Cheat Sheet

Working with Git & GitHub in R



THE BASICS

- Start every work session with a pull so you are up to date with collaborators
- Before first pull, run following Command Line Interface (CLI) code:

git config --global pull.rebase false

• Frequently while working, and especially at the end of every session, stagecommit-pull-push (see below) so you and collaborators can stay up to date

1. Stage



RStudio: After edits are saved. check the box next to each file in the "Git" pane CLI:

git add <specific files>

2. Commit



Click the commit button under the "Git" pane

CLI:

git commit -m "<vour informative commit message here>"

3. Pull



Click the downward blue arrow in the "Git" pane

CLI: git pull

4. Push 1



CLI: git push

Congrats, your changes are now synched with Github!

Pro Tip: Google your error messages for helpful solutions!

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TIPS & TRICKS

Merge conflicts occur when Git cannot automatically merge changes for at least one file, and they require manual resolution.

Avoiding Conflicts

- Communicate early & often with your collaborators
- Make a plan for editing at the same time as others
- Write informative commit messages so you can diagnose conflicts if they occur



Resolving Conflicts

- Don't panic!
- Search for conflicted areas (maybe multiple) within file(s)
 - Look for lines with special symbols "<<<", "====", ">>>>"
- Discuss the conflicted section(s) with your team and decide on how you want the code to look
- Delete special symbols & edit the code
 - Make necessary commits as you go
- Pull again to avoid another conflict
- Push your changes

