

Peer Code Review Instructions

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Assignment Overview

For this assignment, you will conduct a formal **peer code review** of another student's final project hosted on GitHub. You will assess code for clarity, functionality, organization, and reproducibility, and provide **constructive, actionable feedback**.

The majority of your code review will occur on GitHub (follow the instructions below). In addition, you will submit a knitted PDF file with a completed checklist and reflection to D2L.

Total Points: 100

Due Date: Sunday, May 11 at midnight MST

Assignment Instructions

1. Access Your Assigned Peer's GitHub Repository (*5 points*)

- Go to your peer's GitHub repository.
- Fork and clone the repository to your computer (see detailed instructions below).
- Review the README and folder structure before diving into code.

2. Review Code and Comment on GitHub (*75 points total*)

Leave **specific, respectful, and helpful** comments directly on GitHub. See the "Checklist" document for more detailed information.

- Leave at least **8 inline comments, suggestions, or edits** across the project.
- Be specific. For example, "*Consider renaming this function to clarify its purpose*" is more helpful than "*This is confusing.*"

3. Submit the Checklist and Reflection to D2L (*20 points*)

In the `PeerCodeReview_Checklist_Reflection.Rmd` file, complete the checklist and write 7-10 sentences summarizing your review experience:

- What was done well?

- What was challenging about this assignment?
- What did you learn for your own projects?
- How did you approach constructive feedback?

Upload the knitted `.pdf` file to the “Peer Code Review” Assignment on D2L.

Grading Rubric

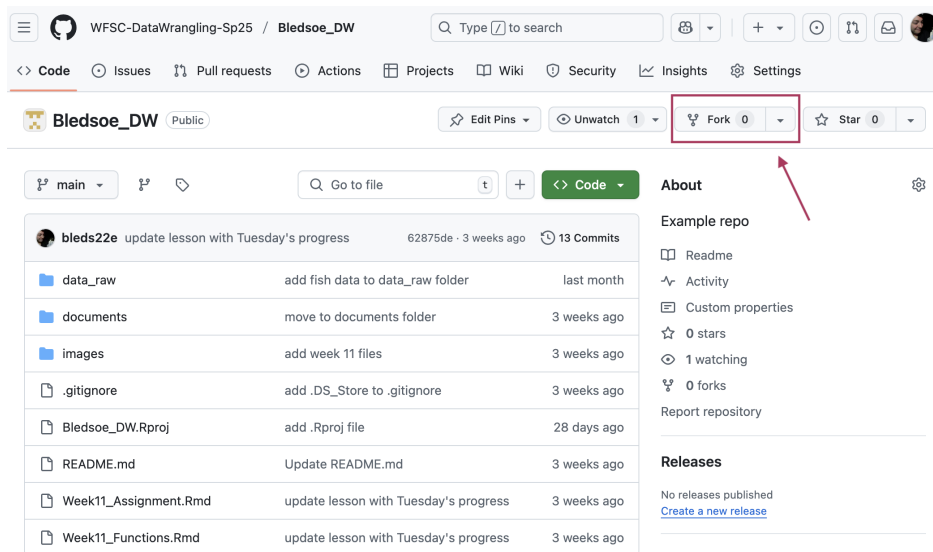
Category	Points	Criteria
<i>Repository Access & Setup</i>	5	Repository is successfully forked and cloned. Reviewer created a new branch.
<i>Clarity & Readability Comments</i>	15	Comments address variable names, structure, and ease of understanding.
<i>Functionality Comments</i>	15	Reviewer tested code and provided feedback on functionality and outputs.
<i>Code Organization Comments</i>	15	Feedback includes directory structure and logic of <code>.Rmd</code> layout.
<i>Documentation Comments</i>	15	Reviewer comments on README quality and <code>.Rmd</code> documentation.
<i>Suggestions for Improvement</i>	15	At least 3 specific, actionable, and constructive suggestions are given.
<i>Checklist and Reflection</i>	20	Checklist completed and a thoughtful, specific, and complete reflection (7-10 sentences).
Total	100	

Step-by-Step Instructions for GitHub Peer Code Review

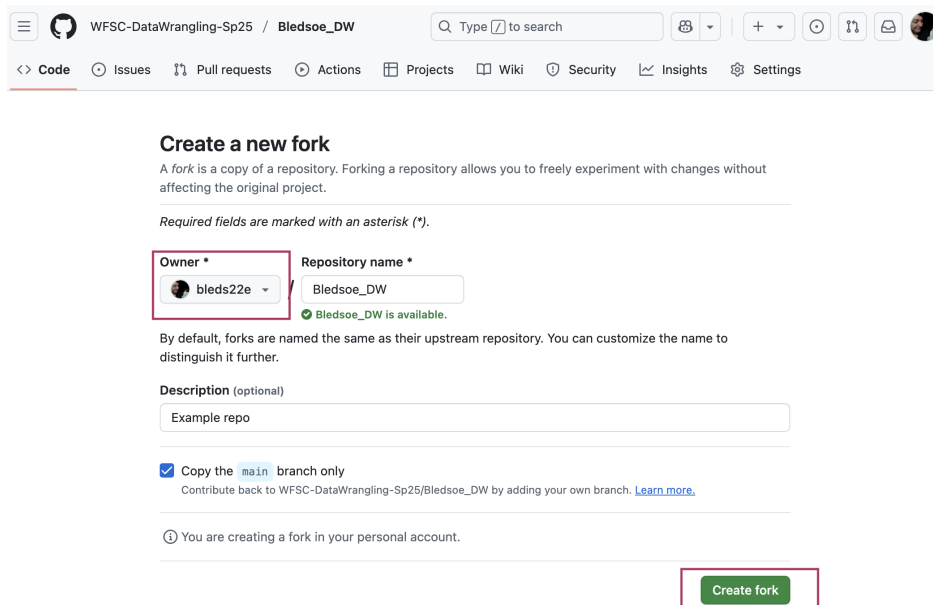
Follow these steps to complete your peer code review using GitHub. This process uses a **fork-based workflow**. You will fork your peer’s repository, add review comments in your fork, and submit a draft pull request with your feedback.

Step 1: Fork and Clone the Repository

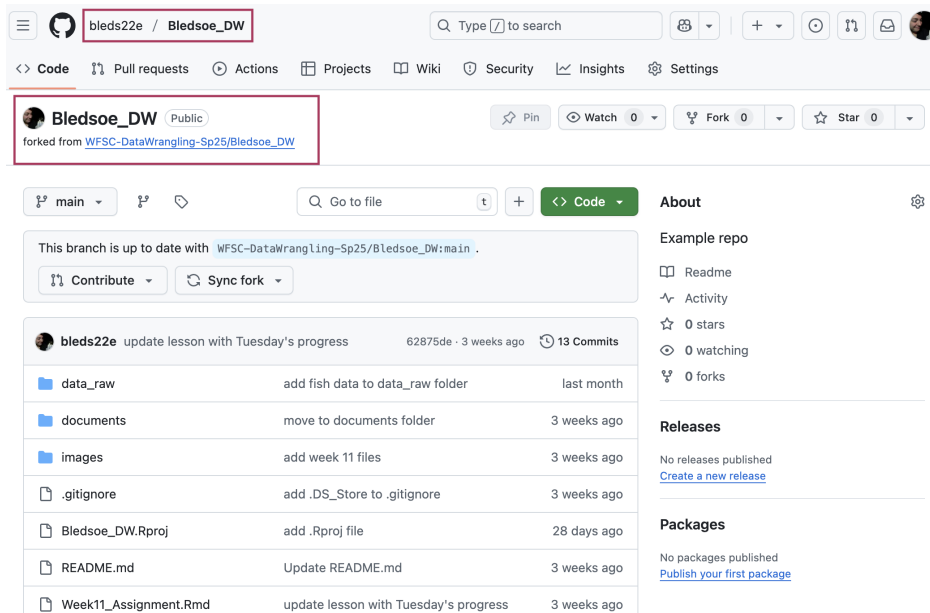
- Go to your assigned peer’s GitHub repository via the provided link. You should have access (if not, email me!)
- Click the **Fork** button in the top-right corner to create your own copy of their repository under your GitHub account.



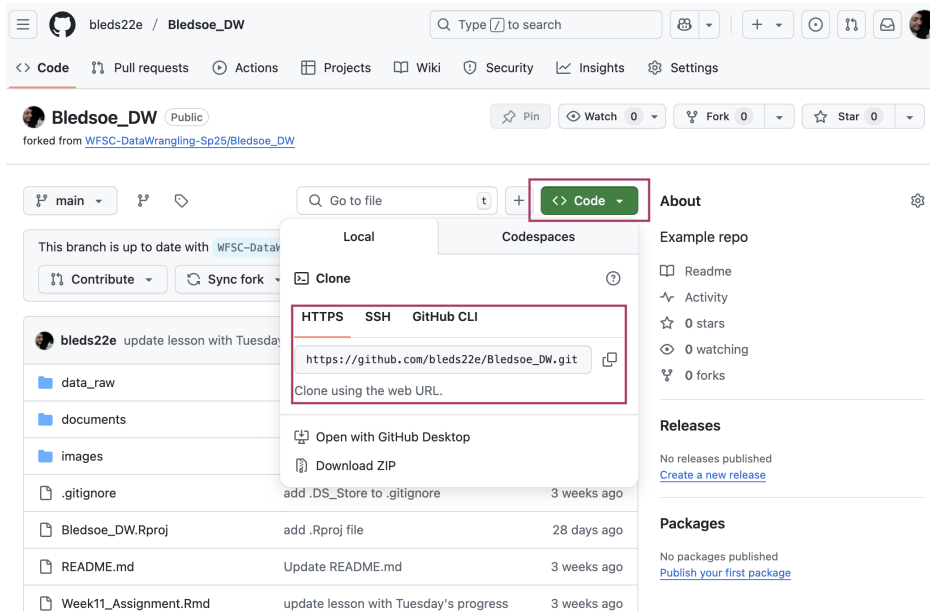
- Make sure you create the “forked” repo in your own personal account, not in the class organization!



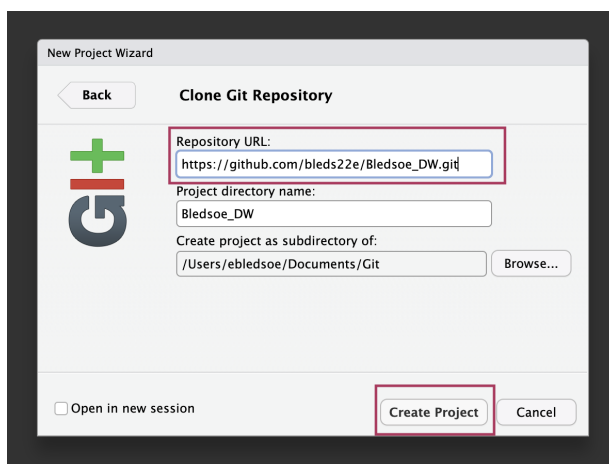
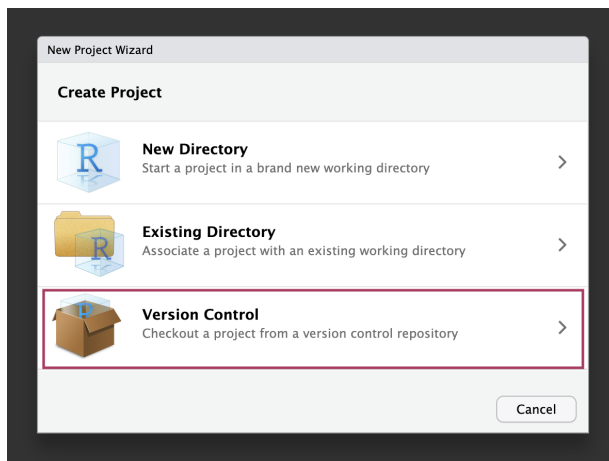
- Once you have successfully forked the repo, you should have a copy of your peer’s repo in your personal GitHub account.



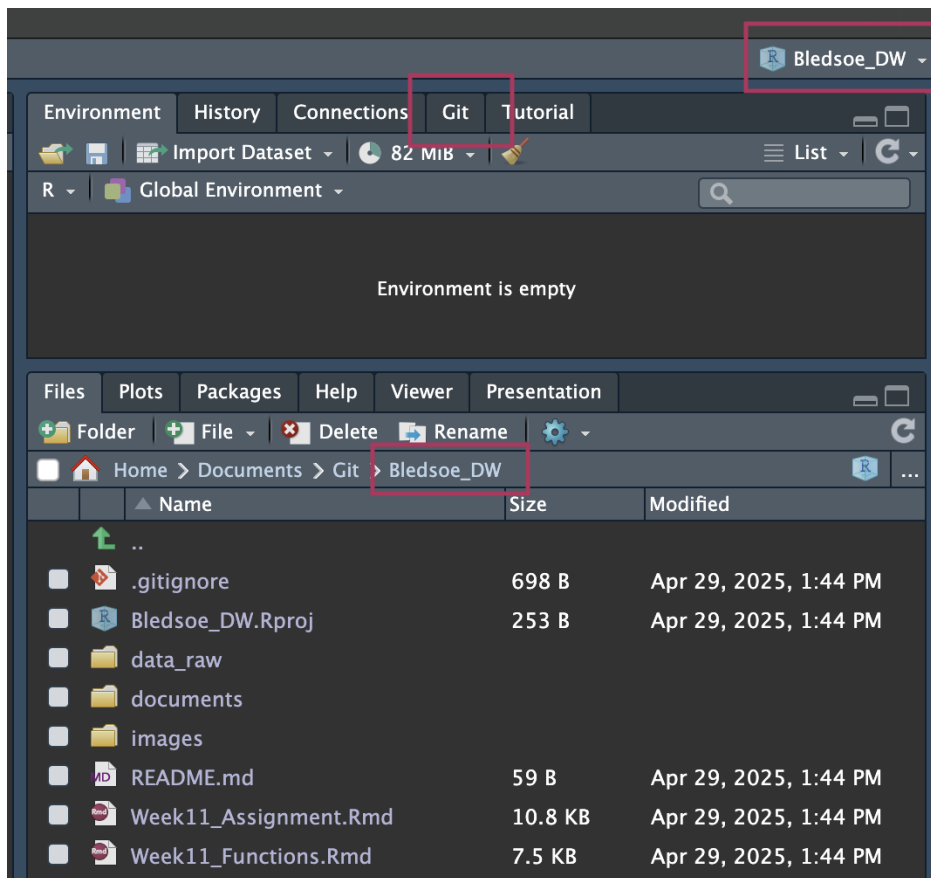
- On your forked copy, click the green **Code** button and copy the URL.



- You can now proceed to create an RStudio Project linked to your forked version of the repository as you would with any Github repository
- In RStudio: Go to *File > New Project > Version Control > Git*, paste the URL, and choose a folder.



- You should now have your own local copy of your fork of your peer's final project repo.



Step 2: Add Comments to the Code

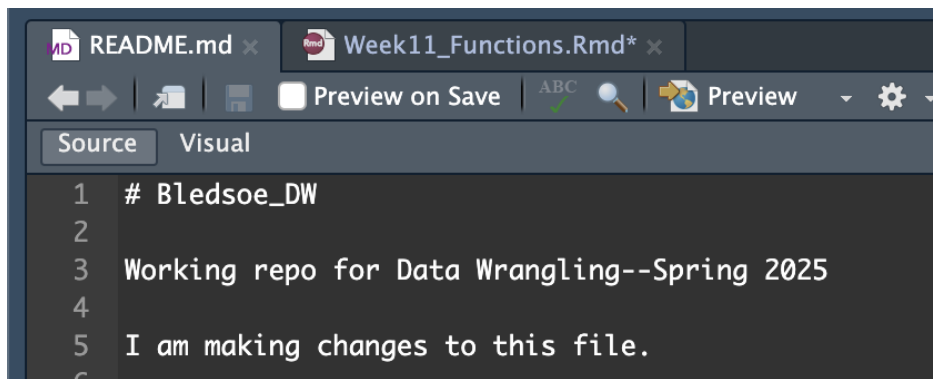
You should leave at least **eight comments** during your review.

1. Open the cloned project.
2. Leave review notes using comments (for example, lines that begin with "REVIEW:").
3. Save the files after adding your comments.

```
Let's write out our first function. We want to calculate shrub volumes.

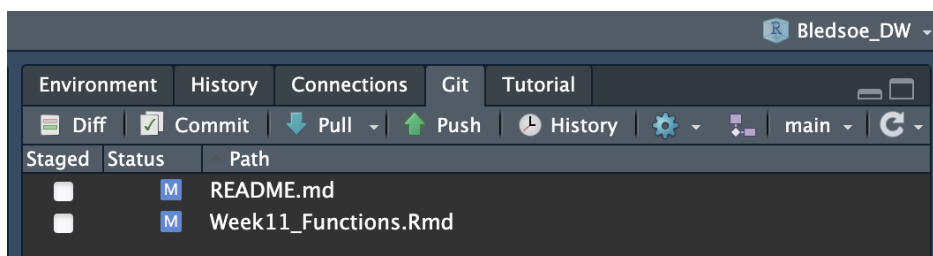
'''{r}
# Add comments to code to ask questions or offer suggestions
# For example, I might suggest putting the functions that are used in the
code at the top of the document or in a separate file, as is best practice!

# You can also make edits to code directly (adding a comment about why you
made the change should go along with that).
# rename function to "calc_volume" (from "calc_shrub_volume") to make more
general
calc_volume <- function(length, width, height){
  volume <- length * width * height
  return(volume)
}
'''
```



Step 3: Commit and Push Your Changes

- Save the comments or edits to the files.
- Commit and push your comments and edits
 - Use the Git pane to stage and commit the changes.
 - Write a brief commit message like “Peer review comments.”
 - Push the changes to your forked GitHub repository.
- Repeat this process as many times as needed.



Step 4: Create a Pull Request to Submit Your Review

Once you have completed your comments:

- Go to your **forked repository** on GitHub and click on the “Contribute” button.

bleds22e / Bledsoe_DW

Public

forked from [WFSC-DataWrangling-Sp25/Bledsoe_DW](#)

This branch is 1 commit ahead of WFSC-DataWrangling-Sp25/Bledsoe_DW:main .

Contribute Sync fork

bleds22e useful commit message e606b65 · 1 minute ago 14 Commits

- Select “Open pull request.”

bleds22e / Bledsoe_DW

Public

forked from [WFSC-DataWrangling-Sp25/Bledsoe_DW](#)

This branch is 1 commit ahead of WFSC-DataWrangling-Sp25/Bledsoe_DW:main .

Contribute Sync fork

This branch is 1 commit ahead of WFSC-DataWrangling-Sp25/Bledsoe_DW:main

Open a pull request to contribute your changes upstream.

Open pull request

Commit Message	Time Ago
add fish data to data_raw folder	last month
move to documents folder	3 weeks ago
add week 11 files	3 weeks ago
add .DS_Store to .gitignore	3 weeks ago
add .Rproj file	28 days ago

- Confirm that:
 - The *base* repository is your peer’s/the class organization’s (e.g., WFSC-DataWrangling-Sp25/project).
 - The *head* repository is your fork (e.g., yourusername/project).
- Write a short summary of your review in the pull request description.
- Click on the downward arrow on the right side of the “**Create pull request**” button and select “Create draft pull request.”

WFSC-DataWrangling-Sp25 / Bledsoe_DW

< Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#) or [learn more about diff comparisons](#).

base repository: WFSC-DataWrangling-Sp25/... base: main ← head repository: bleds22e/Bledsoe_DW compare: main

✓ Able to merge. These branches can be automatically merged.

Add a title

Peer Code Review

Add a description

Write Preview H B I L < > @

Opening a pull request (PR) from my fork of the repo to the original repo.

This will show any/all changes I made to the files in my fork of the repo below.

Markdown is supported Paste, drop, or click to add files

✓ Allow edits by maintainers Draft pull request

Remember, contributions to this repository should follow the [pull request workflow](#).

1 commit

1 contributor

Reviewers: No reviews

Assignees: No one—assign yourself

Labels: None yet

Projects: None yet

Milestone: No milestone

Development: Use [Closing keywords](#) in the description to automatically close issues

Helpful resources: [GitHub Community Guidelines](#)

Create pull request: Open a pull request that is ready for review

Create draft pull request: Cannot be merged until marked ready for review

Important Note! You are submitting comments and suggestions only. Do NOT merge the pull request.

If you and/or you peer want to have further discussion about any of the comments or suggestions, you can use the “Conversation” and “Files Changed” tabs.

Peer Code Review #2

bleds22e wants to merge 1 commit into WFSC-DataWrangling-Sp25:main from bleds22e:main

Conversation 0 Commits 1 Checks 0 Files changed 2

0/2 files viewed Ask Copilot Review in codespace Review changes

Filter changed files

README.md

Week11_Functions.Rmd

2 README.md

```
@@ -1,3 +1,5 @@
1 1 # Bledsoe_DW
2 2
3 3 Working repo for Data Wrangling—Spring 2025
4 +
5 + I am making changes to this file.
```

7 Week11_Functions.Rmd

```
@@ -46,7 +46,12 @@ The braces indicate that the lines of code are a
46 46 Let's write out our first function. We want to calculate shrub volumes.
47 47 ...{r}
48 48
49 - calc_shrub_volume <- function(length, width, height){
50 + # Add comments to code to ask questions or offer suggestions
51 + # For example, I might suggest putting the functions that are used in
the code at the top of the document or in a separate file, as is best
practice!
```

Write Preview H B I L < > @

Good idea!

Markdown is supported Paste, drop, or click to add files

Cancel Add single comment Start a review

Peer Code Review #2

bleds22e commented 2 minutes ago

Opening a pull request (PR) from my fork of the repo to the original repo.

This will show any/all changes I made to the files in my fork of the repo below.

useful commit message e606b65

No conflicts with base branch

Merging can be performed automatically.

This pull request is still a work in progress

Draft pull requests cannot be merged.

Ready for review

Merge pull request

You can also merge this with the command line. [View command line instructions](#).

Development: Successfully merging this pull request may close these issues.