3   Discussion Points

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Overview

Good habits *commit early and often, keep commits small, commit messages, keep a light repo, pull before making changes*

Collaboration *multiple contributors, merge conflicts, plumbing analogy, communication, forks, branches, pull requests*

Repo organization *separate folders vs. repos vs. forks vs. branches, main git folder*

SPC workflows *github vs. penguin vs. onedrive vs. c-drive vs. virtual machine, open science, reproducible analyses, regional/global collaboration*

Good Habits

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Commit early and often

- Create repo and first commits as soon as you begin working on something new
- Keep each commit small   *so it can be described with a short commit message*

Write descriptive commit messages

- Relatively short, around 60 chars
- Describing purpose or specific things that were changed

Good Habits (cont)

Keep a light repo

- Usually under 1 GB

- Avoid including a large file that will change

- General idea with repos is not to include output files

- *Release assets* are a good approach to attach heavy files while keeping the repo light

Pull before making changes

- To make sure you're adding to the current state of the repo

- Avoiding merge conflicts

Collaboration

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Multiple contributors

- Merge conflicts

- Plumbing analogy

- Communication

Pull requests

- Forks, branches

- Submitting and handling pull requests

Summary

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