

Update the Local clone files:

Syncing GitHub Repos

When you are collaborating with others on a project, there are often changes being made to the repo that you (and others) are contributing to. It is important keep your fork up to date or in sync with those changes as you work. Keeping your fork in sync with the central repo will reduce the risk of merge conflicts.

Syncing Your GitHub Repo Reduces the Chances of a Merge Conflict

A merge conflict occurs when two people edit the same line in a file. **Git** does not know how to resolve the conflict (i.e. which changes to keep and which to remove).

When **git** does not know how to resolve a conflict, it will ask you to manually fix the conflict. If you sync your files regularly, you will ultimately reduce the risk of a merge conflict.

An Example Workflow Where Syncing Is Important

Pretend that you are working on a fork of your colleague's repo. Your colleague's repo is the final home for the code and content that you are working together on collaboratively.

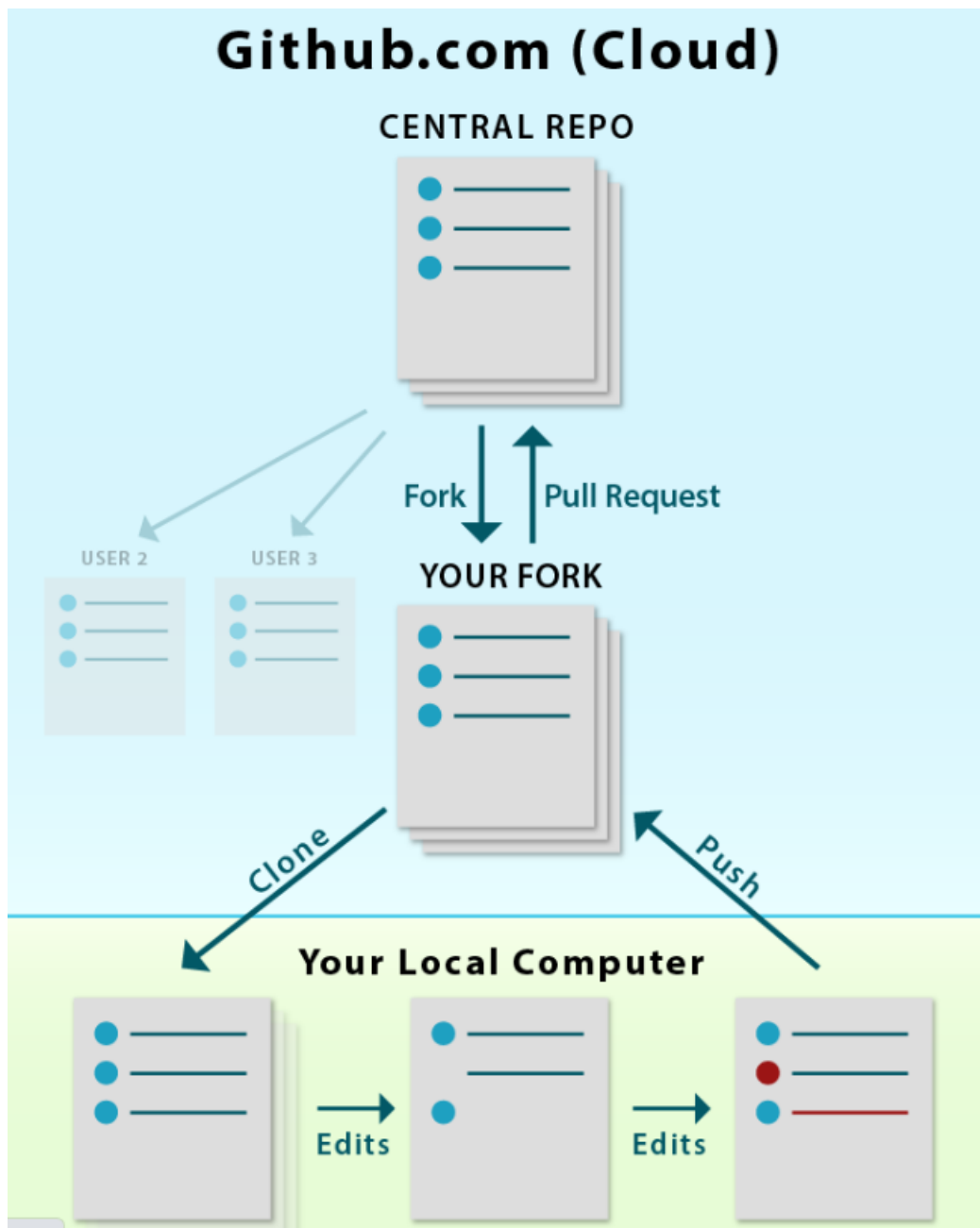
Your colleague and others in your group may be updating code while you are working. It is important to ensure that your fork is in sync with your colleague's repo, ideally before making a new pull request to that repo.

Your repo being in sync refers to your fork having all of the commits or changes to the code and files that have been made to the parent repo.

Two Ways to Sync A Repo - Command Line and on GitHub

There are a few ways to update or sync your repo with the central repo (e.g. your colleague's repo).

1. You can perform a "Reverse Pull Request" on GitHub. A reverse pull request will follow the same steps as a regular pull request. However, in this case, your fork becomes the **base** and your colleague's repo is the **head**. If you update your fork this way, you will then have to PULL your changes down to your local clone of the repo (on your computer) where you are working.
2. You can manually set or pull down changes from the central repo to your clone locally. This can be done in the Terminal. When you update your local clone, you will then need to push the changes or commits back up to your fork on [GitHub.com](https://github.com).



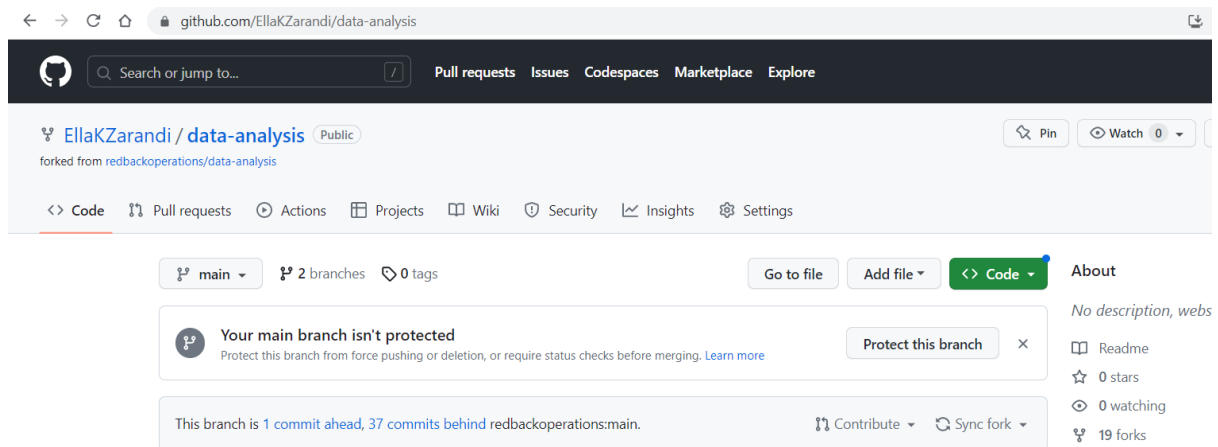
Sync Your Forked GitHub Repo Using a Reverse Pull Request

To sync your forked repo with the parent or central repo on GitHub you:

- 1. Create a pull request on [GitHub.com](https://github.com) to update your fork of the repository from the original repository, and*
- 2. Run the `git pull` command in the terminal to update your local clone. The following sections review how to complete these steps.*

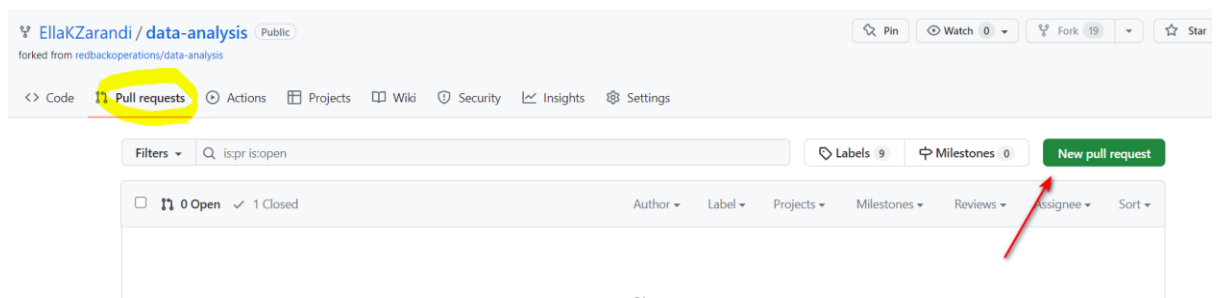
How to Sync or Update Your Forked Repo Using the Github Website

To update your fork on [GitHub.com](https://github.com), navigate in your web browser to the main [GitHub.com](https://github.com) page of your forked repository (e.g. <https://github.com/your-username/example-repository>]

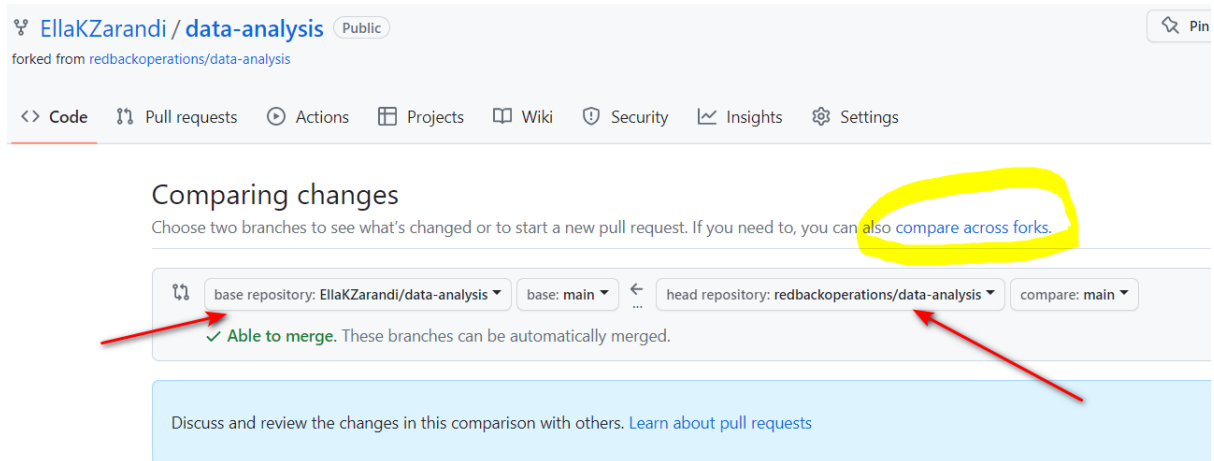


Then create a pull request by following these steps:

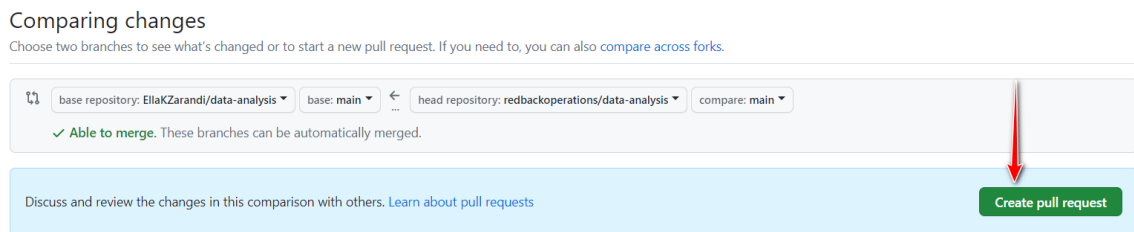
1. Click on the [New pull request](#) button to begin the pull request.



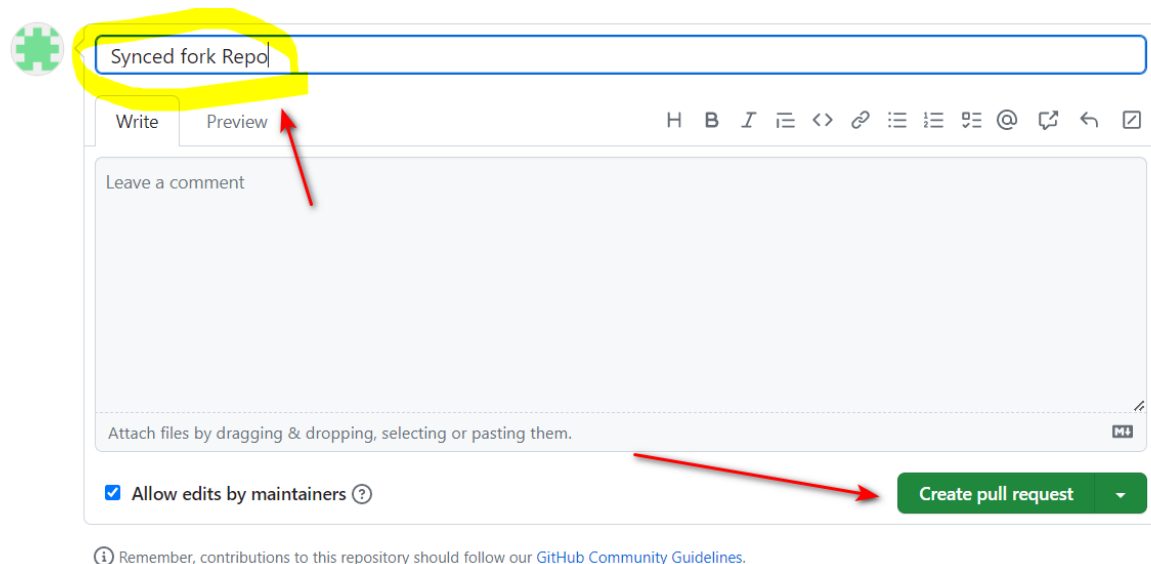
2. On the new page, choose your fork as the **base fork** and the original repository (e.g. your colleague's repo) as the **head fork**.
 - **IMPORTANT:** You need to click on the text [compare across forks](#) to be able to select the base and head forks appropriately.



3. Then, click on [Create pull request](#).





4. On the new page, add a title and comment and then click on [Create pull request](#) once more to finish creating the pull request.




You have now updated your local clone with the updates that you merged into your fork from original **GitHub** repository.

When you create this pull request, you will see what files will be updated in your fork.


Synched fork Repo #2


 Open EllaKZarandi wants to merge 37 commits into `EllaKZarandi:main` from `redbackoperations:main` 










Conversation 0 Commits 37 Checks 0 Files changed 103

 EllaKZarandi commented 1 minute ago Owner ...

No description provided.



 tejasvarun and others added 30 commits last month

-  Add files via upload Verified 8e6ec6c
-  body posture check updated Verified 778e0fb
-  Merge branch 'redbackoperations:main' into main Verified ab189a1
-  New dataset_Random Forest_stanford d530adf
-  Add files via upload Verified 8721044
-  Add files via upload Verified 0eb6733
-  Merge pull request #25 from redbackoperations/Ella-Zarandi Verified d602150
-  Delete BMI_Calculator.pdf Verified 205ae7e
-  Create Consultation Platform Verified 84a237e

Reviews
No reviews
Still in progress? C

Assignees
No one—assign yc

Labels
None yet

Projects
None yet

Milestone
No milestone

Notifications


You're receiving nc





After creating the pull request, you need to **merge the pull request**, so that the changes in main repo are merged into your fork. The next section explains how to merge a pull request.

How to Merge a Pull Request


To merge a pull request:





1. Open up the pull request if it is not already open on **GitHub**.
2. Click on the green button at the bottom of the pull request page that says **Merge pull request**.


 **Synced fork Repo #2**
EllaKZarandi wants to merge 37 commits into [EllaKZarandi:main](#) from [redbackoperations:main](#)











-  Merge pull request #33 from SaeedAlnaqeeb/main ... Verified b91be13
-  Merge pull request #32 from whosthis-svg/main ... Verified bd81a31
-  Merge pull request #31 from Nick-Manny/main ... Verified 4e41bfd
-  Merge pull request #30 from SindhujaManduru/main ... Verified 6a3d6e4

Add more commits by pushing to the **main** branch on [redbackoperations/data-analysis](#).




-  **Require approval from specific reviewers before merging**
[Branch protection rules](#) ensure specific people approve pull requests before they're merged. Add rule ×
-  **Continuous integration has not been set up**
[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.
-  **This branch has no conflicts with the base branch**
Merging can be performed automatically.
-  **Merge pull request** ▼ You can also [open this in GitHub Desktop](#) or view [command line instructions](#).







Write Preview H B I          


Leave a comment

3. Click on the *Confirm merge* button.

 **Synced fork Repo #2**
EllaKZarandi wants to merge 37 commits into [EllaKZarandi:main](#) from [redbackoperations:main](#)

-  Merge pull request #33 from SaeedAlnaqeeb/main ... Verified b91b
-  Merge pull request #32 from whosthis-svg/main ... Verified bd81
-  Merge pull request #31 from Nick-Manny/main ... Verified 4e41
-  Merge pull request #30 from SindhujaManduru/main ... Verified 6a3d

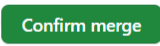
Add more commits by pushing to the **main** branch on [redbackoperations/data-analysis](#).














Merge pull request #2 from redbackoperations/main

Synced fork Repo

This commit will be authored by 129282750+EllaKZarandi@users.noreply.github.com

 **Confirm merge** Cancel



Write Preview H B I          

Leave a comment

Once you have conformed the merge, all of the changes from main repo are in your repo. When you return to your fork on [GitHub.com](https://github.com), you will see the changes that you have just merged into your fork.

When you update your fork using a reverse pull request on [GitHub.com](https://github.com), you then need to update your files locally. The steps to do that are below.

How to Update Your Local Clone

Once you have synced (i.e. updated) your fork on [GitHub.com](https://github.com), you are ready to update your cloned repo on your local computer.

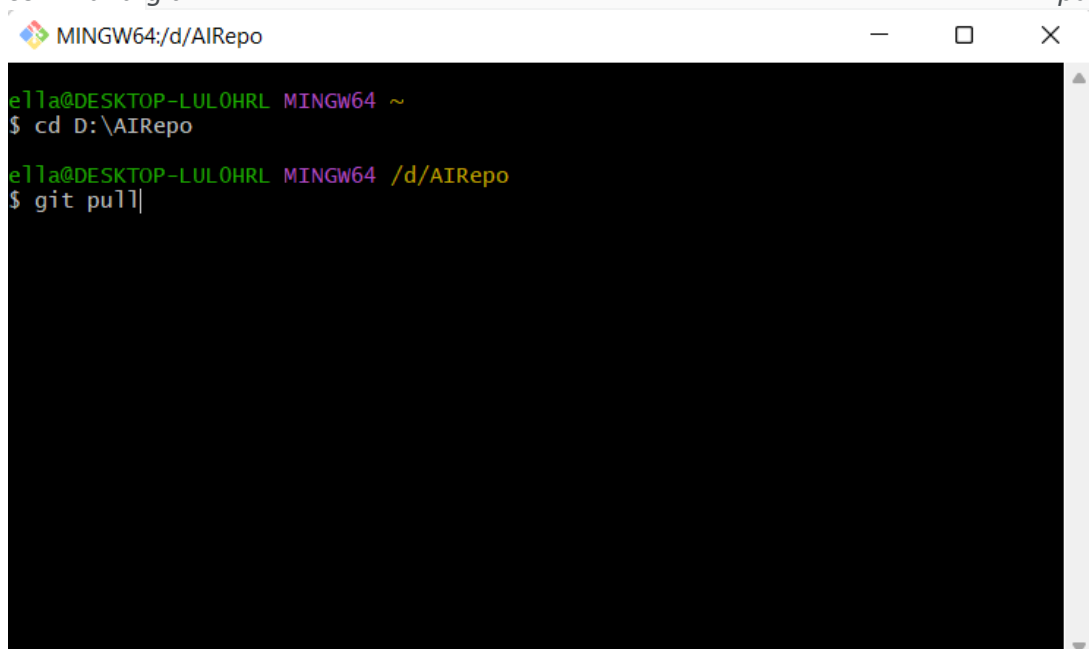
To pull down (i.e. copy) the changes merged into your fork, you can use the Terminal and the `git pull` command.

To begin:

1. On your local computer, navigate to your forked repo directory.

```
$ cd path-to-repo/repo-name
$ git pull
```

2. Once you have changed directories to the forked repo directory, run the command `git pull`.



A screenshot of a terminal window titled 'MINGW64:/d/AIRepo'. The prompt is 'e11a@DESKTOP-LUL0HRL MINGW64 ~'. The user enters '\$ cd D:\AIRepo' and the prompt changes to 'e11a@DESKTOP-LUL0HRL MINGW64 /d/AIRepo'. Then the user enters '\$ git pull' and the prompt changes to '\$ git pull|'. The terminal has a black background with green and yellow text. The window has standard Windows window controls (minimize, maximize, close) in the top right corner.

*You have now updated your local clone with the updates that you merged into your fork from original **GitHub** repository.*