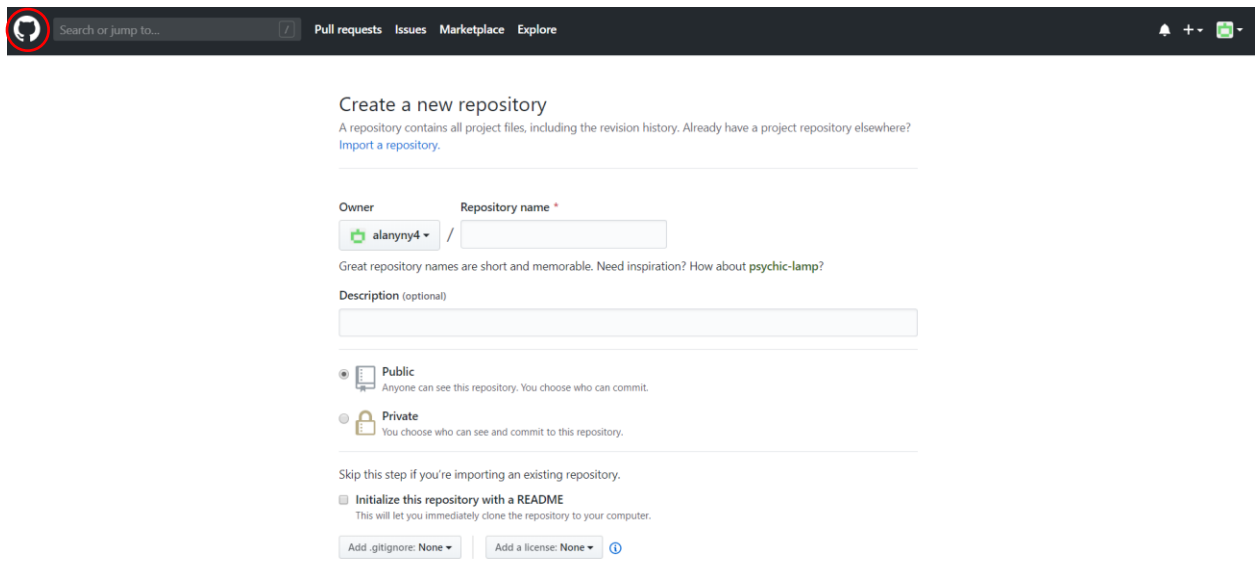


Guide to Using GitHub

for the DARTH 2020 Advanced Decision Modeling Workshop

This is a comprehensive guide to using GitHub and a user-friendly interface for working with GitHub – GitKraken for the DARTH 2020 Advanced Decision Modeling in R Workshop. Please follow the steps below.

1. Sign up for a GitHub account: <https://github.com/>
 - 1) Sign up for the Free plan
 - 2) Verify email
2. After you verify your email, you will see this page:

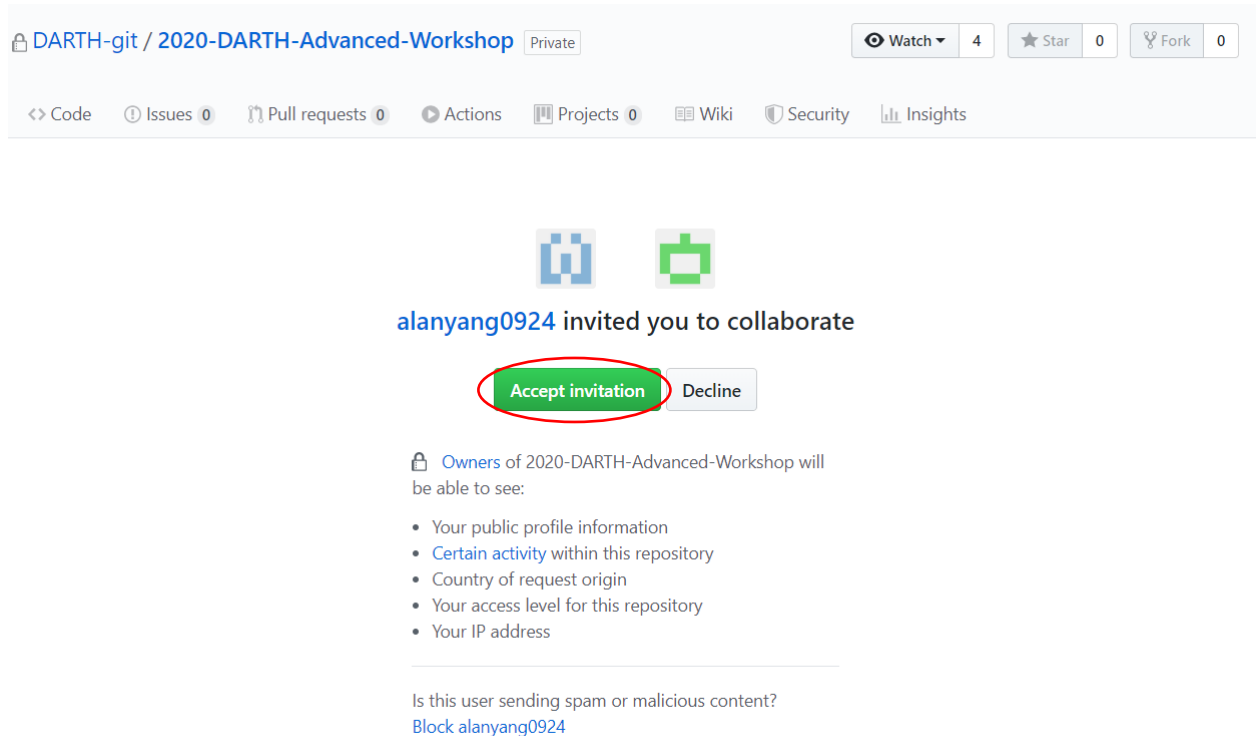


Do not create a new repository. Simply click the GitHub icon on the top-left corner (circled in red in the picture).

3. Email your GitHub username to alan.yang@sickkids.ca

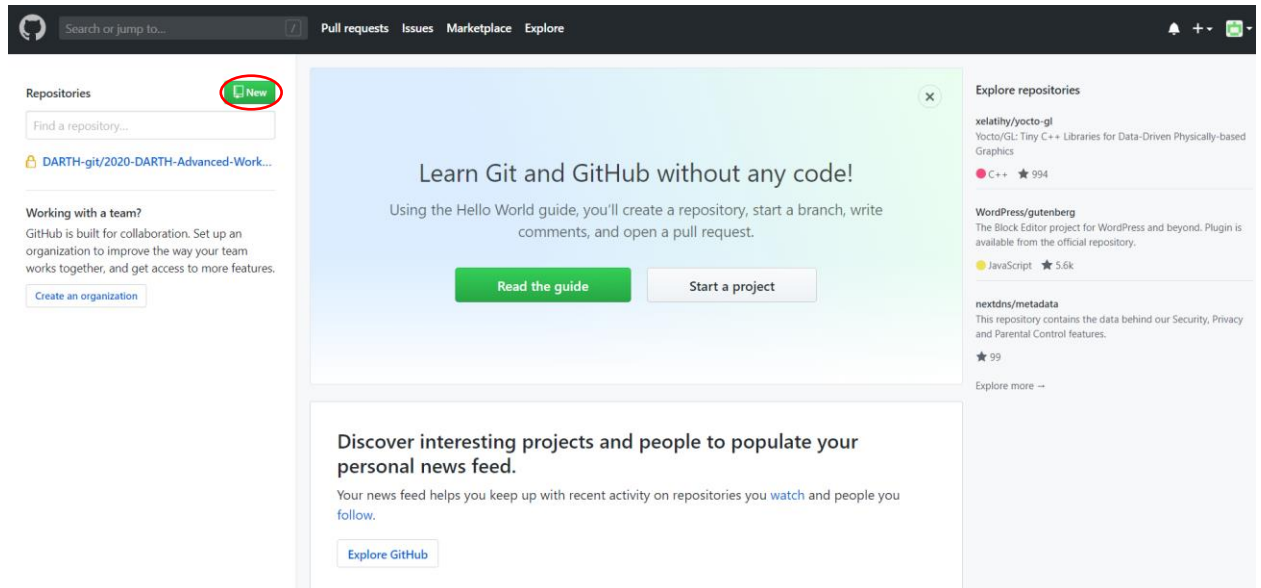
4. After I received your username I will send you the link to the workshop repository.

5. Go to the workshop repository and you will see:



Click “Accept invitation”. You will then enter the workshop repository

6. Click the GitHub icon at the top-left corner again. This brings you to your GitHub homepage. Click the “New” button to create your own repository for the workshop. This is where you submit your data and R code for us to review.



7. Create the repository as follows:

Create a new repository


A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Repository template

Start your repository with a template repository's contents.

No template ▼

Owner

 alanyang0924 ▼

Repository name *

DARTH Advanced Workshop Alan ✓

Great repository names are short, lowercase, and contain only hyphens. Your new repository will be created as DARTH-Advanced-Workshop-Alan-Yang

Description (optional)

This is my repository for the 2020 DARTH Advanced Decision Modeling in R Workshop.



Public

Anyone can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.

Skip this step if you're importing an existing repository.

☒ Initialize this repository with a README

This will let you immediately clone the repository to your computer.

Add .gitignore: None ▼

Add a license: None ▼



Create repository

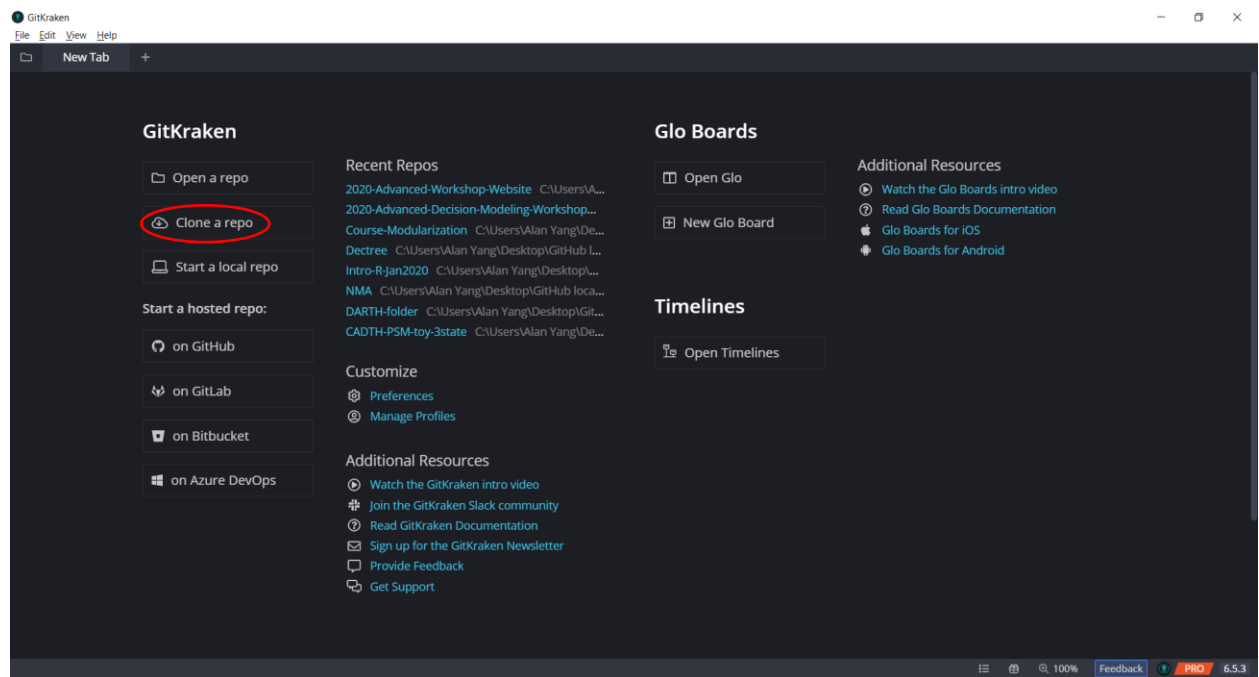
- 1) Name the repository “DARTH Advanced Workshop firstname lastname”
- 2) Add a description if you want
- 3) Make the repository private
- 4) Initialize it with a README

8. Now, we will move away from the GitHub website to install GitKraken, a super user-friendly interface for GitHub. Navigate to:

<https://www.gitkraken.com/>

9. You do not need to sign up for a GitKraken account, you can log in with your GitHub account later. Simply download and install the software.

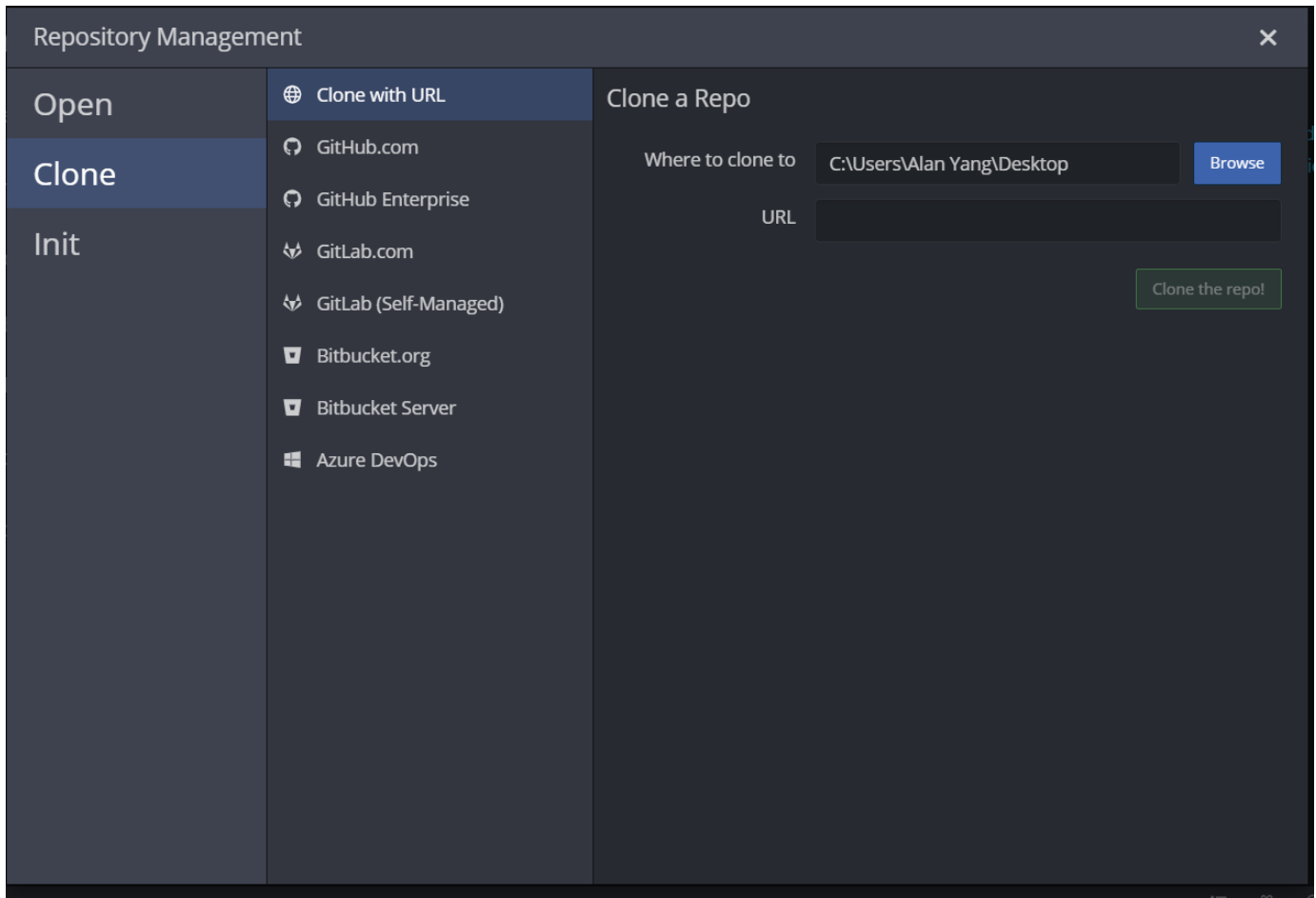
10. Open the software and choose to sign in with GitHub. Then you will see:



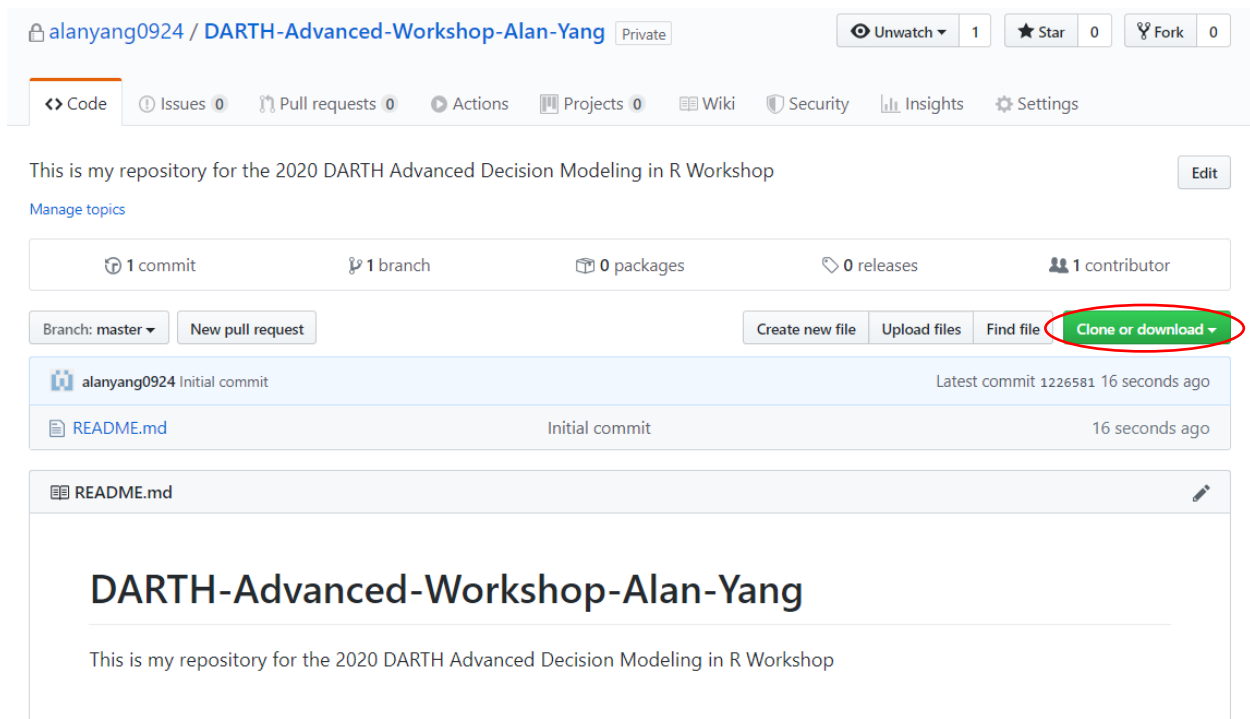
Click “Clone a repo”.

** Cloning a repo means creating a **folder on your computer** that represents a **local copy** of your **remote repository** from GitHub

11. You will then see:

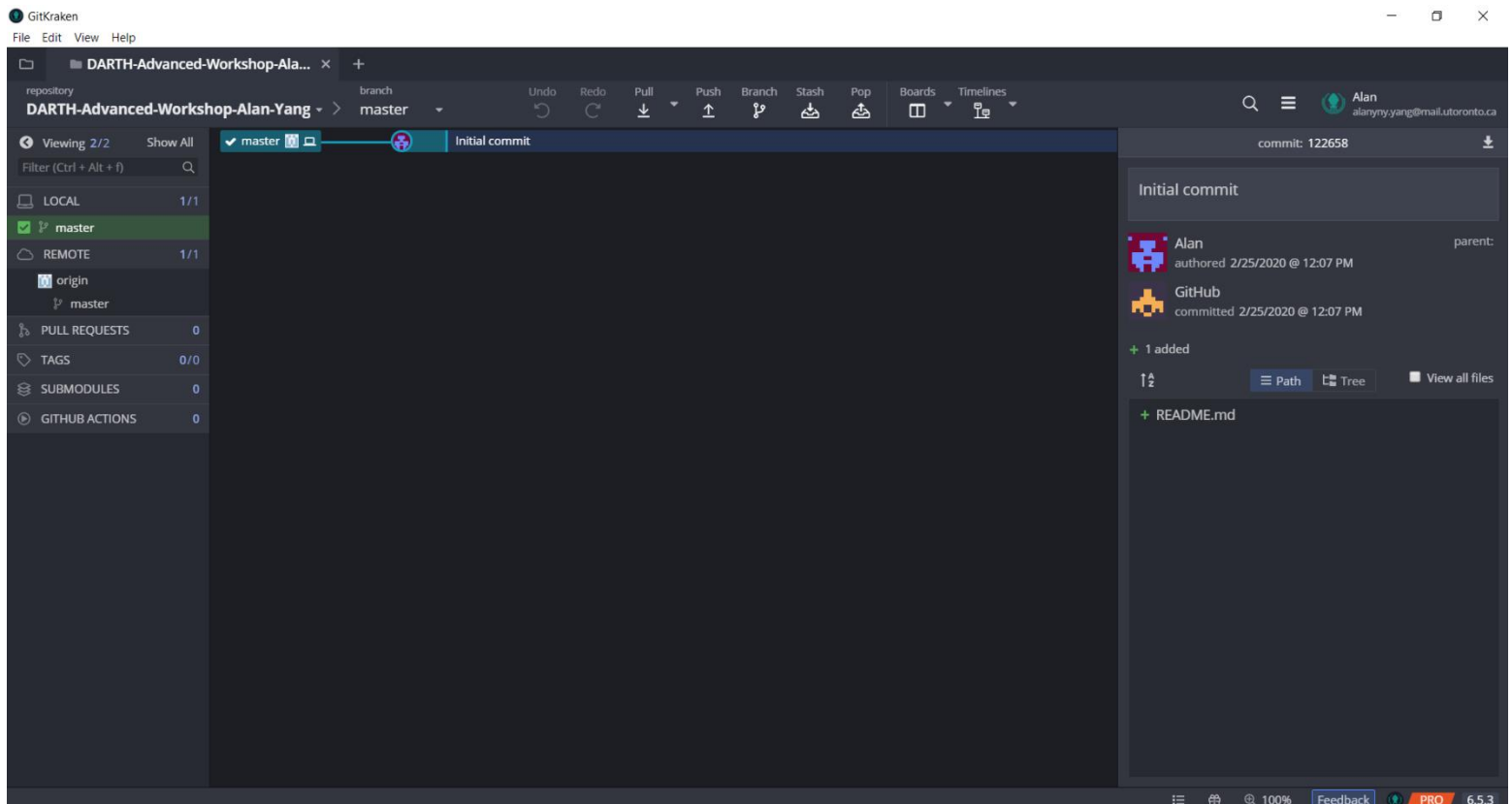


Specify the location/path on your computer you want the local copy of your repository to reside in and then, go to the main page of your repo (where you ended up after step 7).



Click on the green button “Clone or download”, copy the URL that pops up and paste it to the URL tab in GitKraken. Clone it and click “open now”.

You are now at the main page of your repo in GitKraken:

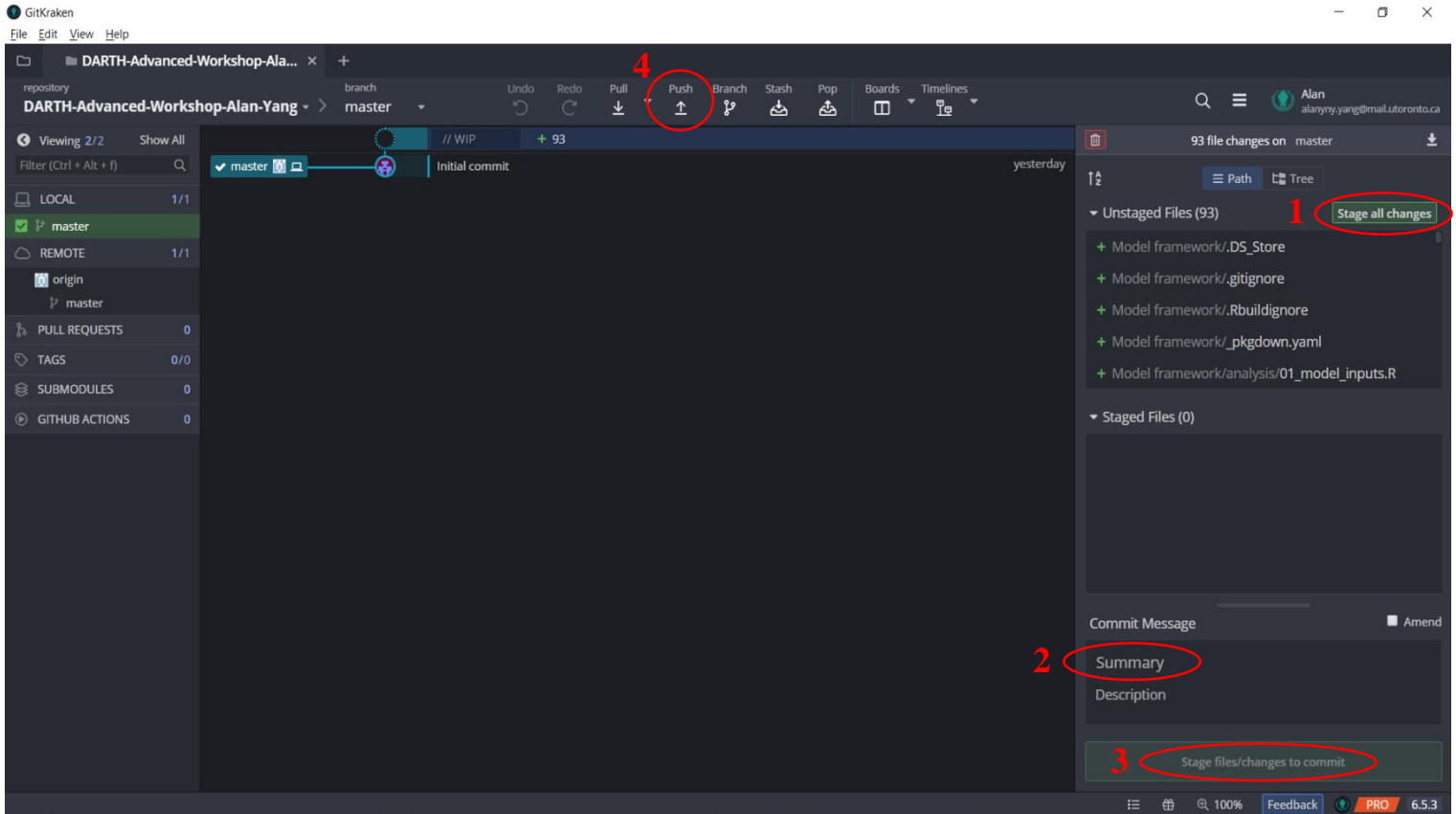


12. Gitkraken has now created a folder that represents the local copy of your remote repo from GitHub. At this point the folder should only contain a “README.md” file. From now on you will work within this local folder and **push changes** to the remote version of your repo on GitHub. Push will be explained later.

****Note:** GitHub does not allow you to make changes directly your remote repos, you must make changes locally first (in local copies of remote repos), then use GitKraken to push/update the changes to remote.

13. Navigate to the workshop repo main page. Download instead of clone the repo. Download the ZIP file, unzip it, and copy everything **except the README.md file** to your local repo folder.

14. Now switch to GitKraken. You will see:



Now, perform the follow **4 steps**:

1. Stage all changes
2. Add a summary
3. Commit changes
4. Push the changes to remote repo on GitHub

****** These 4 steps are key to using GitKraken and GitHub. You first make the changes to the files in your local repo folder. Once you are done with the changes, you follow the above 4 steps to push the changes to your remote repo on GitHub.

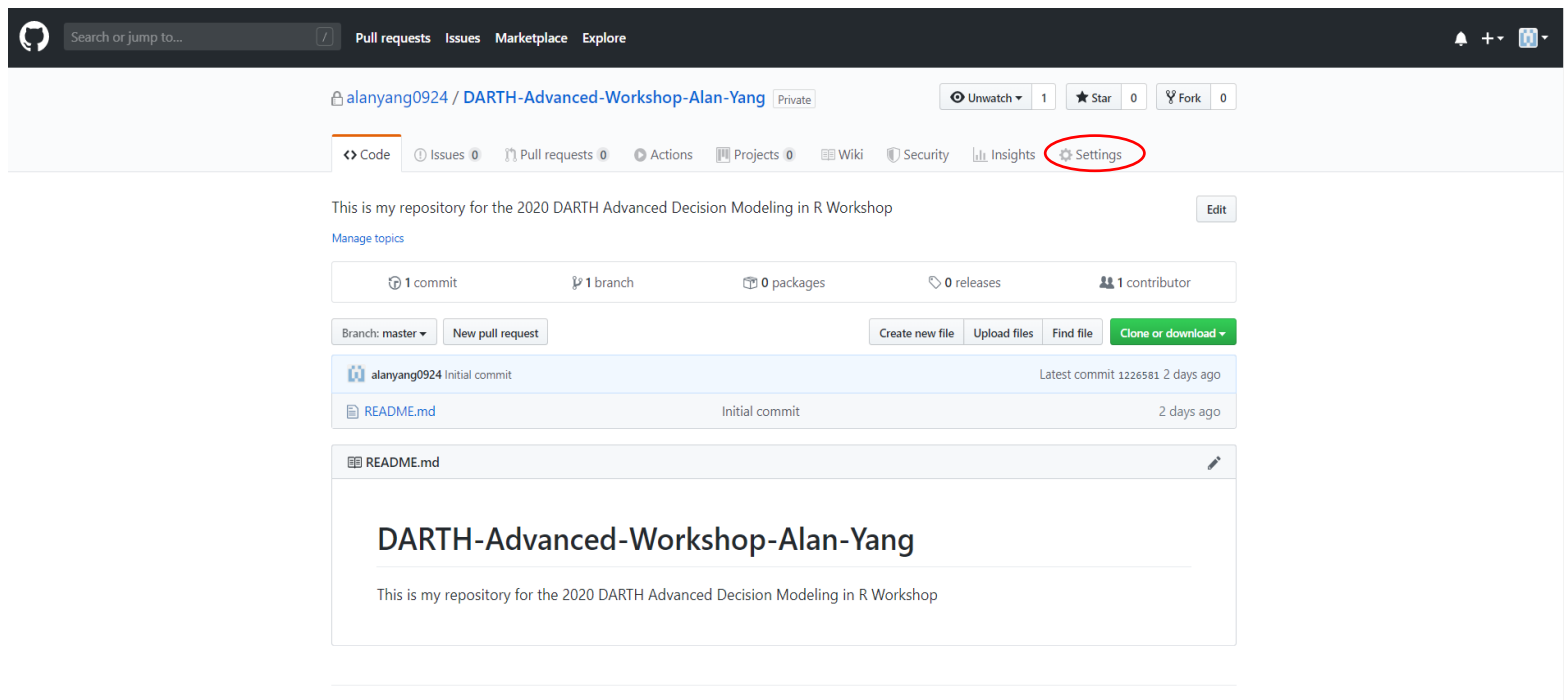
****** If you don't push your changes, all changes you make will stay local. They will never be reflected on GitHub online.

At this stage almost ready to go with GitHub and GitKraken!

The basic idea is to first move your model files and other relevant files into the local repo you created in the previous steps. Then, push the model files to the remote repo. You want to do this every time you are done with making changes to the files.

Because we are here to help you model not do the coding for you, we will not make changes to your files or push to your remote repo. To ensure this, please do the following steps:

1. Visit the main page of your GitHub repo and go to “Settings”.



2. Go to “Manage access”. You might be asked to enter your password.

alanyang0924 / DARTH-Advanced-Workshop-Alan-Yang Private

Unwatch 1 Star 0 Fork 0

<> Code 1 Issues 0 Pull requests 0 Actions Projects 0 Wiki Security Insights Settings

Options

Manage access

Branches

Webhooks

Notifications

Integrations & services

Deploy keys

Autolink references

Secrets

Actions

Settings


Repository name

DARTH-Advanced-Workshop-Alan-Ya Rename

☐ Template repository

Template repositories let users generate new repositories with the same directory structure and files. Indicate if alanyang0924/DARTH-Advanced-Workshop-Alan-Yang can be used as a template for creating other repositories.

Social preview

 You can upload a social image, but it will not be visible publicly while alanyang0924/DARTH-Advanced-Workshop-Alan-Yang is private.

Upload an image to customize your repository's social media preview.

Images should be at least 640×320px (1280×640px for best display).

[Download template](#)

3. Click on “Invite a collaborator”.

The screenshot shows the GitHub repository settings page for the repository 'DARTH-Advanced-Workshop-Alan-Yang' by user 'alanyang0924'. The repository is marked as 'Private'. The top navigation bar includes links for Code, Issues (0), Pull requests (0), Actions, Projects (0), Wiki, Security, Insights, and Settings (which is highlighted). On the left sidebar, the 'Manage access' option is selected. The main content area is titled 'Who has access' and includes a 'Beta' badge and a link to 'Learn more or give us feedback'. It displays two sections: 'PRIVATE REPOSITORY' with a lock icon, stating 'Only those with access to this repository can view it.' and a 'Manage' link; and 'DIRECT ACCESS' with a group icon, stating '0 collaborators have access to this repository. Only you can contribute to this repository.' Below this is a 'Manage access' section with a lock icon and the text 'You haven't invited any collaborators yet'. It explains that with GitHub Free, unlimited collaborators can be added on public repositories and up to three on private repositories. A green button labeled 'Invite a collaborator' is circled in red.

Invite the following people by usernames (these are the instructors from DARTH).

- 1) alanyang0924
- 2) evaenns
- 3) feralaes
- 4) krijkamp
- 5) ppehli

What's next?

So, you should complete all steps above before coming to the workshop. At the workshop, we will take a look at your decision models from your remote repo, provide input, and you will code them up in your local repo. After you code them up in local, push the updated files to your remote. We will take a look from your remote (but of course, we can help you fix your code/debug while we are beside you). We expect this procedure to be iterated numerous times throughout the workshop, so it is imperative for you to get comfortable with using GitHub and Gitkraken!

You have now completed the guide!

If you have any questions, please email alan.yang@sickkids.ca or bring it up on Slack (<https://app.slack.com/client/TUN1YV8T1/CUNC6J99U>)