

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: Tuesday, Dec 9 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 Submit Comments via GitHub (75 points)

Provide **specific, respectful, and helpful** comments via 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.qmd` 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

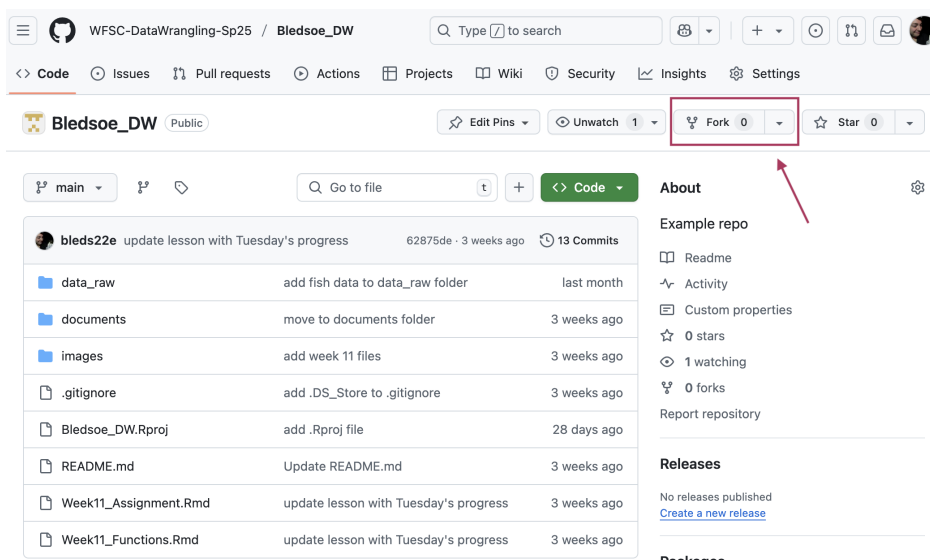
Category	Points	Criteria
<i>Repository Access & Setup</i>	5	Repository is successfully forked and cloned. Reviewer created a new branch.
<i>Clarity & Readability Comments</i>	15	Comments address variable names, structure, and ease of understanding.
<i>Functionality Comments</i>	15	Reviewer tested code and provided feedback on functionality and outputs.
<i>Code Organization Comments</i>	15	Feedback includes directory structure and logic of .Rmd layout.
<i>Documentation Comments</i>	15	Reviewer comments on README quality and .qmd 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

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!

WFSC-DataWrangling-Sp25 / Bledsoe_DW

Search: Type to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Create a new fork

A fork is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project.

Required fields are marked with an asterisk (*).

Owner * bleds22e Repository name * Bledsoe_DW

✓ Bledsoe_DW is available.

By default, forks are named the same as their upstream repository. You can customize the name to distinguish it further.

Description (optional)
Example repo

☒ Copy the `main` branch only
Contribute back to WFSC-DataWrangling-Sp25/Bledsoe_DW by adding your own branch. [Learn more.](#)

? You are creating a fork in your personal account.

Create fork

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

bleds22e / Bledsoe_DW

Search: Type to search

Code Pull requests Actions Projects Wiki Security Insights Settings

Bledsoe_DW Public
forked from WFSC-DataWrangling-Sp25/Bledsoe_DW

Pin Watch 0 Fork 0 Star 0

main

Go to file

Code

This branch is up to date with WFSC-DataWrangling-Sp25/Bledsoe_DW:main.

Contribute Sync fork

bleds22e update lesson with Tuesday's progress 62875de · 3 weeks ago 13 Commits

data_raw	add fish data to data_raw folder	last month
documents	move to documents folder	3 weeks ago
images	add week 11 files	3 weeks ago
.gitignore	add .DS_Store to .gitignore	3 weeks ago
Bledsoe_DW.Rproj	add .Rproj file	28 days ago
README.md	Update README.md	3 weeks ago
Week11_Assignment.Rmd	update lesson with Tuesday's progress	3 weeks ago

About

Example repo

- Readme
- Activity
- 0 stars
- 0 watching
- 0 forks

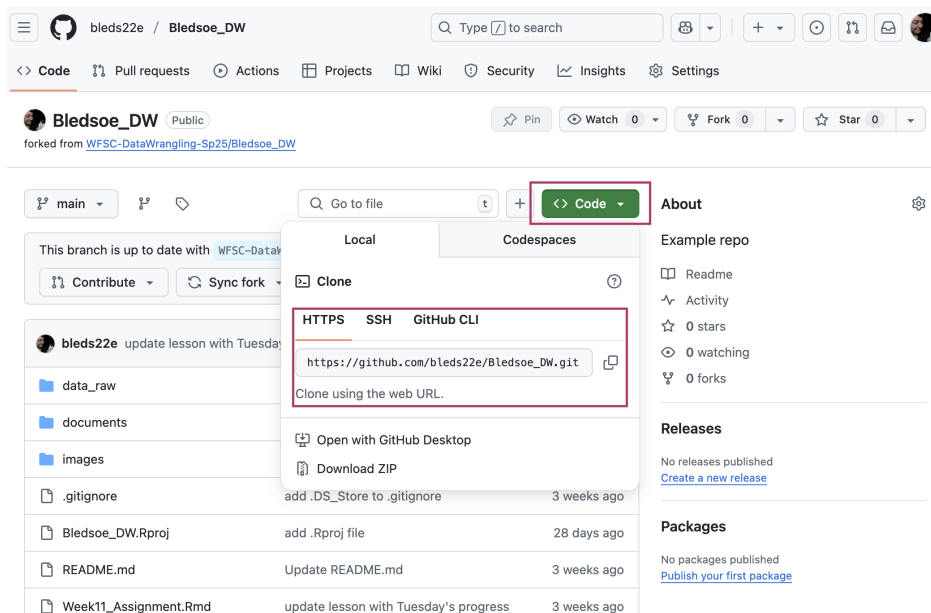
Releases

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

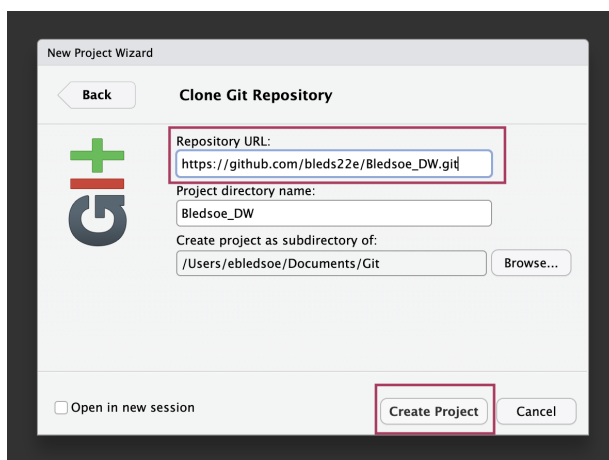
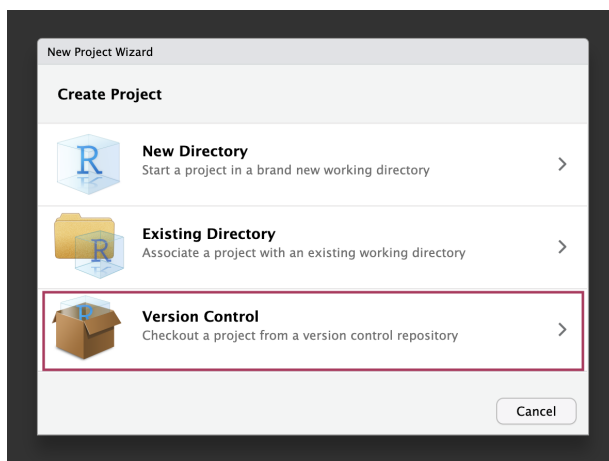
Packages

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

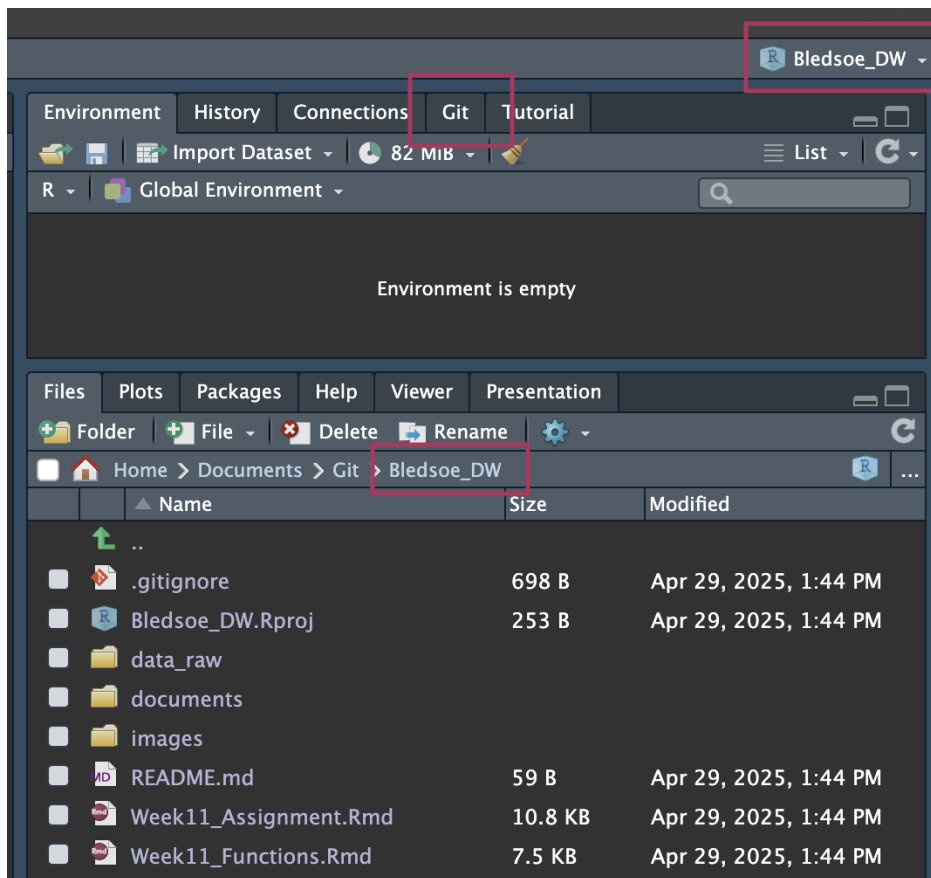
- On your forked copy, click the green **Code** button and copy the URL.



- 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

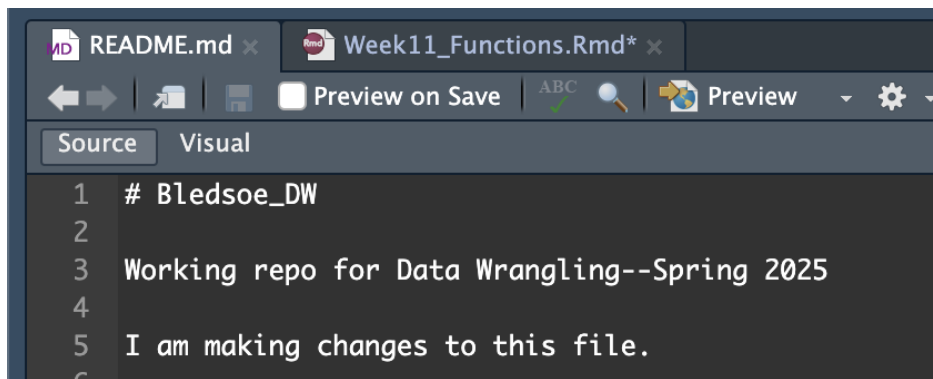
You should leave at least **eight comments** during your review.

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!

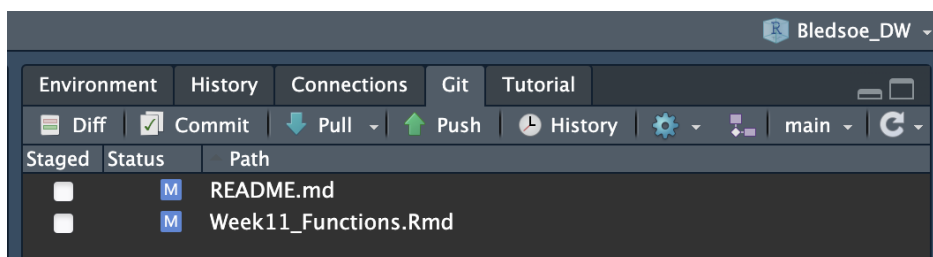
You can also make edits to code directly (adding a comment about why you
made the change should go along with that).
rename function to "calc_volume" (from "calc_shrub_volume") to make more
general
calc_volume <- function(length, width, height){
 volume <- length * width * height
 return(volume)
}
```



```
1 # Bledsoe_DW
2
3 Working repo for Data Wrangling--Spring 2025
4
5 I am making changes to this file.
6
```

### Step 3: Commit and Push Your Changes

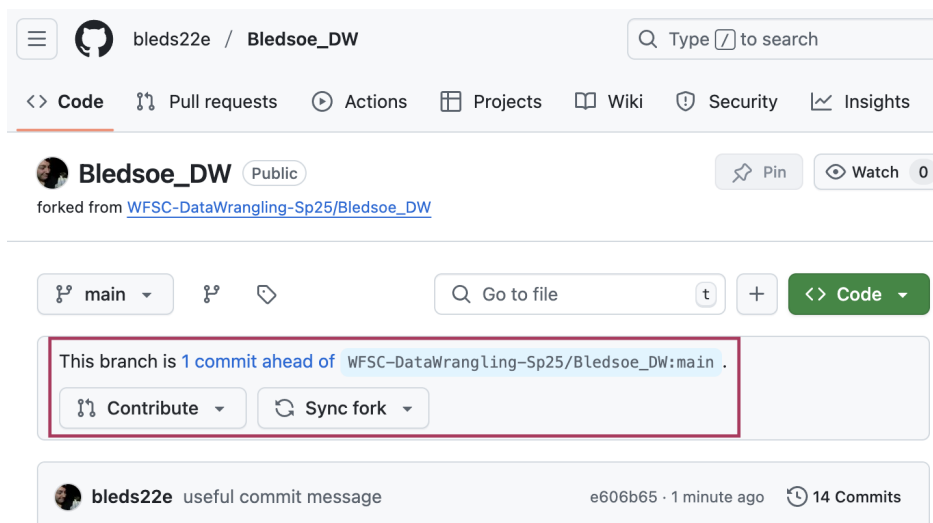
- Save the comments or edits to the files.
- Commit and push your comments and edits
  - Use the Git pane to stage and commit the changes.
  - Write a brief commit message like “Peer review comments.”
  - Push the changes to your forked GitHub repository.
- Repeat this process as many times as needed.



### 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.



- Select “Open pull request.”

Repository page for **Bledsoe\_DW** (Public) by user **bleds22e**. The repository is forked from [WFSC-DataWrangling-Sp25/Bledsoe\\_DW](#).

Navigation tabs: Code, Pull requests, Actions, Projects, Wiki, Security, Insights.

Buttons: Pin, Watch (0).

Branch: **main**. Search: Go to file. Buttons: Code.

This branch is **1 commit ahead of** WFSC-DataWrangling-Sp25/Bledsoe\_DW:main.

Buttons: **Contribute** (highlighted), Sync fork.

Tooltip for **Contribute**:

This branch is **1 commit ahead of** WFSC-DataWrangling-Sp25/Bledsoe\_DW:main.

Open a pull request to contribute your changes upstream.

Button: **Open pull request** (highlighted).

Commit Hash	Commit Message	Time Ago
e606b65	add fish data to data_raw folder	1 minute ago
	move to documents folder	last month
	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., `DataWrangling-Fall2025/project`).
  - The *head* repository is your fork (e.g., `yourusername/project`).
- Write a short summary of your review in the pull request description.
- Include the “3 actionable suggestions” from your review (and any other notes not included in the code).
- Click on the downward arrow on the right side of the “**Create pull request**” button and select “Create draft 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.

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