

What is GitHub?

GITHUB CONCEPTS



Jasmin Ludolf

Content Developer, DataCamp

Course overview

- How to use GitHub for projects and version control
- Do everyday tasks on GitHub, such as creating Personal Access Tokens (PATs)



Chapter overview

- What is GitHub
- Benefits of using GitHub
- The difference between GitHub and Git



GitHub



- Cloud-based hosting service
- Allows users to store and track their work, aka version control
- On-demand resources over the internet, such as storage
- We don't have to store large files locally!
- Similar to GitHub: GitLab, BitBucket

¹ iStock image credit:vectorwin

GitHub uses

- Storing projects
- Keeping track of projects and files
- Collaborating with others
- Social network
- Open-source projects



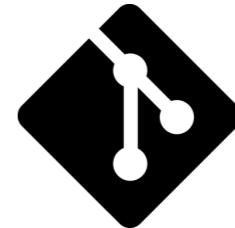
¹ iStock illustration ID:981887940

GitHub vs. Git



GitHub

- Enhances Git
- Easier to manage projects and collaborate
- Can't use GitHub without Git

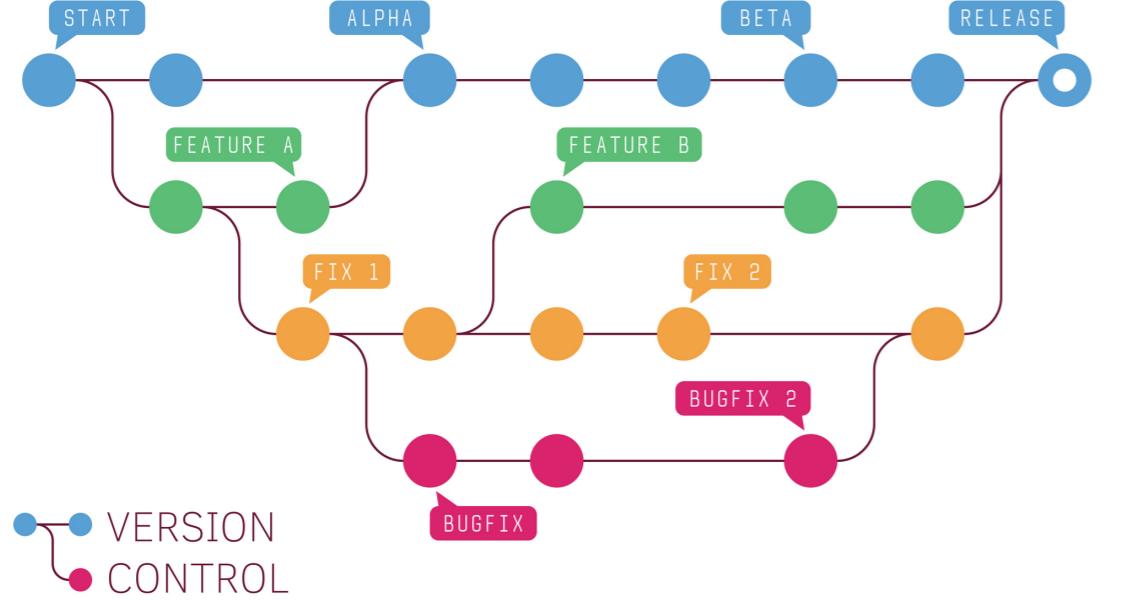


Git

- Version control software
- Can be used without GitHub or other hosting platform

¹ Git Logo by Jason Long is licensed under the Creative Commons Attribution 3.0 Unported License.

Collaborating on GitHub

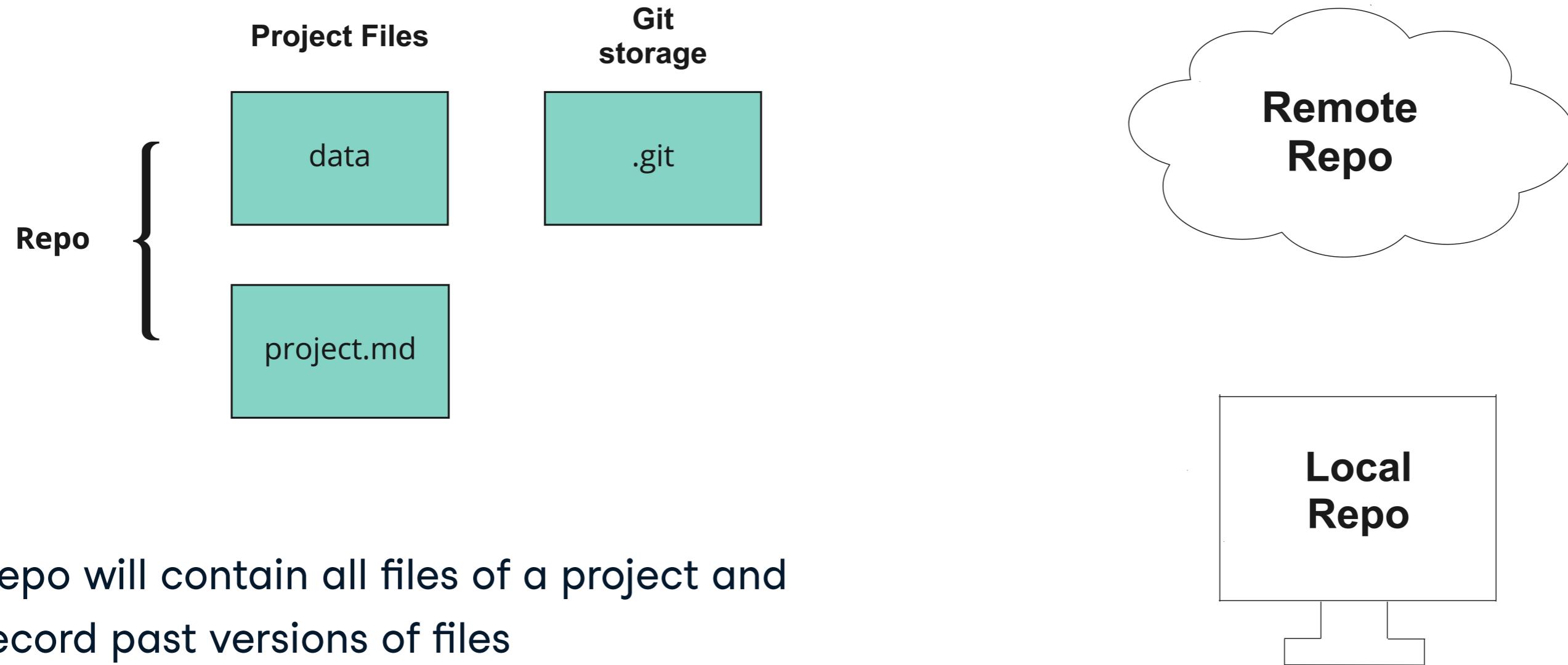


- Tracking a file through its different states
- Several people can work on the same file

- Can be accessed by anyone
- Complete history of every project stage

¹ iStock image credit: IkonStudio

GitHub repo



GitHub website

The screenshot shows a GitHub profile page for a user named Jasmin Ludolf. At the top, there's a navigation bar with links for Pull requests, Issues, Marketplace, and Explore. On the far right of the bar are icons for notifications, a plus sign, and a user profile.

The main content area starts with a large circular profile picture of Jasmin Ludolf, a woman with short dark hair and glasses, wearing a black top and a necklace. Below her picture is her name, "Jasmin Ludolf", and her GitHub handle, "jasminludolf". To the right of her handle is a button labeled "Edit profile". Further down, it shows she has 0 followers and is following 1 person.

On the left side of the main content area, there's a sidebar with links to Overview, Repositories (3), Projects, Packages, and Stars. The "Overview" tab is currently selected, indicated by a red underline.

The central part of the page features a section titled "Popular repositories" which is currently empty. To the right of this is a box labeled "Customize your pins" which is also empty.

Below these sections is a chart titled "392 contributions in the last year". The chart is a heatmap showing weekly contribution activity from September of the previous year to August of the current year. The legend indicates that lighter shades of gray represent "Less" contributions and darker green shades represent "More" contributions. Contributions are visible starting in late November of the previous year, with a significant increase in March and April of the current year.

At the bottom of the page, there are links to Jasmin's external profiles: a link to her website (<https://www.jasminludolf.com>) and a link to her Twitter account (@jasminludolf). There's also a blue button labeled "2022".

GitHub website

The screenshot shows a GitHub profile page for a user named Jasmin Ludolf. At the top, there's a navigation bar with links for Pull requests, Issues, Marketplace, and Explore. Below the navigation is a search bar and a user icon. The main content area features a circular profile picture of a woman with glasses, followed by her name "Jasmin Ludolf" and her GitHub handle "jasminludolf". There's a "Edit profile" button and a link to her website "https://www.jasminludolf.com". Below this, it shows "0 followers · 1 following". On the right, there's a "Repositories" section with a count of 3, which is highlighted with a green oval. Other tabs include Overview, Projects, Packages, and Stars. A "Popular repositories" section is shown below, along with a "Customize your pins" link. Further down is a "Contribution activity" section with a heatmap showing contributions per day from September of the previous year to August of the current year. The heatmap uses a color scale from light gray (Less) to dark green (More). A legend at the bottom right of the heatmap shows four levels of contribution: Less (lightest gray), More (light green), Even more (medium green), and Most (darkest green). The year "2022" is also visible in a blue button-like element.

Search or jump to... /

Pull requests Issues Marketplace Explore

Jasmin Ludolf
jasminludolf

Edit profile

0 followers · 1 following

https://www.jasminludolf.com

@jasminludolf

Contribution activity

2022

Overview Repositories 3 Projects Packages Stars

Popular repositories

Customize your pins

Contribution settings ▾

Less More

Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug

Mon

Wed

Fri

Learn how we count contributions

Let's practice!

GITHUB CONCEPTS

Setting up a repo

GITHUB CONCEPTS



Jasmin Ludolf

Content Developer, DataCamp

Create a new repository

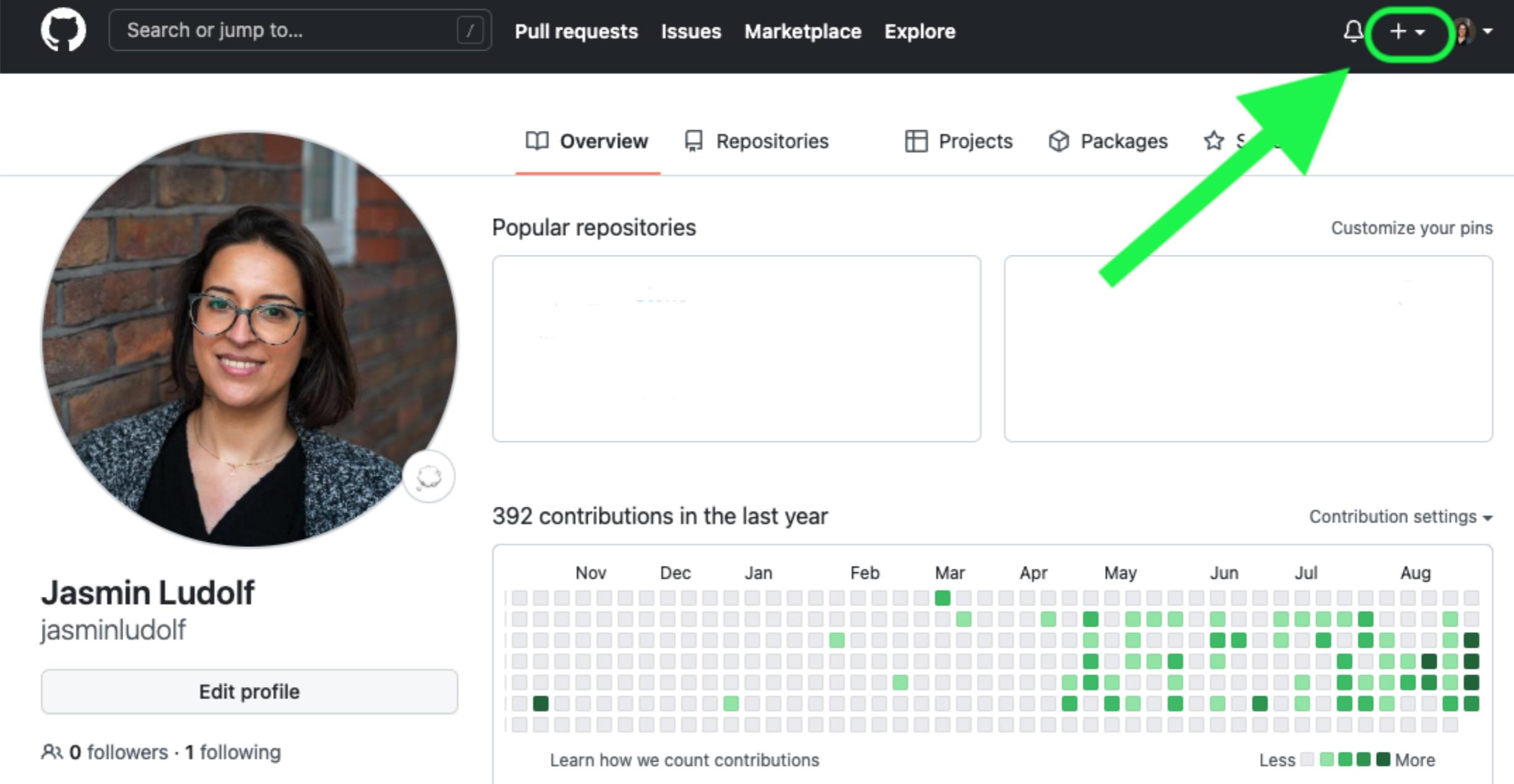
The screenshot shows a GitHub profile page for a user named Jasmin Ludolf. At the top, there's a navigation bar with the GitHub logo, a search bar, and links for Pull requests, Issues, Marketplace, and Explore. On the right side of the bar are icons for notifications, a plus sign, and a user profile.

The main content area features a large circular profile picture of a woman with glasses and a dark jacket. Below the picture, the user's name "Jasmin Ludolf" and handle "jasminludolf" are displayed, along with a "Edit profile" button. To the right of the profile picture, there are sections for "Popular repositories" (which is currently empty) and "Customize your pins".

Below these sections, a summary states "392 contributions in the last year" and includes a "Contribution settings" dropdown. A heatmap visualization shows contribution activity from November of the previous year to August of the current year, with darker shades of green indicating higher contribution levels. A legend at the bottom right of the heatmap explains the color scale: "Less" (lightest gray), "More" (darkest green), and "More" (medium green).

At the very bottom of the page, there's a note: "Learn how we count contributions".

Create a new repository



The screenshot shows a GitHub user profile for Jasmin Ludolf. At the top, there's a navigation bar with the GitHub logo, a search bar, and links for Pull requests, Issues, Marketplace, and Explore. On the far right of the bar is a user icon with a green circle around it, containing a plus sign, which is highlighted by a large green arrow pointing towards it.

Below the header, the user's profile picture (a woman with glasses) is displayed, followed by the name **Jasmin Ludolf** and the handle `jasminludolf`. There's also an [Edit profile](#) button.

The main content area starts with a section titled "Popular repositories" which is currently empty. To the right of this is a "Customize your pins" section, also currently empty. Below these is a summary of contributions: "392 contributions in the last year" and a "Contribution settings" dropdown.

The central part of the profile features a heatmap visualization of contributions over the past year, from November to August. The legend indicates that darker shades of green represent more contributions. The heatmap shows a pattern of increasing activity over time, with higher density in the later months.

At the bottom of the heatmap section, there's a link to "Learn how we count contributions" and a color scale from "Less" (lightest) to "More" (darkest).

Create a new repository

The screenshot shows a GitHub user profile for Jasmin Ludolf. At the top right, there is a dropdown menu with several options: 'New repository' (highlighted with a green arrow), 'Import repository', 'New gist', 'New organization', and 'New project'. Below the menu, there are sections for 'Popular repositories' (empty boxes) and 'Contribution settings' (a heatmap showing contribution levels from Nov to Aug). On the left, the user's profile picture, name ('Jasmin Ludolf'), username ('jasminludolf'), and a 'Edit profile' button are visible. Below that, it says '0 followers · 1 following'.

New repository

Import repository

New gist

New organization

New project

Overview Repositories 3 Projects Packages

Popular repositories

392 contributions in the last year

Contribution settings

Jasmin Ludolf

jasminludolf

Edit profile

0 followers · 1 following

Learn how we count contributions

Less More

Create a new repository

The screenshot shows a GitHub user profile for Jasmin Ludolf. At the top, there's a navigation bar with the GitHub logo, a search bar, and links for Pull requests, Issues, Marketplace, and Explore. To the right are notifications, a plus sign for creating new repositories, and a user icon. Below the navigation is a circular profile picture of a woman with glasses and a brick wall background. The profile card displays the name "Jasmin Ludolf" and the handle "jasminludolf". A "Edit profile" button is visible. Below the profile, social links point to <https://www.jasminludolf.com> and [@jasminludolf](https://twitter.com/jasminludolf). The main content area is titled "Repositories" and includes a search bar, filters for Type, Language, Sort, and a green "New" button.

Search or jump to... /

Pull requests Issues Marketplace Explore

Overview Repositories Projects Packages Stars

Find a repository... Type Language Sort New

Jasmin Ludolf
jasminludolf

Edit profile

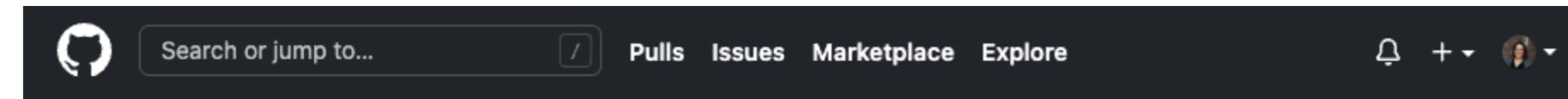
0 followers · 1 following

https://www.jasminludolf.com
@jasminludolf

Create a new repository

The screenshot shows a GitHub user profile for Jasmin Ludolf. At the top, there's a navigation bar with the GitHub logo, a search bar, and links for Pull requests, Issues, Marketplace, and Explore. Below the navigation bar is the user's profile picture, a brick wall, and their name, Jasmin Ludolf, along with their GitHub handle, jasminludolf. There's also an 'Edit profile' button. Underneath the profile picture, it says 0 followers and 1 following. At the bottom, there are links for the user's website (https://www.jasminludolf.com) and Twitter (@jasminludolf). The main content area is titled 'Repositories' and includes a search bar, filters for Type, Language, and Sort, and a prominent green 'New' button. A large green arrow points from the bottom left towards this 'New' button, which is also highlighted with a green border.

Create a 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](#).

Repository template

Start your repository with a template repository's contents.

No template ▾

Owner *

 jasminludolf ▾

Repository name *

/

Great repository names are short and memorable. Need inspiration? How about [cuddly-disco](#)?

Description (optional)

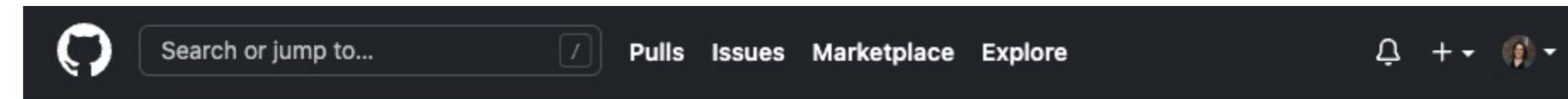
 Public

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

 Private

You choose who can see and commit to this repository.

Create a 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.](#)

Repository template

Start your repository with a template repository's contents.

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/

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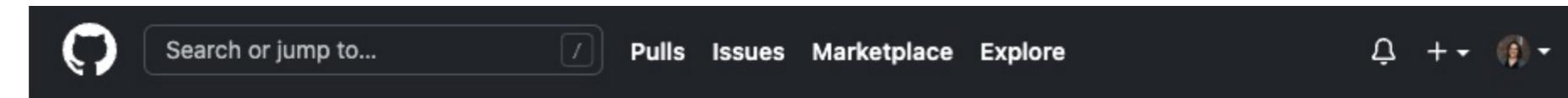
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Owner *

 jasminludolf ▾

Repository name *

/

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Description (optional)

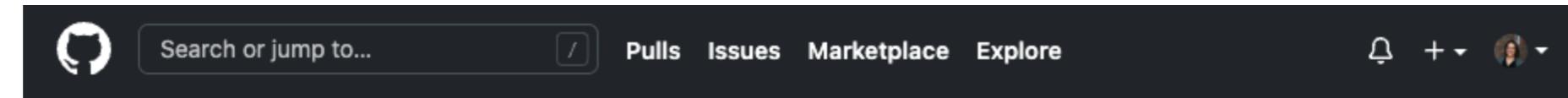
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Create a new repository

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Repository template

Start your repository with a template repository's contents.

No template ▾

Owner *

 jasminludolf ▾

Repository name *

/

Great repository names are short and memorable. Need inspiration? How about [cuddly-disco](#)?

Description (optional)

 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.

Create a new repository

The screenshot shows the GitHub interface for creating a new repository. At the top, there's a navigation bar with a search bar, pull requests, issues, marketplace, and explore links. Below the header, the main title 'Create a new repository' is displayed. A sub-instruction says 'A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.' There's a section for 'Repository template' with a dropdown menu set to 'No template'. The 'Owner' field is populated with 'jasminludolf' and a slash separator. The 'Repository name' field is empty and highlighted with a blue border. A note below suggests using a short and memorable name like 'crispy-lamp'. The 'Description (optional)' field is empty. At the bottom, there are two radio button options: 'Public' (selected) and 'Private'. The 'Public' option is described as allowing anyone on the internet to see the repository while choosing who can commit. The 'Private' option is described as allowing the user to choose who can see and commit to the repository.

Search or jump to... / Pull requests Issues Marketplace Explore

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 * Repository name *

jasminludolf /

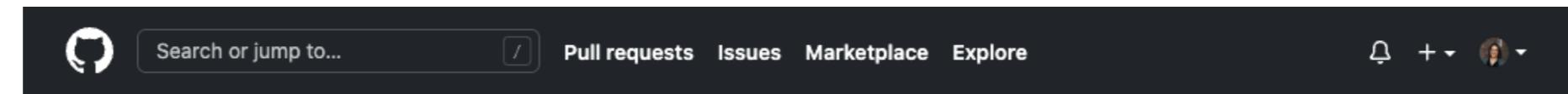
Great repository names are short and memorable. Need inspiration? How about [crispy-lamp](#)?

Description (optional)

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.

Public repository



Repository files

 **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:

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

Add a README file

This is where you can write a long description for your project. [Learn more.](#)

Add .gitignore

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

.gitignore template: None ▾

Choose a license

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

License: None ▾

 You are creating a public repository in your personal account.

Create repository

Repository files

Public

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

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You choose who can see and commit to this repository.

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Create a .gitignore file to specify which files not to track from a list of templates. [Learn more.](#)

.gitignore template: None ▾

Choose a license

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

License: None ▾

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

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Create repository

Repository files

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.gitignore template: Python ▾

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.gitignore template: Python ▾

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

Create repository

Repository files

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

 **Private**

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Initialize this repository with:

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Add .gitignore

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

.gitignore template: Python ▾

Choose a license

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

License: None ▾

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

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

Create repository

Navigating a repo

The screenshot shows a GitHub repository page for the user 'jasminludolf' with the repository name 'soccer_analysis'. The repository is public. The main navigation bar includes links for Pull requests, Issues, Marketplace, and Explore. On the right side of the header are icons for notifications, a plus sign, and a user profile. Below the header, there are buttons for Pin, Unwatch (with 1 follower), Fork (0 forks), and Star (0 stars). The repository navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The 'Code' link is currently selected, indicated by a red underline. Below the navigation bar, there are buttons for Go to file, Add file, and Code (which is highlighted in green). The repository summary shows 1 branch and 0 tags. The main content area displays three commits from 'jasminludolf': 'Initial commit' at 126a8ad (2 minutes ago), '.gitignore' at 126a8ad (2 minutes ago), and 'README.md' at 126a8ad (2 minutes ago). To the right of the commits is an 'About' section with the description 'Analyzing goal trends.' and links for Readme, 0 stars, 1 watching, and 0 forks. Below the commits is a preview of the 'README.md' file, which contains the text 'soccer_analysis'.

jasminludolf / soccer_analysis Public

Pin Unwatch 1 Fork 0 Star 0

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags Go to file Add file Code

jasminludolf Initial commit 126a8ad 2 minutes ago 1 commit

.gitignore Initial commit 2 minutes ago

README.md Initial commit 2 minutes ago

About

Analyzing goal trends.

Readme 0 stars 1 watching 0 forks

README.md

soccer_analysis

Releases

No releases published Create a new release

Navigating a repo

The screenshot shows a GitHub repository page for the user 'jasminludolf' with the repository name 'soccer_analysis'. The page is public. A green circle highlights the 'Code' tab in the navigation bar. The repository has 1 branch ('main') and 0 tags. The commit history shows three initial commits from 'jasminludolf': one for '.gitignore' and one for 'README.md', both made 2 minutes ago, and another for 'Initial commit' 2 minutes ago. On the right, there's an 'About' section with a description: 'Analyzing goal trends.', and icons for 'Readme', '0 stars', '1 watching', and '0 forks'. Below that is a 'Releases' section stating 'No releases published' and a link to 'Create a new release'.

Search or jump to... / Pull requests Issues Marketplace Explore

jasminludolf / soccer_analysis Public Pin Unwatch 1 Fork 0 Star 0

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

main 1 branch 0 tags Go to file Add file Code

jasminludolf Initial commit 126a8ad 2 minutes ago 1 commit

.gitignore Initial commit 2 minutes ago

README.md Initial commit 2 minutes ago

About

Analyzing goal trends.

Readme 0 stars 1 watching 0 forks

Releases

No releases published Create a new release

Navigating a repo

The screenshot shows a GitHub repository page for 'jasminludolf / soccer_analysis'. The repository is public, has 1 branch, and 0 tags. The 'Code' tab is selected. A green box highlights the 'About' section, which contains the repository's description ('Analyzing goal trends.'), a link to the README, and metrics: 0 stars, 1 watching, and 0 forks. A large green arrow points to this box. Below the 'About' section, there's a 'Releases' section indicating no releases have been published.

Search or jump to... / Pull requests Issues Marketplace Explore

jasminludolf / soccer_analysis Public Pin Unwatch 1 Fork 0 Star 0

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags Go to file Add file Code

jasminludolf Initial commit 126a8ad 2 minutes ago 1 commit

.gitignore Initial commit 2 minutes ago

README.md Initial commit 2 minutes ago

README.md

soccer_analysis

About

Analyzing goal trends.

Readme

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Navigating a repo

The screenshot shows a GitHub repository page for the user 'jasminludolf' with the repository name 'soccer_analysis'. The repository is public, as indicated by the 'Public' badge. The main navigation bar includes links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. On the right side of the header are icons for 'Pin', 'Unwatch', 'Fork', and 'Star'. Below the header, there are tabs for 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings', with 'Code' being the active tab. A dropdown menu shows the current branch is 'master' (1 branch, 0 tags). To the right of the code area is an 'About' section with the description 'Analyzing goal trends.' and details: 'Readme' (link), '0 stars', '1 watching', and '0 forks'. Below the code area, there's a file list showing '.gitignore' and 'README.md' both with 'Initial commit' status and '4 days ago' last updated. A preview of the 'README.md' file content is shown, featuring the text 'soccer_analysis'. At the bottom of the page are sections for 'Releases' (no releases) and 'Packages' (no packages).

Search or jump to... / Pull requests Issues Marketplace Explore

jasminludolf / soccer_analysis Public

Pin Unwatch Fork Star

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 1 branch 0 tags

Go to file Add file Code About

Analyzing goal trends.

Readme 0 stars 1 watching 0 forks

.gitignore Initial commit 4 days ago

README.md Initial commit 4 days ago

README.md

soccer_analysis

Releases

No releases published Create a new release

Packages

No packages published Publish your first package

Navigating a repo

The screenshot shows a GitHub repository page for 'jasminludolf / soccer_analysis'. The page has a dark header with a search bar, a navigation bar with links for Pull requests, Issues, Marketplace, and Explore, and a user profile icon. Below the header, the repository name 'jasminludolf / soccer_analysis' is shown as public. There are buttons for Pin, Unwatch (1), Fork (0), and Star (0). The navigation bar includes links for Code, Issues (which is highlighted with a green oval), Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. A 'Filters' dropdown and a search bar with the query 'is:issue is:open' are visible. A 'New issue' button is also present. The main content area displays a message: 'Welcome to issues! Issues are used to track todos, bugs, feature requests, and more. As issues are created, they'll appear here in a searchable and filterable list. To get started, you should [create an issue](#).'

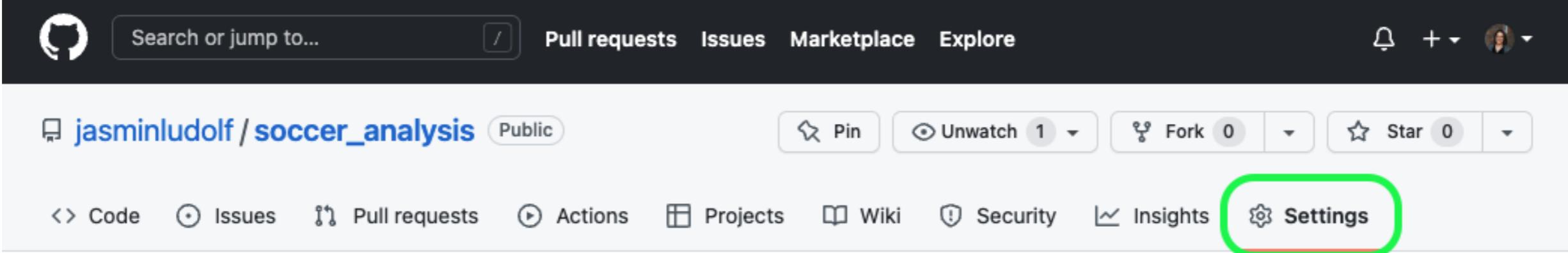
Navigating a repo

The screenshot shows a GitHub repository page for 'jasminludolf / soccer_analysis'. The page has a dark header with a search bar, a notification bell, and user profile icons. Below the header, the repository name 'jasminludolf / soccer_analysis' is displayed, along with a 'Public' badge, a 'Pin' button, an 'Unwatch' button (with 1 follower), a 'Fork' button (with 0 forks), and a 'Star' button (with 0 stars). A navigation bar below the repository info includes links for Code, Issues, Pull requests (which is highlighted with a green oval), Actions, Projects, Wiki, Security, Insights, and Settings. Further down, there's a 'Filters' dropdown set to 'is:pr is:open', a search bar containing 'is:pr is:open', a 'Labels' section (9 labels), a 'Milestones' section (0 milestones), and a 'New pull request' button. The main content area is currently empty, displaying a 'Welcome to pull requests!' message.

Welcome to pull requests!

Pull requests help you collaborate on code with other people. As pull requests are created, they'll appear here in a searchable and filterable list. To get started, you should [create a pull request](#).

Navigating a repo



The screenshot shows a GitHub repository page for `jasminludolf / soccer_analysis`. The top navigation bar includes links for Pull requests, Issues, Marketplace, Explore, and a user profile. Below the repository name, there are buttons for Pin, Unwatch (1), Fork (0), and Star (0). The main navigation bar at the bottom of the page has tabs for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The **Settings** tab is highlighted with a green oval.

General

Repository name
soccer_analysis [Rename](#)

Template repository
Template repositories let users generate new repositories with the same directory structure and files. [Learn more](#).

Require contributors to sign off on web-based commits
Enabling this setting will require contributors to sign off on commits made through GitHub's web interface. Signing off is a way for contributors to affirm that their commit complies with the repository's terms, commonly the [Developer Certificate of Origin \(DCO\)](#). [Learn more about signing off on commits](#).

Social preview
Upload an image to customize your repository's social media preview.
Images should be at least 640x320px (1280x640px for best display).
[Download template](#)

Let's practice!

GITHUB CONCEPTS

Creating a README

GITHUB CONCEPTS



Jasmin Ludolf

Content Developer, DataCamp

Edit the README

The screenshot shows a GitHub repository page for the user 'jasminludolf' with the repository name 'soccer_analysis'. The repository is public. The 'Code' tab is selected. The page displays three commits from 'jasminludolf': 'Initial commit' (126a8ad, 1 hour ago), 'Initial commit' (.gitignore, 1 hour ago), and 'Initial commit' (README.md, 1 hour ago). On the right side, there is an 'About' section with the following details: 'Analyzing goal trends of the past 5 years.', a 'Readme' link, '0 stars', '1 watching', '0 forks', and a 'Releases' section stating 'No releases published' with a 'Create a new release' link.

Search or jump to... / Pull requests Issues Marketplace Explore

jasminludolf / soccer_analysis Public

Pin Unwatch 1 Fork 0 Star 0

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags Go to file Add file Code About

jasminludolf Initial commit 126a8ad 1 hour ago 1 commit

.gitignore Initial commit 1 hour ago

README.md Initial commit 1 hour ago

README.md

soccer_analysis

Analyzing goal trends of the past 5 years.

Readme 0 stars 1 watching 0 forks

No releases published Create a new release

Edit the README

The screenshot shows a GitHub repository page for the user 'jasminludolf' with the repository name 'soccer_analysis'. The repository is public. At the top, there is a navigation bar with links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below the navigation bar, the repository name 'jasminludolf / soccer_analysis' is displayed along with a 'Public' badge. To the right of the repository name are buttons for 'Pin', 'Unwatch', 'Fork', and 'Star'. Below these buttons is a horizontal menu with links for 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. The 'Code' link is highlighted with a red underline. On the left side, there is a sidebar with a dropdown for the 'main' branch, showing '1 branch' and '0 tags'. Below the sidebar, a list of files is shown: '.gitignore' and 'README.md', both of which are listed as 'Initial commit' made by 'jasminludolf' 1 hour ago. A green box highlights the 'README.md' file. To the right of the file list is a summary section with the repository description 'Analyzing goal trends of the past 5 years.', and icons for 'Readme', '0 stars', '1 watching', and '0 forks'. Below this is a 'Releases' section with the message 'No releases published' and a link 'Create a new release'.

Search or jump to... / Pull requests Issues Marketplace Explore

jasminludolf / soccer_analysis Public Pin Unwatch 1 Fork 0 Star 0

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags Go to file Add file Code About

jasminludolf Initial commit 126a8ad 1 hour ago 1 commit

.gitignore Initial commit 1 hour ago

README.md Initial commit 1 hour ago

README.md

soccer_analysis

Analyzing goal trends of the past 5 years.

Readme 0 stars 1 watching 0 forks

No releases published Create a new release

Edit the README

The screenshot shows a GitHub repository page for the user 'jasminludolf' with the repository name 'soccer_analysis'. The repository is public, as indicated by the 'Public' badge. The main navigation bar includes links for Pull requests, Issues, Marketplace, and Explore. Below the repository name, there are buttons for Pin, Unwatch (1), Fork (0), and Star (0). The navigation menu at the top of the page includes Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The 'Code' tab is currently selected.

On the left side, there is a sidebar with a dropdown for the branch 'main', showing 1 branch and 0 tags. It lists three files: '.gitignore' (Initial commit, 1 hour ago), 'README.md' (Initial commit, 1 hour ago), and 'README.md' (Initial commit, 1 hour ago). A large green arrow points from the text 'Edit the README' in the heading to the edit icon (a pencil) next to the second 'README.md' entry in the sidebar.

The main content area displays the 'README.md' file content:

```
soccer_analysis
```

The right sidebar contains an 'About' section with the following details:

- Analyzing goal trends of the past 5 years.
- Readme
- 0 stars
- 1 watching
- 0 forks

Below the 'About' section is a 'Releases' section stating 'No releases published' and a link to 'Create a new release'.

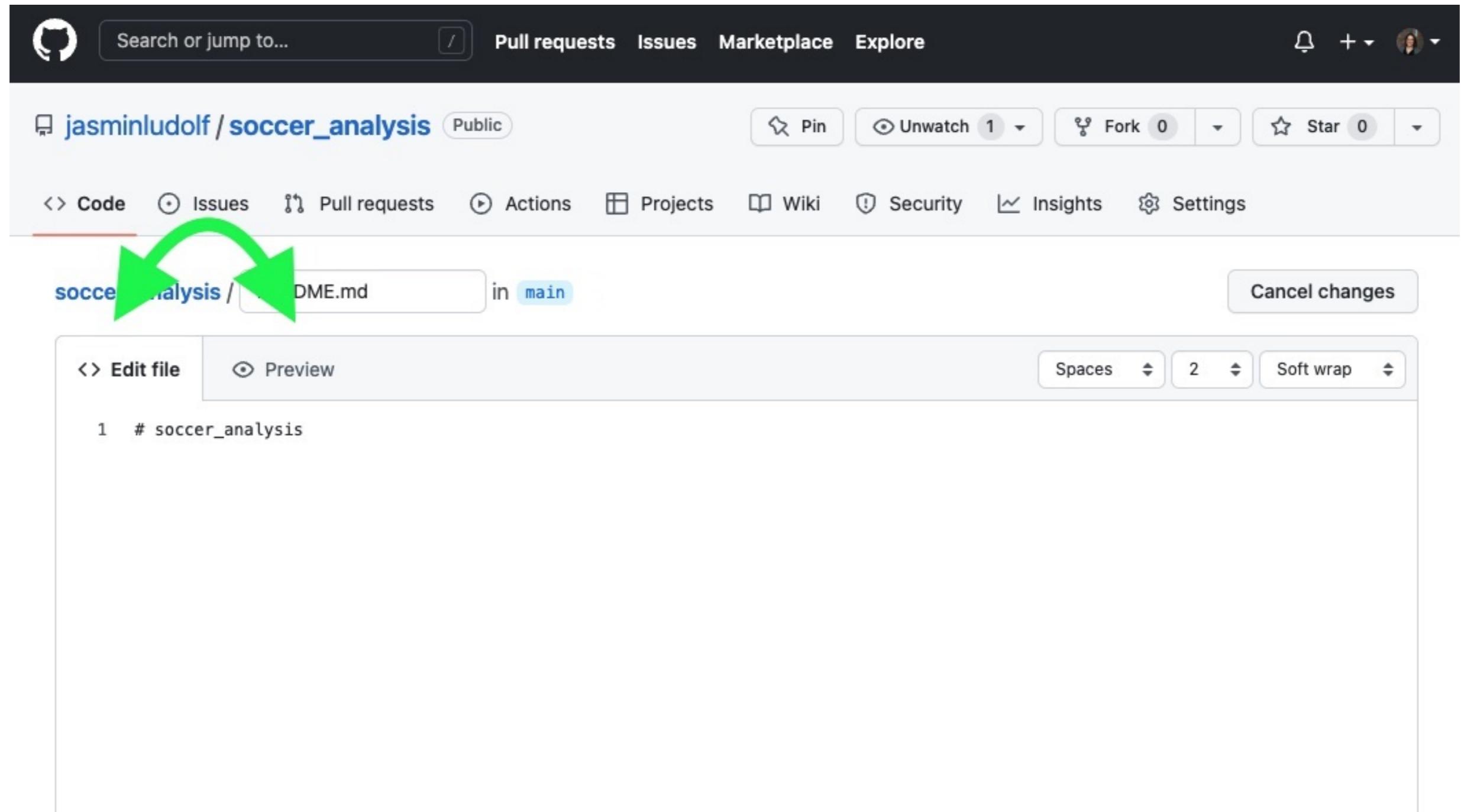
Markdown

The screenshot shows a GitHub repository page for `jasminludolf / soccer_analysis`. The repository is public. The main navigation bar includes links for Pull requests, Issues, Marketplace, and Explore. Below the repository name, there are buttons for Pin, Unwatch (1), Fork (0), and Star (0). A secondary navigation bar below the main one includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The current view is on the README.md file, which contains the following content:

```
1 # soccer_analysis
```

Below the preview area, there are settings for Spaces (2), Soft wrap, and a Cancel changes button.

Edit vs. Preview



Headings

[Edit file](#)

[Preview](#)

```
1 # Heading 1
```

[Edit file](#)

[Preview](#)

Heading 1

Headings

[Edit file](#)

[Preview](#)

```
1 # Heading 1
2 ## Heading 2
3 ### Heading 3
4 #### Heading 4
5 ##### Heading 5
6 ##### Heading 6
```

[Edit file](#)

[Preview](#)

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

Headings

<> Edit file

○ Preview

```
1 # Heading 1
2 ## Heading 2
3 ### Heading 3
4 #### Heading 4
5 ##### Heading 5
6 ##### Heading 6
```

<> Edit file

○ Preview

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6



Text formatting

[Edit file](#)

[Preview](#)

```
1 # Soccer Analysis  
2  
3 **bold**  
4  
5 *italics*
```

[Edit file](#)

[Preview](#)

Soccer Analysis

bold

italics

Hyperlinks

[Edit new file](#)

[Preview](#)

```
1 # Soccer Analysis  
2  
3 [Premier League](https://www.premierleague.com/)|
```

[Edit new file](#)

[Preview](#)

Soccer Analysis

Premier League

Hyperlinks

The screenshot shows a GitHub repository page for 'soccer_analysis'. The top navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and more. Below the navigation is a breadcrumb trail showing the repository name and the file path 'soccer_analysis / README.md'. A 'Go to file' button and a three-dot menu are also present. The main content area displays a commit from 'jasminludolf' updating the README.md. It shows 1 contributor and provides a link to the commit history. Below the commit details is a summary of the file: 3 lines (2 sloc), 68 Bytes, with options to copy, download, or view raw blame. The file content itself is titled 'Soccer Analysis' and mentions 'Premier League'.

Code Issues Pull requests Actions Projects Wiki Security Insights ...

main · soccer_analysis / README.md Go to file ...

jasminludolf Update README.md Latest commit 2527c0f now History

At 1 contributor

3 lines (2 sloc) | 68 Bytes

Soccer Analysis

Premier League

Images

The screenshot shows a GitHub repository page for `jasminludolf/soccer_analysis`. The repository is public. The main navigation bar includes links for Pulls, Issues, Marketplace, and Explore. On the right side of the header are icons for notifications, creating a new repository, and user profile.

The repository details section shows the owner `jasminludolf`, the name `soccer_analysis`, and the status "Public". Below these are buttons for Pin, Unwatch (with 1 follower), Fork (with 0 forks), and Star (with 0 stars).

The navigation menu at the top of the page includes Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The "Code" tab is selected, indicated by an orange underline.

In the main content area, there is a preview of the `README.md` file. The file path is `soccer_analysis / README.md` and it is in the `master` branch. The preview shows the following text:

```
1 # Soccer Analysis
```

Below the preview, there are buttons for Edit file, Preview, and Preview (highlighted). There are also settings for Spaces (set to 2), Soft wrap, and a "Cancel changes" button.

A file named `latiga.jpeg` is shown in the preview area, represented by a thumbnail image of a soccer ball.

Writing a README

- Need to be descriptive
 - Anyone should understand our project
- List the contents of the repository
- Clearly explains the project to others



README fundamentals

- Title
- Description of technology
 - Why?
- Description of the process
 - Why?
- Table of contents

README extras

- How the project came about
- The motivation
- Limitations
- Challenges
- What problem it hopes to solve
- What the intended use is
- Credits

Let's practice!

GITHUB CONCEPTS