

# Módulo III: Repositorios para la difusión científica

# GitHub

Oscar Alberto Chávez Bosquez

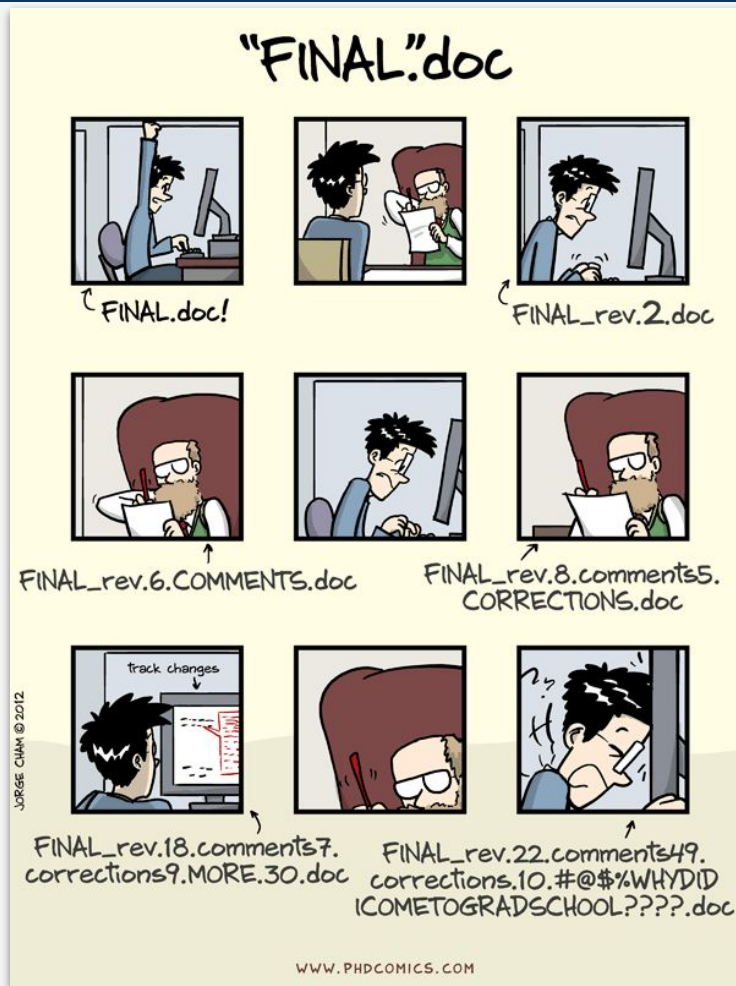
28 de junio de 2025



<https://creativecommons.org/licenses/by/4.0/deed.es>

# Introducción

# Versiones de un documento



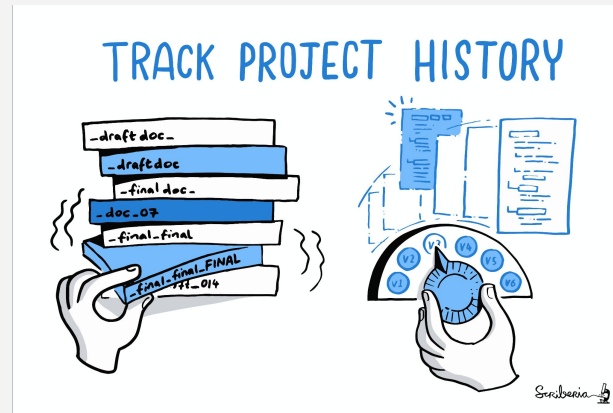
# Control de versiones

❖ ¿Google Drive, OneDrive, DropBox?

Control de documentos /  
Código fuente

vs

Almacenamiento  
de archivos



# Sistema de control de versiones Git

- ❖ Surge de la comunidad Linux
- ❖ Linus Torvalds en 2005
- ❖ Objetivo:
  - Soporte de desarrollo colaborativo
  - Apto para proyectos grandes
  - Eficiencia



# GitHub

- ❖ Plataforma gratuita para el control de versiones
- ❖ Desarrollada como proyecto libre
- ❖ Adquirida por Micro\$oft en 2018 por USD \$7.5 mM
- ❖ Alternativas:
  - GitLab,
  - SourceForge,
  - ...



# GitHub

- ❖ “Seguir”, clonar o descargar proyectos de otros usuarios
- ❖ Repositorios públicos son gratis (300 MB)
- ❖ Repositorios privados cuestan \$
- ❖ GitHub para estudiantes: <https://education.github.com/pack>
- ❖ GitHub para  
profesores: <https://education.github.com/teachers>

# Ejemplos

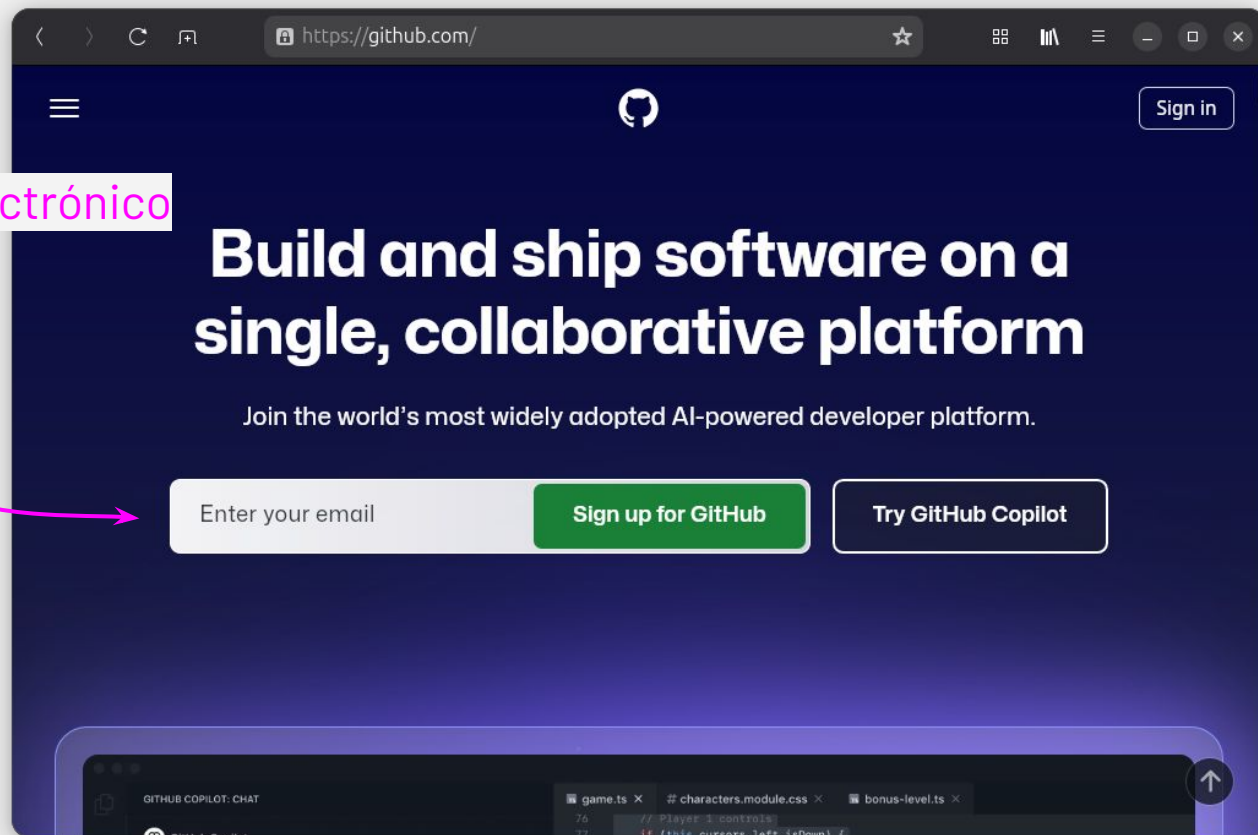
- ❖ Modelos de IA: <https://github.com/tensorflow/models>
- ❖ Portal web: <https://midas4cs.github.io/edoc/2023/>
- ❖ Repositorio de documentos:  
[https://github.com/ISG-UAH/elap2022/blob/main/diplomas/156\\_ELAP2022.pdf](https://github.com/ISG-UAH/elap2022/blob/main/diplomas/156_ELAP2022.pdf)
- ❖ Material de clase:  
<https://chavezbosquez.github.io/latex/tesis2.html>



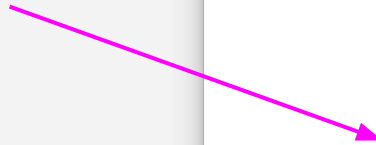
Mi primer  
repositorio

# 1. Registro desde <https://github.com>

Correo electrónico



Seleccionar un nombre de usuario no existente




Already have an account? [Sign in](#) →

## Create your free account

Explore GitHub's core features for individuals and organizations.

[See what's included](#) ▾



### Sign up to GitHub

Email\*  
oscar.chavez@ujat.mx ✓

Password\*  
\*\*\*\*\* ✓  
Password should be at least 15 characters OR at least 8 characters including a number and a lowercase letter.

Username\*  
chavezgit ✓

Username may only contain alphanumeric characters or single hyphens, and cannot begin or end with a hyphen.

Your Country/Region\*  
Mexico ▾

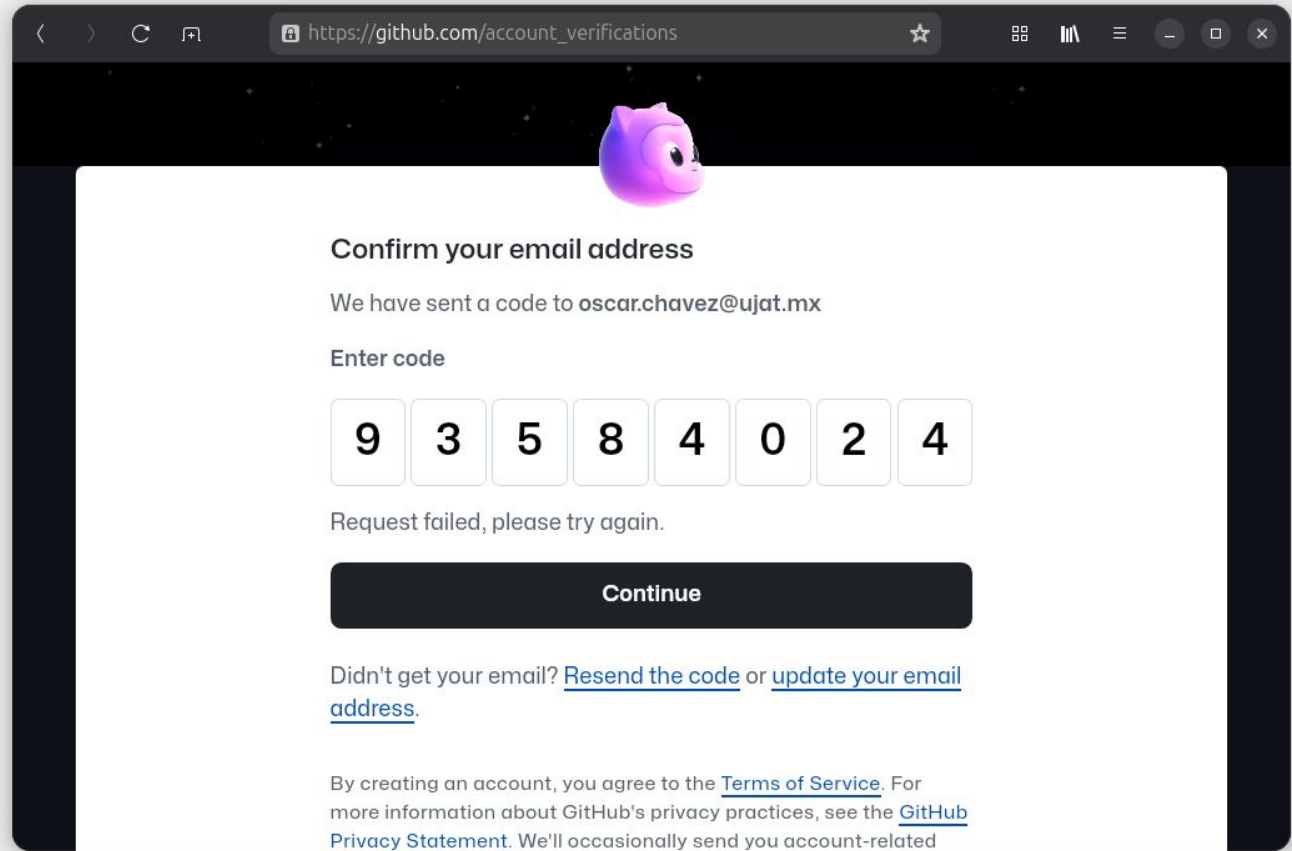
For compliance reasons, we're required to collect country information to send you occasional updates and announcements.

Email preferences  
☐ Receive occasional product updates and announcements

[Continue](#) >

By creating an account, you agree to the [Terms of Service](#). For more information about GitHub's privacy practices, see the [GitHub Privacy Statement](#). We'll occasionally send you account-related emails.

Después de comprobar que somos humanos (sic),  
revisar la bandeja de correo electrónico y pegar el código



Confirm your email address

We have sent a code to oscar.chavez@ujat.mx

Enter code

9 3 5 8 4 0 2 4

Request failed, please try again.

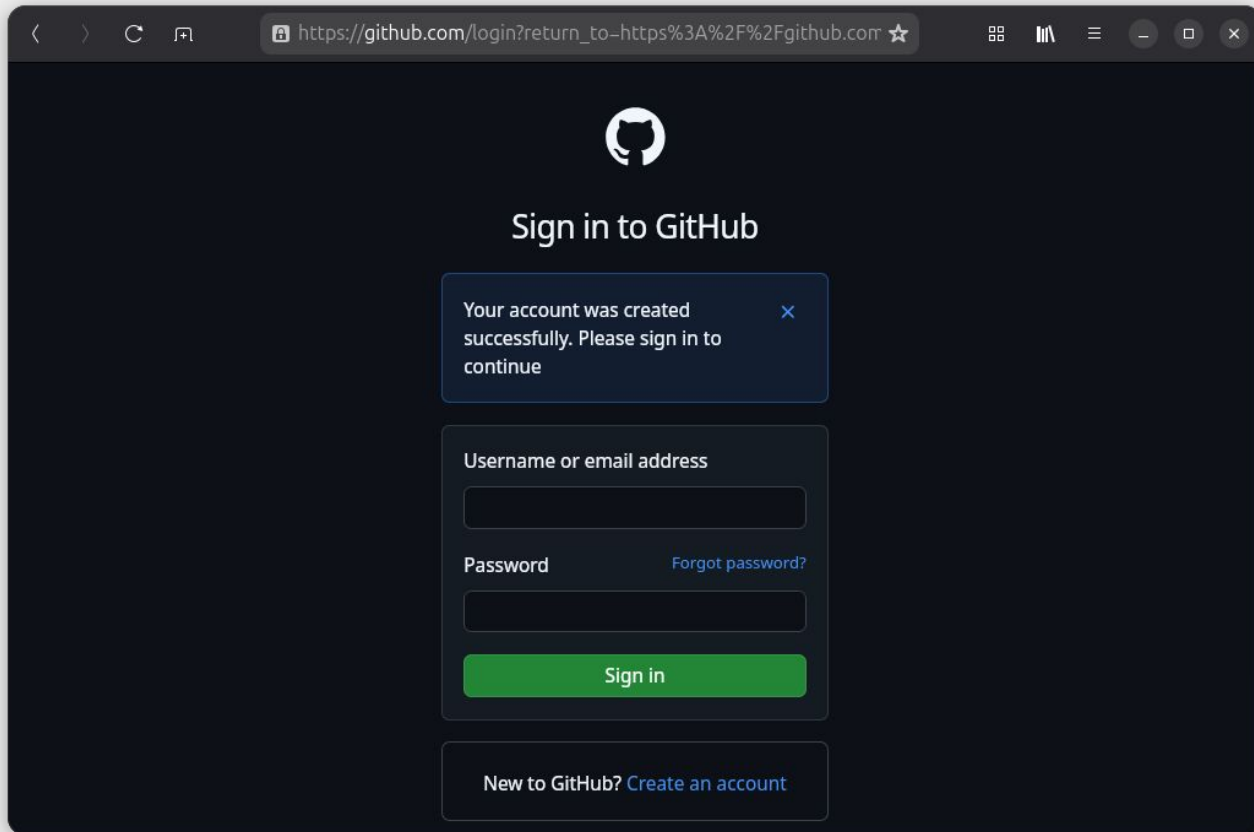
Continue

Didn't get your email? [Resend the code](#) or [update your email address](#).

By creating an account, you agree to the [Terms of Service](#). For more information about GitHub's privacy practices, see the [GitHub Privacy Statement](#). We'll occasionally send you account-related

Nota: El correo institucional tarda aproximadamente 1 hora en recibir el código 🙄

## 2. Iniciar sesión



A screenshot of the GitHub login page in a web browser. The browser's address bar shows the URL `https://github.com/login?return_to=https%3A%2F%2Fgithub.com`. The page has a dark theme. At the top center is the GitHub Octocat logo. Below it, the text "Sign in to GitHub" is displayed. A success message box states: "Your account was created successfully. Please sign in to continue". Below this is a form with two input fields: "Username or email address" and "Password". A link "Forgot password?" is next to the password field. A green "Sign in" button is at the bottom of the form. At the very bottom, a link "New to GitHub? Create an account" is shown.

Sign in to GitHub

Your account was created successfully. Please sign in to continue

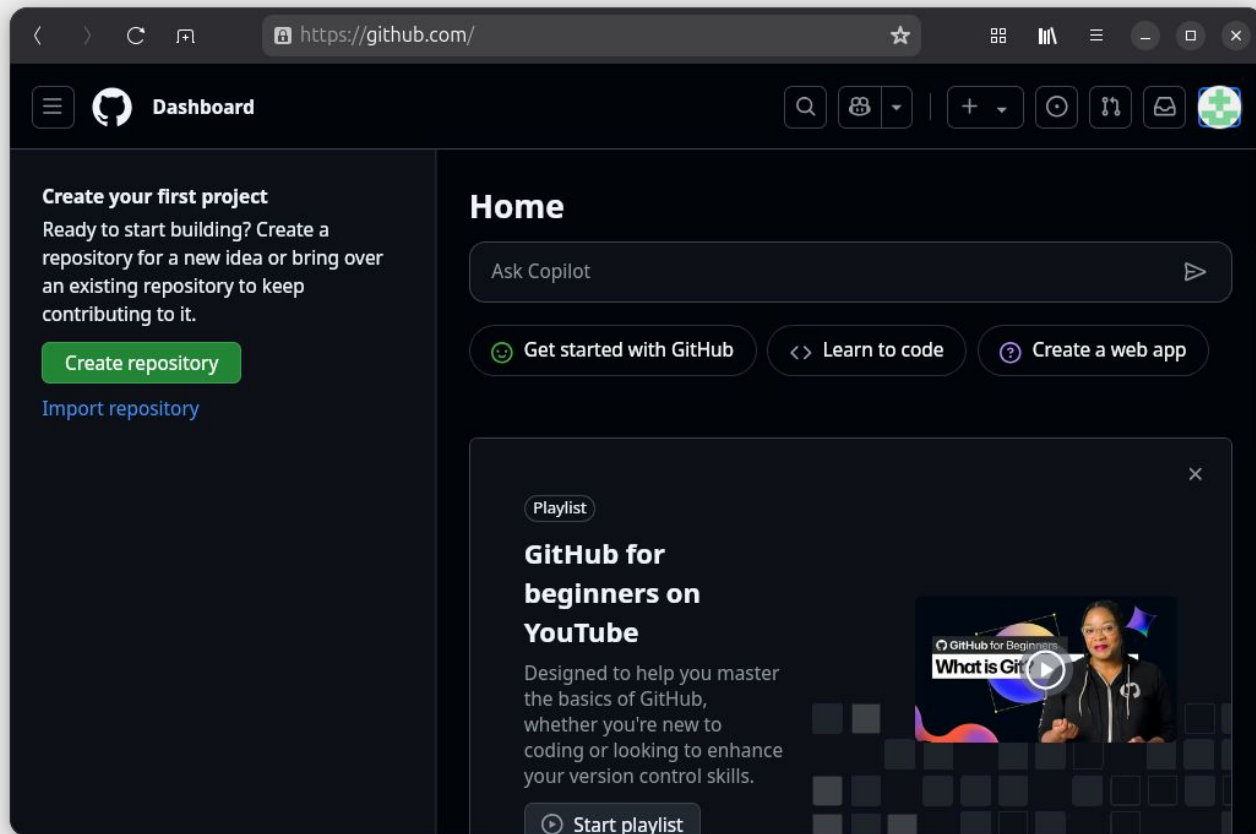
Username or email address

Password [Forgot password?](#)

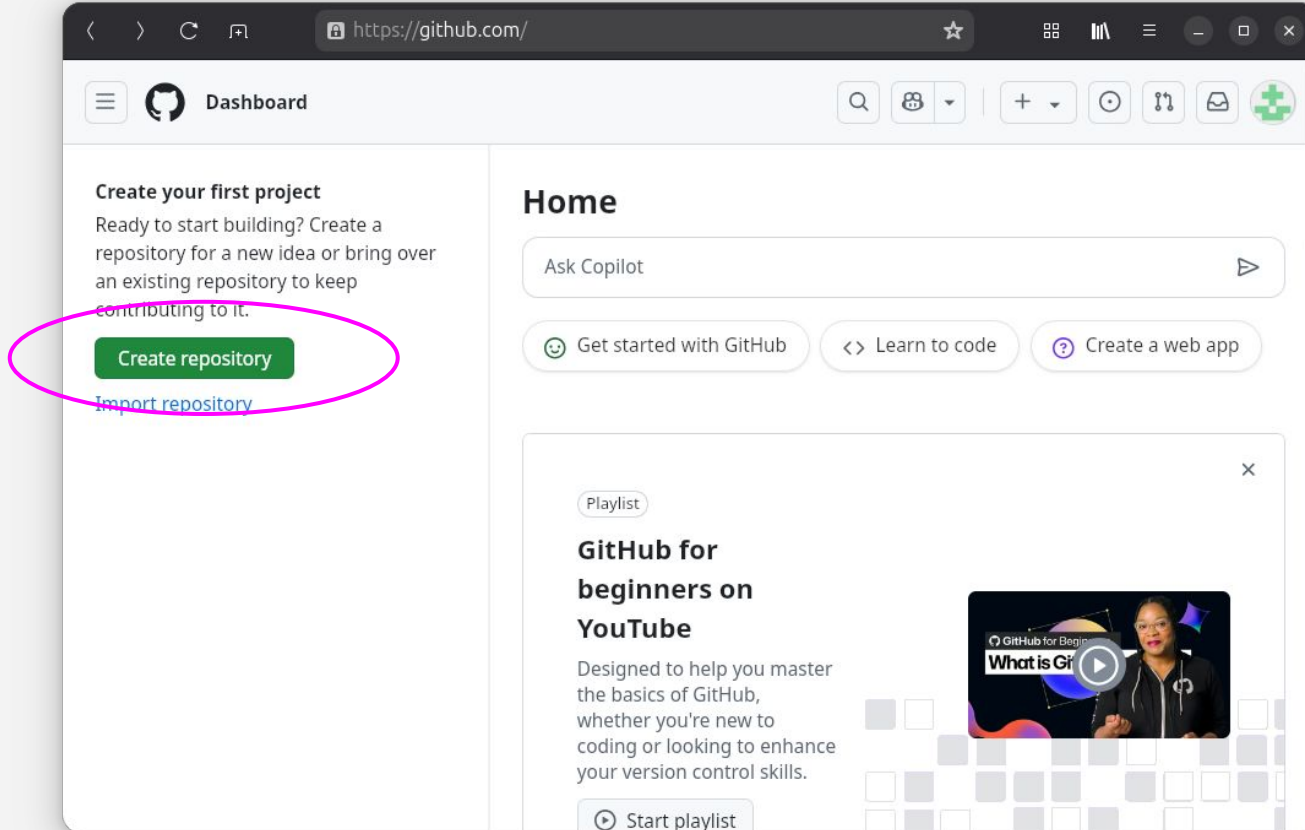
Sign in

New to GitHub? [Create an account](#)

# 3. ¡Estamos dentro!



## 4. Crear un nuevo repo



Nombre descriptivo

Descripción corta

¡Público!

Descripción detallada

Licencia permisiva:

<https://opensource.org/licenses/mit>

The screenshot shows the GitHub 'New repository' page. On the left, five pink arrows point from text labels to specific form fields: 'Nombre descriptivo' points to the 'Repository name' field; 'Descripción corta' points to the 'Description' field; '¡Público!' points to the 'Public' radio button; 'Descripción detallada' points to the 'Add a README file' checkbox; and 'Licencia permisiva:' points to the 'License' dropdown menu. The form itself includes fields for 'Owner' (chavezgit) and 'Repository name' (material-diplomado), a 'Description' field containing 'Módulo III: Repositorios para la difusión científica', radio buttons for 'Public' and 'Private' (with 'Public' selected), a checked checkbox for 'Add a README file', a '.gitignore' template dropdown set to 'None', and a 'License' dropdown set to 'MIT License'. A green 'Create repository' button is at the bottom right.

https://github.com/new

New repository

### Create a new repository

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

Required fields are marked with an asterisk (\*).

**Owner \*** **Repository name \***

chavezgit / material-diplomado

material-diplomado is available.

Great repository names are short and memorable. Need inspiration? How about **glowing-octo-rotary-phone** ?

**Description** (optional)

Módulo III: Repositorios para la difusión científica

☒ **Public**  
Anyone on the internet can see this repository. You choose who can commit.

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

**Initialize this repository with:**

☒ Add a README file  
This is where you can write a long description for your project. [Learn more about READMEs.](#)

**Add .gitignore**

.gitignore template: None

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

**Choose a license**

License: MIT License

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

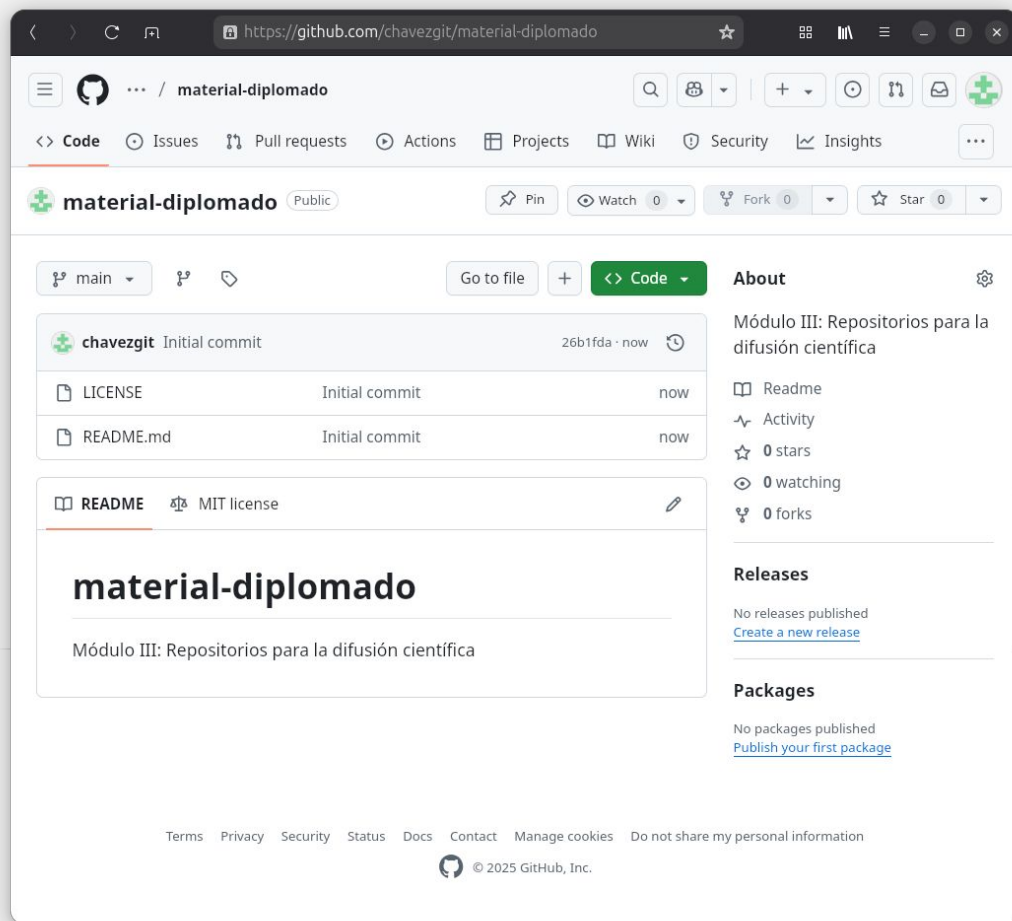
This will set `main` as the default branch. Change the default name in your [settings](#).

① You are creating a public repository in your personal account.

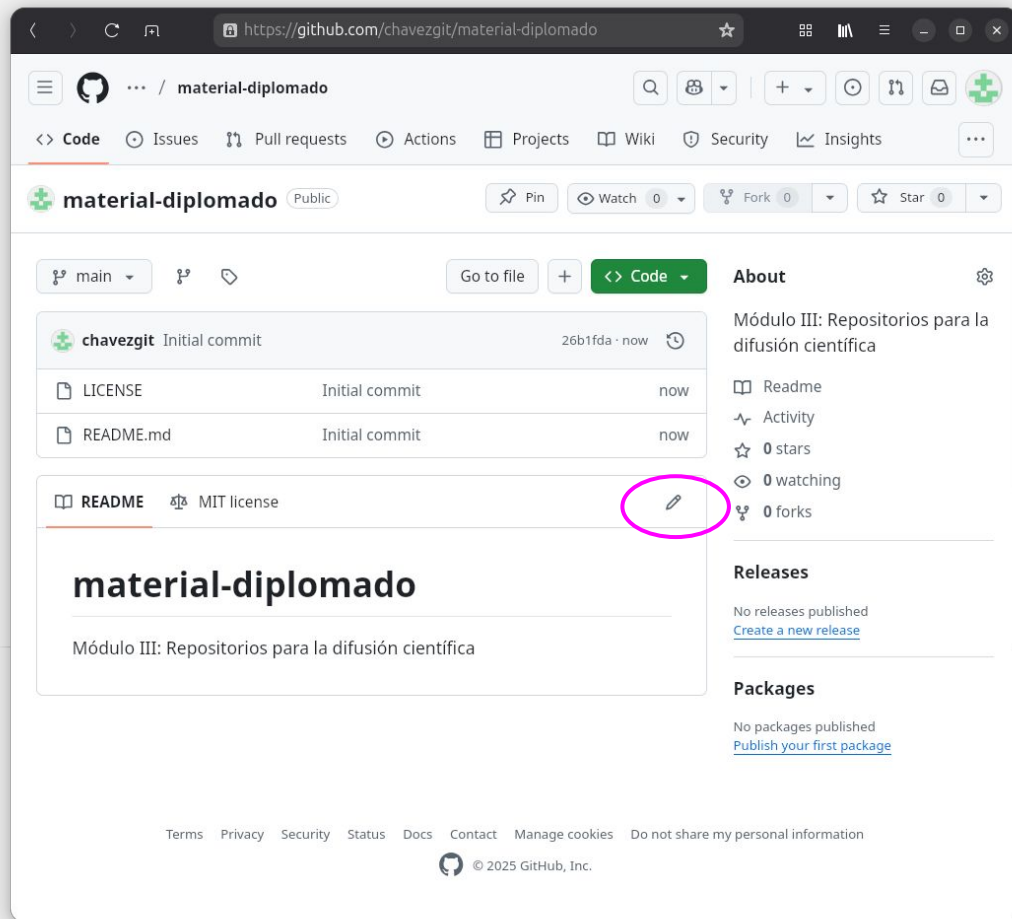
Create repository

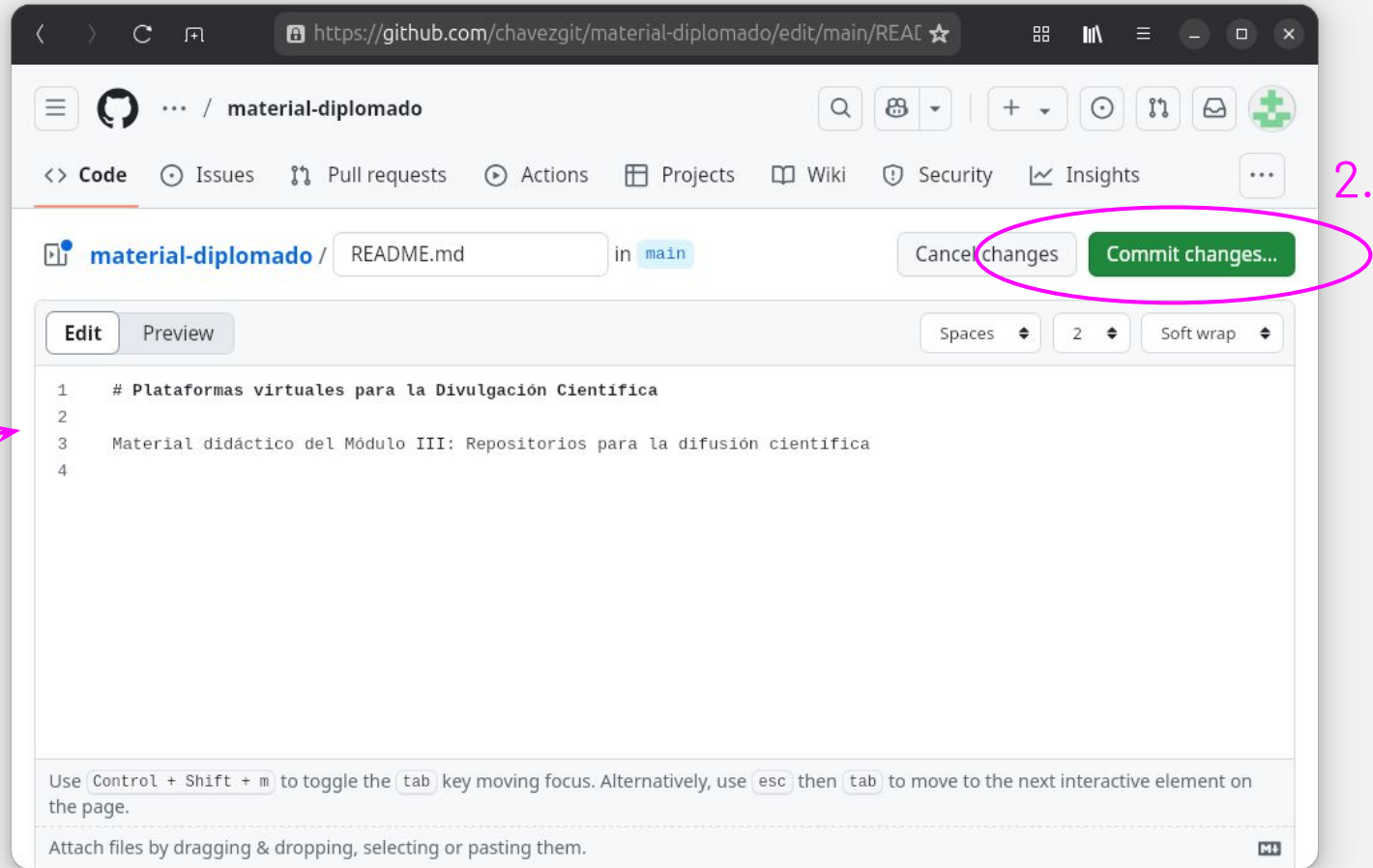


# 5. Repo listo



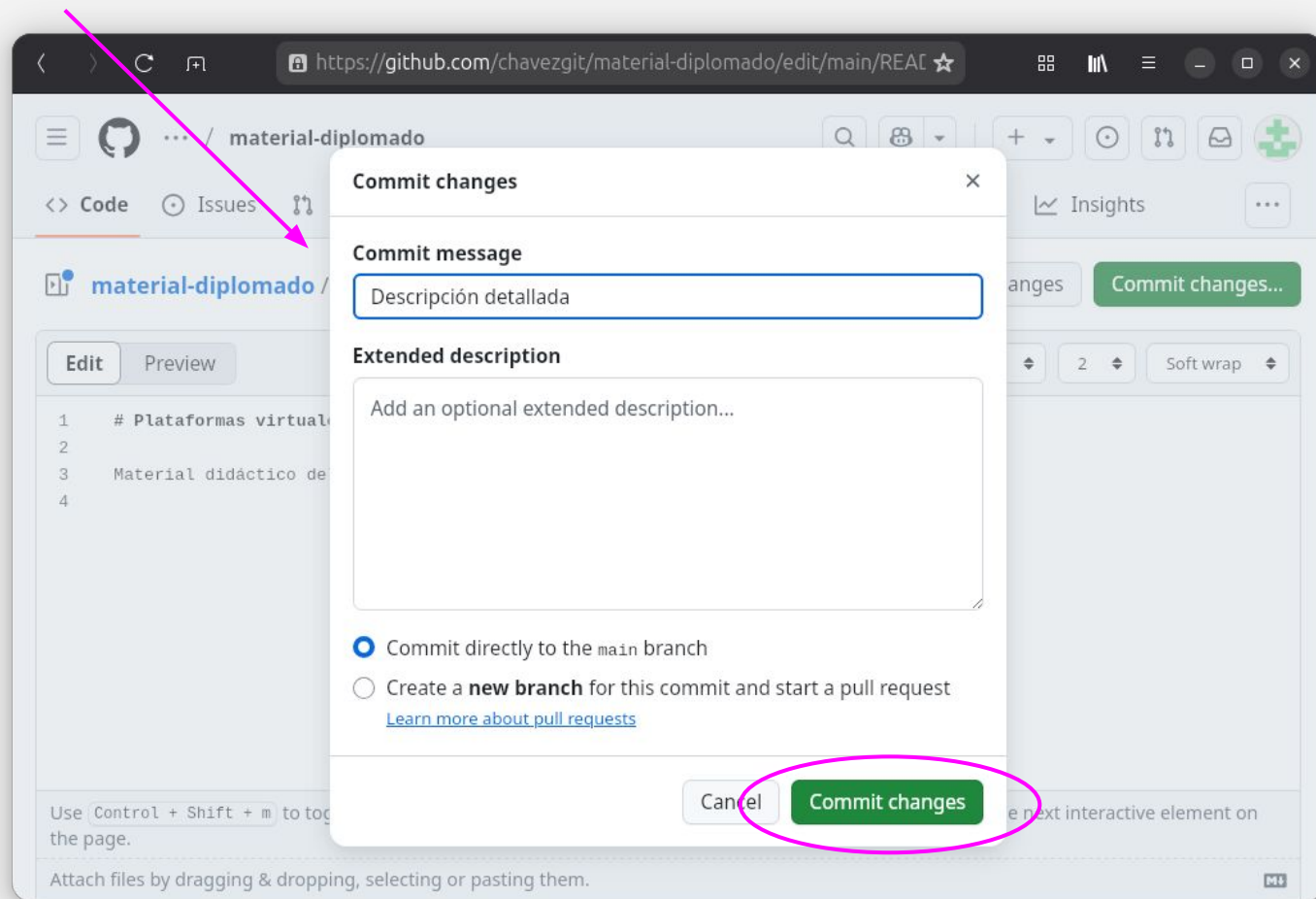
## 6. Editar descripción detallada





1. Editar descripción en lenguaje Markdown:  
<https://www.markdownguide.org/cheat-sheet/>

### 3. Mensaje corto de la modificación realizada



### 4. Publicar cambios

Fecha de la última actualización

Contenido del archivo actualizado

https://github.com/chavezgit/material-diplomado

material-diplomado

Code Issues Pull requests Actions Projects Wiki Security Insights

material-diplomado Public

main

Go to file + <> Code

chavezgit	Descripción detallada	120441c · 1 minute ago
LICENSE	Initial commit	10 minutes ago
README.md	Descripción detallada	1 minute ago

README MIT license

## Plataformas virtuales para la Divulgación Científica

Material didáctico del Módulo III: Repositorios para la difusión científica

About

Módulo III: Repositorios para la difusión científica

- Readme
- MIT license
- Activity
- 0 stars
- 0 watching
- 0 forks

Releases

No releases published  
[Create a new release](#)

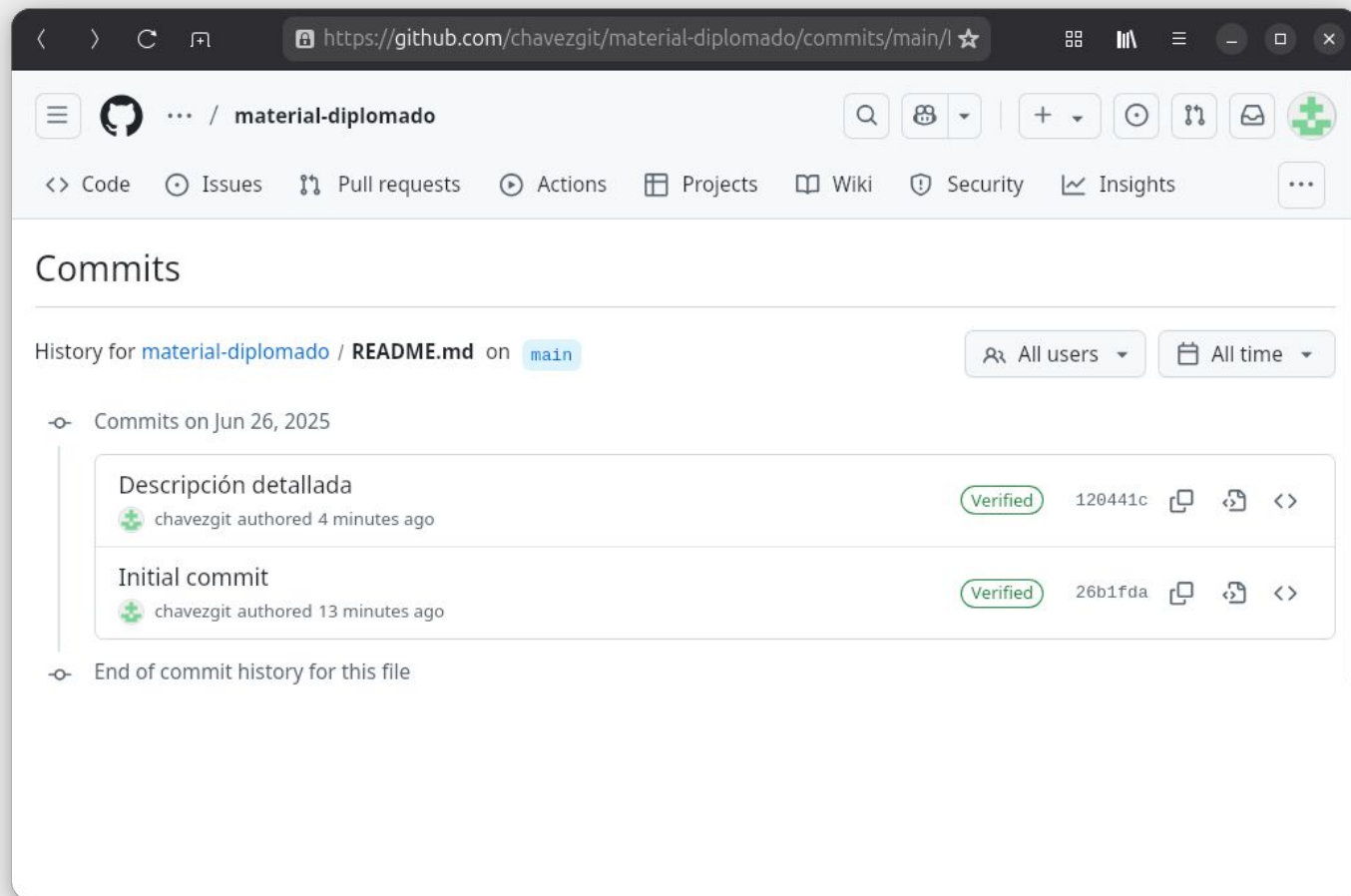
Packages

No packages published  
[Publish your first package](#)

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!Las versiones anteriores quedan guardadas!



The screenshot shows a web browser window displaying the GitHub repository page for `chavezgit/material-diplomado`. The URL in the address bar is `https://github.com/chavezgit/material-diplomado/commits/main/`. The repository name `material-diplomado` is shown in the header. Below the header, there are navigation tabs for `Code`, `Issues`, `Pull requests`, `Actions`, `Projects`, `Wiki`, `Security`, and `Insights`. The main section is titled `Commits`. Below this, it shows the commit history for `material-diplomado / README.md` on the `main` branch. There are filters for `All users` and `All time`. The commit history shows two commits on June 26, 2025. The first commit is titled `Descripción detallada` and was authored by `chavezgit` 4 minutes ago. It has a `Verified` status and a commit hash of `120441c`. The second commit is titled `Initial commit` and was authored by `chavezgit` 13 minutes ago. It also has a `Verified` status and a commit hash of `26b1fda`. The page ends with the text `End of commit history for this file`.

Commits

History for `material-diplomado / README.md` on `main`

`All users` `All time`

Commits on Jun 26, 2025

**Descripción detallada** Verified `120441c` `Copy` `Diff` `Compare`

`chavezgit` authored 4 minutes ago

**Initial commit** Verified `26b1fda` `Copy` `Diff` `Compare`

`chavezgit` authored 13 minutes ago

End of commit history for this file

# Control de versiones 🧐

https://github.com/chavezgit/material-diplomado/commit/120441c

material-diplomado

<> Code Issues Pull requests Actions Projects Wiki Security Insights

Commit 120441c

chavezgit authored 4 minutes ago (Verified)

Descripción detallada

main 1 parent 26b1fda commit 120441c

Filter files... README.md

1 file changed +3 -2 lines changed

Search within code

README.md

```
@@ -1,2 +1,3 @@
1 - # material-diplomado
2 - Módulo III: Repositorios para la difusión científica
1 + # Plataformas virtuales para la Divulgación Científica
2 +
3 + Material didáctico del Módulo III: Repositorios para la difusión
  científica
```

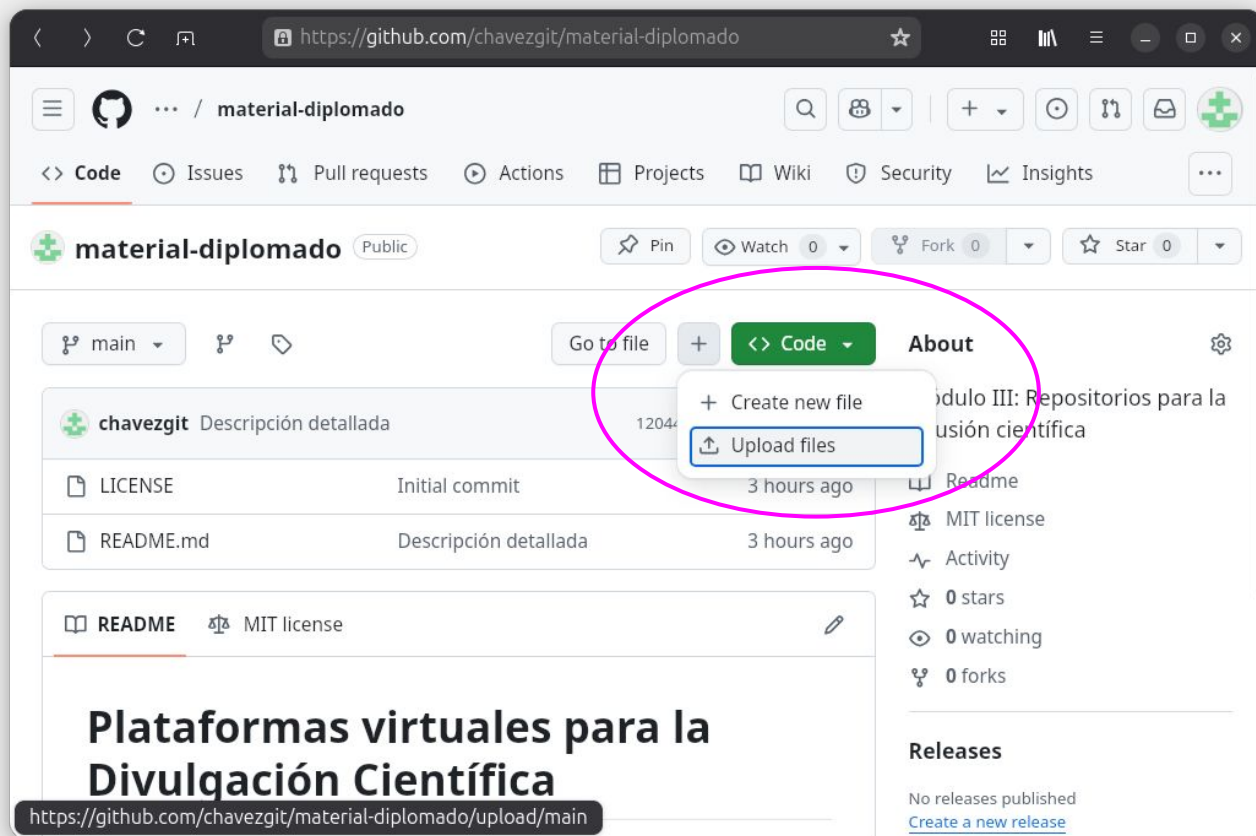
Comments 0 Lock conversation

Comment

Subscribe You're not receiving notifications from this thread.

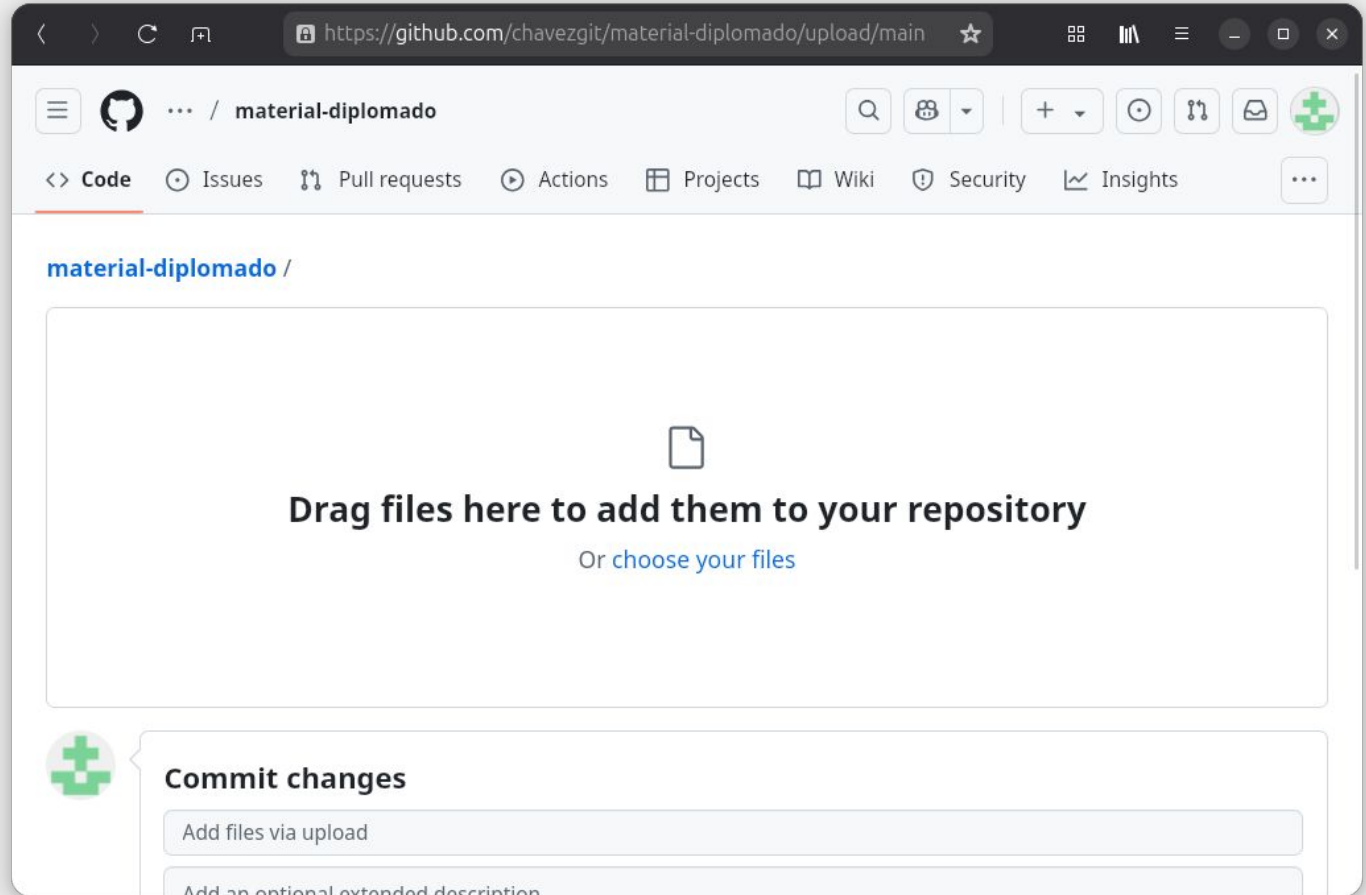
Nota: Solo aplica para archivos de texto. Ideal para código fuente 🧑

# 7. Publicar un documento





## Cargar uno o más archivos a la vez



Descripción corta



https://github.com/chavezgit/material-diplomado/upload/main


material-diplomado

Code Issues Pull requests Actions Projects Wiki Security Insights

material-diplomado /

Drag additional files here to add them to your repository  
Or [choose your files](#)

Licencias Creative Commons.pdf

 **Commit changes**

Introducción

Add an optional extended description...

☒ Commit directly to the `main` branch.

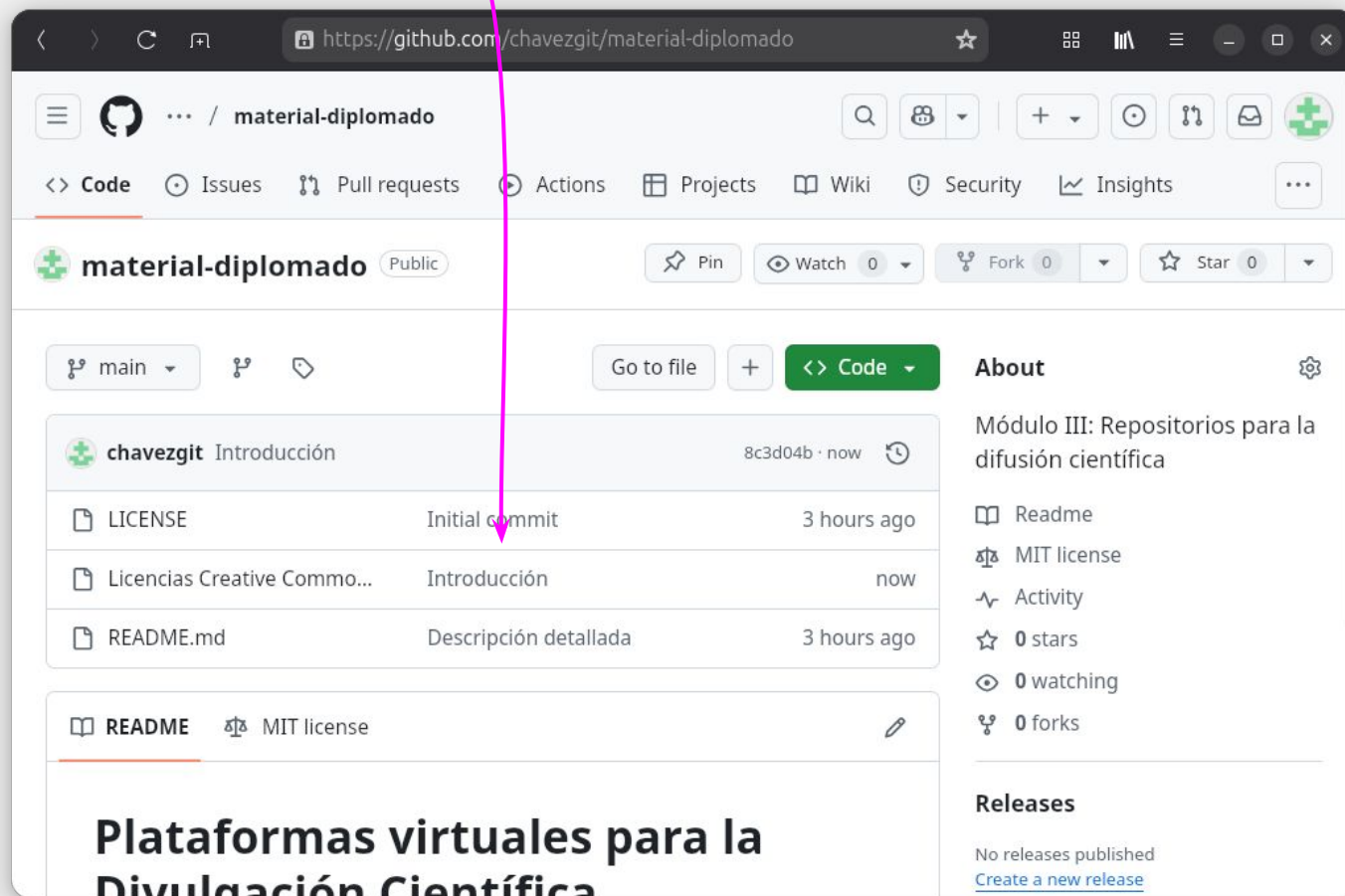
☐ Create a **new branch** for this commit and start a pull request. [Learn more about pull requests.](#)

**Commit changes** Cancel

Terms Privacy Security Status Docs Contact Manage cookies Do not share my personal information

© 2025 GitHub, Inc.

Documento en línea



The screenshot shows the GitHub interface for the repository 'material-diplomado' by user 'chavezgit'. The repository is public and has 0 stars, 0 forks, and 0 watchers. The main branch is 'main'. The file list shows three files: 'LICENSE' (Initial commit, 3 hours ago), 'Licencias Creative Commo...' (Introducción, now), and 'README.md' (Descripción detallada, 3 hours ago). The 'README.md' file is selected, and its content is displayed below. The title of the README is 'Plataformas virtuales para la Divulgación Científica'. The right sidebar shows the 'About' section with the description 'Módulo III: Repositorios para la difusión científica' and links to 'Readme', 'MIT license', 'Activity', '0 stars', '0 watching', and '0 forks'. The 'Releases' section shows 'No releases published' and a link to 'Create a new release'.

https://github.com/chavezgit/material-diplomado

material-diplomado

Code Issues Pull requests Actions Projects Wiki Security Insights

material-diplomado Public

Pin Watch 0 Fork 0 Star 0

main

Go to file + <> Code

chavezgit Introducción 8c3d04b · now

LICENSE	Initial commit	3 hours ago
Licencias Creative Commo...	Introducción	now
README.md	Descripción detallada	3 hours ago

README MIT license

## Plataformas virtuales para la Divulgación Científica

About

Módulo III: Repositorios para la difusión científica

Readme MIT license Activity 0 stars 0 watching 0 forks

Releases

No releases published [Create a new release](#)

# URL del repositorio

<https://github.com/chavezgit/material-diplomado>