



PsychHacks2019

University of Toronto

Thank you for attending!

Why are we here?

- 1) Learn and practice coding skills
- 2) Answer interesting questions
- 3) To have fun!



Meet your organizing committee...



Ariana Youm



Kyle Nealy



Annabel Fan



Rachel Forbes



Bryan Hong



Alex Gordienko

Special thank you to...



Dr. Katherine Duncan



Dr. Michael Mack



Psychology
UNIVERSITY OF TORONTO



What are we doing?



1 Form your teams



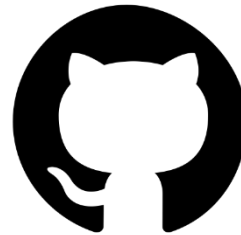
2 Get a dataset



3 Come up with research questions



4 Solve those questions!



5 Submit to Github



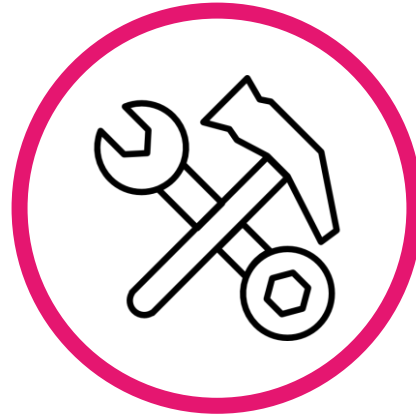
6 Present your findings!

Judging Criteria



**Design and
Discovery**

10 points



Methods

15 points



Execution

10 points

Awards

First Prize

\$25 Amazon Gift Card



Second Prize

\$15 Starbucks Gift Card



Datasets

What is your team interested in?



General Social
Survey



VR Spatial
Navigation



Eyetracking

Datasets

What is your team interested in?

...or you can choose your own adventure!

(Nature Scientific Data, Open Science Framework,
Harvard Dataverse, Google Dataset Search, etc.)

Schedule

Friday, May 3

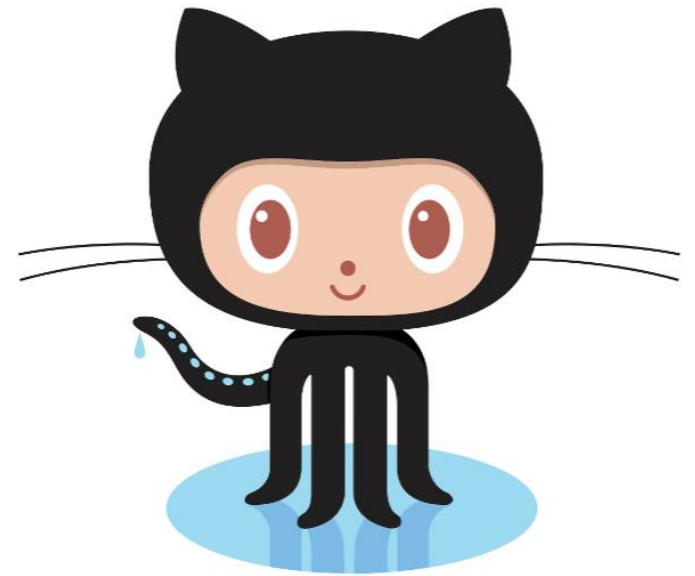
Time	Event
6:00PM	Registration
6:15PM	Hackathon Kickoff
6:30PM	Team Formation
7:00PM	Intro to Git Icebreaker
7:30PM	Hacking Begins/Pizza Party
12:00AM	Midnight Snacks

Saturday, May 4

Time	Event
9:00AM	Breakfast
11:00AM	Machine Learning Workshop
12:00PM	Lunch
1:00PM	R Markdown Website
4:00PM	Submissions Due
4:30PM	Project Presentations + Awards

Make your teams!

Introduction to GitHub



Getting started

1. Make a GitHub account <https://github.com/>
2. Download and setup Git
3. Join psychhack2019 organization
4. Go to this GitHub Classroom link <https://tinyurl.com/psychhacksgit>
5. Join or create new team for your group

What is Git(Hub)?

Distributed version control system - Git

Files are stored in a central location (GitHub)

Allows teams to collaborate on files

Branching from the master branch allows for testing of code before changes are merged back to the master

GitHub keeps a record of individual contributions and changes

For a brief overview: <https://rogerdudler.github.io/git-guide/>

3a. Clone or download a local copy of the repository

The screenshot shows the GitHub interface for the repository 'psychhack2019 / github-icebreaker'. The repository has 6 commits, 1 branch, 0 releases, and 1 contributor. The 'Code' tab is selected, showing a list of files: PH2019_madlib.py, README.md, TeamA_madlib.txt, and madlib-sample.txt. A callout box titled 'Clone with HTTPS' is overlaid on the 'Clone or download' button, showing the URL 'https://github.com/psychhack2019/github-icebreaker' and options to 'Open in Desktop' or 'Download ZIP'. Another callout box titled 'Clone a repository' is overlaid on the right side, showing the 'URL' tab selected, the repository URL 'https://github.com/psychhack2019/github-icebreaker', and a local path 'C:\Users\shiro\Documents\GitHub\github-icebreaker'.

psychhack2019 / github-icebreaker

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Icebreaker exercise for PyschHack 2019

Manage topics

6 commits 1 branch 0 releases 1 contributor

Branch: master New pull request

Create new file Upload files Find File Clone or download

ThreeTreeTrolls Team repo commits change Org master

- PH2019_madlib.py Added a sample madlib excercise
- README.md Team repo commits change Org master
- TeamA_madlib.txt Added a sample madlib excercise
- madlib-sample.txt added a rough version we can test

Clone with HTTPS ? Use SSH

Use Git or checkout with SVN using the web URL.

https://github.com/psychhack2019/github-

Open in Desktop Download ZIP

Clone a repository

GitHub.com Enterprise URL

Repository URL or GitHub username and repository (hubot/cool-repo)

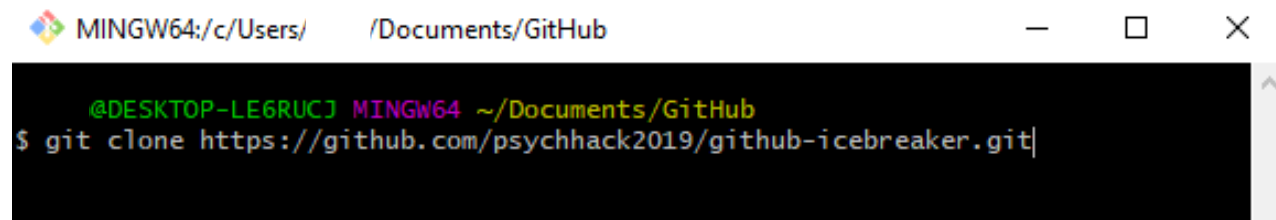
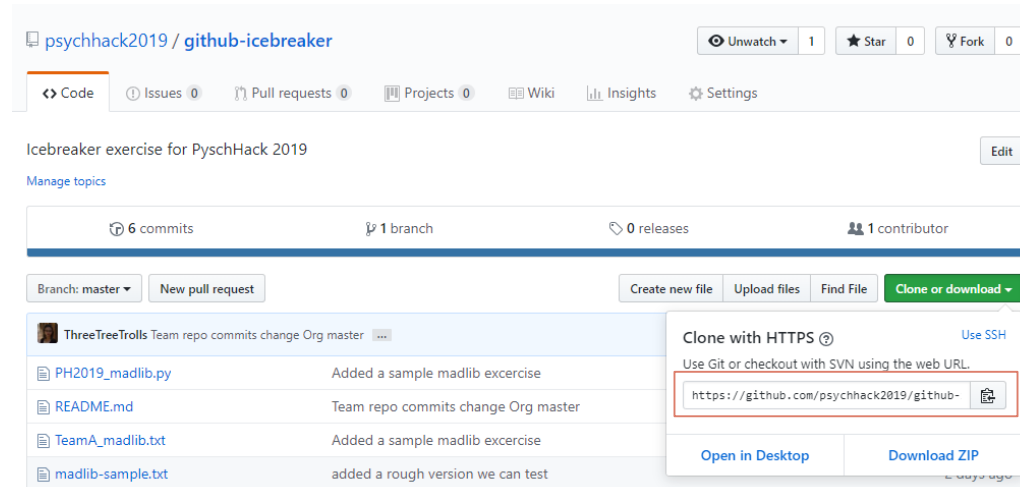
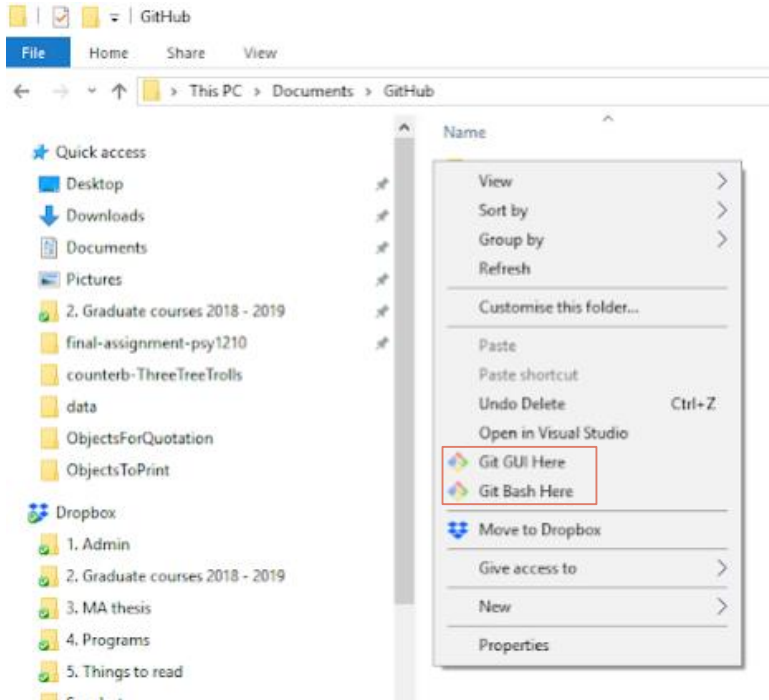
https://github.com/psychhack2019/github-icebreaker

Local path

C:\Users\shiro\Documents\GitHub\github-icebreaker Choose...

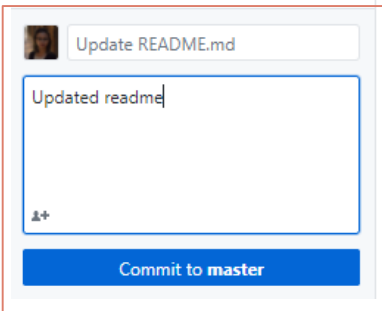
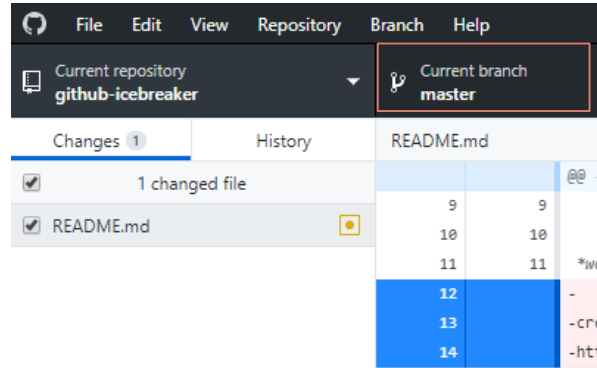
Clone Cancel

3b. Clone or download a local copy of the repository



4. Make changes to local files

5a. Commit and push changes to desired branch



No local changes

You have no uncommitted changes in your repository! Here are some friendly suggestions for what to do next.



Push 1 commit to the origin remote

You have one local commit waiting to be pushed to GitHub

Always available in the toolbar when there are local commits waiting to be pushed or

Ctrl P

Push origin

Icebreaker exercise for PsychHack 2019

Edit

[Manage topics](#)

8 commits

1 branch

0 releases

1 contributor

Branch: master

New pull request

Create new file

Upload files

Find File

Clone or download

ThreeTreeTrolls Update README.md

Latest commit 6d1d1c5 a minute ago

5b. Commit and push changes to desired branch

```
MINGW64:/c/Users/annab/Documents/GitHub/github-icebreaker
(use "git add <file>..." to include in what will be committed)

__pycache__/
madlib.py
story.py
teamA_madlib.txt

annab@PSY-CANTFlex14 MINGW64 ~/Documents/GitHub/github-icebreaker (master|MERGIN
G)
$ git add -A
warning: LF will be replaced by CRLF in madlib.py.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in story.py.
The file will have its original line endings in your working directory.

annab@PSY-CANTFlex14 MINGW64 ~/Documents/GitHub/github-icebreaker (master|MERGIN
G)
$ git commit -m"Updated icebreaker files"
[master e0c6a3f] Updated icebreaker files

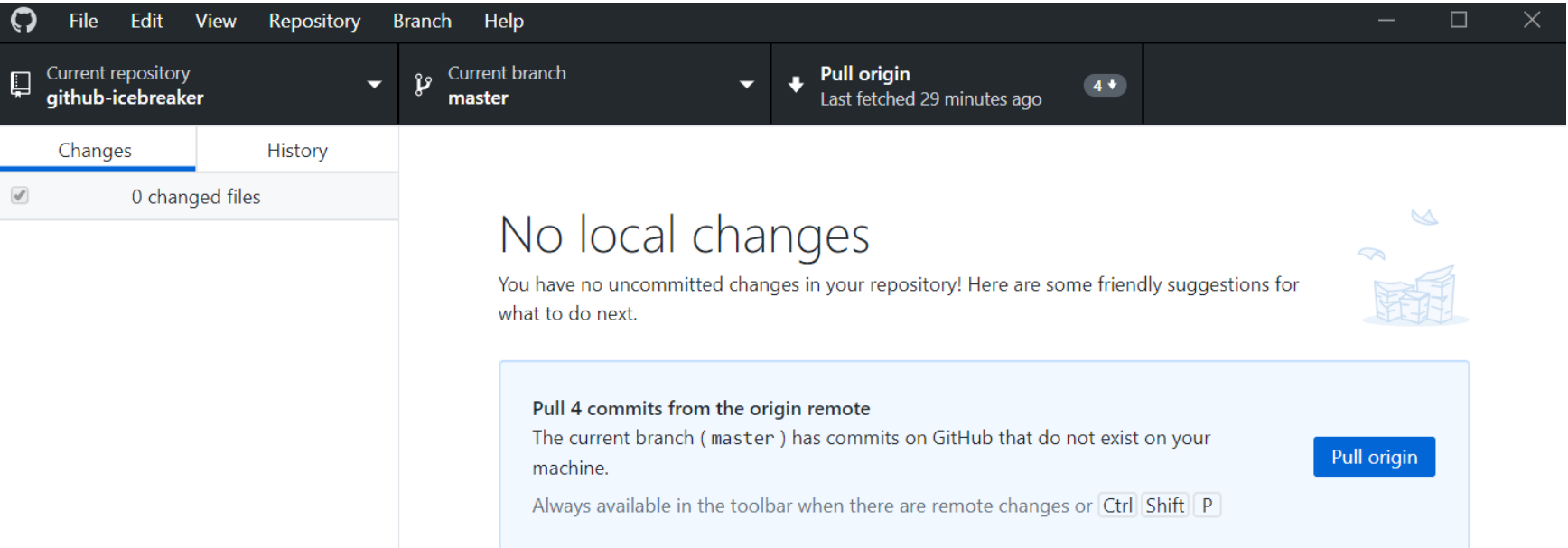
annab@PSY-CANTFlex14 MINGW64 ~/Documents/GitHub/github-icebreaker (master)
$ git push
Enumerating objects: 18, done.
Counting objects: 100% (18/18), done.
Delta compression using up to 8 threads.
Compressing objects: 100% (13/13), done.
Writing objects: 100% (14/14), 3.15 KiB | 645.00 KiB/s, done.
Total 14 (delta 6), reused 0 (delta 0)
remote: Resolving deltas: 100% (6/6), completed with 2 local objects.
To https://github.com/psychhack2019/github-icebreaker.git
6d1d1c5..e0c6a3f master -> master
```

> git add

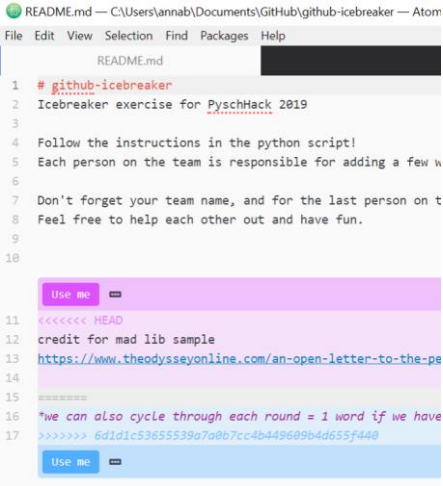
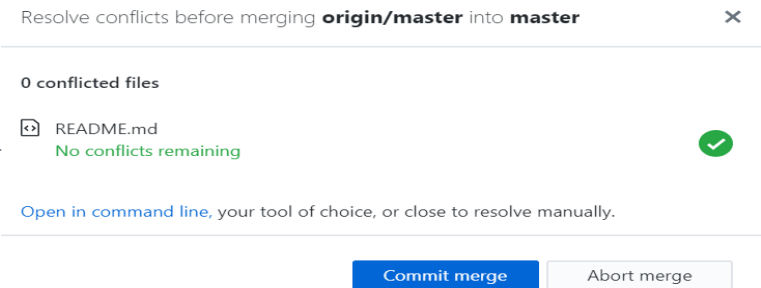
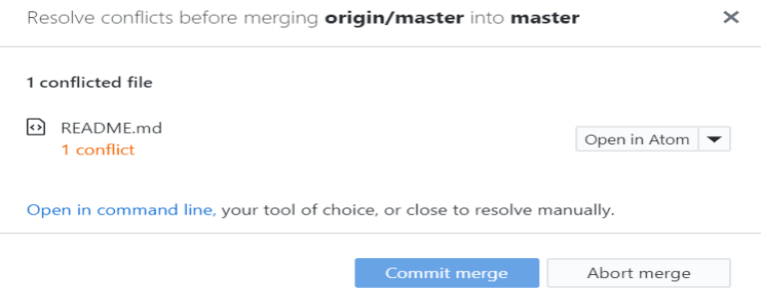
> git commit -m "notes"

> git push

6a. Pull changes from the master



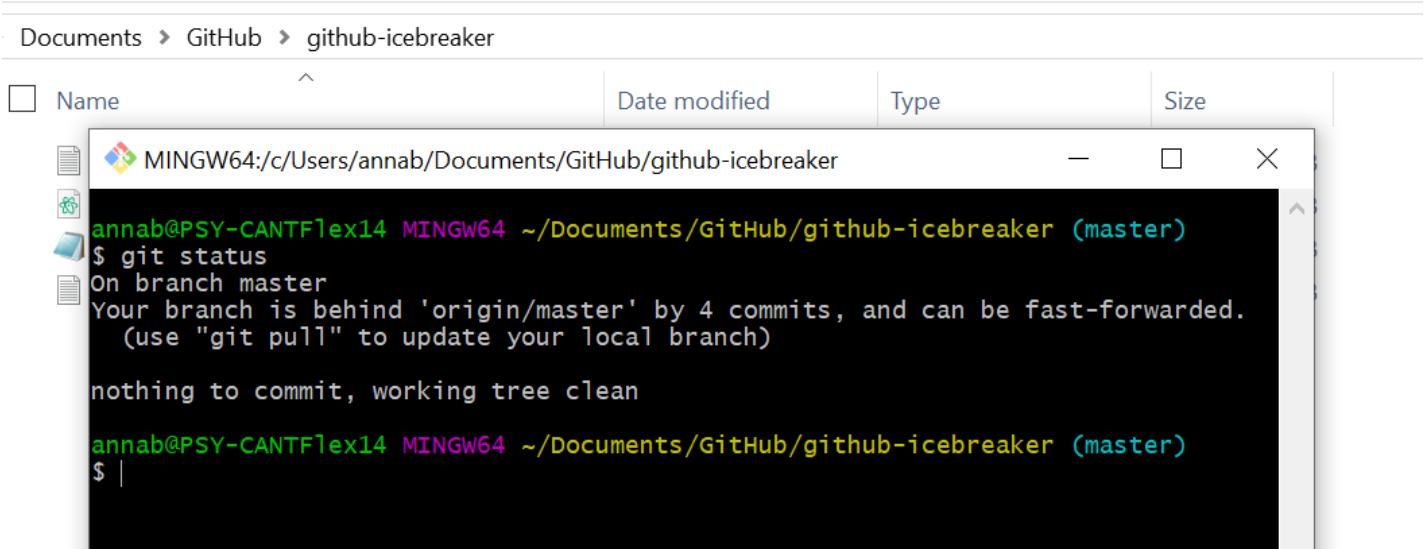
conflicting
changes are
resolved
manually, this
can be done
using a text editor
like Atom



6b. Pull changes from the master

> git status

> git pull



```
<<<<<< HEAD
credit for sample
https://www.theodysseyonline.com/an-open-letter-to-the-people-who-dont-tip-their-servers
```

```
=====
*we can also cycle through each round = 1 word if we have less words
>>>>>> 6d1d1c53655539a7a0b7cc4b449609b4d655f440
```

```
<<<<<< HEAD
credit for sample:|
https://www.theodysseyonline.com/an-open-letter-to-the-people-who-dont-tip-their-servers
```

```
=====
*we can also cycle through each round = 1 word if we have less words
>>>>>> 6d1d1c53655539a7a0b7cc4b449609b4d655f440
```

make new changes

delete conflict markers

Madlib relay!

You and your teammates will work together to complete a madlib story

1. Accept the invitation to the GitHub Classroom assignment and join or create a team
2. First person on the team makes edits to the file, commits, and pushes their local changes to the remote origin
3. The next person in the team will pull the changes, and repeat step 2
4. When your team is done editing madlib.py have the last person run it*
5. Check that the story text file has been generated successfully

How the relay will work:

person 1: edit, commit, push > person 2: pull, edit, commit, push...

*Last person will need to have python installed