Accessing a Lunchinators repository:

**Log in to GitHub.com**

What we’re about to do:

We need to get the web address for this week’s git repository

Click the “me” button (top right, with a small blue dot and a down arrow)

Select “My organizations”

I have invited you to the ISU-LunchinatoRs organization. If you accepted that invitation (this week or a long time in the past), you should see ISU-LunchinatoRs in the list of organizations, click that

Look for Repositories below the “popular repositories”,

These should be sorted by date. We will illustrate the process using materials for Anna Tucker’s talk. This is in the F23-ggplot-extensions.

Click on that name.

The web site address bar should now read:

<https://github.com/ISU-LunchinatoRs/F23-ggplot-extensions>

Copy that web address

**Start (or make active) RStudio.**

What we’re about to do:

We need to create an R project from the materials in the repository

In the top right of the R window are the words Project: (None) with a small down arrow. Click that arrow.

If you’re already using a project, you’ll see its name instead of (None). Don’t worry.

That will be closed when you start the new project.

Click New project. This will close and save any current work and open a dialog window.

Click Version Control. This project will be started using the git repository

Click Git (the project is git-based. Subversion is another repository system.

Paste the copied web address from the GitHub window into the Repository URL.

RStudio will create a short project directory name.

this will be created on your computer and will be the local copy of what is in the repository

The default subdirectory is ~, which is your current working directory.

Both defaults (directory name and subdirectory) are usually just fine.

You can change either if you feel the need to.

Click Create Project at the bottom of the New Project dialog

You will see that:

“Package (None)” in the top right has been replaced by the name of the package:

F23-ggplot-extensions,

and the files window contains a list of the files in this folder.

If you don’t see the file names, look for the RStudio panel labelled Files / Plots / Packages / Help / Viewer / Presentation and click Files.

You can ignore some files:

.gitignore: Information for git

README.md: Information about the contents of this repository

F23-ggplot-extensions.Rproj: Information for RStudio about this project

Anna provided R code in the file called ggplot-extensions-simplified.R Double click on that name and the contents will be copied into the RStudio script window, where you can execute them.

Some presentations will include data files or presentations (e.g. powerpoint or pdf)

Data files will automatically be copied into your local working directory.

Double clicking on the presentation file will open powerpoint or Acrobat so you can read the file.

You’re good to go!

If you close RStudio and restart it, you’ll automatically start in the same project.

Great when you’re continuing to work on something

Frustrating when you’re really starting on something different (or new)

Especially when that project is linked to a communal repository

**Close the Lunchinators project**

Click the down arrow by the project name (top right of the R Studio window)

Choose Close Project.

You’ll be returned to the starting R Studio screen and working directory.

**Suggestions for being a “nice” Lunchinators user:**

1) Don’t commit or push any changes.

Git is designed for multiple folks to work on the same project. That means anyone can make changes to the files in the repository. Git maintains oversight of all files in your local copy of the repository so you can easily copy those changes back to the repository. Pushing and committing are the mechanism to copy any local changes back to the repository. Great when you’re working collaboratively and intend to make changes. Not good (even treacherous) when you’re reading material or playing around with code. Please don’t do any commits or pushes. Better to avoid those buttons completely.

You’re welcome to edit your local code. Please leave the repository alone so others can use what was originally posted. If you get warnings about “ahead” or “behind”, ignore them.

2) If you want to make major changes (e.g. to revise Lunchinators code for your problem):

Wonderful! That’s what lunchinators is all about. Please make a copy of the lunchinators code in a new folder. That removes the file from oversight by the repository.

To copy a file: activate the Files panel, select the file by clicking the square to the left of the file name, Select More from the menu at the top of the Files panel, select Copy to and your desired destination folder.

3) Don’t share Lunchinators code or data without approval from the presenter.

The material on the Lunchinators site are almost certainly works in progress by the presenter. Treat them as confidential and don’t share them outside the Lunchinators group. This is why the repo is Private (not publicly discoverable). Everyone “in” Lunchinators can access the repositories. (If you’re on the e-mail list and don’t have access to the ISU-LunchinatoRs repo, contact Philip Dixon to be invited to the repo).