

# How to clone a Github repository

The Erdős Institute

# Try your familiar workflow first!

1. If you have cloned a repository from Github before, try to clone it the way you are familiar with!
2. Some common ways to interact with Github include:
  - a. Command Line Interface
  - b. GitHub Desktop Application
  - c. Integrated GitHub support inside an IDE
    - i. Anaconda has GitHub integration.
    - ii. Visual Studio Code has GitHub integration.
3. Only proceed with this video if you fail to clone it using your familiar methods.

# Try this second!

1. Get access to The Erdős Institute Github organization.
2. Find the url of the repository you want to clone.
  - Example: `https://github.com/TheErdosInstitute/data-science-spring-2024.git`
3. Open the CLI on your computer.
4. Navigate to the directory where you want the repo.
5. Type
  - `git clone https://github.com/TheErdosInstitute/data-science-spring-2024.git`
6. If this worked: great! You are done.
7. If not, continue the video for troubleshooting tips.

# Troubleshooting 1: 404 Error on Github

1. Make sure you are logged in to your Github account.
2. Make sure you have accepted the invite to The Erdős Institute Organization.
3. If you don't have an invite send a slack message to Amalya Lehmann asking for one.

## Troubleshooting 2: Username/Password doesn't work

1. You may need to create a Personal Access Token.
2. Go to your Github account settings.
3. Navigate to Developer Settings.
4. From the Personal Access Tokens dropdown select "Tokens (classic)"
5. From the Generate New Token dropdown select "Generate New Token (classic)"
6. Options:
  - a. Add "erdos" to the note.
  - b. Select "no expiration".
  - c. Select "repo" as the only scope.
7. Save the Personal Access Token.

# Troubleshooting 3: Using your Personal Access Token

1. Re-attempt the cloning steps from the first slide.
2. When you are prompted for your username, type your github username.
  - a. Note: this is case sensitive!
3. When you are prompted for your password copy/paste your Personal Access Token and hit enter.
  - a. Note: It will appear as if nothing is pasted. This is to avoid showing your password. Rest assured that it has been pasted and just hit enter.
4. If you taken all of the steps in the video and still cannot clone the repo, please contact myself (Steven Gubkin) on slack. I will walk you through it in a video call.