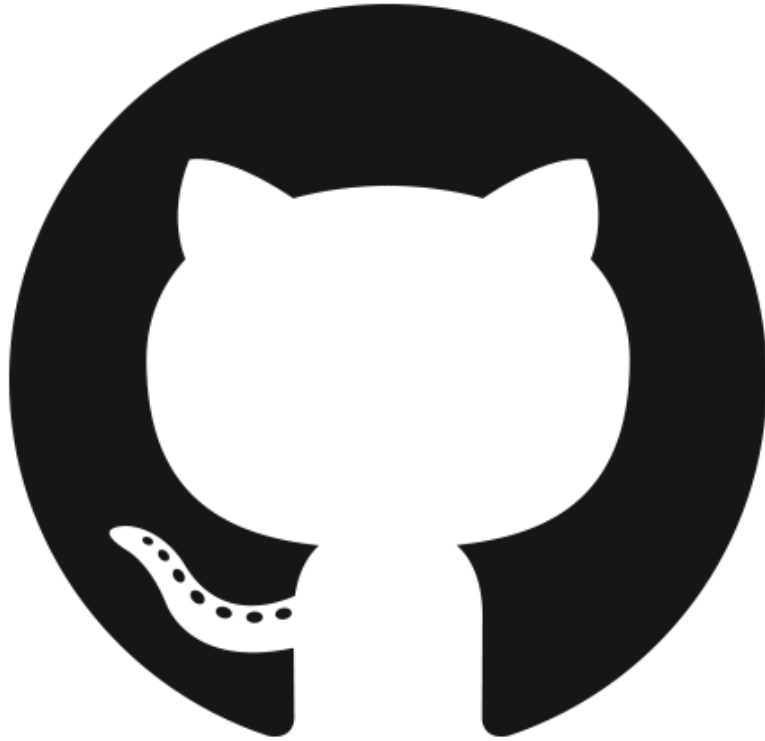
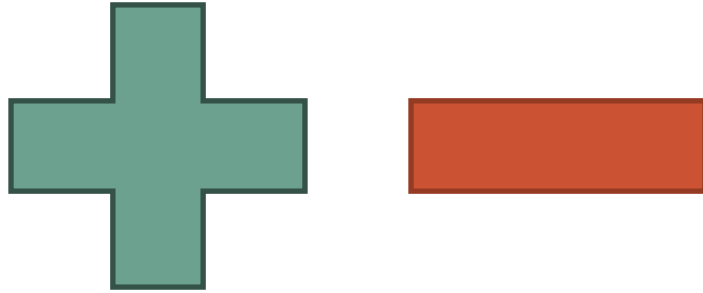


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How I Learned
to Stop
Worrying and
Love to Git

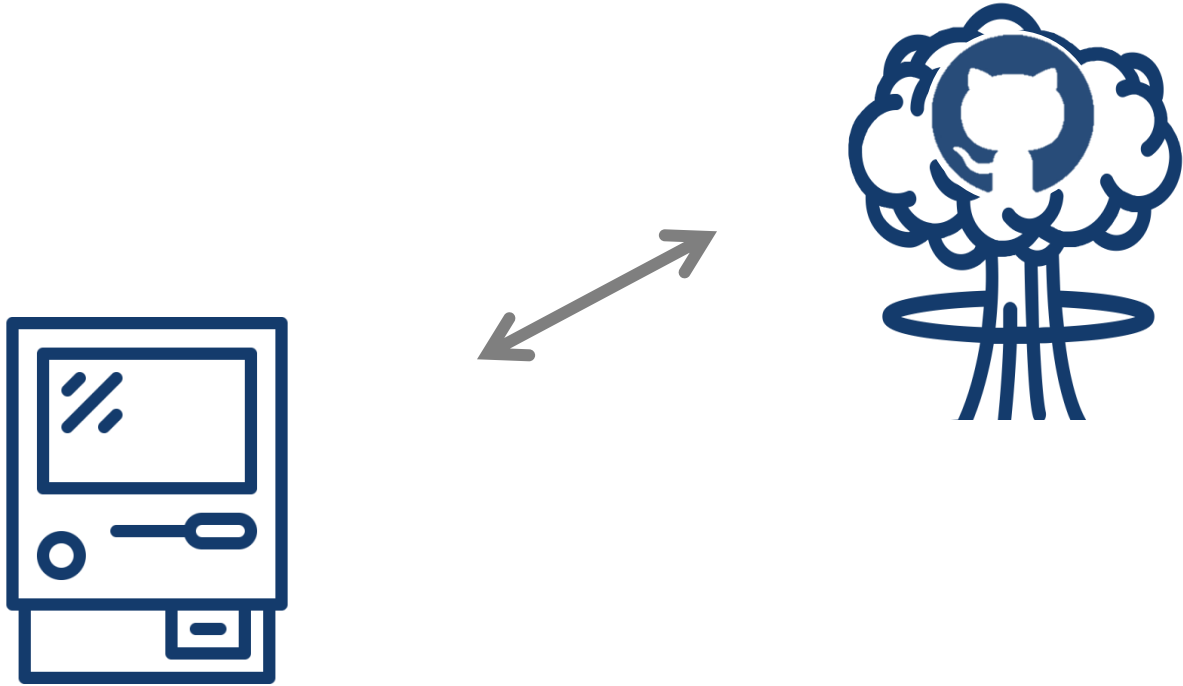




What is GitHub?



But really, it's all about that git



Where do my files live?

a Reduces barriers to collaboration

b Provides a form of back up

c Captures project evolution

d Experiment without fear

e Commit to transparency

Why am I doing this?



**Your local
repo**



Landscape



**Your GitHub
repo**



Landscape



**Your GitHub
repo**



**Your local
repo**



Landscape



**Other GitHub
repo**

**Your GitHub
repo**



**Your local
repo**



Landscape



**Other GitHub
repo**

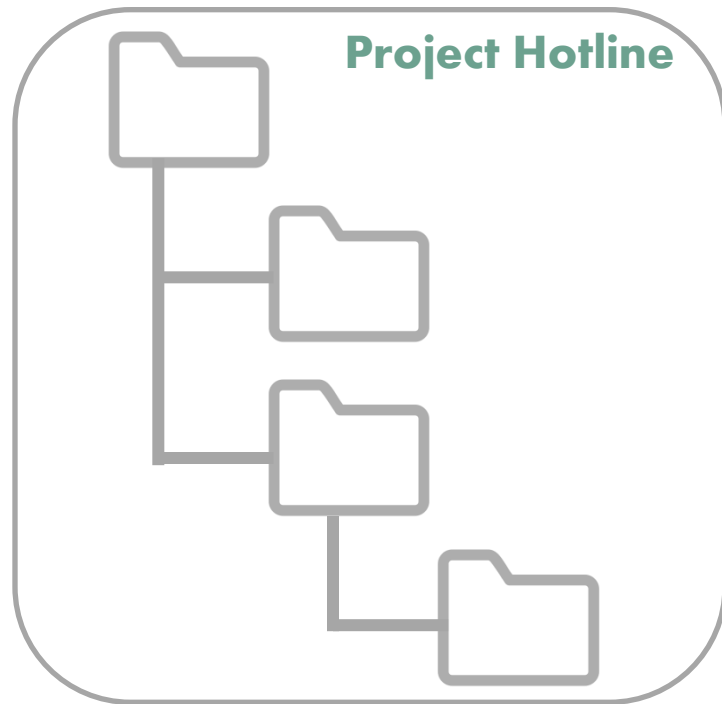
**Your GitHub
repo**



**Your local
repo**

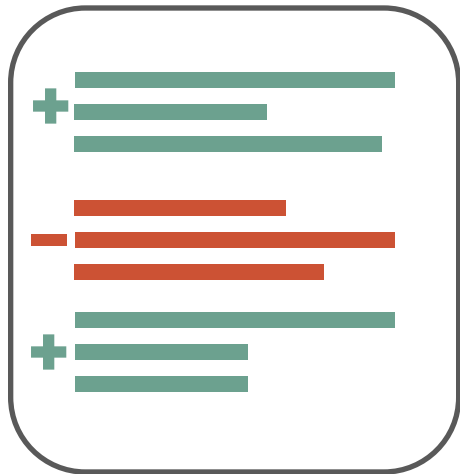


Landscape



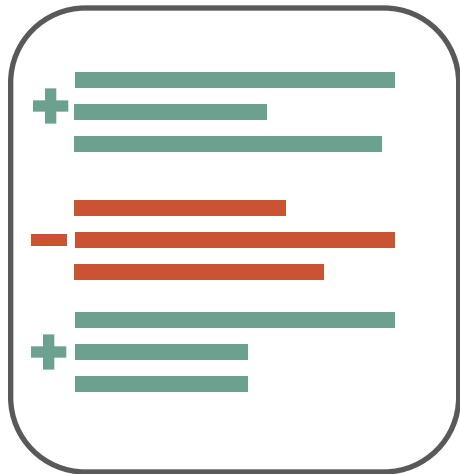
repository

Terminology



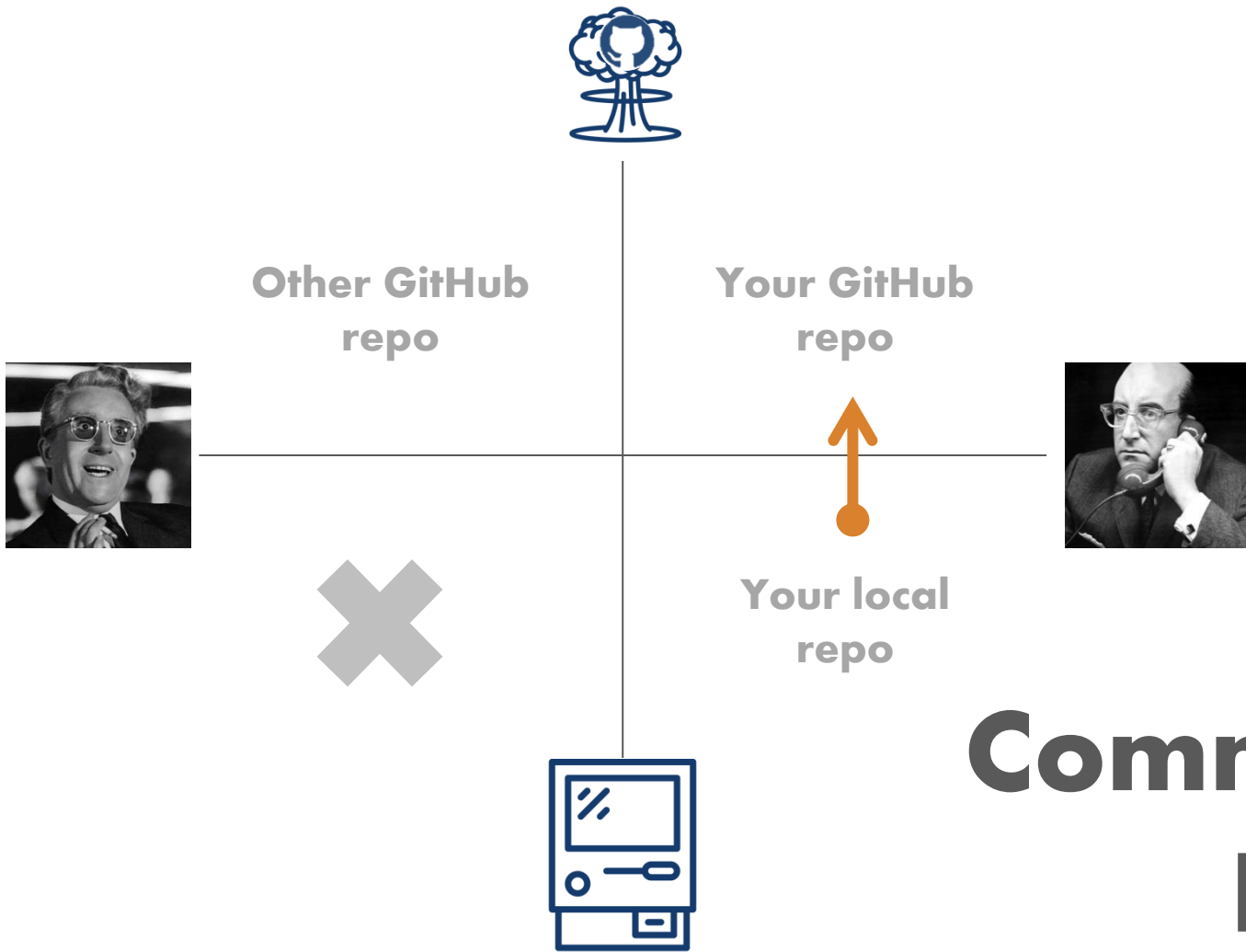
commit

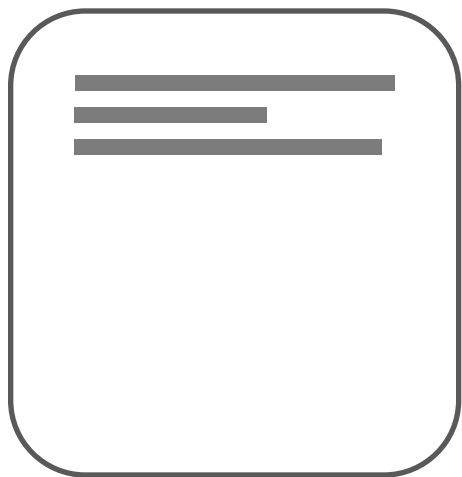
Terminology



push

Terminology





pull

Terminology



**Other GitHub
repo**

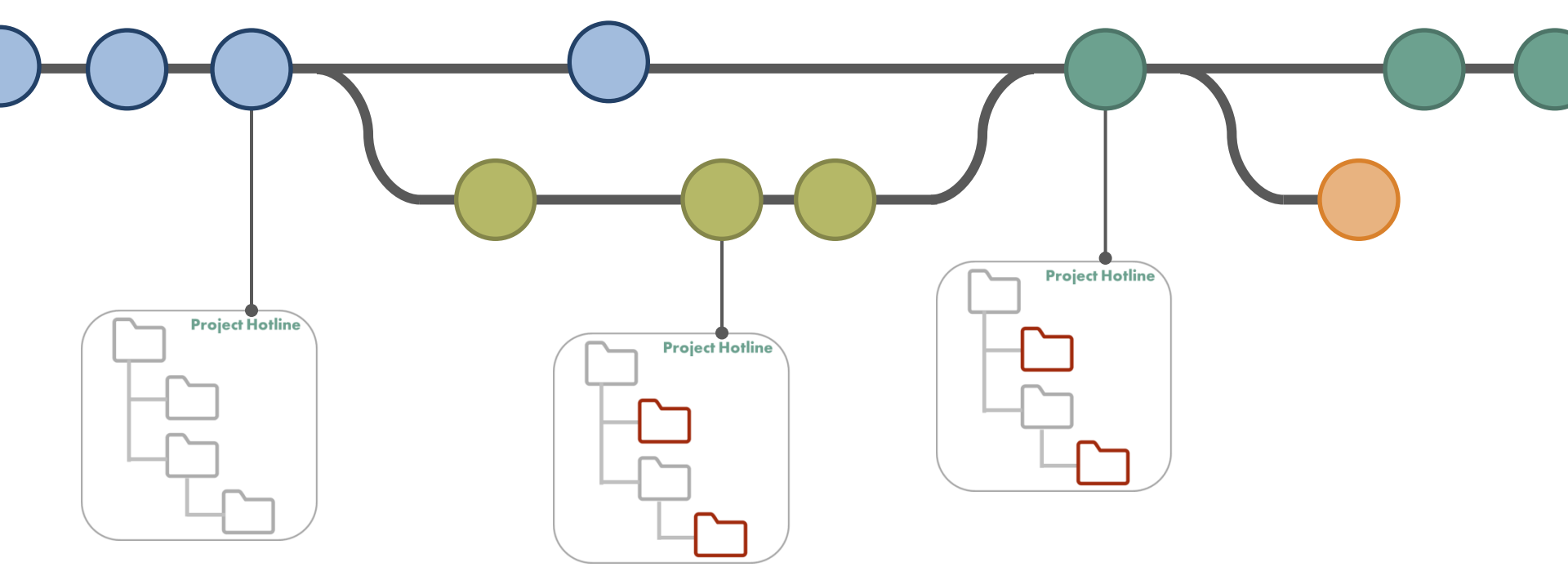
**Your GitHub
repo**



**Your local
repo**



Pull



branch

Terminology



**Other GitHub
repo**

**Your GitHub
repo**



**Your local
repo**



**Your local
repo**



Branch



fork

Terminology



**Other GitHub
repo**

**Your GitHub
repo**



**Your local
repo**



Fork



clone

Terminology



**Other GitHub
repo**

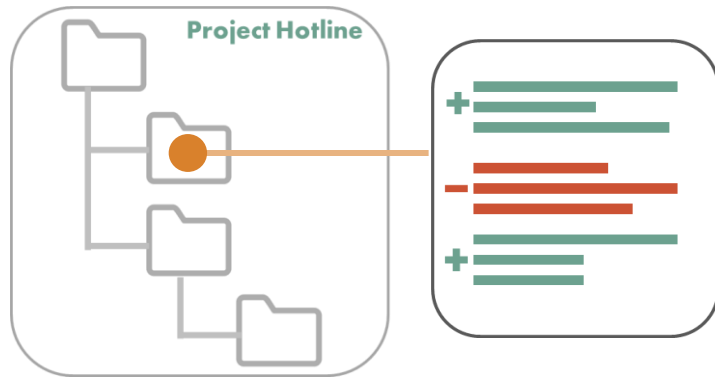
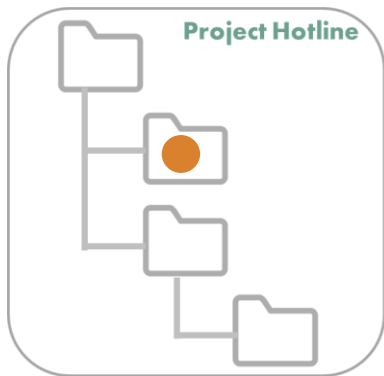
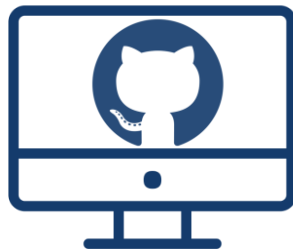
**Your GitHub
repo**



**Your local
repo**



Clone (new)



pull request

Terminology



**Other GitHub
repo**

**Your GitHub
repo**



**Your local
repo**



Pull Request

a Create repo on Github

b Clone to repo to desktop

c [Work]

d Commit material/changes



**new
project**

Workflow

a Fork repo on Github from other user

b Clone to repo to desktop

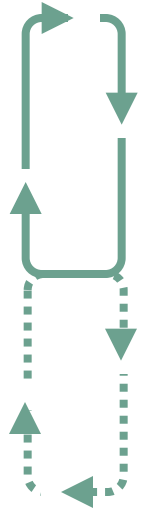
c [Work]

d Commit material/changes to your fork

e Pull request with changes

**collab.
project**

Workflow



1. **Create a repository & add README (doomsday)**
2. **Clone to local machine**
3. **Add description to the README**
4. **Commit changes**
5. **Push/sync**
6. **Check GitHub**
7. **Create a new csv/txt file**
8. **Update gitignore to ignore csv/txt**
9. **Collaboration workflow - fork/clone/pull OR clone/branch/merge**

Exercises

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Notes and Attribution

- Presented by Aaron Chafetz, USAID
- Adapted from the USAID “Dr. Strangelove or: How I Learned to Stop Worrying and Love to Git” (DC) April 25, 2018 and presented at ICPI on August 9, 2019
- Reference material
 - Bryan J. (2018). Happy Git and GitHub for the useR - <http://happygitwithr.com/>
 - Bryan J. (2018). What They Forgot To Teach You About R Workshop (Rstudio:::conf session)
- Image Sources
 - Peter Sellers - <http://www.tcm.com/this-month/article/17930%7C0/Dr-Strangelove.html> & <https://film.avclub.com/with-dr-strangelove-kubrick-shot-a-brilliant-satire-l-1798188226>
 - The Noun Project Icons: bomb – Ben Davis; Computer – Yorlmar Campos; Folder – unlimicon; old computer - Hea Poh Lin; Mushroom Cloud – HeadsOfBird



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