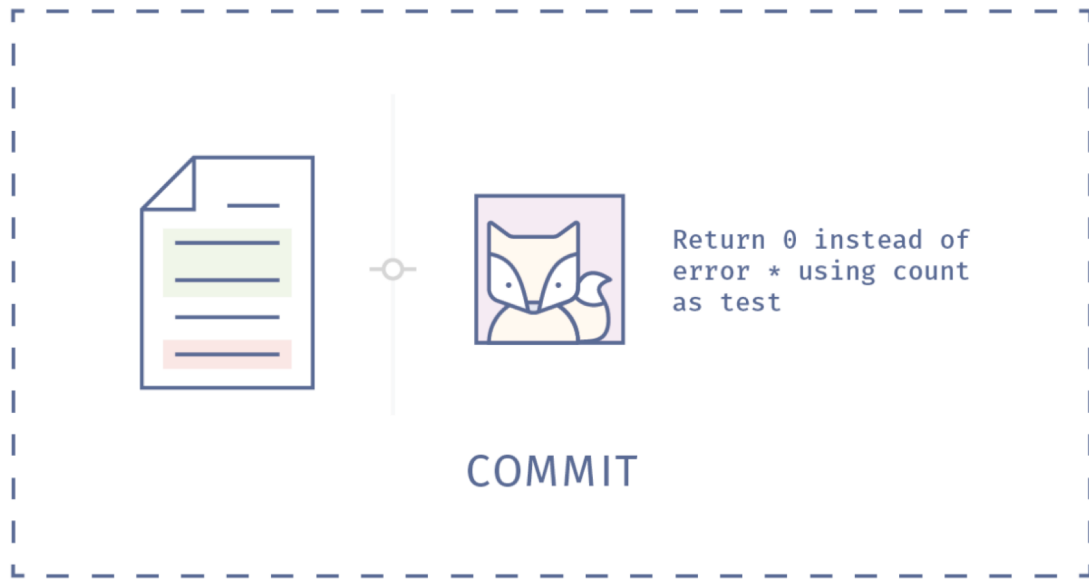
`work-copy-filter.js`

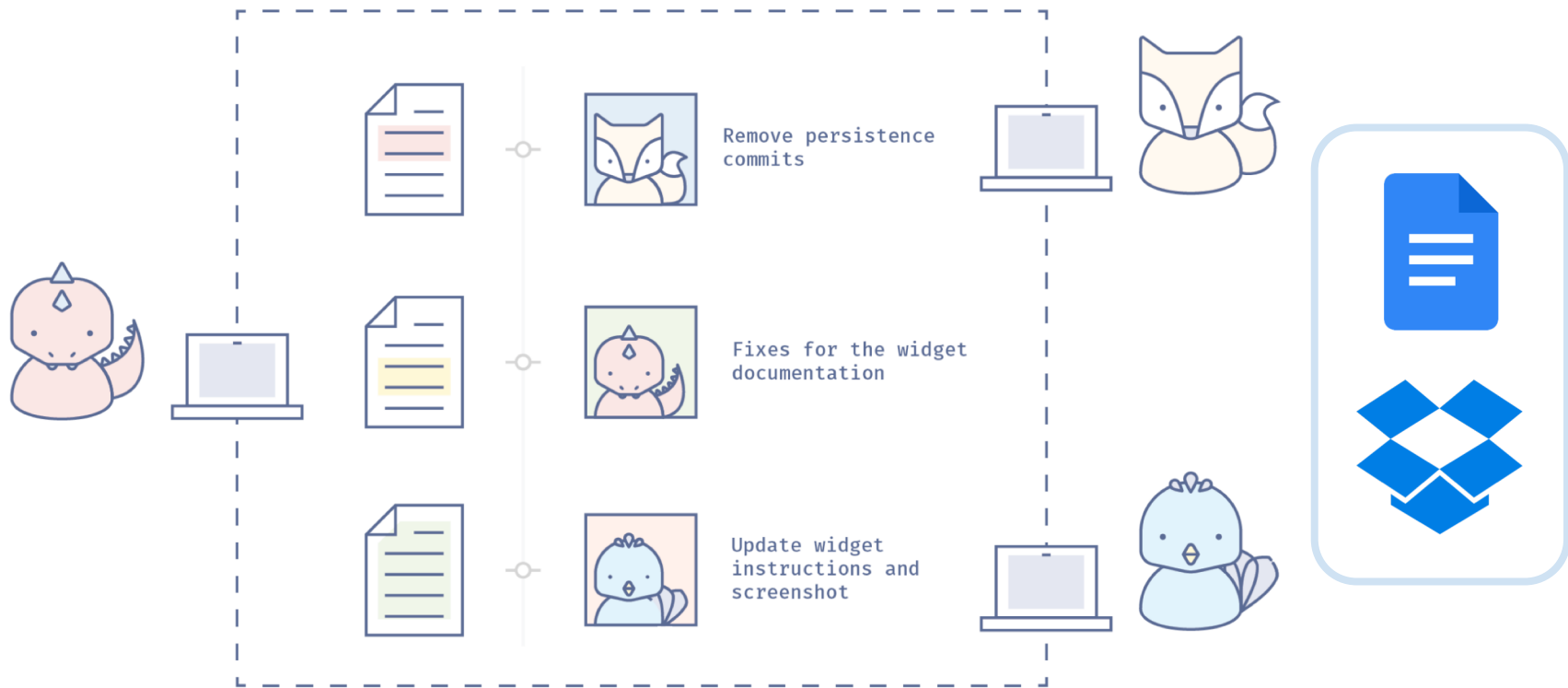


`work-copy-count.js`











`git add <file>`



stage area



`git reset HEAD <file>`

stage area





stage area

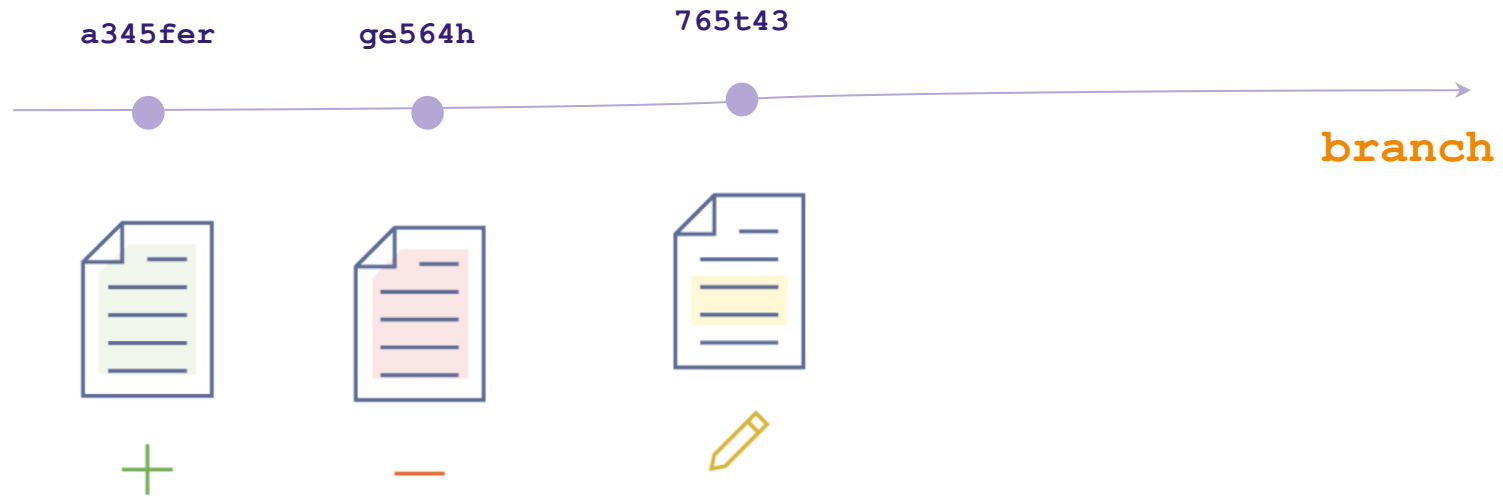


```
git commit -m <message>
```

a345fer

a345fer





best practices - committing -

- ✓ Write **short messages** with **action verbs** (e.g., "fix import data code")
- ✓ Try to commit every saved change, or **group saved changes by theme** (e.g., when adding a reference to a manuscript, this change only makes sense when the citation is committed as well)
- ✓ Add emojis for fun and quick reference! [<gitmoji.dev>](https://gitmoji.dev)
- ✓ Attention to **large files** ⚠



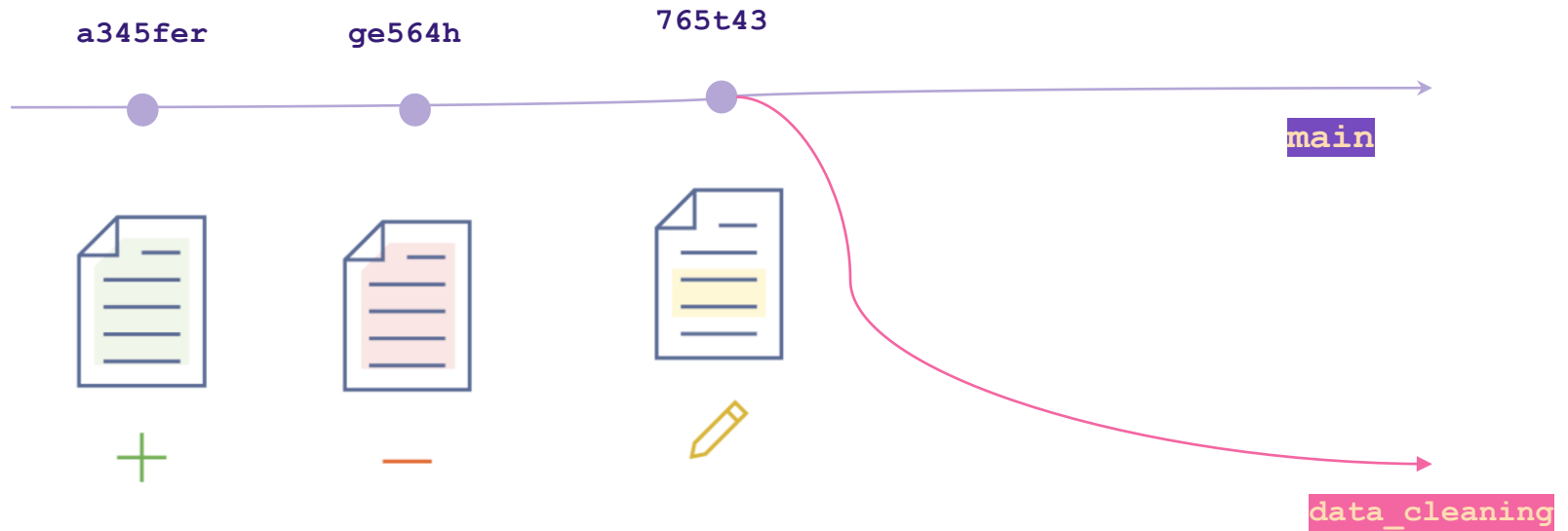


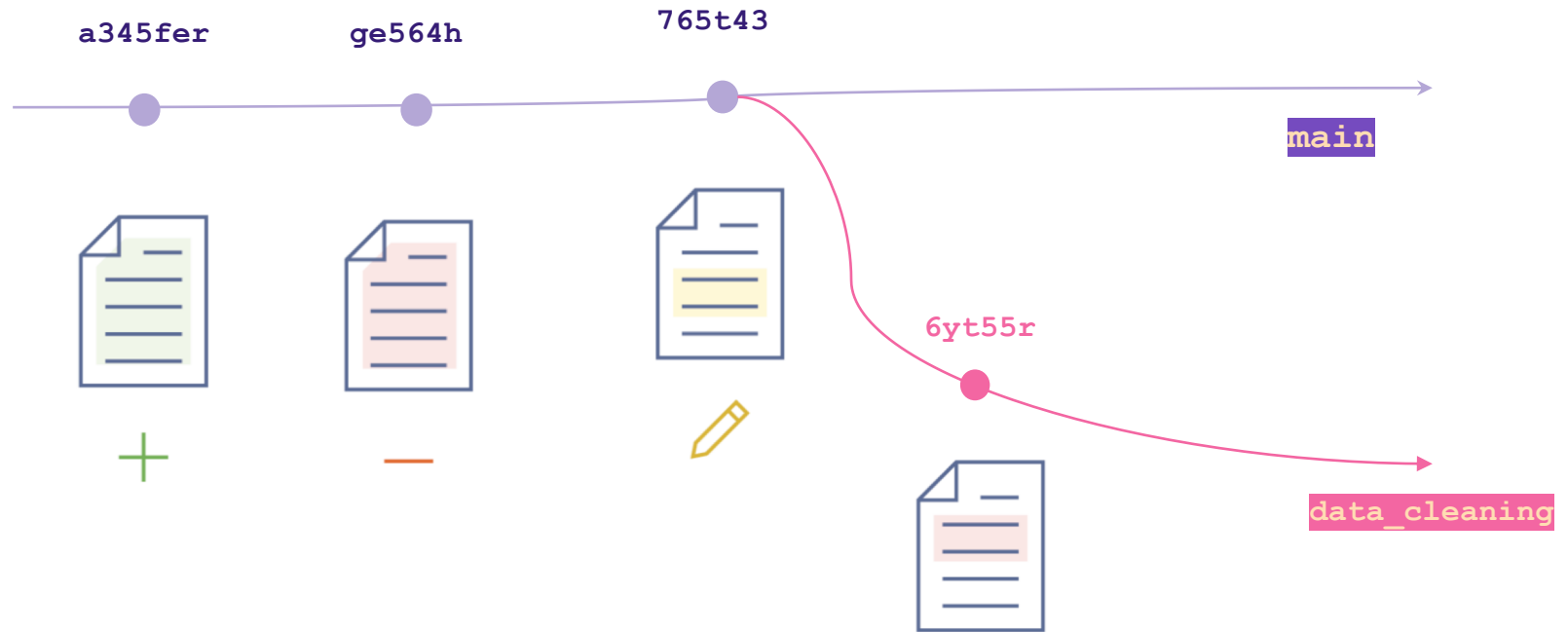
best practices

- push & pull -

- ✓ Always start your day with `git pull`!
- ✓ Always finish your day with `git push`!
- ✓ Don't wait until the end of your day to push...
- ✓ **Push & pull as often as possible**

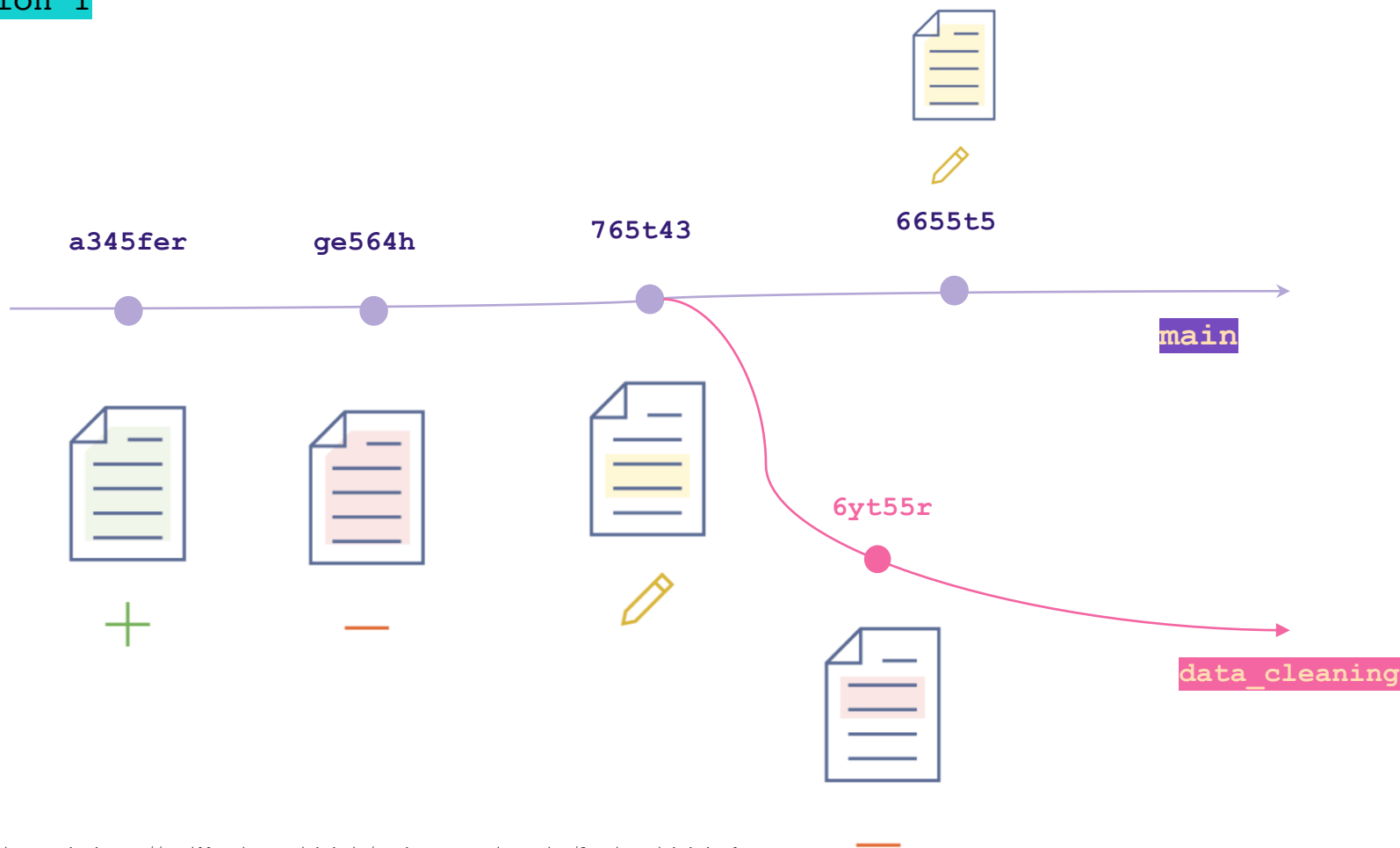






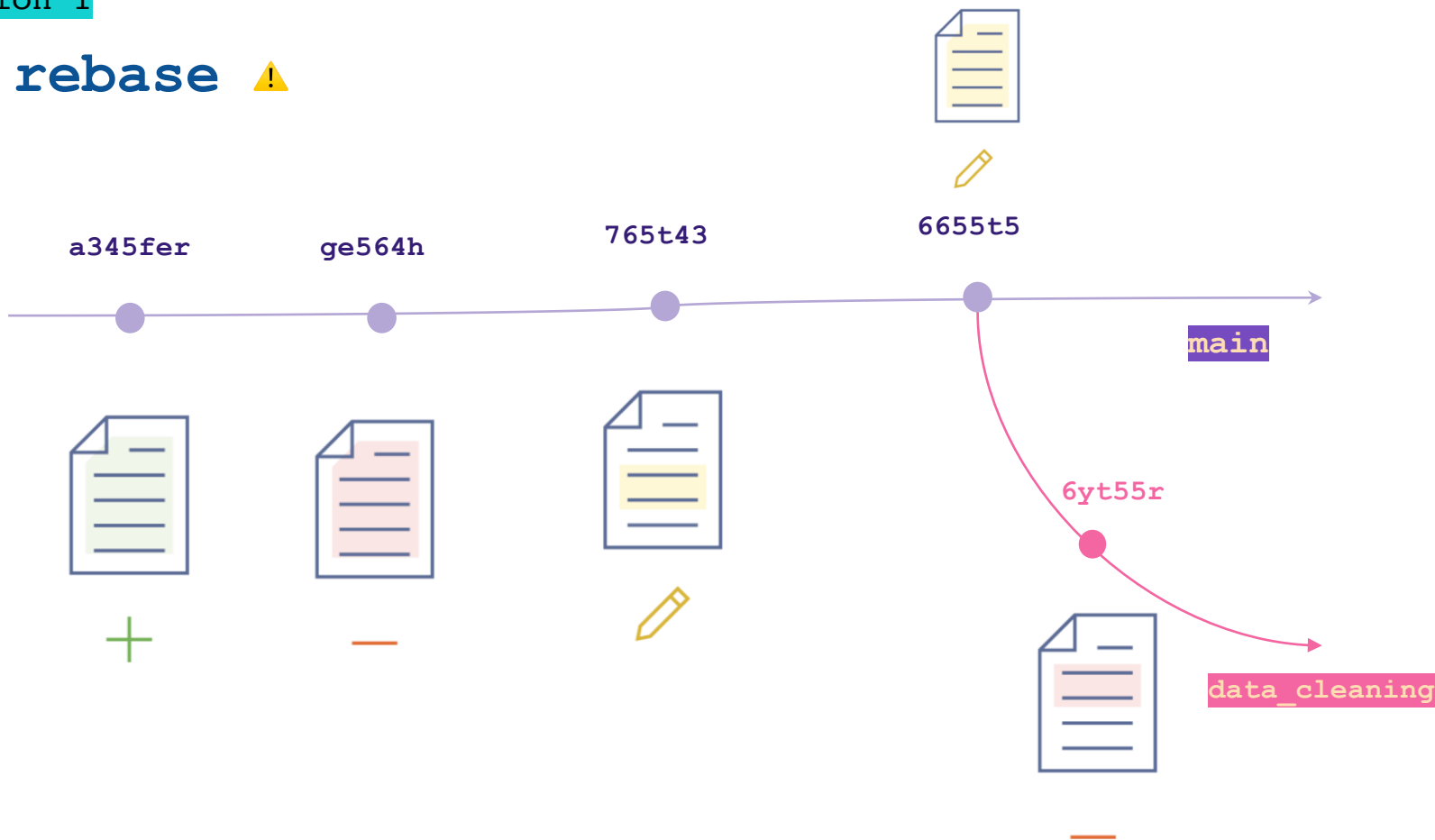
now we'll have
real fun!

Situation 1

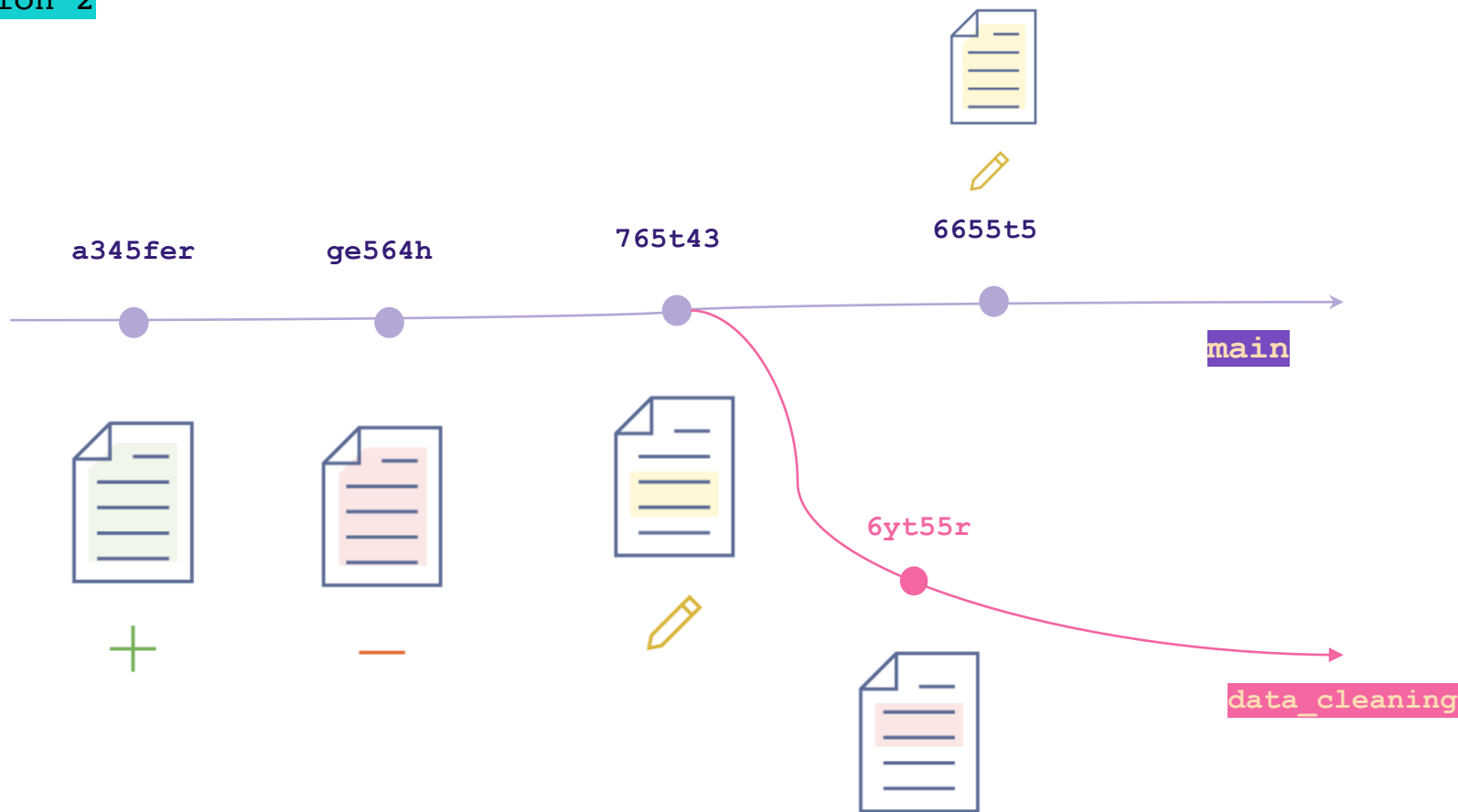


Situation 1

git rebase ⚠

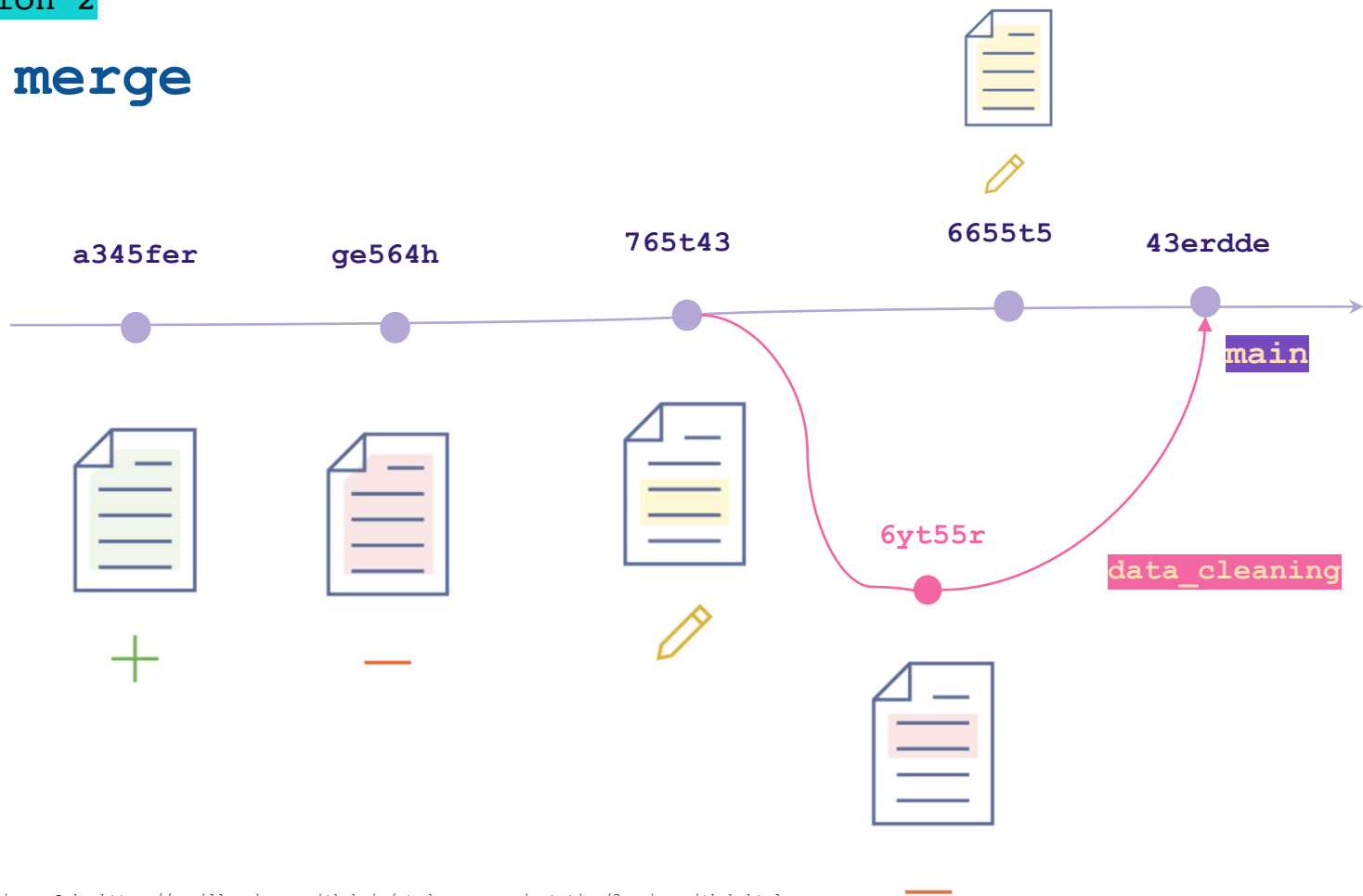


Situation 2



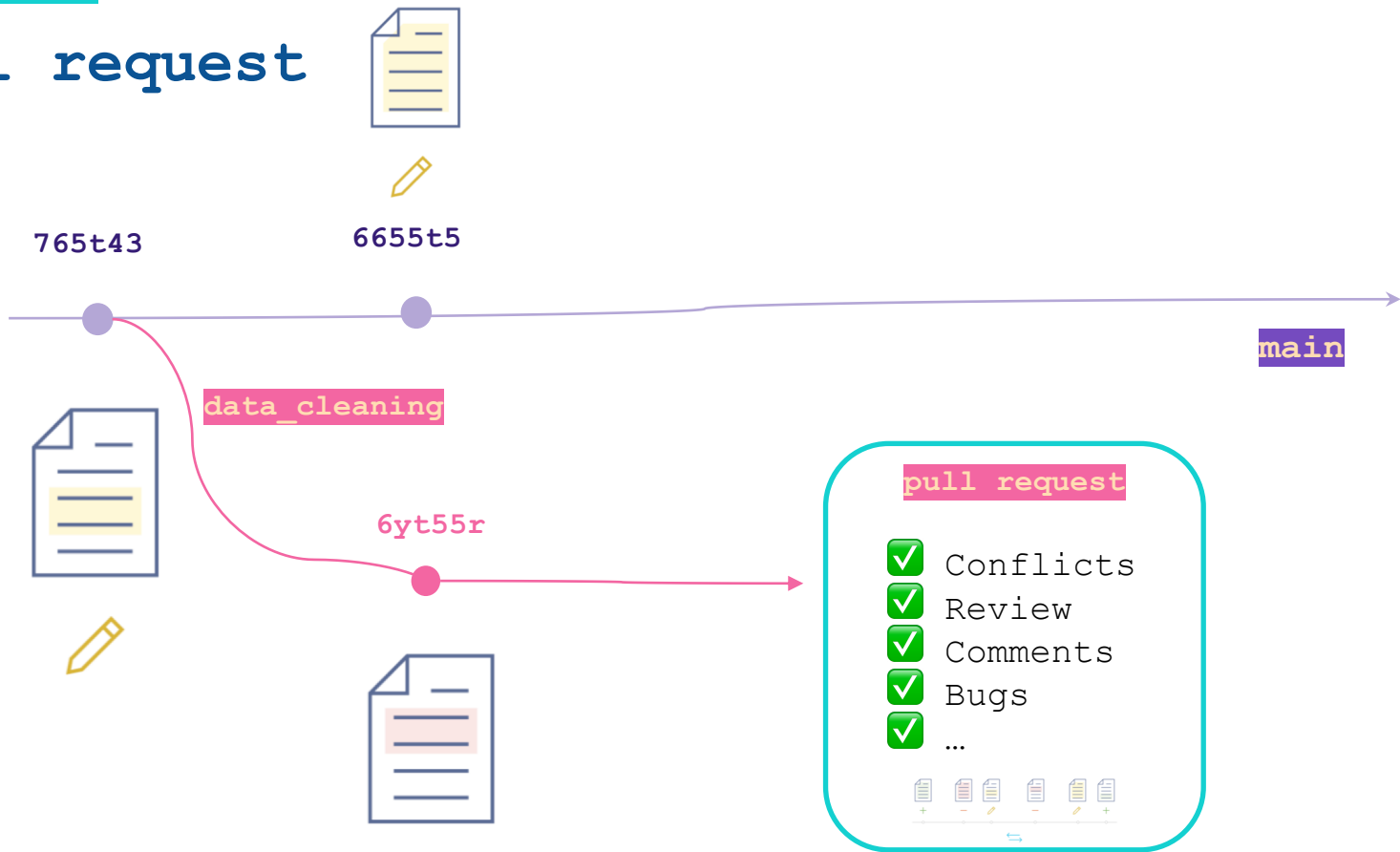
Situation 2

git merge



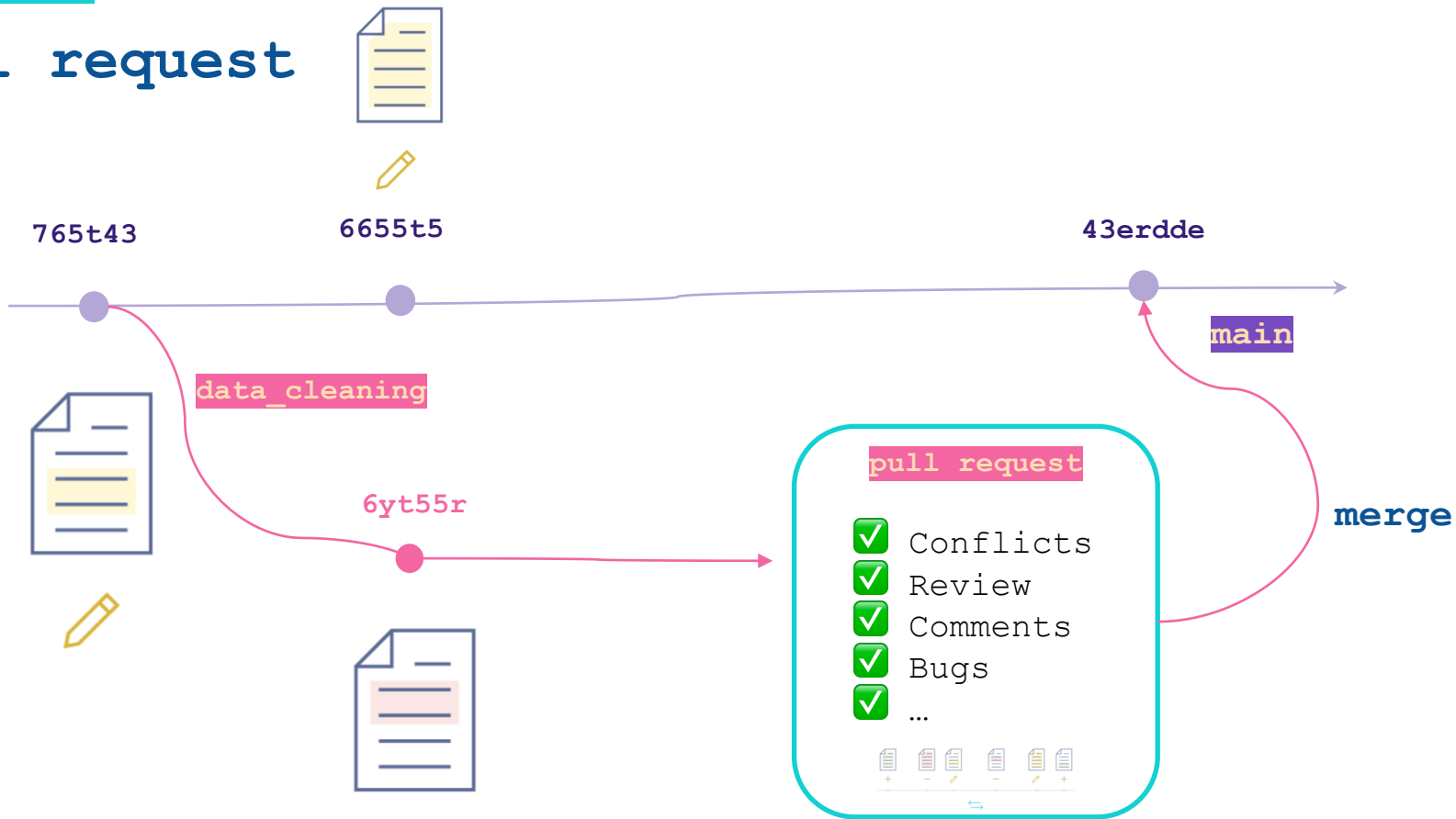
Situation 3

pull request



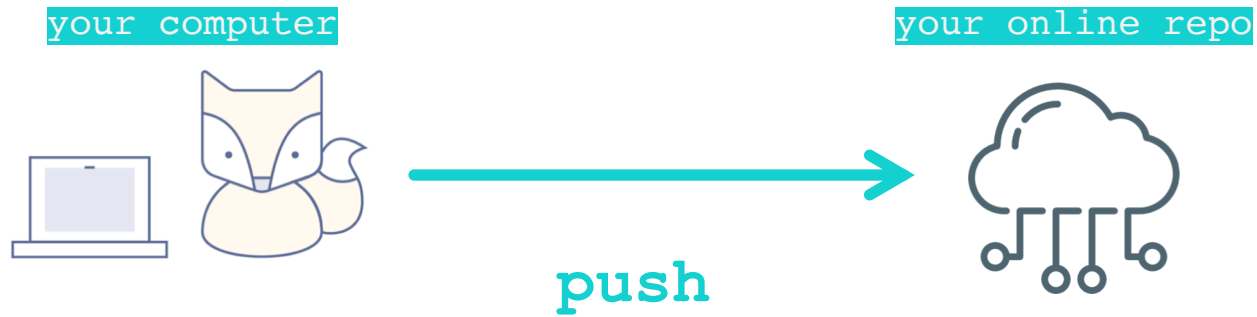
Situation 3

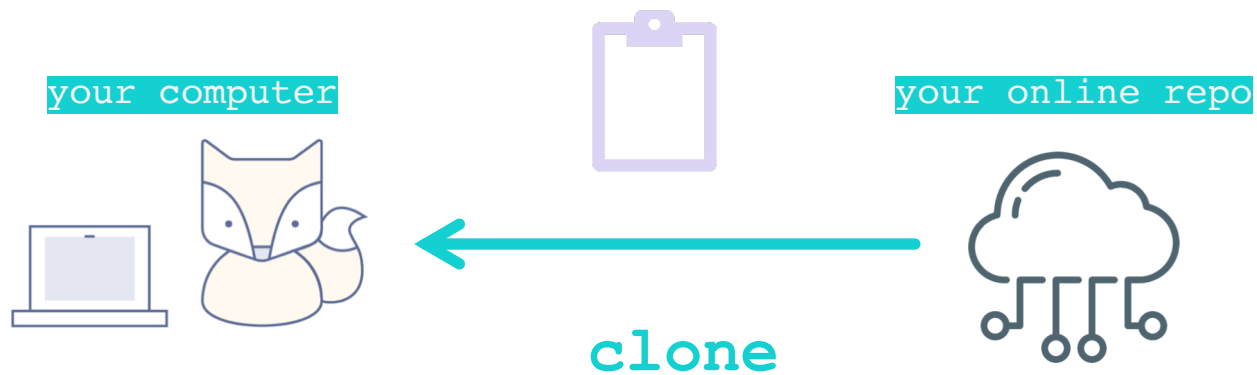
pull request



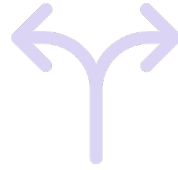
best practices - branching -

- ✓ Use the **main** branch only for **fundamental changes**
- ✓ When working on teams, **have a convention** for naming the branches (you can “nest” branches using / - e.g.: INTRO/ecological_niche)
- ✓ **Pull requests are safer!** Only merge final changes.
- ✓ **Always branch to test new things** - never do it on the main





other people's online repo



your online repo



fork

other people's online repo

your online repo



pull
request



other people's online repo

your online repo



pull request

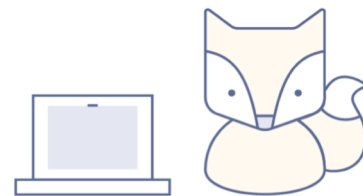
fork

pull

push

your computer

clone



Git +
R (Studio)

GitHub

tour