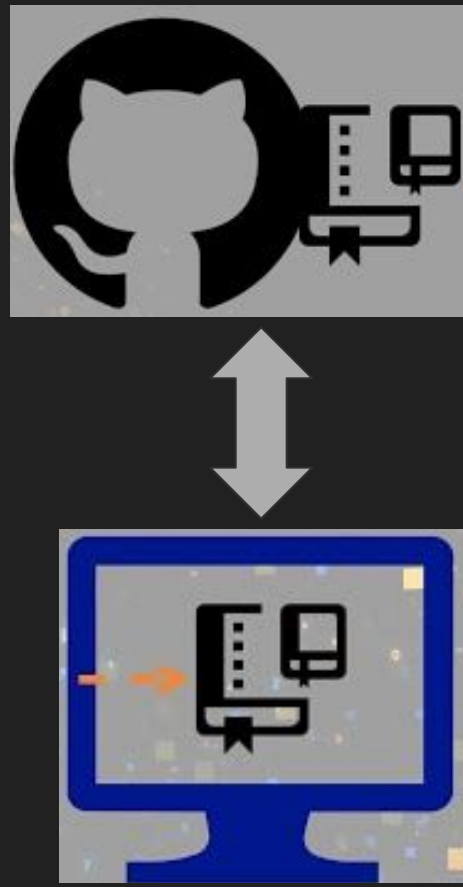
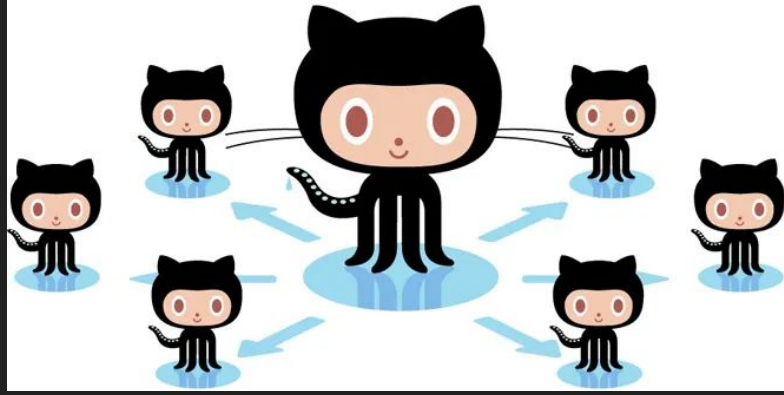
Beginner's GitHub

Clone, Push, Update

How-to Demo



Why Github



- **Sharing code:** sync local to cloud
- **Version control:** track changes in code
- **Collaborate**
  - Manage branches for concurrent working before merge
  - issue tracking and review code before merging to the main branch

GitHub

Beginner's How-to Demo

Clone to Local

Push to GitHub

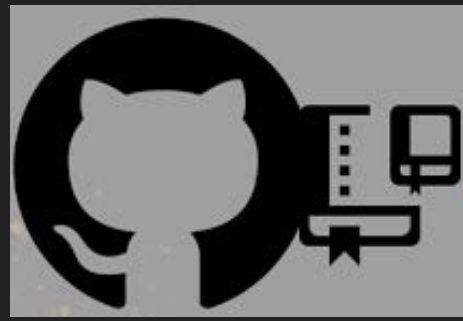
Update/ Interact

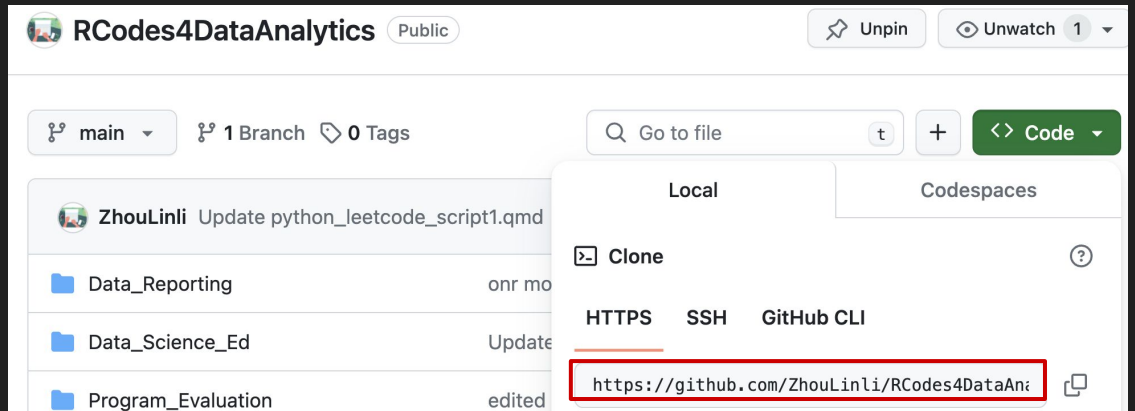
Clone a copy to local

1. Find the repo_link of your interested repo on github
2. Go to **terminal**, and set working directory (where you want to save the repo)

    cd “/Users/linlizhou/Documents/Rprojects/”

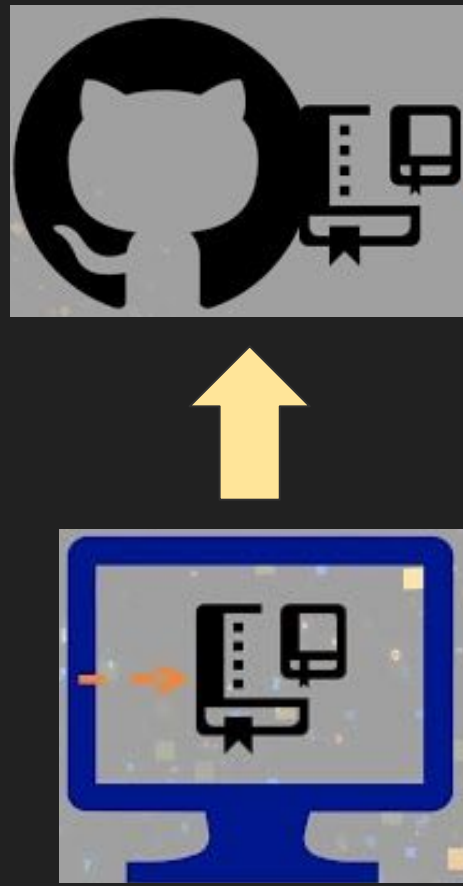
3. **git clone** “link_of_aGitHubRepo”





Push a local to GitHub

1. Creating a new repository on GitHub
    a. named the **same** as your local folder
    b. do **NOT** initialize a README file, .gitignore, or license
2. Within **Terminal**
    a. cd "..." #Set working directory to the folder you want to push
    b. git init
    c. git add .
    d. git commit -m "..."
3. Copy the push code and put into terminal
4. Github and your folder are connected!



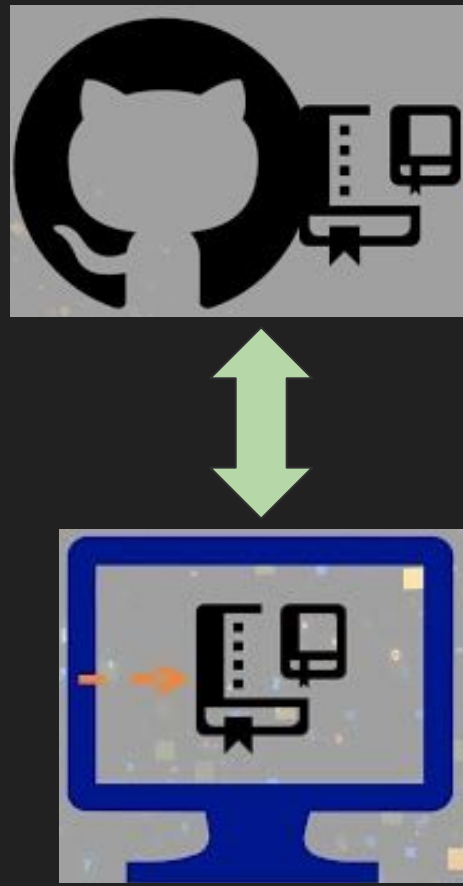
Update GitHub with the local

Work in Terminal

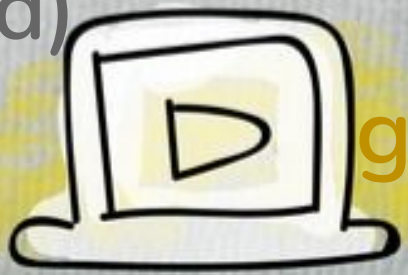
1. Set working directory (the folder you want to update)

cd “/Users/linlizhou/Documents/Rprojects/IR-Projects”

2. git status
3. git add .
4. git add -A
5. git commit -m "somecomments"
6. git push



Terminal
(cd, pwd)



git init

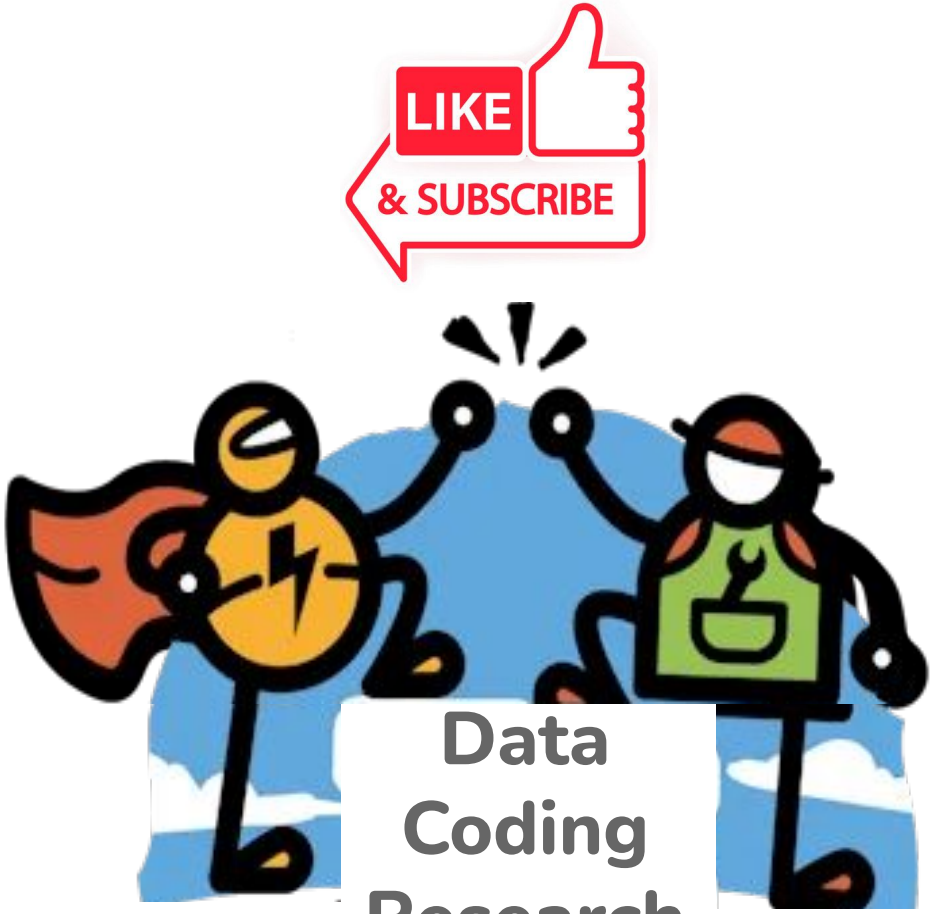
git status

git add .

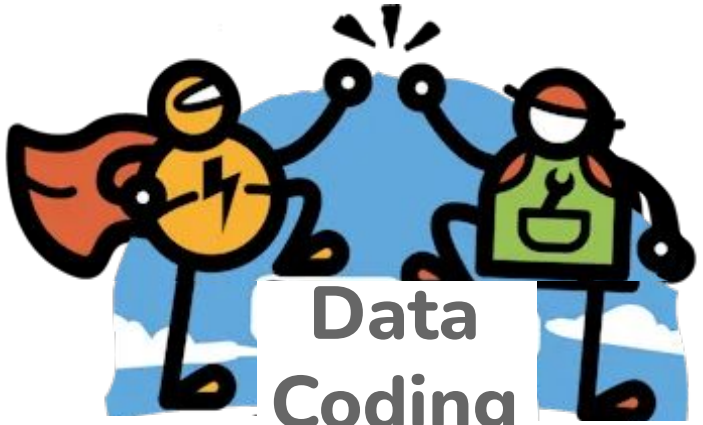
git commit

git clone

git push



Data Coding Research



Data
Coding
Research