

# Data Management for Research and Institutional Decision Making

# What is GitHub?

- GitHub is a **website** where people work on projects together.
- It helps teams **store, track, and manage** their work (usually code).
- Think of it like **Dropbox or Google Drive**, but for building things like apps or websites, working on a manuscript, etc.
- You can see who made **what change, when, and why**.
- It keeps everything **organized, backed up**, and easy to **collaborate** on.

# Creating a GitHub account

- Go to <https://github.com>
- Click “Sign Up” and follow the steps
- Choose your GitHub plan (free option is available)
- Verify your email address (check your inbox)
- Set up two-factor authentication for security
- You're ready to use GitHub!

# What is a Repository?

- A repository (or “**repo**”) is a project **folder** on GitHub
- It holds all the **files** related to a project (documents, images, code, etc.)
- It also keeps track of changes made over time
- Think of it like a shared folder in Google Drive, but with version control
- Every update is saved, so you can go back to previous versions if needed

# Making a Repository (RP)



so13839

Overview Repositories 23 Projects Packages Stars 1

Search: Type / to search

Buttons: > + (circled in blue) (circled in red) &copy; &copy; &copy; &copy;

Create new...



**Stephen Opiyo**  
so13839

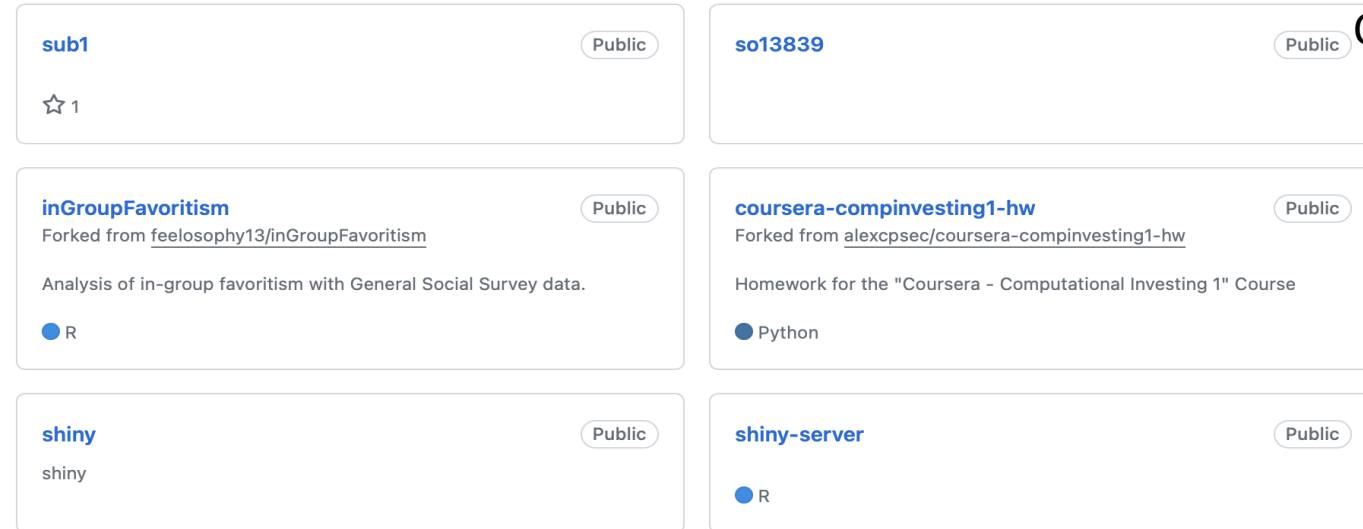
Data Scientist

Edit profile

so13839@gmail.com

## Popular repositories

Customize your pins

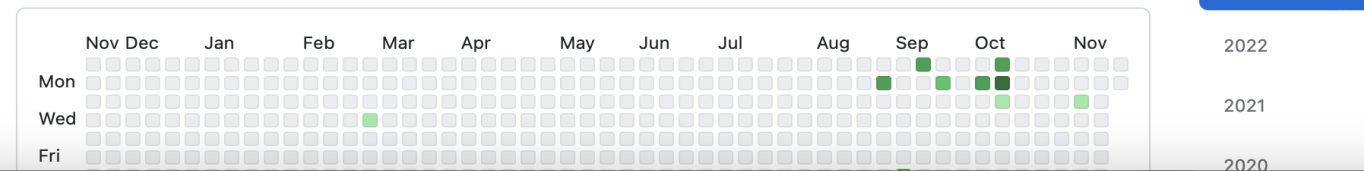


Repository Name	Language	Stars	Public
sub1		1	Public
inGroupFavoritism	R		Public
shiny			Public
so13839			Public
coursera-compinvesting1-hw	Python		Public
shiny-server	R		Public

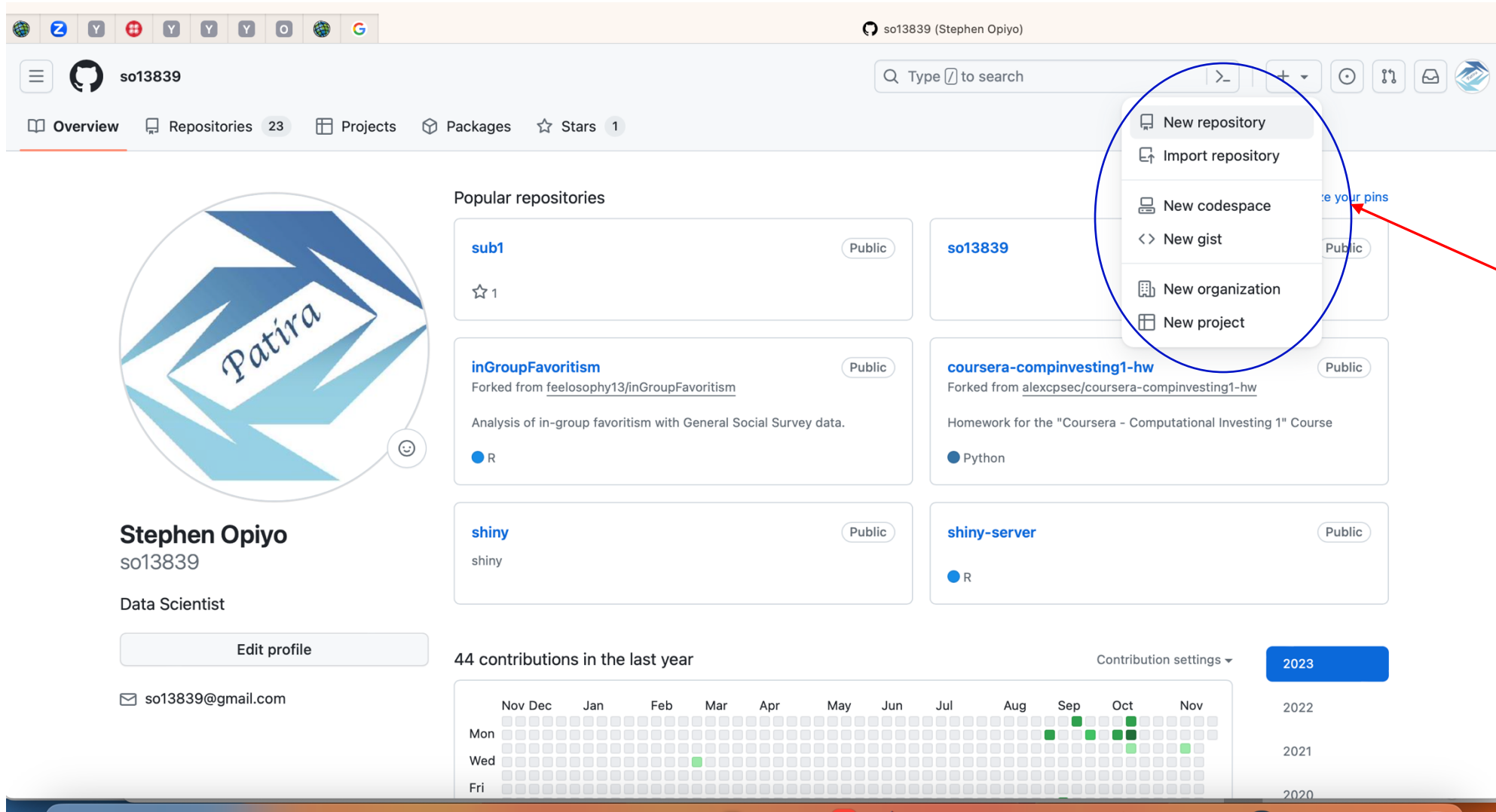
Click to create a RP

## 44 contributions in the last year

Contribution settings



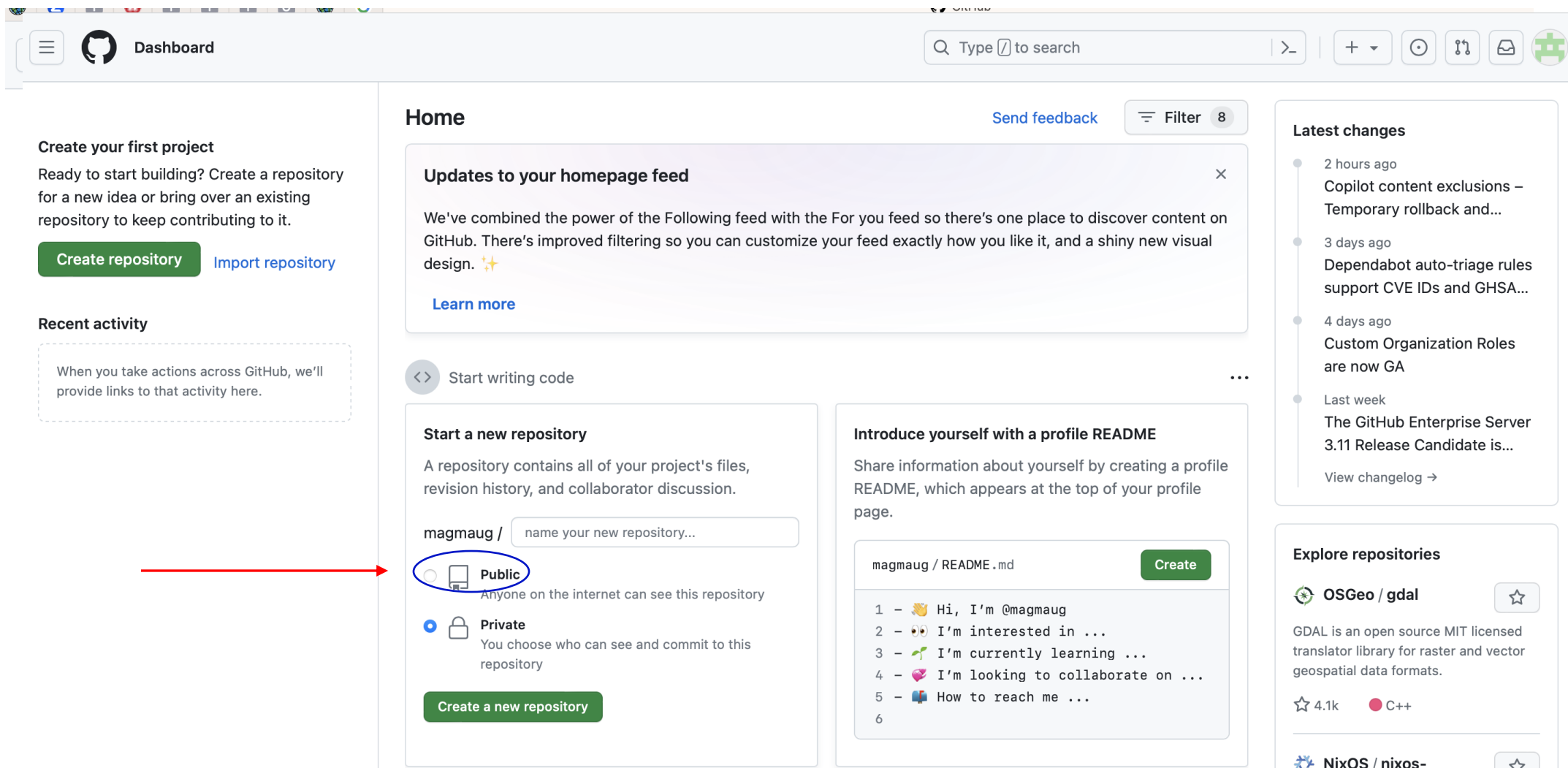
# Making a Repository (RP)



The screenshot shows the GitHub profile of user **so13839** (Stephen Opiyo), a Data Scientist. The profile includes a bio, email address (so13839@gmail.com), and a calendar showing 44 contributions in the last year. A dropdown menu is open, showing options for creating new content: New repository, Import repository, New codespace, New gist, New organization, and New project. A red arrow points to the 'New repository' option.

Select your option

# Make Public repository



**Create your first project**  
Ready to start building? Create a repository for a new idea or bring over an existing repository to keep contributing to it.

[Create repository](#) [Import repository](#)

**Recent activity**  
When you take actions across GitHub, we'll provide links to that activity here.

**Home** [Send feedback](#) [Filter](#) 8

**Updates to your homepage feed** ✕  
We've combined the power of the Following feed with the For you feed so there's one place to discover content on GitHub. There's improved filtering so you can customize your feed exactly how you like it, and a shiny new visual design. ✨  
[Learn more](#)

[Start writing code](#) ...

**Start a new repository**  
A repository contains all of your project's files, revision history, and collaborator discussion.

magmaug /

☒ **Public**  
Anyone on the internet can see this repository

☐ **Private**  
You choose who can see and commit to this repository

[Create a new repository](#)

**Introduce yourself with a profile README**  
Share information about yourself by creating a profile README, which appears at the top of your profile page.

magmaug / README.md [Create](#)


```
1 - 🦋 Hi, I'm @magmaug
2 - 🐼 I'm interested in ...
3 - 🌱 I'm currently learning ...
4 - 💖 I'm looking to collaborate on ...
5 - 📫 How to reach me ...
6
```

**Latest changes**

- 2 hours ago  
Copilot content exclusions – Temporary rollback and...
- 3 days ago  
Dependabot auto-triage rules support CVE IDs and GHSA...
- 4 days ago  
Custom Organization Roles are now GA
- Last week  
The GitHub Enterprise Server 3.11 Release Candidate is...


[View changelog →](#)

**Explore repositories**

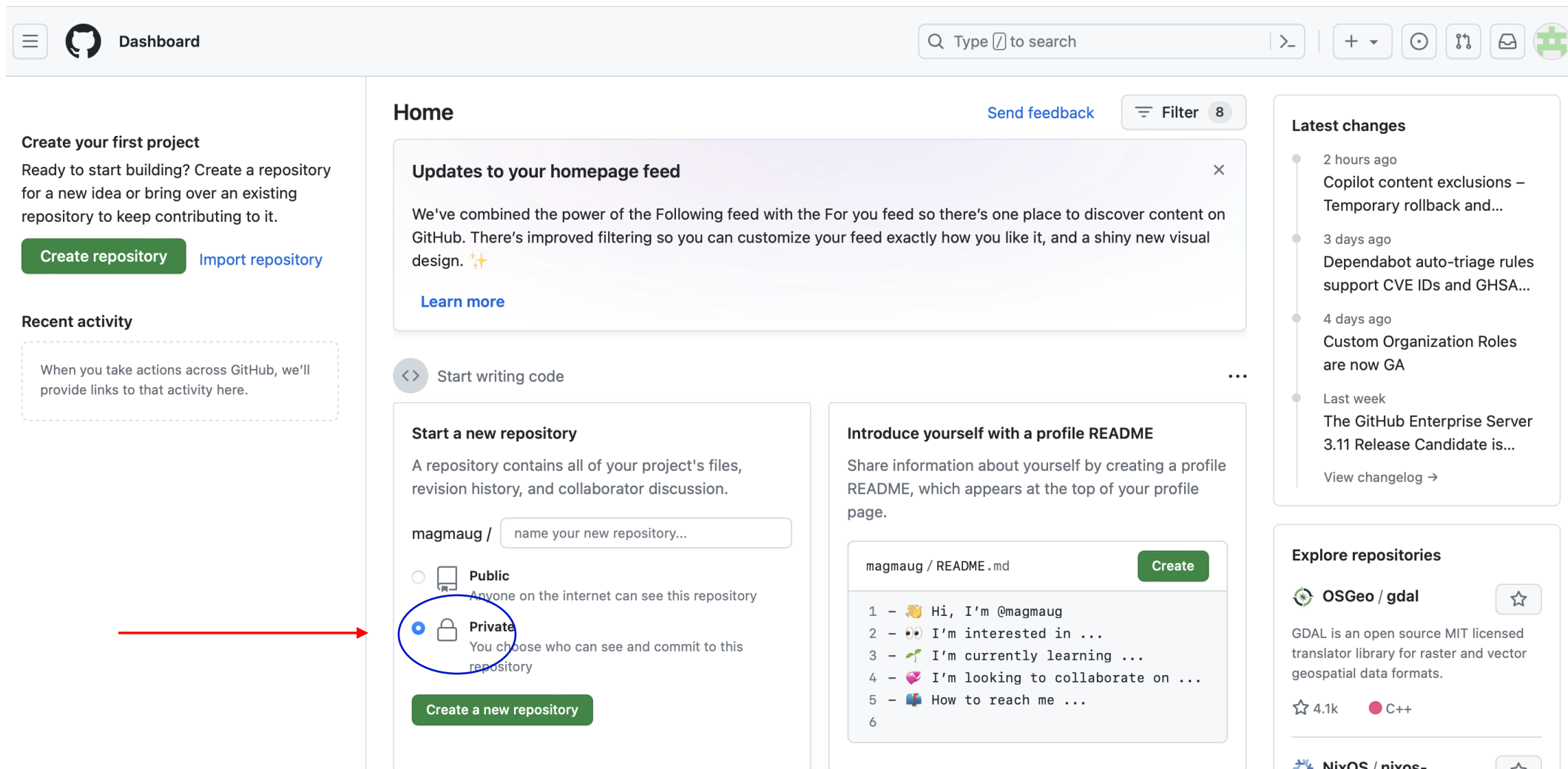
 **OSGeo / gdal** [☆](#)

GDAL is an open source MIT licensed translator library for raster and vector geospatial data formats.

☆ 4.1k    ● C++

 **NixOS / nixos-** [☆](#)

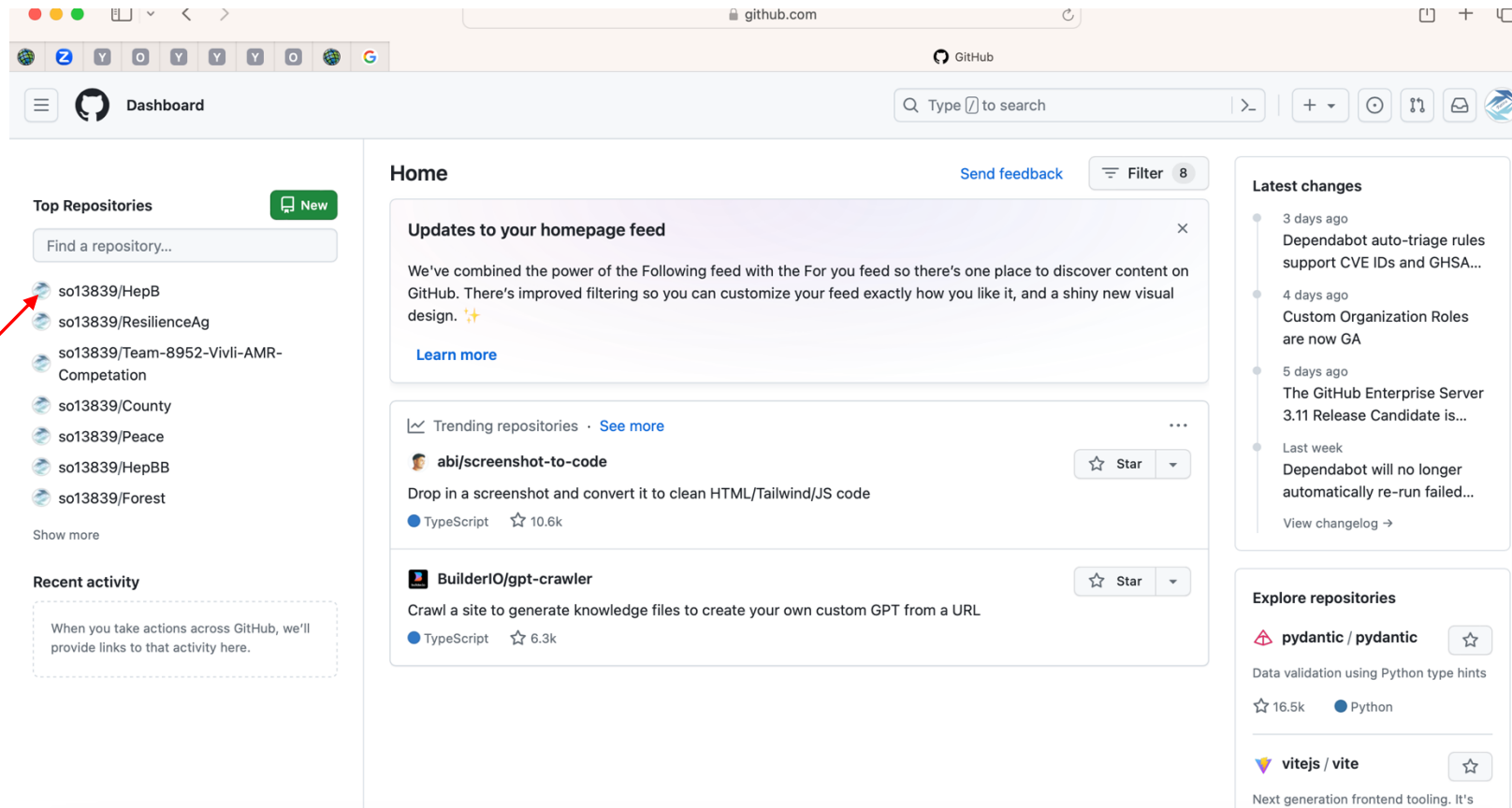
# Make Private repository



The screenshot shows the GitHub Dashboard interface. On the left sidebar, there's a 'Create your first project' section with 'Create repository' and 'Import repository' buttons. Below it is 'Recent activity'. The main content area is titled 'Home' and includes a 'Send feedback' link and a 'Filter' button with a count of 8. A large purple box at the top of the main area contains an 'Updates to your homepage feed' message. Below this, there's a 'Start writing code' button. The 'Start a new repository' section is highlighted with a red arrow pointing to the 'Private' radio button. This section includes a description of a repository, a text input for the repository name (pre-filled with 'magmaug /'), and two radio button options: 'Public' (selected by default) and 'Private' (which is circled in blue and pointed to by the red arrow). Below these options is a 'Create a new repository' button. To the right of the 'Start a new repository' section is the 'Introduce yourself with a profile README' section, which includes a text area for a README and a 'Create' button. On the far right, there's a 'Latest changes' section with a list of recent updates and a 'View changelog' link. Below that is an 'Explore repositories' section showing 'OSGeo / gdal' and 'NixOS / nixos-'. The bottom of the dashboard shows a 'Recent activity' section with a message about links to activity.



- Repository (“repo”):
  - Every project of GitHub is called repository
  - A folder for a project that contains all the files and their version



# Repository

so13839 / HepB

Q

Type ↵ to search

>\_

<>

Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

HepB

Public

Pin

Unwatch 1

Fork 0

Star 0

main

1 branch

0 tags

Go to file

Add file

<> Code

About

so13839 Add files via upload

b102fb7 on Oct 10 7 commits

Logistic_Model.RDS	Add files via upload	last month
README.md	Initial commit	last month
model_DTC.RDS	Add files via upload	last month
new_dfD_672_400_L.csv	Add files via upload	last month
server.R	Add files via upload	last month
ui.R	Add files via upload	last month

README.md

HepB

No description, website, or topics provided.

Readme

Activity

0 stars

1 watching

0 forks

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Repository

Folders

# Uploading a File to GitHub from Your Computer

- Go to your GitHub repository (project folder online)
- Click on the “Add file” button (top right)
- Select “Upload files” from the dropdown
- Drag and drop the file from your computer
- or click “choose your files” to browse
- Add a commit message (e.g., “Added draft manuscript”)
- Click “Commit changes” to upload

# Downloading files from GitHub

- **Option 1: Download a Zip file**
- **Download the whole repository**
  - Go to the main page of the repository.
  - Click the green <> **Code** button.
  - Select "**Download ZIP**".
  - Extract the ZIP file to access the files.

so13839 / Team-8952-Vivli-AMR-Competition

Type to search

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

Team-8952-Vivli-AMR-Competition

Public

Pin

Unwatch 1

Fork 0

Star 0

main

1 Branch

0 Tags

Go to file

+

<> Code

Local

Codespaces

Clone

HTTPS

SSH

GitHub CLI

https://github.com/so13839/Team-8952-Vivli-

Clone using the web URL.

Open with GitHub Desktop

Download ZIP

so13839 Add files via upload

data

documents

scripts

AMR-project-Uganda-USA-UK-Team\_Fi...

Countries.docx

Country.csv

Pitch\_Presentation.pptx

README.md

Team-8952-Presentation.pptx

Vivli\_Intial\_abstract.pdf

World.R

Readme

About

Empowering Global AMR Research Community: Interactive GIS Dashboards for AMR Data Analysis and Informed Decision-Making

Readme

Activity

0 stars

1 watching

0 forks

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Languages

HTML 98.1%

R 1.9%


Green code














Zip

# Downloading files from GitHub

- **Option 2: Download a single file**
- Click on the file you want
- Click the “Raw” button
- Right-click and choose “Save As...” to download
- Now you have a copy of the file(s) on your computer!

 main
  1 Branch
  0 Tags


 Code

 <b>so13839</b> Add files via upload	6e9f810 · 5 months ago	 22 Commits
 data	Add files via upload	5 months ago
 documents	Add files via upload	7 months ago
 scripts	Add files via upload	11 months ago
 AMR-project-Uganda-USA-UK-Team_Fi...	Add files via upload	2 years ago
 <b>Countries.docx</b>	Add files via upload	2 years ago
 Country.csv	Add files via upload	2 years ago
 Pitch_Presentation.pptx	Add files via upload	2 years ago
 README.md	Update README.md	2 years ago
 Team-8952-Presentation.potx	Add files via upload	2 years ago
 Vivli_Intial_abstract.pdf	Add files via upload	2 years ago
 World.R	Add files via upload	2 years ago

## About



Empowering Global AMR Research  
Community: Interactive GIS Dashboards  
for AMR Data Analysis and Informed  
Decision-Making

 Readme

 Activity

 0 stars

 1 watching

 0 forks

## Releases

No releases published

[Create a new release](#)

## Packages

No packages published

[Publish your first package](#)

## Languages

main **Team-8952-Vivli-AMR-Competation / Countries.docx** Go to file t ...

so13839 Add files via upload 30bacd0 · 2 years ago History

Code Blame 14.1 KB View raw

Raw Copy Download Edit ...

Download raw file

Single File

Downlaod



# Activity

- Create a Github account online
- Upload agriculture csv file
- Download the agriculture csv file

❖ RUFORUM

❖ ALL ATTENDEES

❖ PATIRA DATA SCIENCE TEAM

*THANK YOU*