Introduction to tools for collaboration

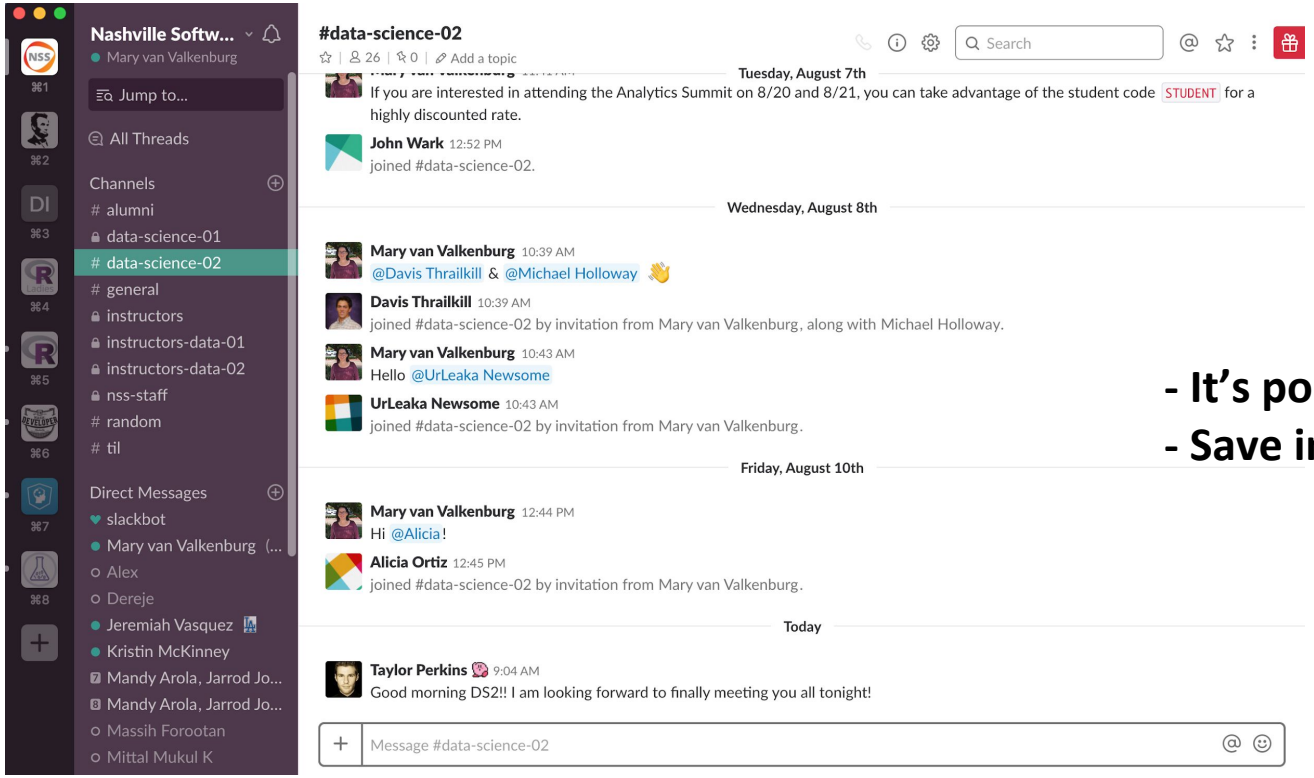
Slack

Channels

- use for teamwork and class communication
- public (anyone can see)

Tags

- notify a person by typing the person's user id (starting with **@**)
- notify an entire channel by typing **@channel** notify only the people who are online in a particular channel with **@here**
-
- **Direct Messages**
- communicate privately (no **@** needed)



- It's polite to acknowledge messages with :+1:

- Save important shared items (free slack has limitations)

Git and GitHub for tracking assignments, collaboration, and version control

git and GitHub

for collaboration, and version control

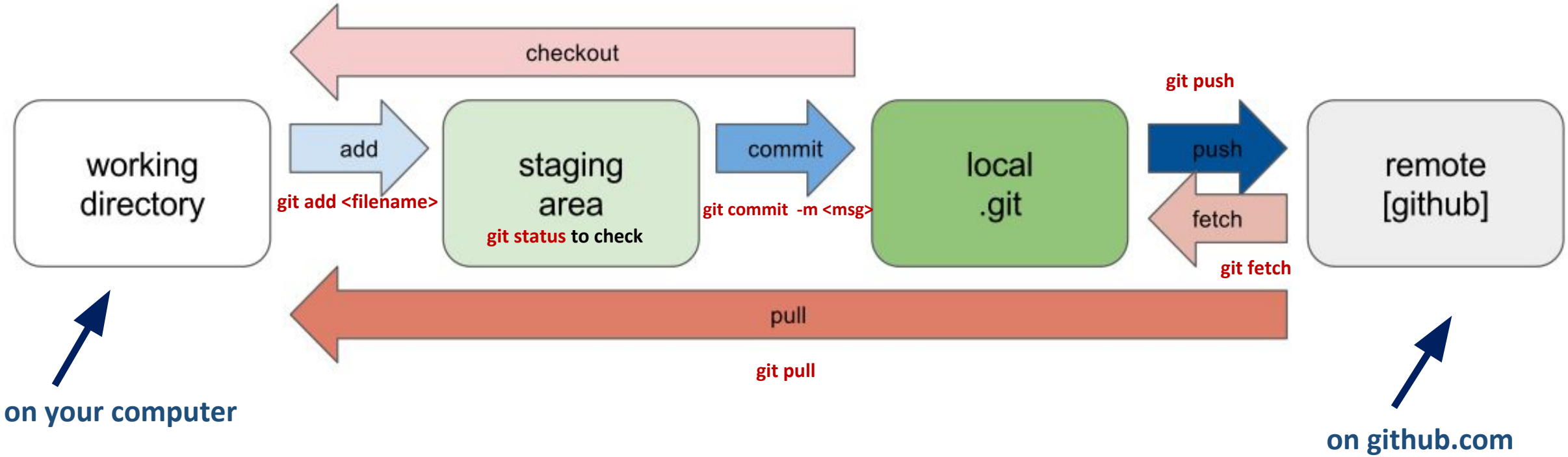
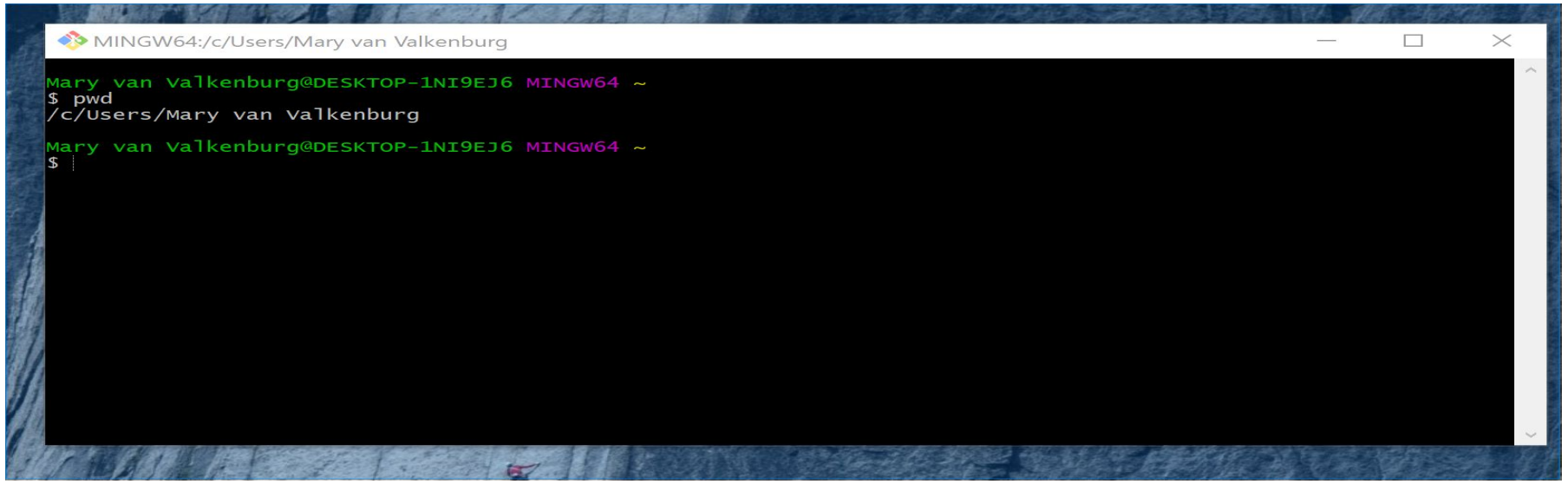


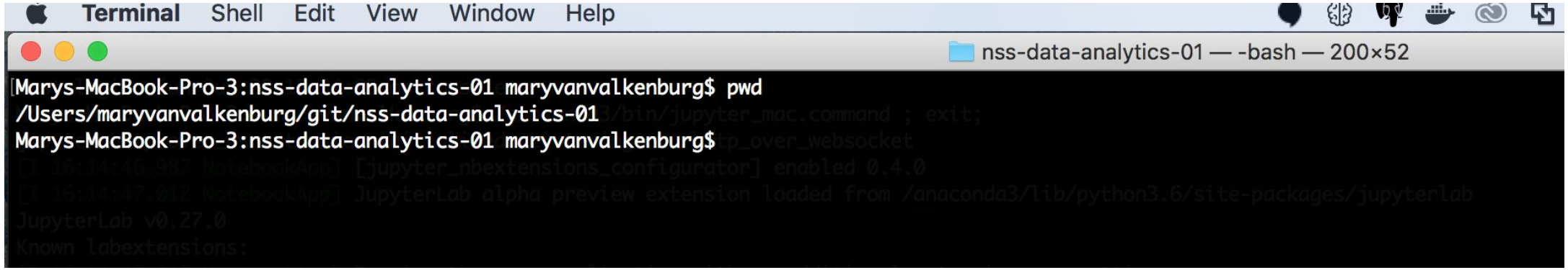
Image: https://edav.info/github.html

- Install git (https://git-scm.com/downloads)
- Create an account at https://github.com/

- On Windows:
  - Install and then open Git Bash:



- When working on Mac:
  - Open Terminal



- Find your working directory with this command: **pwd**
  - **These are other helpful shell commands for navigating through your directories:**
    - **ls lists the contents of the current directory**
    - **cd <directory name> changes the directory to the one specified**
    - **cd .. Takes you up on level in the directory structure**

- Navigate to where you want to create local git repositories and make your directory and create a directory called projects: with **mkdir projects**
- Change to the new git directory with **cd projects**
- Make a directory called data-science-essentials with **mkdir data-science-essentials**
- Change to the directory with **cd data-science-essentials**

Fork the repository here: https://github.com/Vanderbilt-Aspire-Data-Science/data-science-essentials-3

Clone **your remote repository** to create a **local repo**

copy clone url from github.com 

git clone <url to repository that you copied>

Today’s tasks:

- Create an account on GitHub (unless you already have one)
- Fork the repo on GitHub to put a copy in your account
- Clone your fork to your laptop (local repository)
- Launch the Jupyter notebook from your local repository
- Get a tour of Jupyter
- Walkthrough the python review notebook