

Reading

RStudio Cloud

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- *Uploading and Downloading Files*
- *RStudio Options*

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RStudio Cloud
statistical computing online

Welcome to RStudio Cloud alpha

Do, share, teach and learn data science with R.



Get Started

If you already have an RStudio shinyapps.io account, you can log in using your existing credentials.

<https://rstudio.cloud/>

What is R Studio Cloud ?

An internet-based version of the



Integrated Developer Environment

that requires you to be *online*



Why R Studio Cloud?

1. Persistent Computing Across Computers

- Able to work on a laptop then switch to a university computer without syncing files.

2. Pre-configured *R* and *RStudio* Environments

- Jump right in!
- Avoid worrying about installing software.

3. Faster Computing

- Offload computations to the cloud

1. Sign Up for R Studio Cloud

<https://login.rstudio.cloud/register>

A screenshot of the R Studio Cloud sign-up form. It consists of five input fields arranged vertically: 'netid@illinois.edu' (with placeholder text), 'Password' (with placeholder text), 'First Name' (with placeholder text), and 'Last Name' (with placeholder text). Below these fields is a blue rectangular button with the text 'Sign up' in white.

2. Accept the Class Invitation

[https://rstudio.cloud/spaces/2090/join?
access_code=canE4ALvjxnwGCVbXEWyWgn6nMLqqfw%2FXCG
hsj%2Bj](https://rstudio.cloud/spaces/2090/join?access_code=canE4ALvjxnwGCVbXEWyWgn6nMLqqfw%2FXCGhsj%2Bj)

Workspace

<https://rstudio.cloud/spaces/2090/projects>

The screenshot shows the RStudio Cloud workspace interface. At the top, there is a navigation bar with tabs: 'STAT 385' (with a three-line menu icon), 'Projects' (which is selected and highlighted in blue), 'Members', and 'Info'. To the right of the tabs are icons for settings, trash, and a user profile labeled 'JB James Balamuta'. Below the navigation bar, the main content area has a title 'All Projects' on the left and a 'New Project' button with a dropdown arrow on the right. In the center, a message says 'No Projects'. To the right of the central area are two sections: 'Options' with a close 'X' button, containing a search bar labeled 'Search Projects' with a magnifying glass icon; and 'List Projects' with radio buttons for 'All' (selected), 'Shared with everyone', and 'Yours'. At the bottom right is a 'Sort Projects' section with radio buttons for 'By name' (selected) and 'By date created'.

All Projects

No Projects

New Project ▾

Options X

Search Projects

List Projects

All

Shared with everyone

Yours

Sort Projects

By name

By date created

STAT 385 Workspace
where your RStudio projects live

Navigate to STAT 385's Space

The screenshot shows the RStudio Cloud interface with two main sections:

Your Projects (Top Left):

- Header: Your Workspace, Projects (selected), Learn.
- Section: Your Projects
- Content: No Projects
- Buttons: New Project, Options (with a close button).
- Search: Search Projects (with a search bar).
- Sort Projects: By name (selected), By date created.

Your Workspace (Bottom Left):

- Header: STAT 385, Projects (selected), Members, Settings.
- Section: Your Workspace
- Content: Welcome to your workspace in RStudio Cloud. A note says: Keep in mind that work you do here can be viewed by all other RStudio Cloud users. Likewise, you can see and learn from the work other users create in their workspaces.
- Other Spaces: A list titled "Your Other Spaces" includes STAT 385, STAT 420, STAT 432, and a "New Space" option. This list is highlighted with a red box and a red arrow points to it from the left side of the screen.

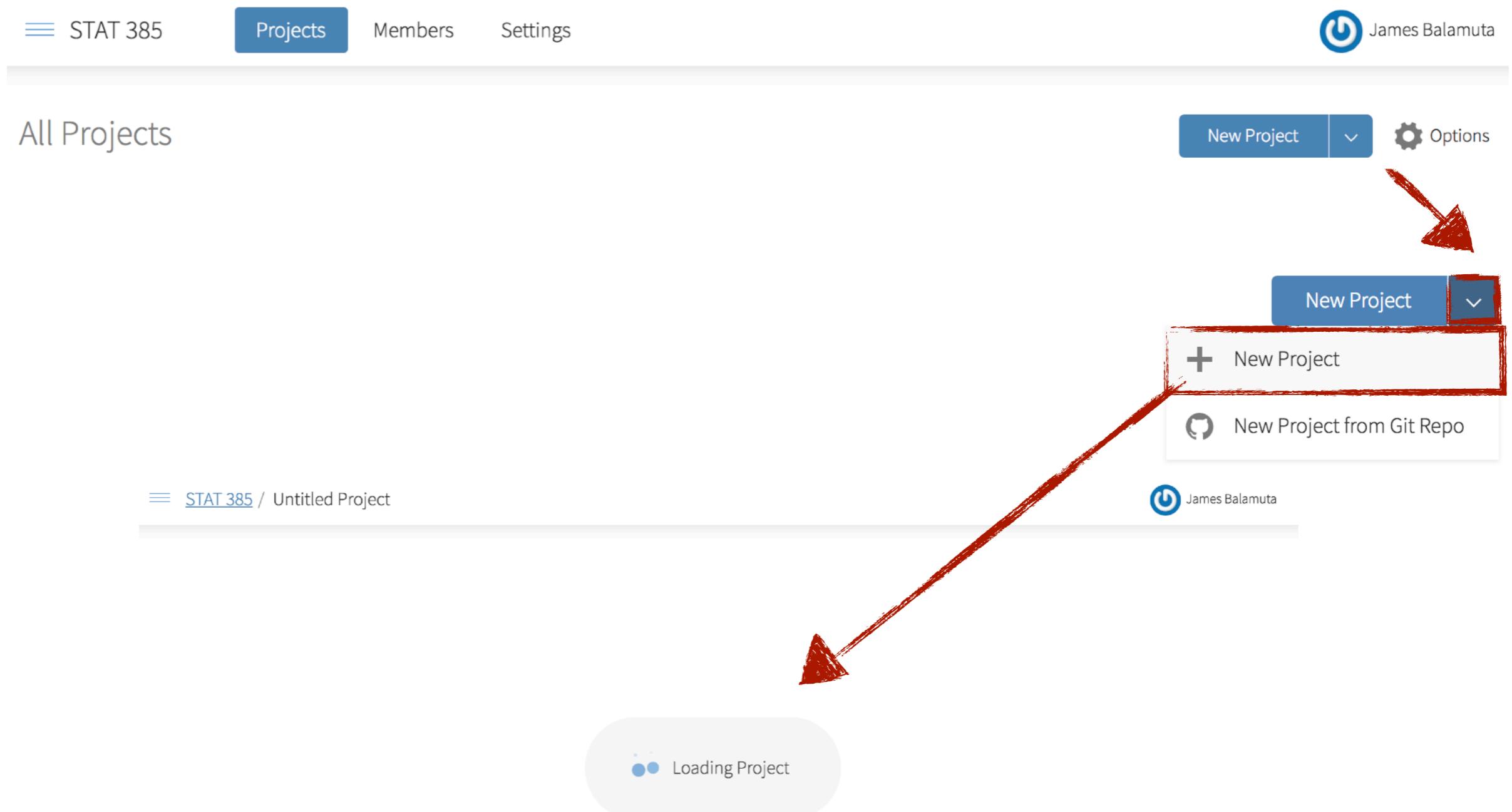
All Projects (Bottom Right):

- Header: New Project, Options.
- Content: All Projects (list not visible).

Non-git Backed Projects

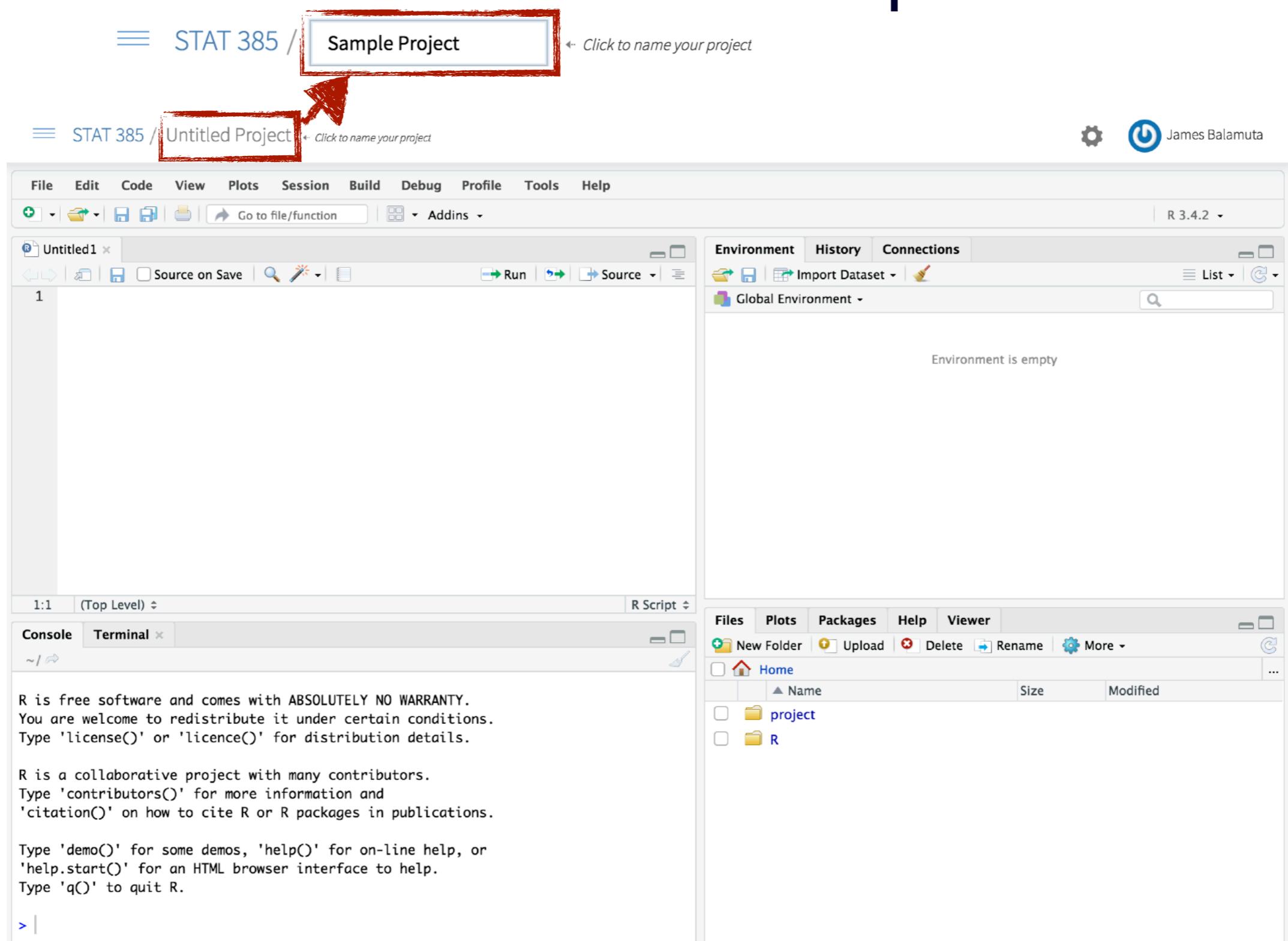
(Personal projects / non-course assignments)

Create a New Project (non-git)



...Wait for it to Load ...

RStudio Workspace



Return to Project

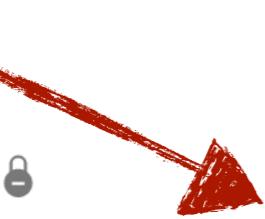
STAT 385 Projects Members Settings

All Projects

New Project ▾

Sample Project James Balamuta

Delete



STAT 385 / Sample Project

R 3.4.2

Environment History Connections

Global Environment

Environment is empty

Console Terminal

```
R version 3.4.2 (2017-09-28) -- "Short Summer"
Copyright (C) 2017 The R Foundation for Statistical Computing
Platform: x86_64-pc-linux-gnu (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.
```

Files Plots Packages Help Viewer

New Folder Upload Delete Rename More

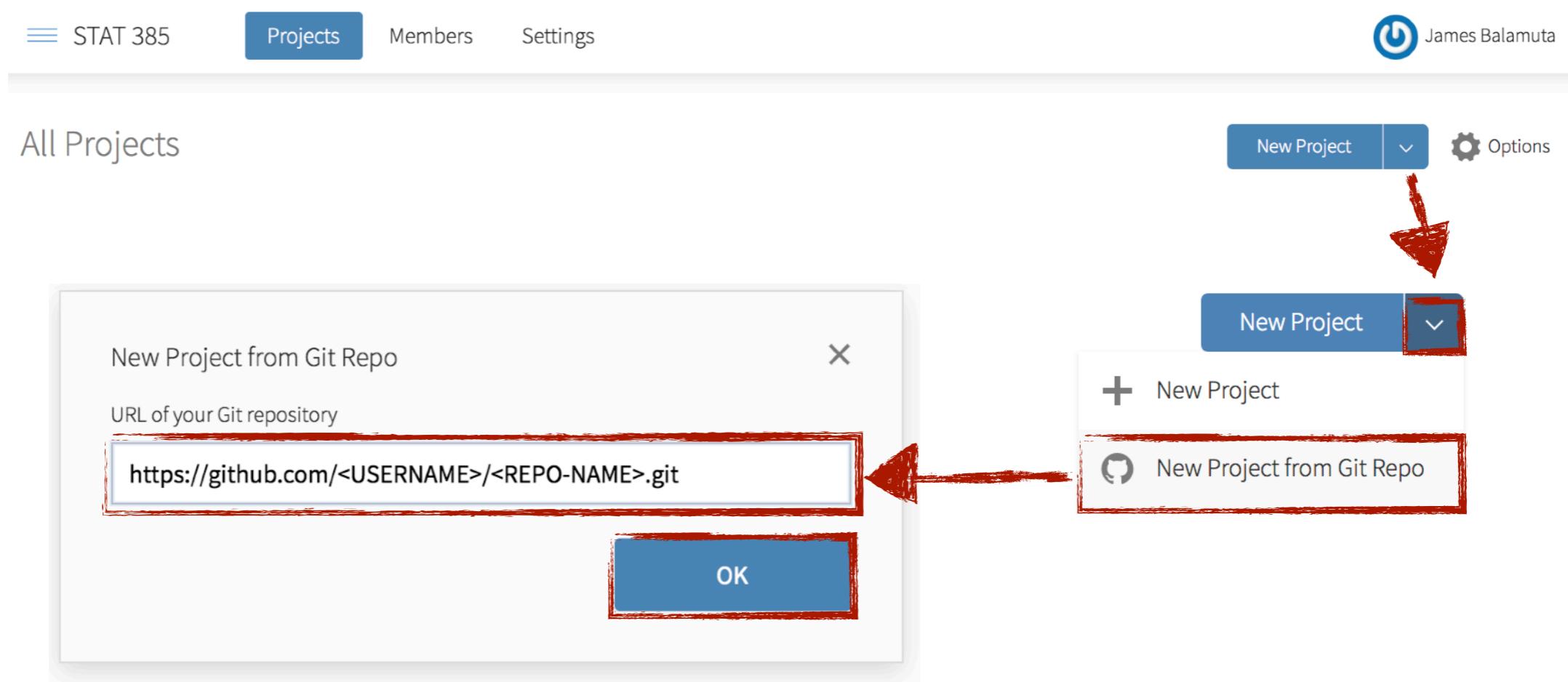
Home

Name	Size	Modified
project		
R		

VCS Backed Projects

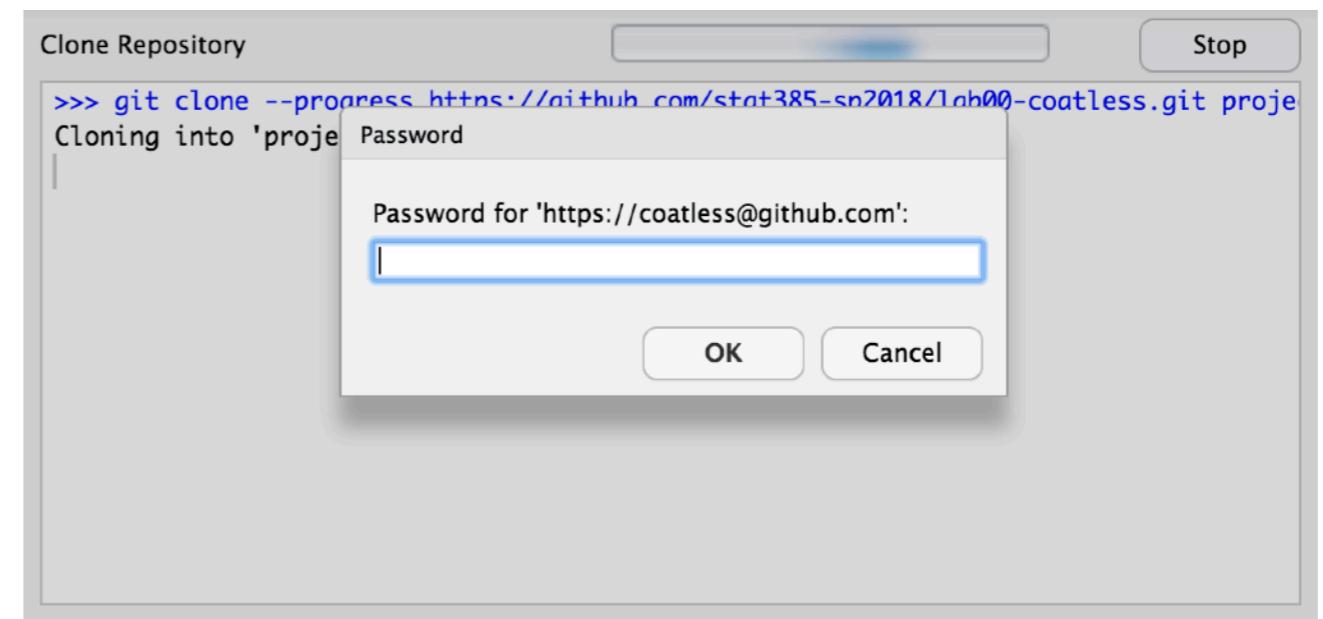
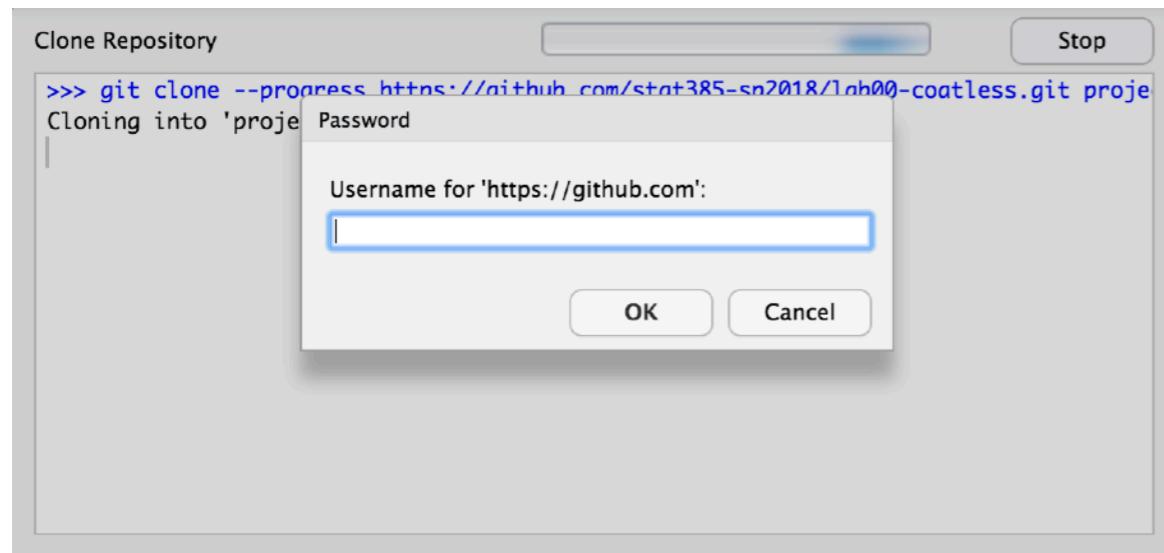
Course Assignments

Making a git Project



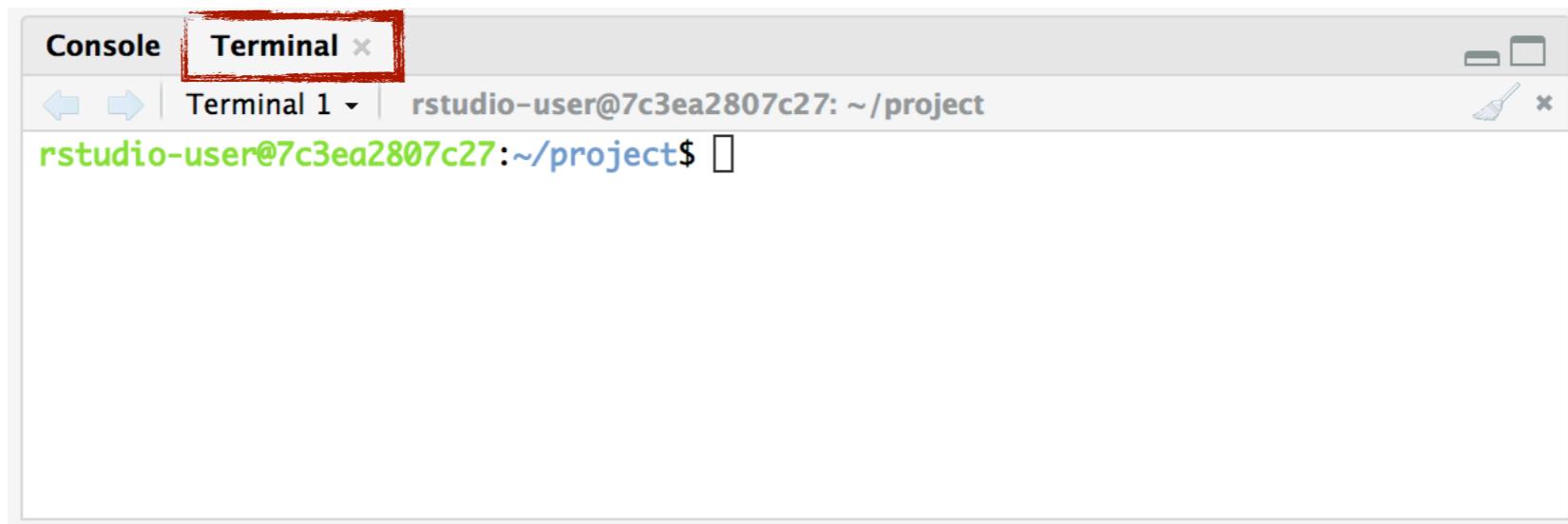
Login To GitHub

supply username + password to download assignment



Introduce yourself

... steps to configure git for each RStudio Cloud project ...



git config --global user.name 'FirstName LastName'
git config --global user.email 'netid@illinois.edu'

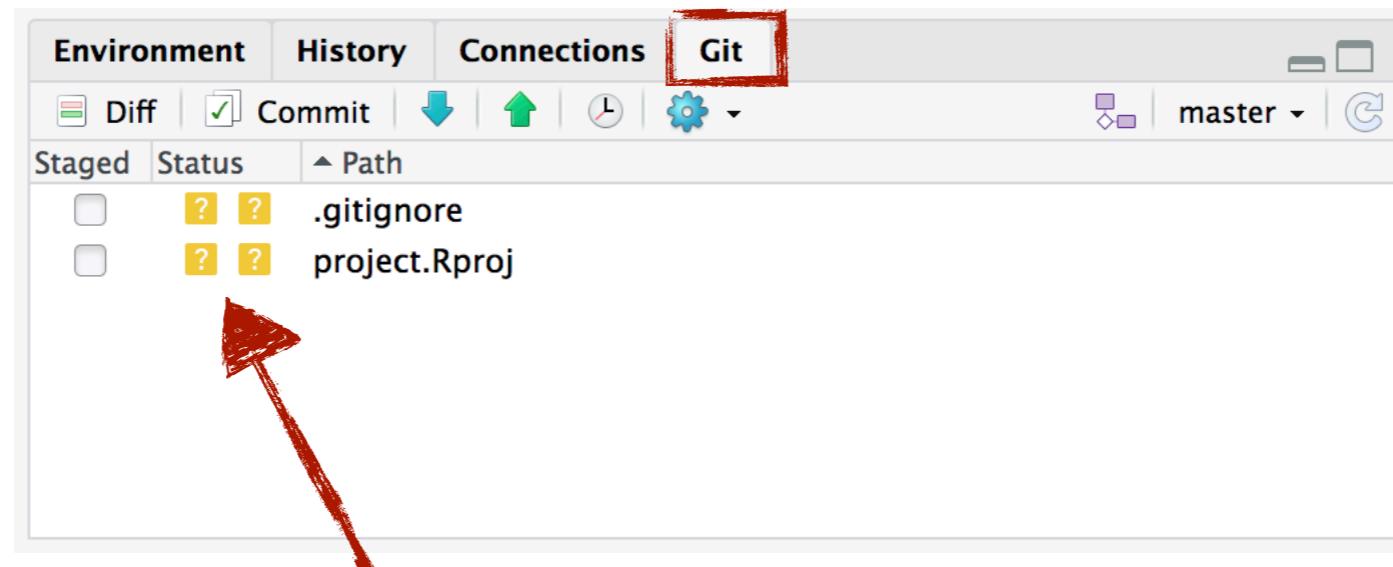
A screenshot of the RStudio Cloud terminal showing the execution of git configuration commands. The terminal window is titled 'Terminal 1' and shows the command prompt 'rstudio-user@7c3ea2807c27: ~/project'. The user has run the following commands:

```
rstudio-user@7c3ea2807c27:~/project$ git config --global user.name 'James Balamuta'  
rstudio-user@7c3ea2807c27:~/project$ git config --global user.email 'balamut2@illinois.edu'  
rstudio-user@7c3ea2807c27:~/project$
```

A green arrow points from the first command to the second, and a red arrow points from the second command to the third. A large green circle highlights the word 'config' in the first command.

Git Tab

... accessing git in RStudio ...



Untracked File or Directory



Staging or Adding a New File



Modified File



Deleted File



Renamed File



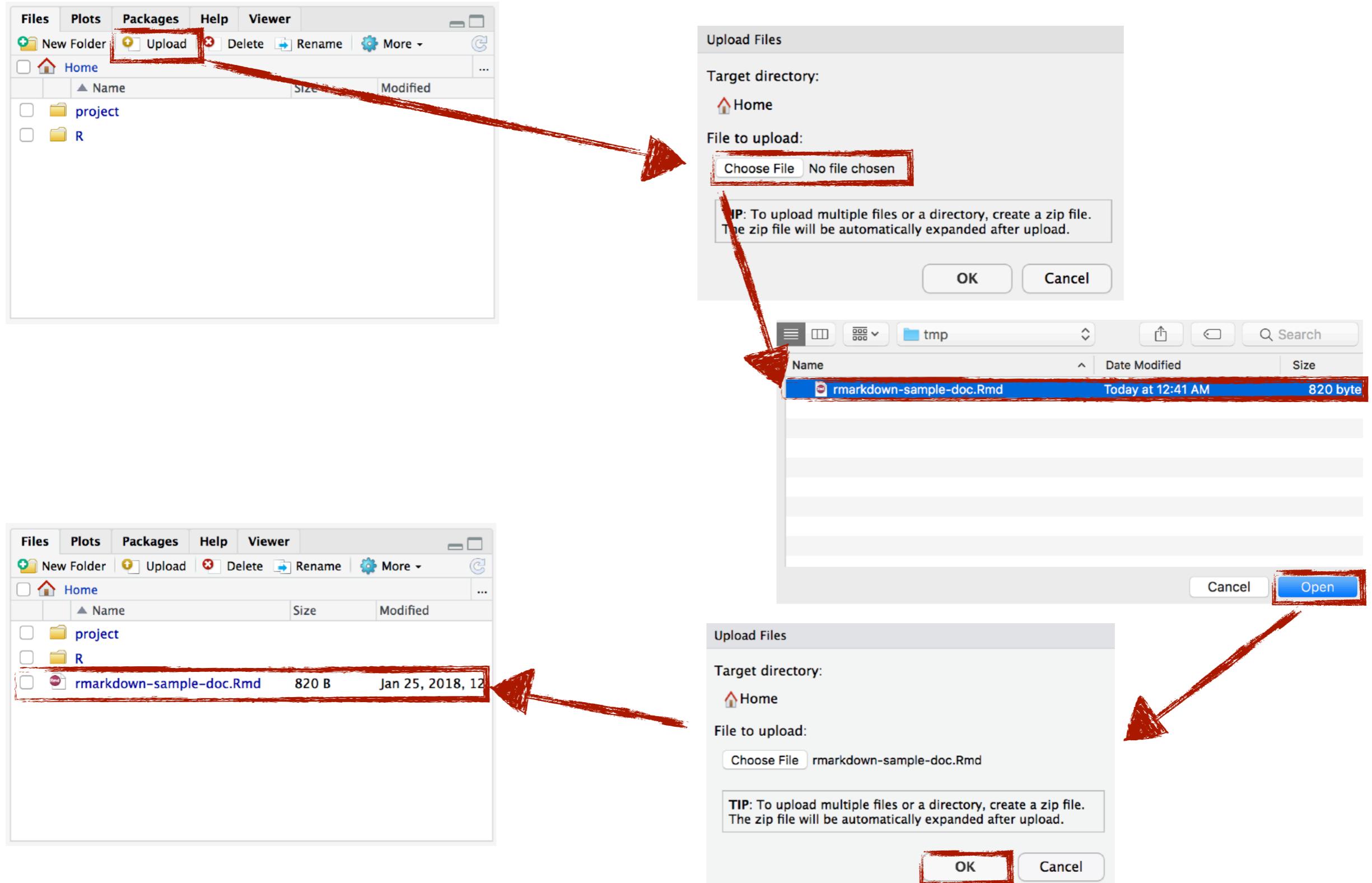
Copy of File



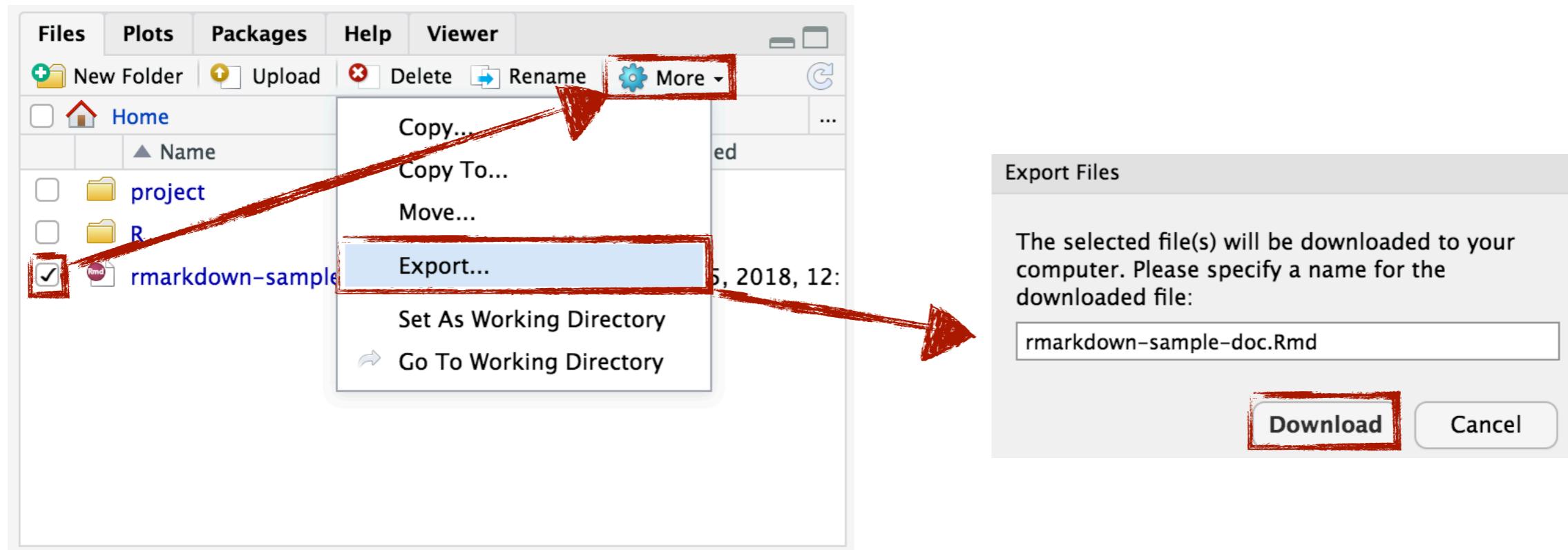
Unmerged File

Upload and Download Files

Upload Files



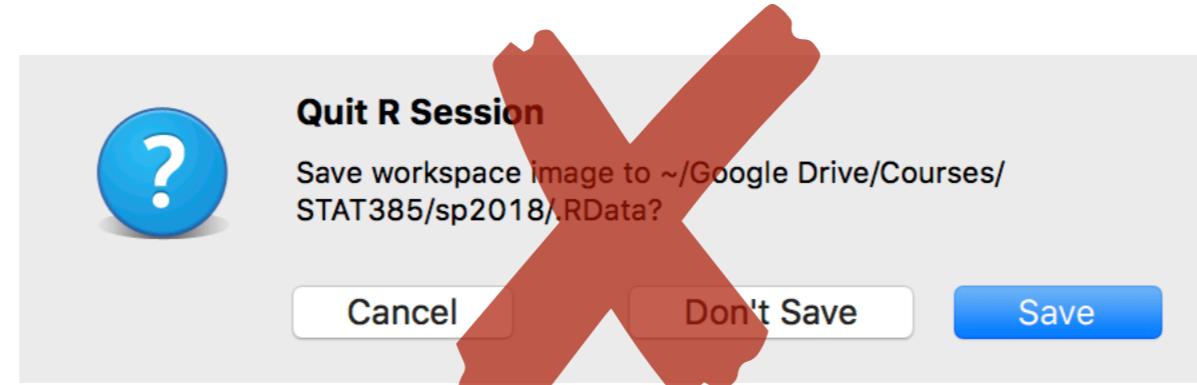
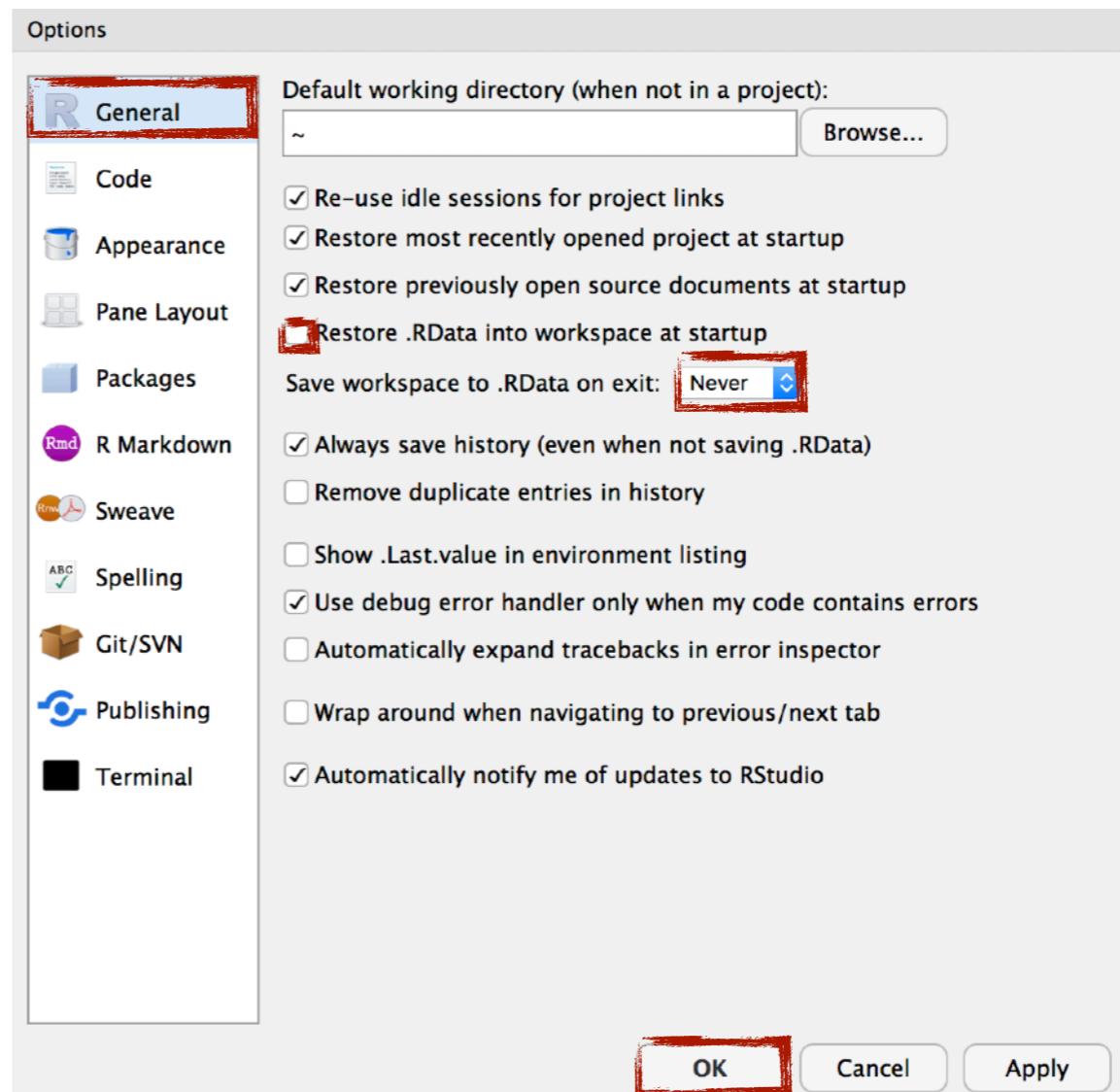
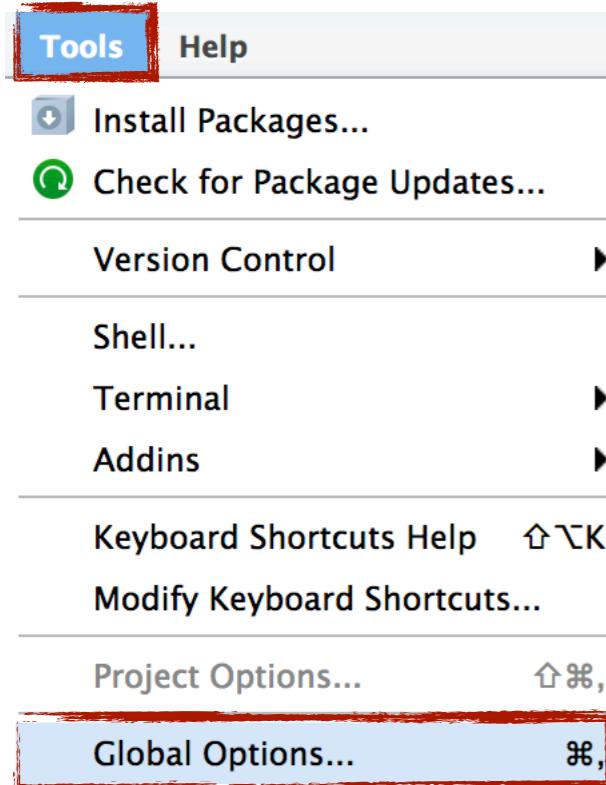
Download Files



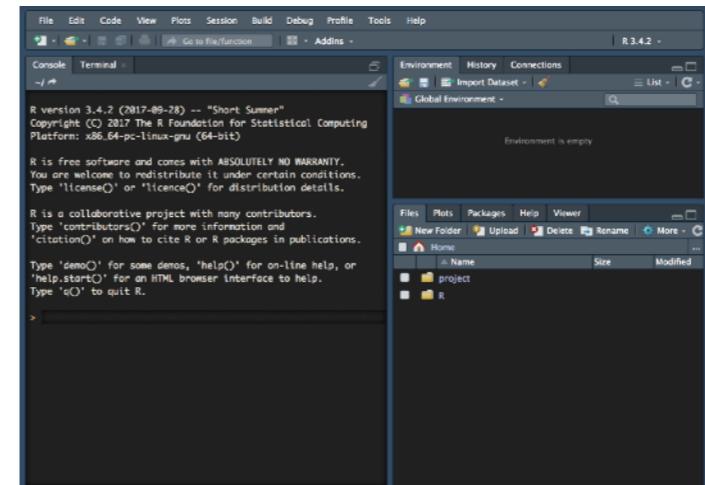
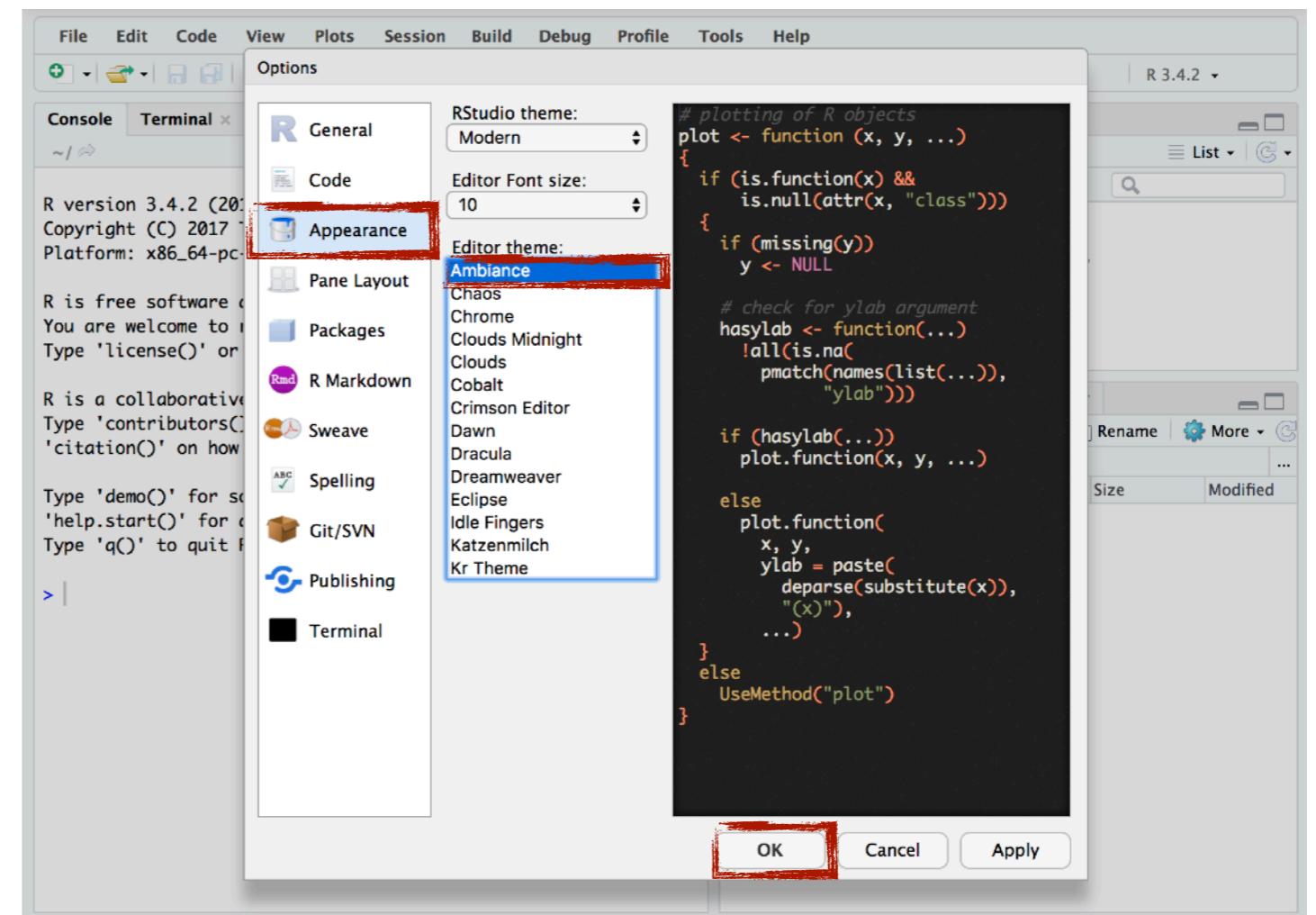
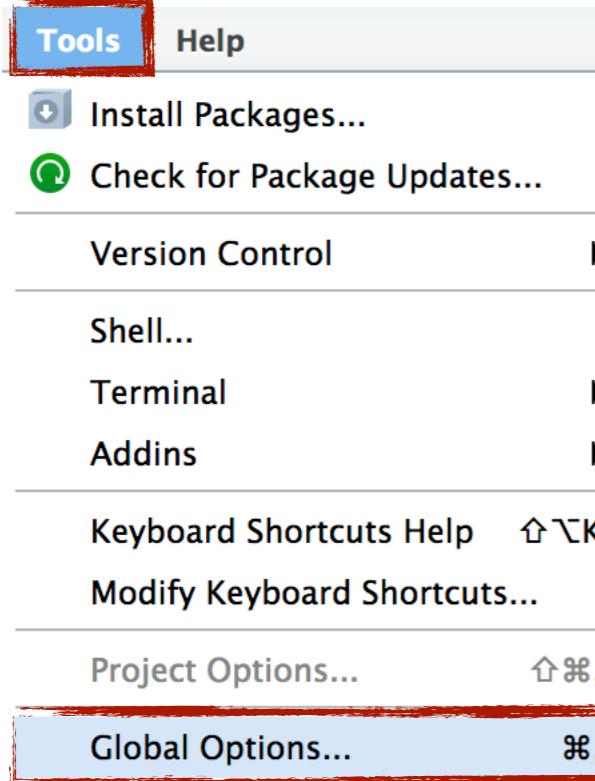
Defaults to downloading the file into the ~/Downloads folder

RStudio Options

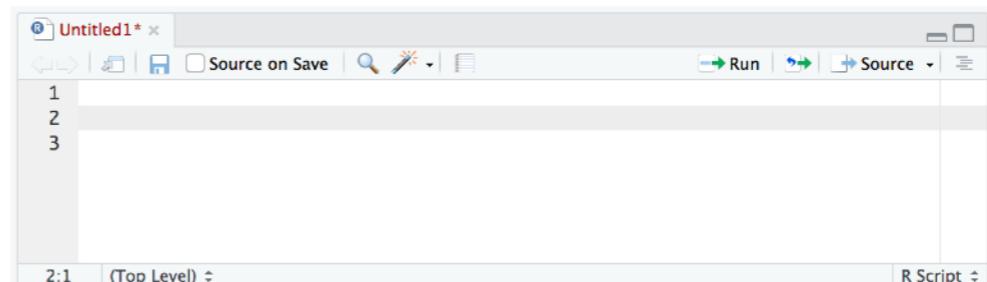
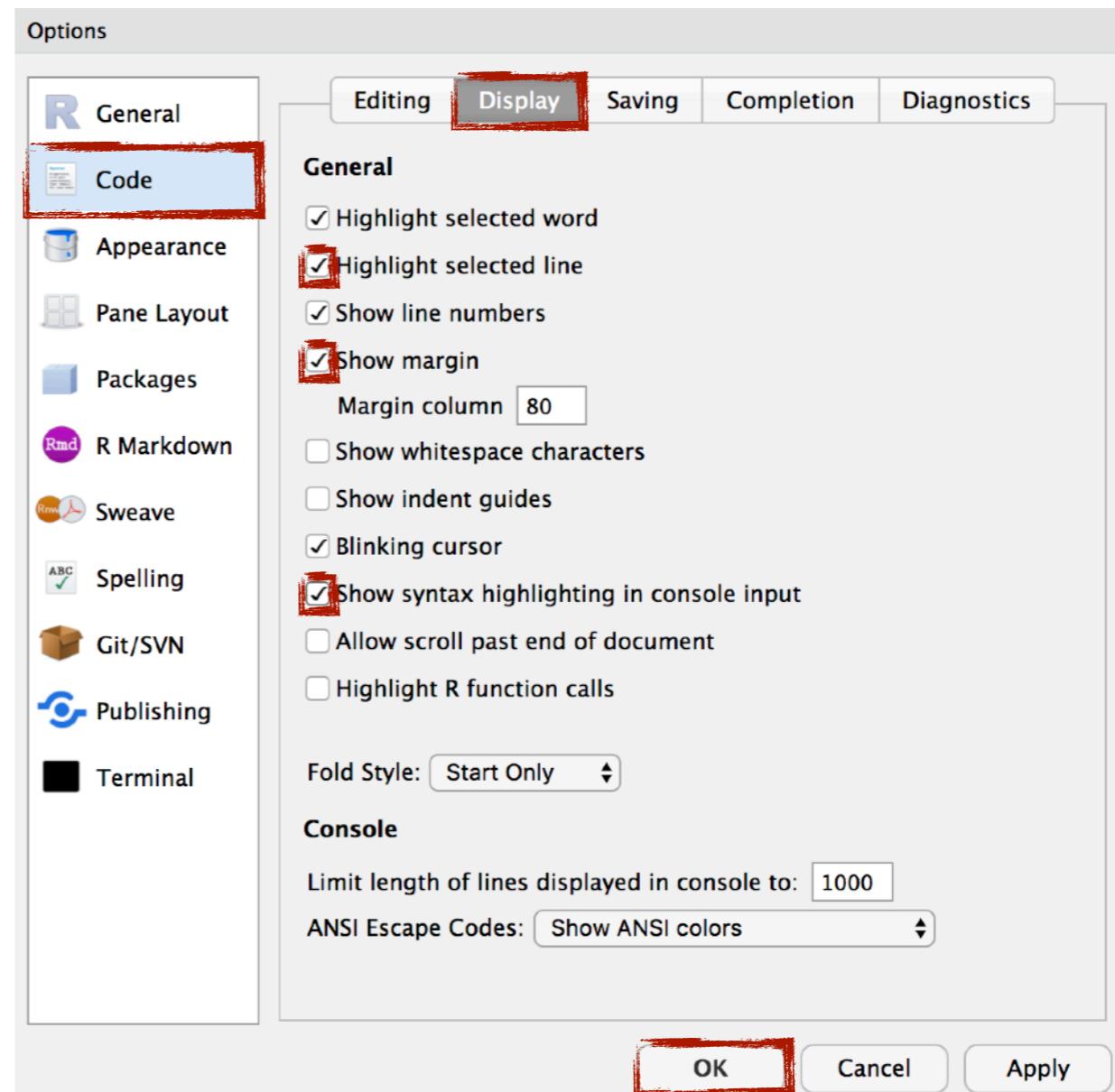
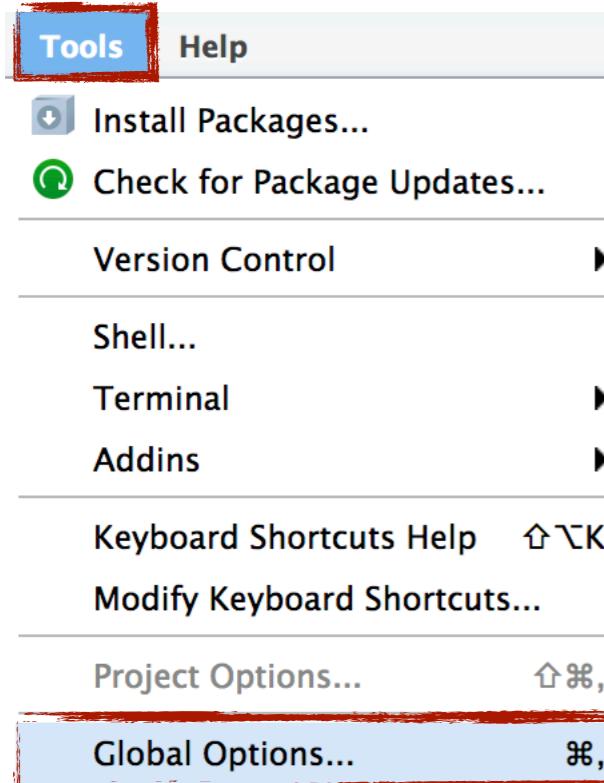
Disable Workspace Save



Change Themes



Code Editor Options



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