

Introduction to tools for collaboration



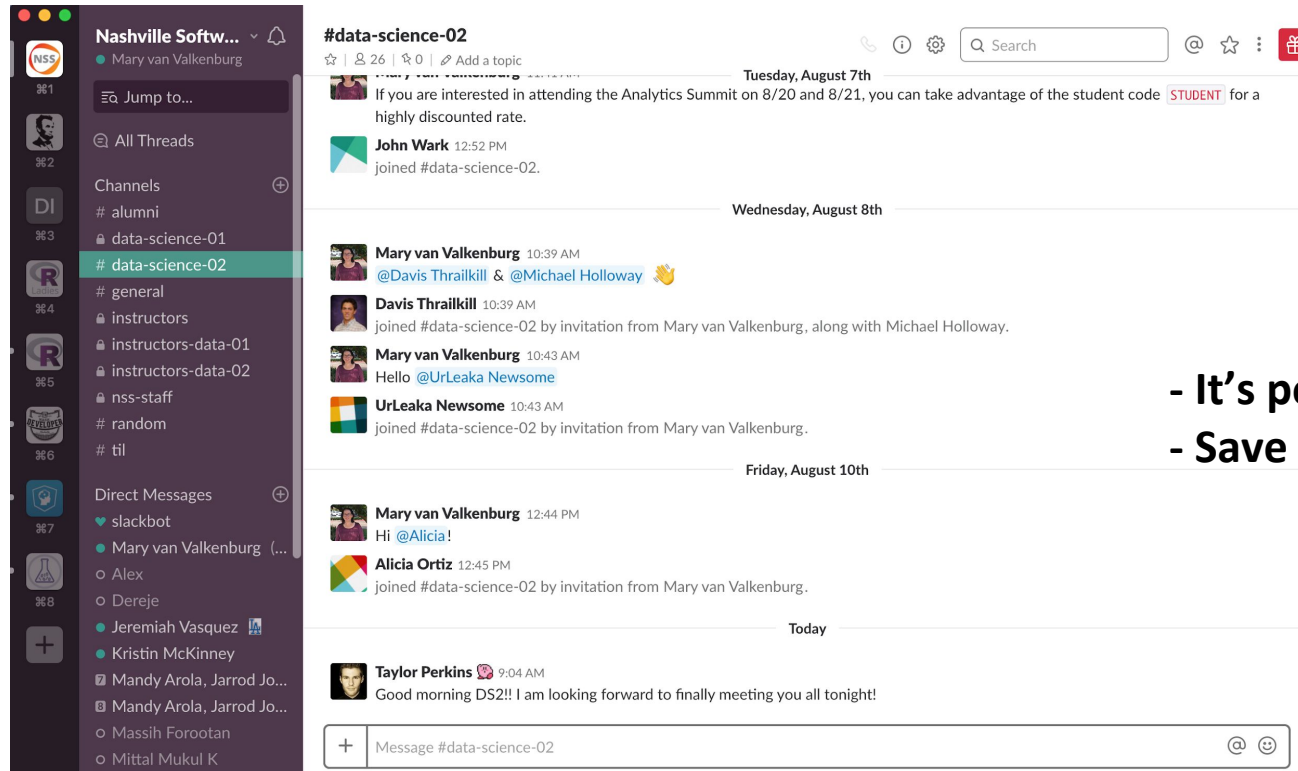


Channels

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

Tags

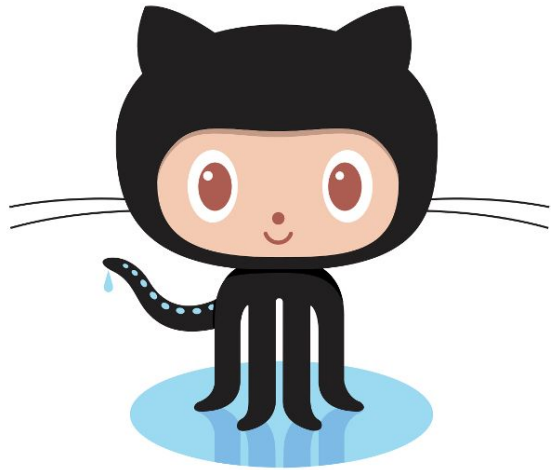
- notify a person by typing the person's user id (starting with @)
- notify an entire channel by typing @channel notify only the people who are online in a particular channel with @here
-
- **Direct Messages**
- communicate privately (no @ needed)



- It's polite to acknowledge messages with :+1: 👍
- Save important shared items (free slack has limitations)

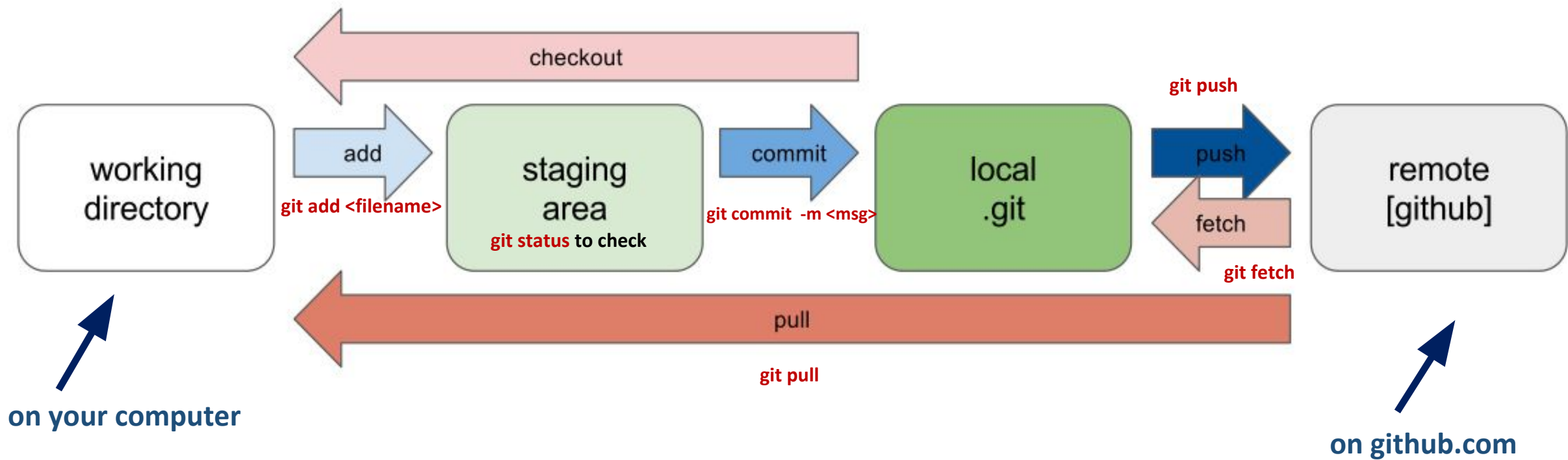


**Git and GitHub for
tracking assignments,
collaboration, and
version control**

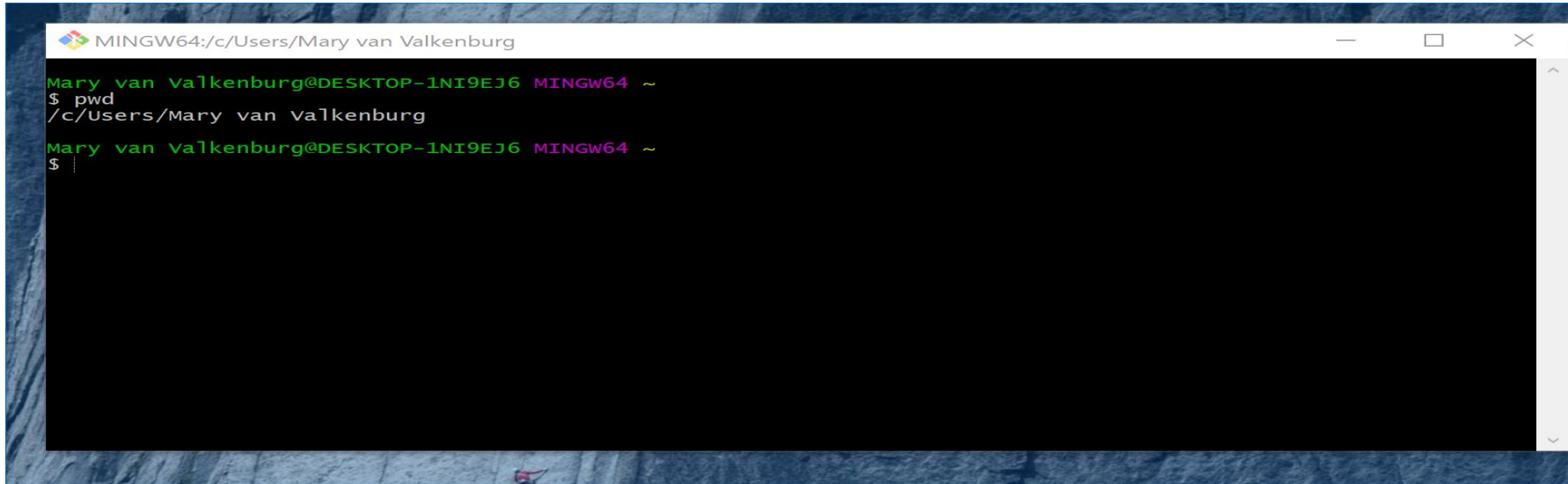


git and GitHub

for collaboration, and version control

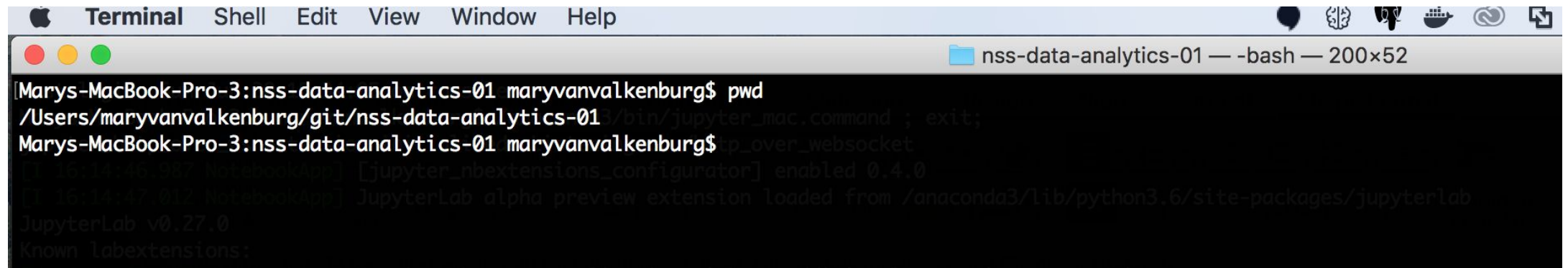


- Install git (<https://git-scm.com/downloads>)
- Create an account at <https://github.com/>
- On Windows:
 - Install and then open Git Bash:



```
MINGW64:/c/Users/Mary van Valkenburg
Mary van Valkenburg@DESKTOP-1NI9EJ6 MINGW64 ~
$ pwd
/c/Users/Mary van valkenburg
Mary van Valkenburg@DESKTOP-1NI9EJ6 MINGW64 ~
$
```

- When working on Mac:
 - Open Terminal



```
Terminal  Shell  Edit  View  Window  Help
nss-data-analytics-01 — -bash — 200x52
[Marys-MacBook-Pro-3:nss-data-analytics-01 maryvanvalkenburg$ pwd
/Users/maryvanvalkenburg/git/nss-data-analytics-01
[Marys-MacBook-Pro-3:nss-data-analytics-01 maryvanvalkenburg$ jupyter lab --ip_over_websocket
[I 16:14:46.867 NotebookApp] [jupyter_nbextensions_configurator] enabled 0.4.0
[I 16:14:47.012 NotebookApp] JupyterLab alpha preview extension loaded from /anaconda3/lib/python3.6/site-packages/jupyterlab
JupyterLab v0.27.0
Known labextensions:
```

- 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 one 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

Clone or download ▾

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