Introduction to tools for collaboration

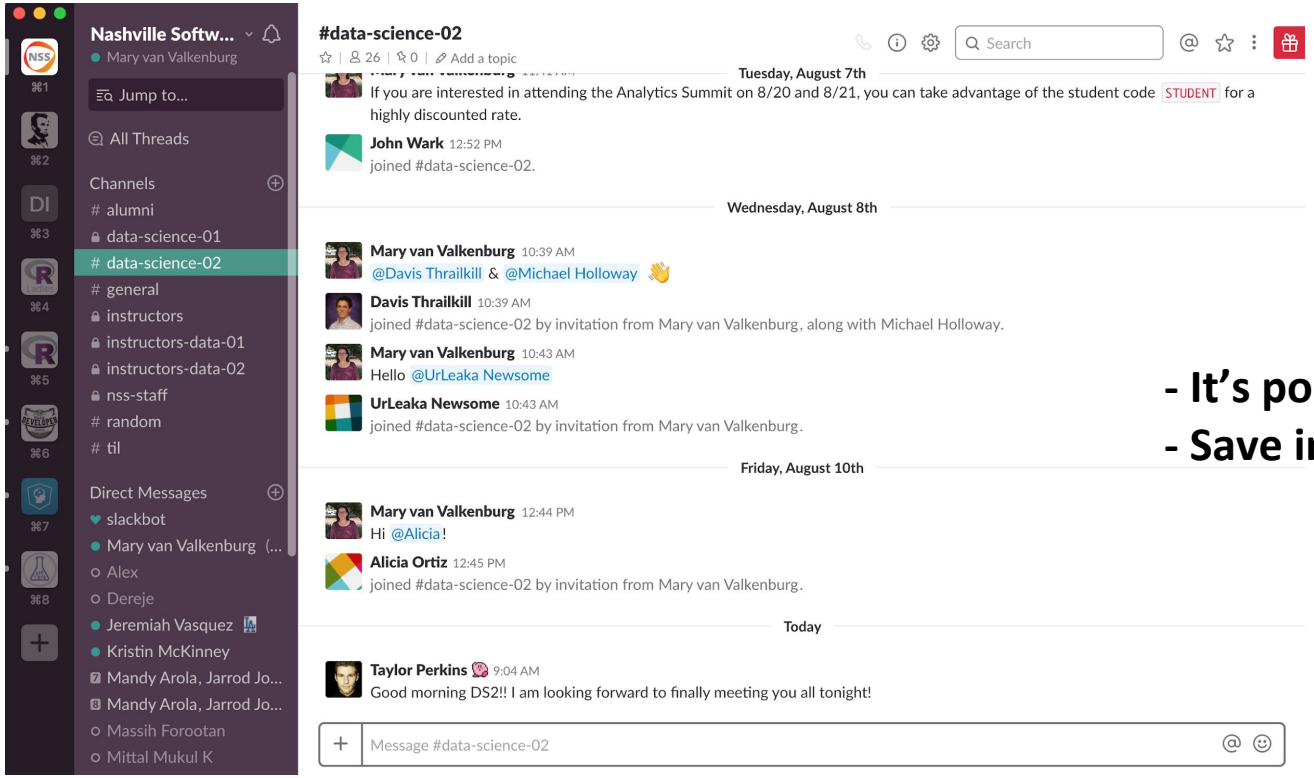
Slack

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

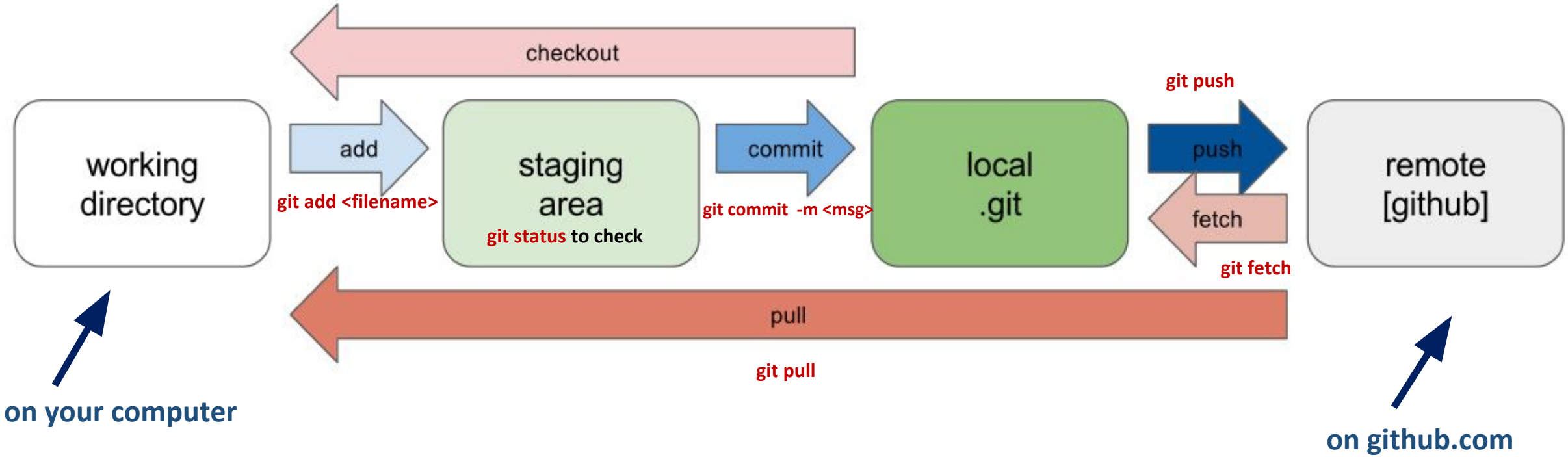
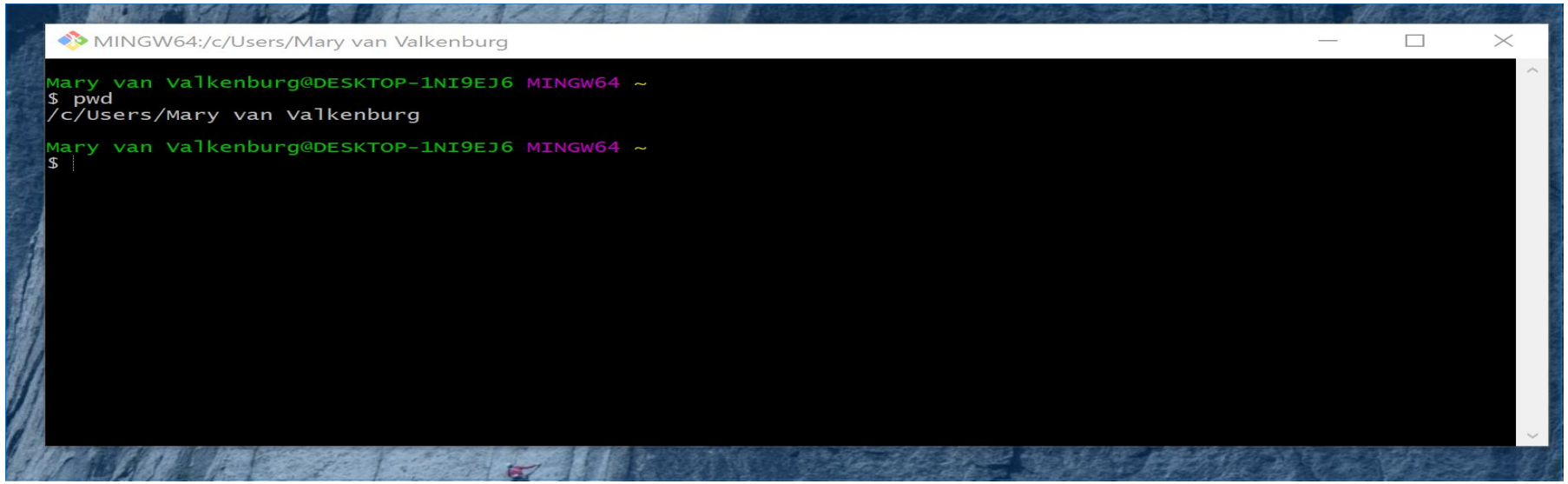


Image: https://edav.info/github.html

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

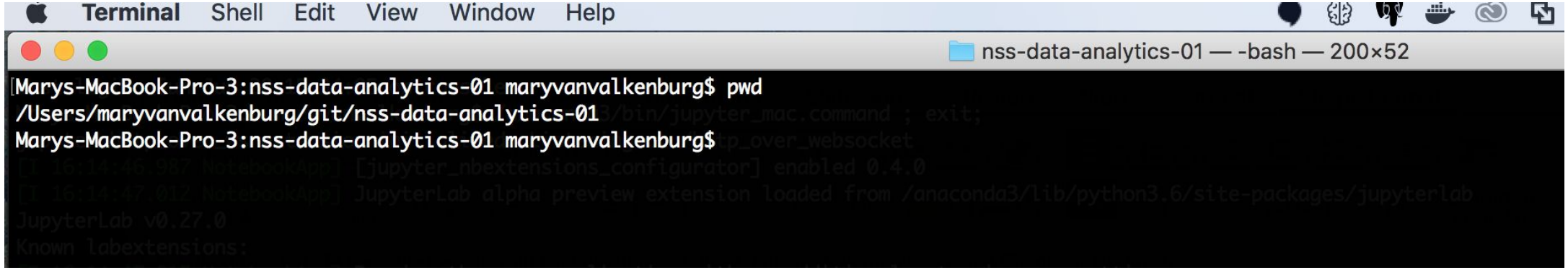
- Since we will be working in Windows for our Excel projects, everyone will need to clone their assignment repositories to their Windows machine

- On Windows:
  - Open Git Bash:



For Mac/Linux users for later

- 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 our local git repositories and make your directory and create a directory called git: with **mkdir git**
- Change to the new git directory with **cd git**
- Make a directory called nss-data-analytics (or similar) with **mkdir <new folder name>**
- Change to the directory with **cd <new folder name>**

Go to **your assignment repository**

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:

- Observe the process to create a new repository on GitHub
- Observe the process to update README and add a file to the local repository
- Observe the process to move new work to the remote repository

- Fork the repo on GitHub
- Clone your fork to your laptop (local repository)
- Launch the Jupyter notebook from your local repository
- Get a tour of Jupyter
- Copy updated work to GitHub (remote repository)