

Reading

RStudio Cloud

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- *RStudio Options*

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STAT 385 @ UIUC



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: 1. An email input field containing "netid@illinois.edu". 2. A password input field labeled "Password". 3. A first name input field labeled "First Name". 4. A last name input field labeled "Last Name". 5. A blue "Sign up" button at the bottom.

2. Accept the Class Invitation

See introduction slides for link

Workspace

... bookmark the STAT 385 space ...

The screenshot shows a workspace interface with the following elements:

- Top Navigation:** STAT 385, Projects (selected), Members, Info, Settings gear icon, trash bin icon, and user profile (JB) James Balamuta.
- Project List:** All Projects. A message says "No Projects". A "New Project" button and a dropdown menu are visible.
- Search and Filter:** Options, Search Projects input field, and a search icon.
- List Projects:** Radio buttons for All (selected), Shared with everyone, and Yours.
- Sort Projects:** Radio buttons for By name (selected) and By date created.

STAT 385 Workspace
where your RStudio projects live

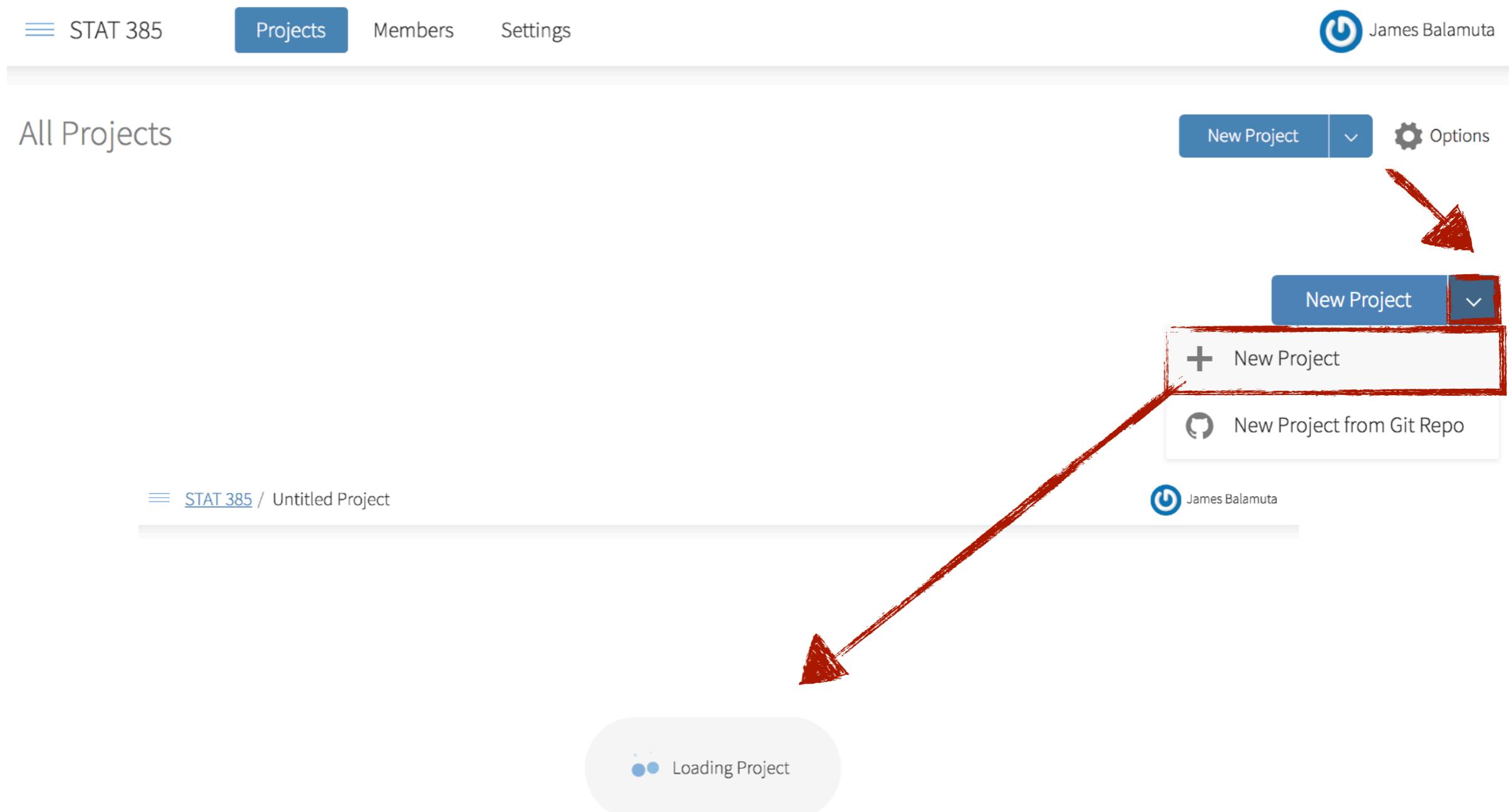
Navigate to STAT 385's Space

The screenshot shows the RStudio Cloud interface. At the top, there is a navigation bar with three items: "Your Workspace" (with a three-line icon), "Projects" (which is selected and highlighted in blue), and "Learn". On the right side of the top bar is a user profile icon for "James Balamuta". Below the navigation bar, the main content area is titled "Your Projects" and displays a message "No Projects". To the right of this message is a "New Project" button with a dropdown arrow. Further down, there is a search bar labeled "Search Projects" with a magnifying glass icon. A section titled "Sort Projects" contains two radio buttons: one selected ("By name") and one unselected ("By date created"). In the center of the page, there is a section titled "Your Workspace" with the sub-instruction "Welcome to your workspace in RStudio Cloud." Below this, 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." To the right of this note is a box titled "Your Other Spaces" containing a list of spaces: "STAT 385" (which is highlighted with a red box and has a red arrow pointing to it from the workspace name in the navigation bar), "STAT 420", "STAT 432", and a "+ New Space" button. At the bottom of the page, there is another navigation bar with four items: "STAT 385" (with a three-line icon), "Projects" (selected), "Members", and "Settings". On the right side of this bottom bar is another user profile icon for "James Balamuta". The bottom content area is titled "All Projects" and includes a "New Project" button and an "Options" button.

Non-git Backed Projects

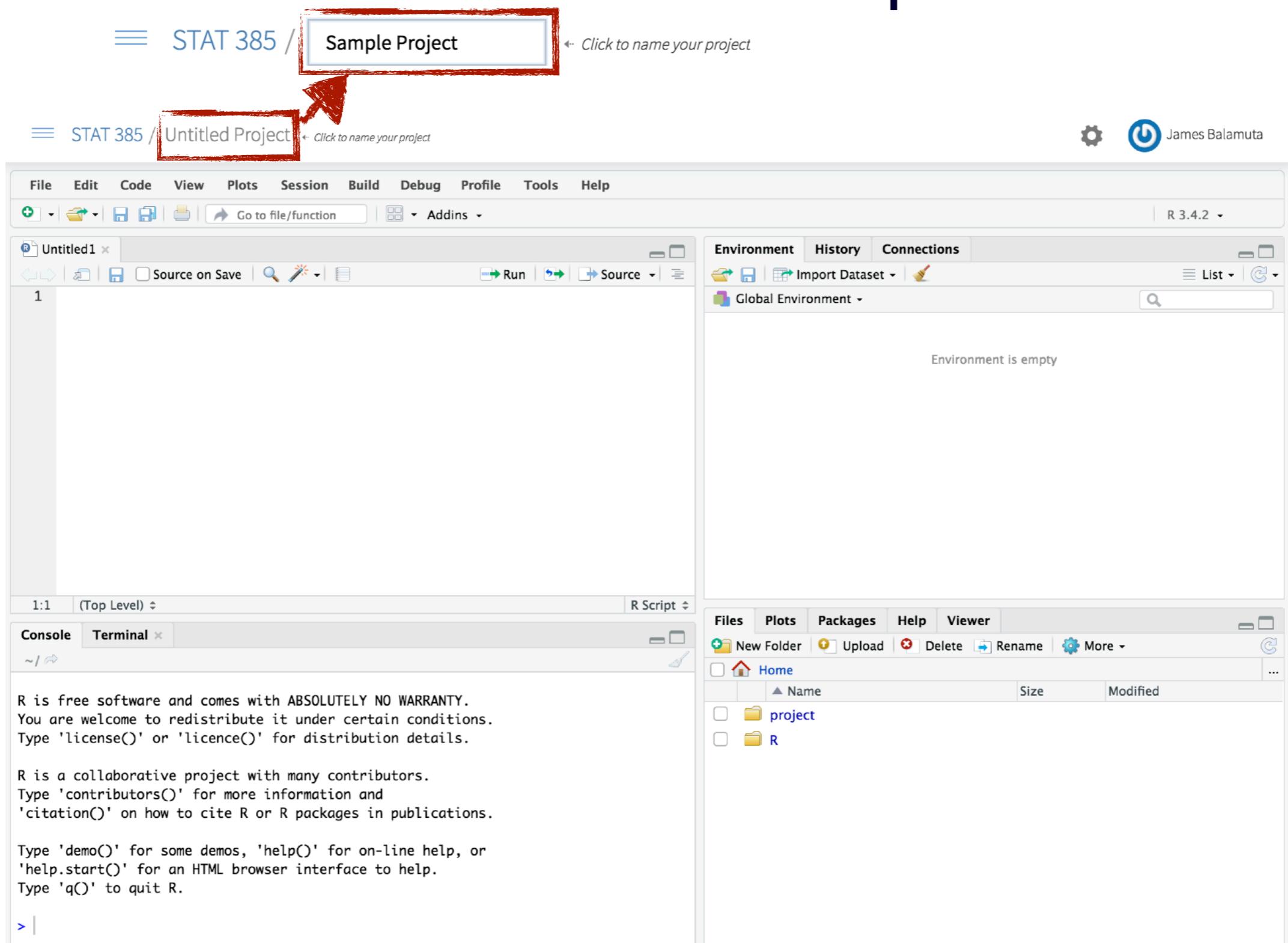
(Personal projects / non-course assignments)

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

Import Dataset Global Environment

Environment is empty

Console Terminal

R Script

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 project R

Name Size Modified



VCS Backed Projects

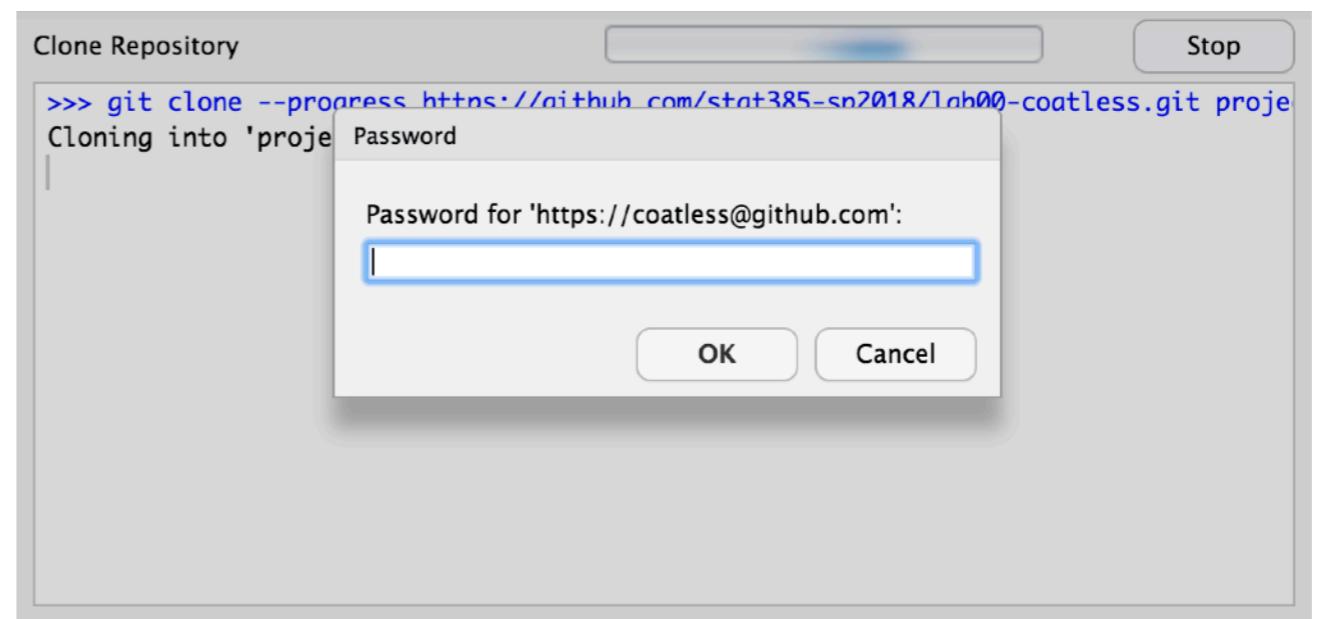
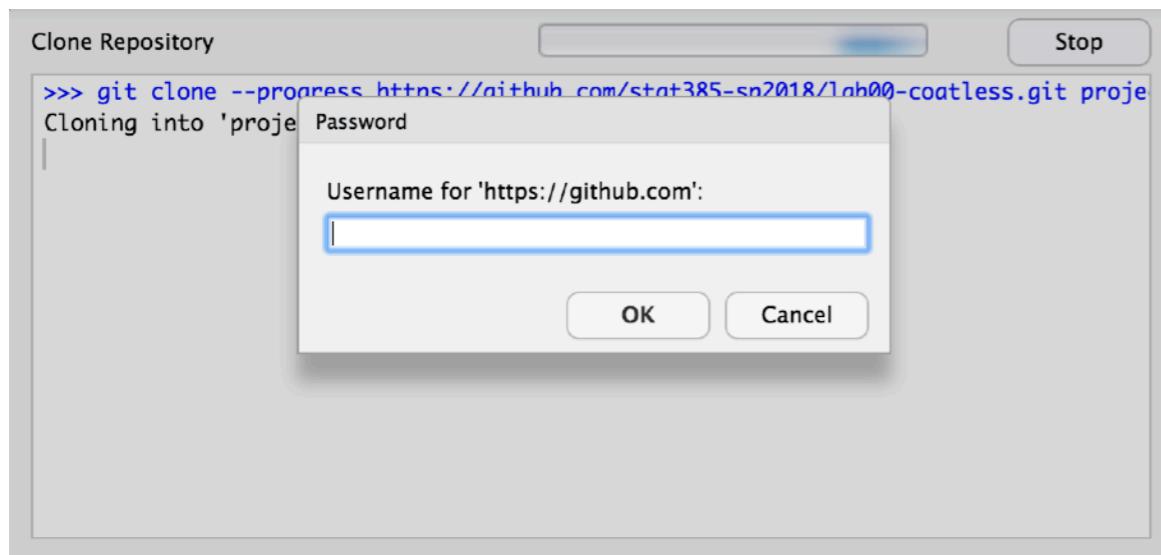
Course Assignments

Making a git Project



Login To GitHub

supply username + password to download assignment



Introduce yourself

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

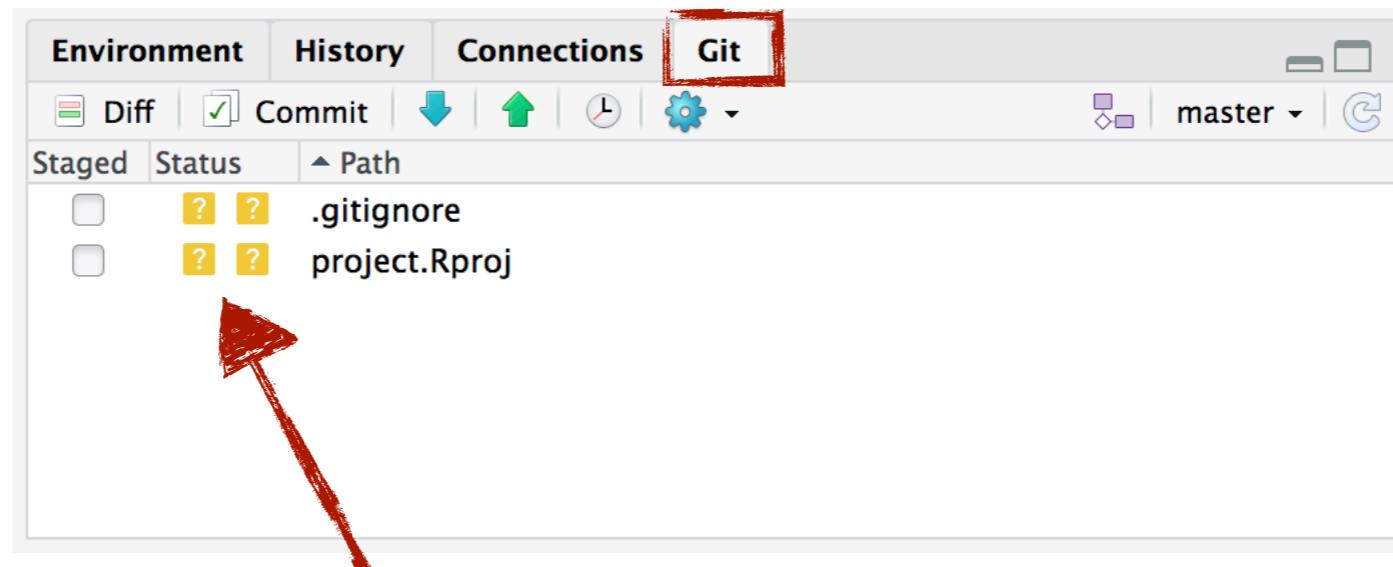


git config --global user.name 'FirstName LastName'
git config --global user.email 'netid@illinois.edu'

A screenshot of the RStudio Cloud terminal window showing the execution of the configuration commands. The terminal title is 'Terminal 1'. The user runs 'git config --global user.name 'James Balamuta'' followed by 'git config --global user.email 'balamut2@illinois.edu''. Both commands are shown in green, indicating they were successfully executed. A green arrow points from the first command to the second, and a red arrow points from the second command to the right edge of the slide.

Git Tab

... accessing git in RStudio ...



Untracked File or Directory



Staging or Adding a New File



Modified File



Deleted File



Renamed File



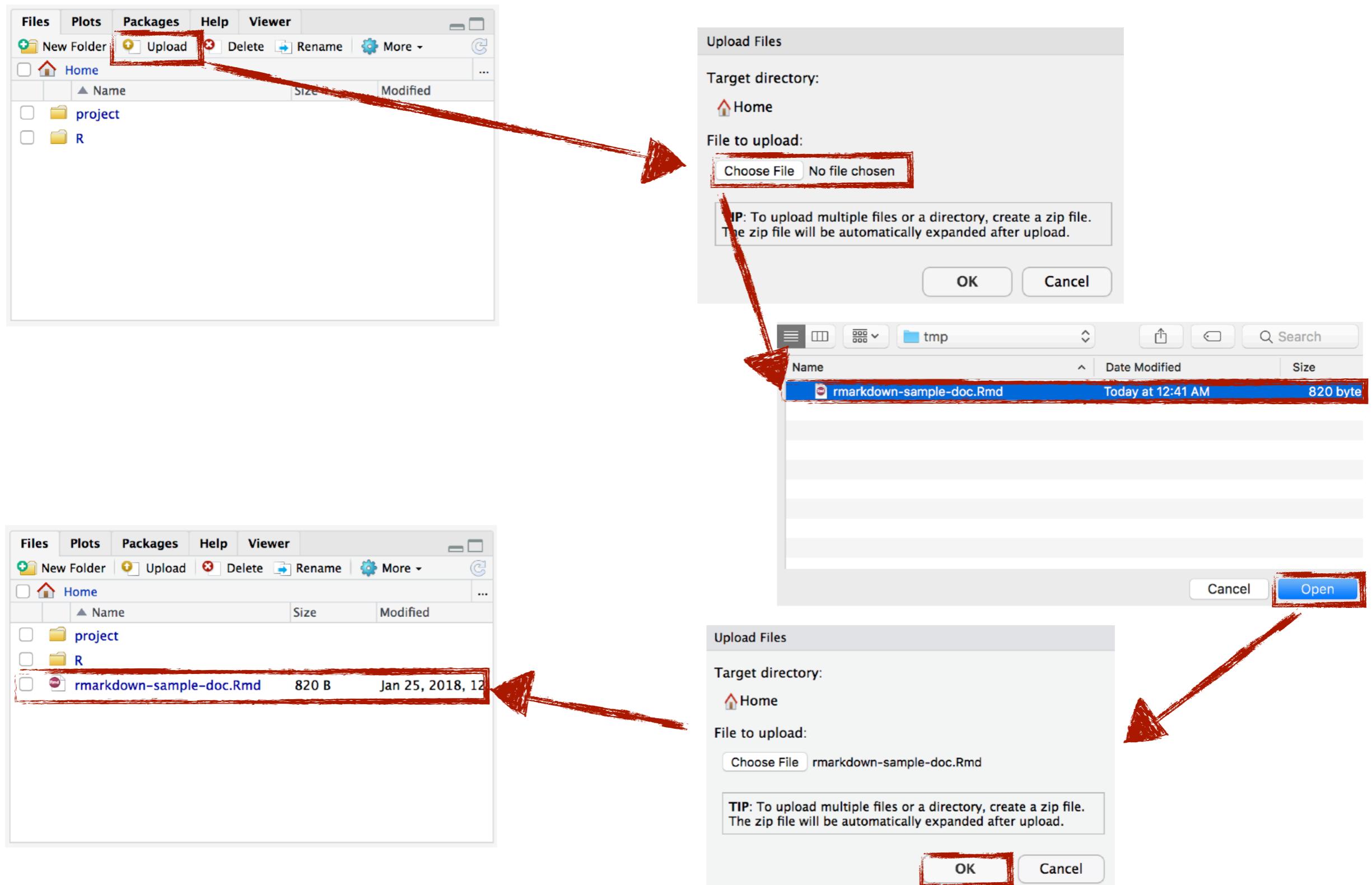
Copy of File



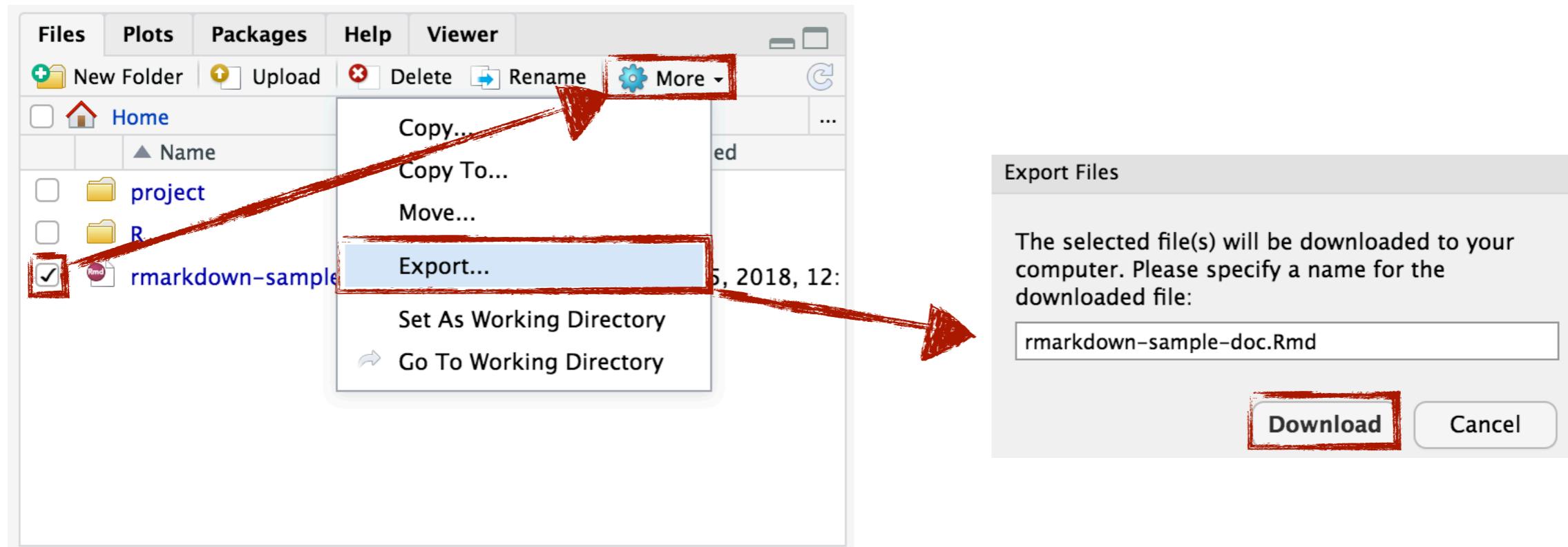
Unmerged File

Upload and Download Files

Upload Files



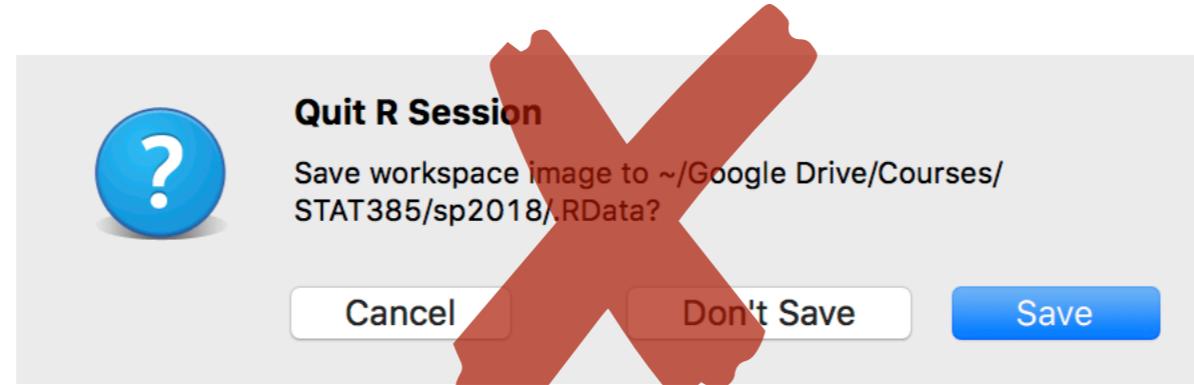
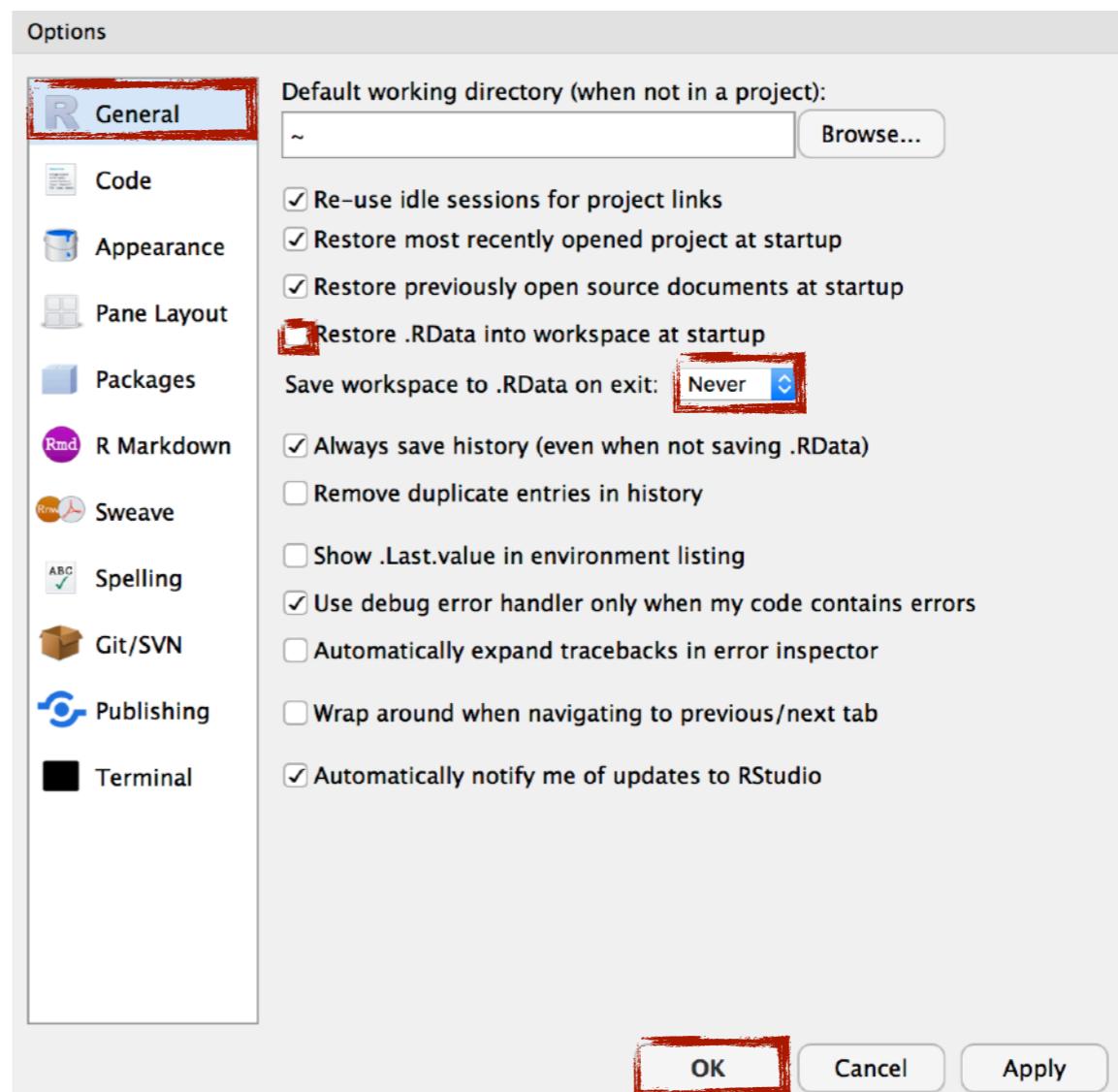
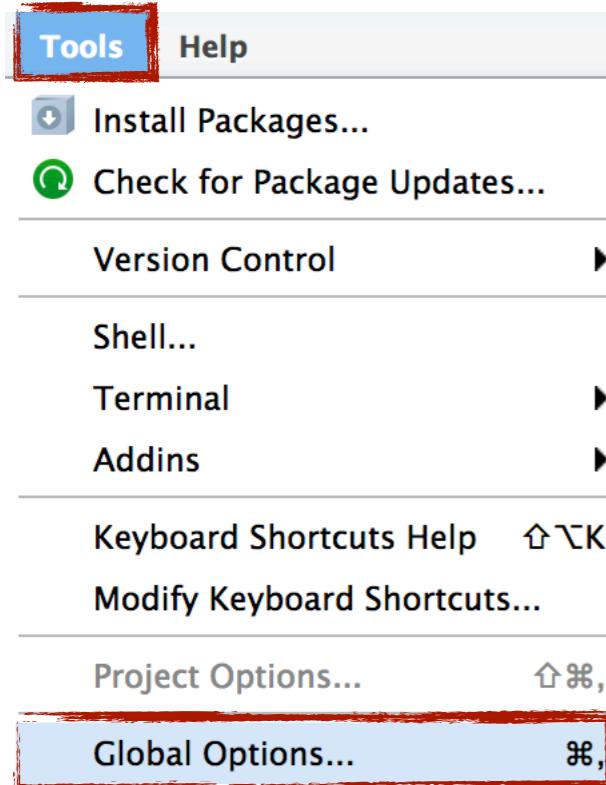
Download Files



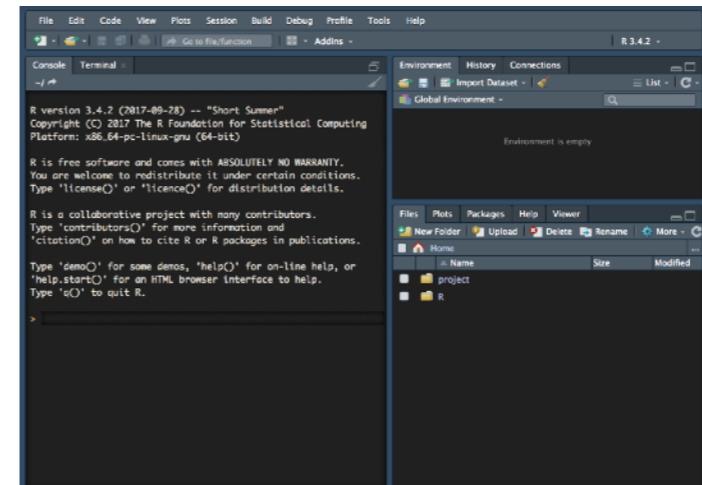
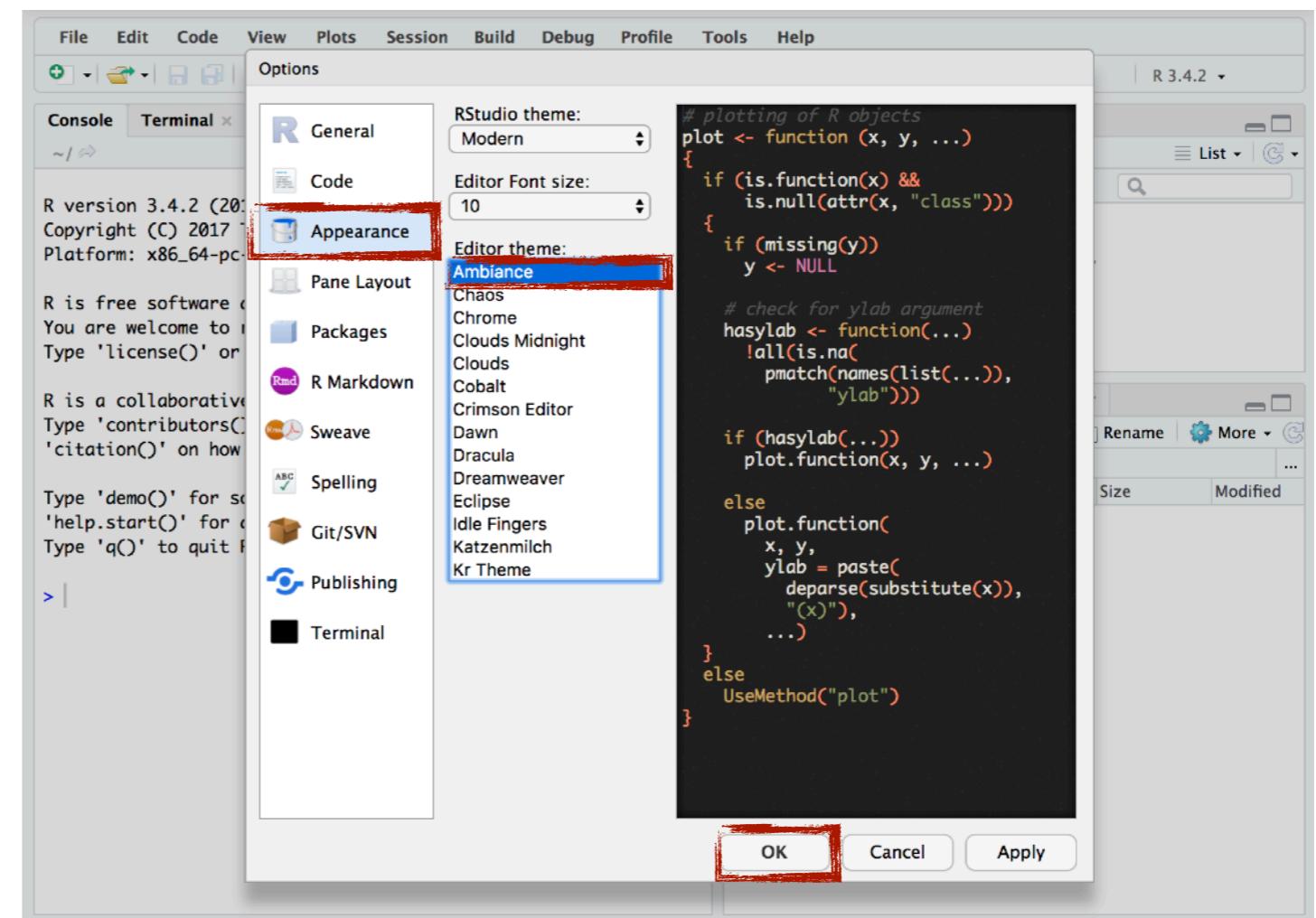
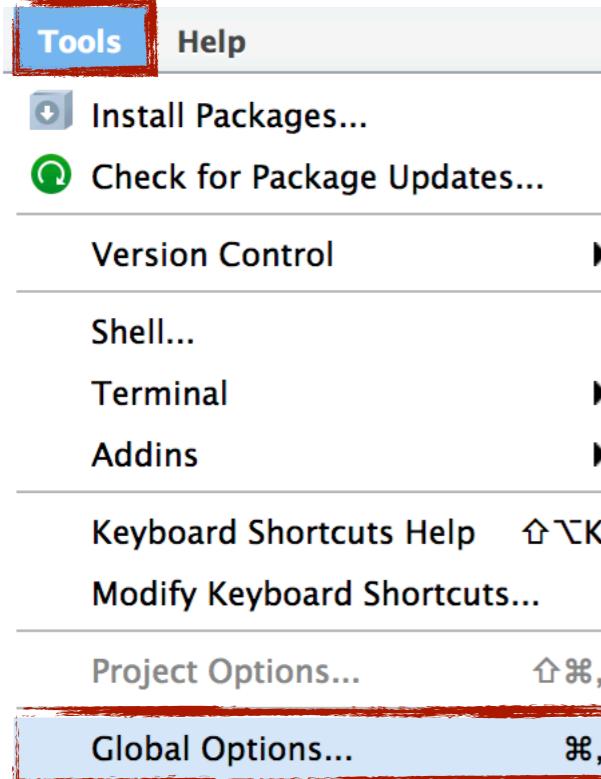
Defaults to downloading the file into the ~/Downloads folder

RStudio Options

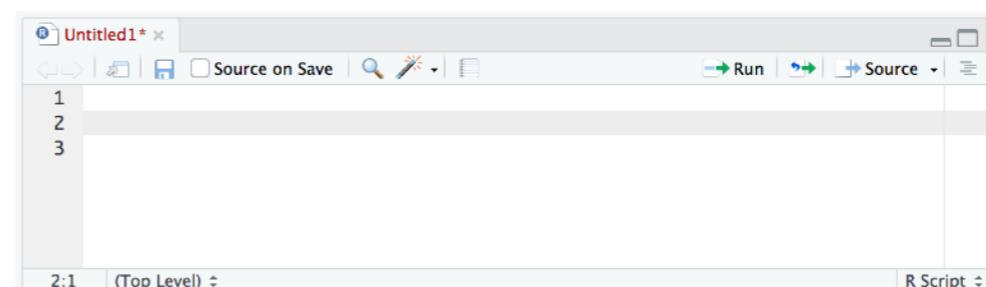
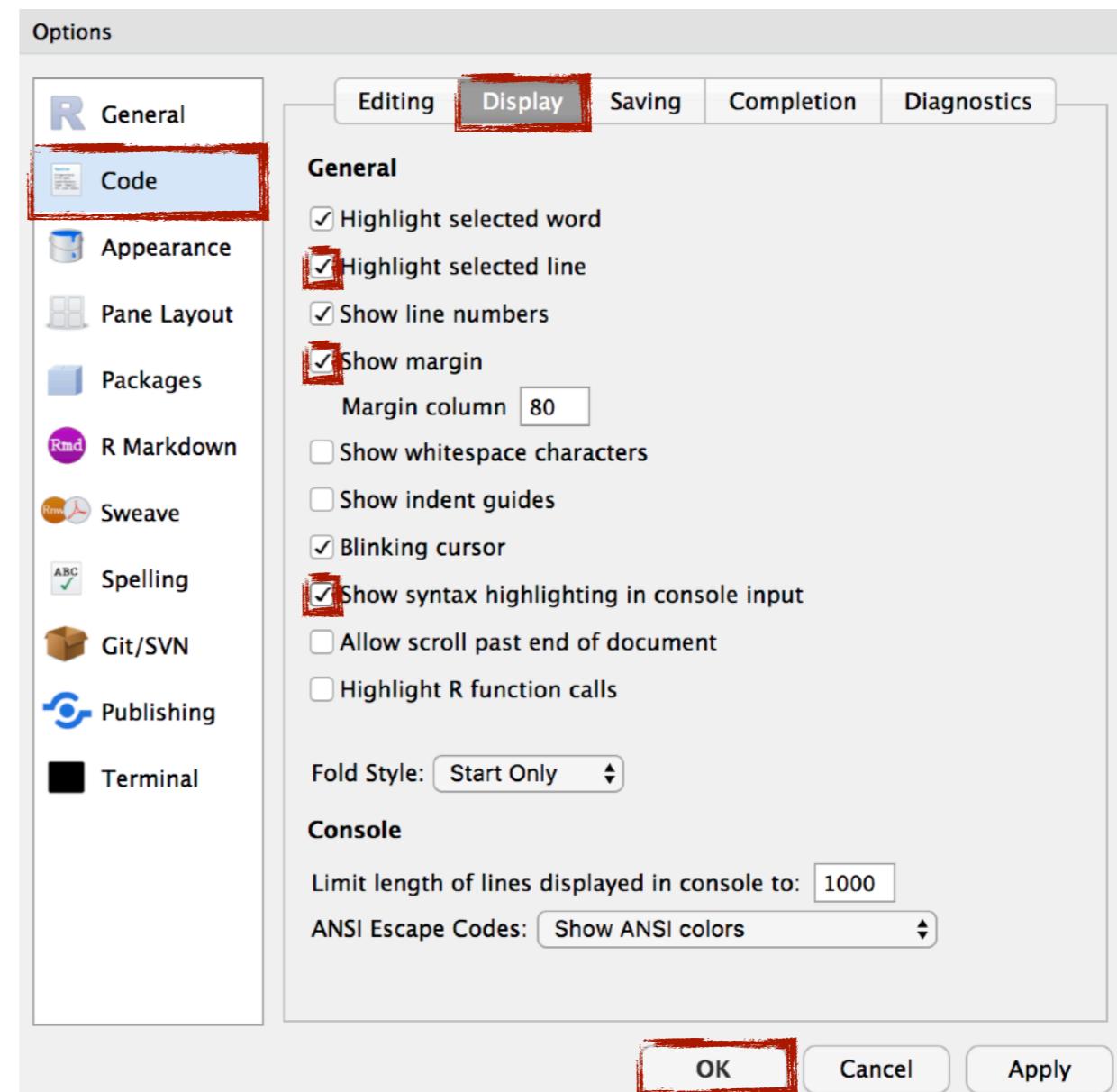
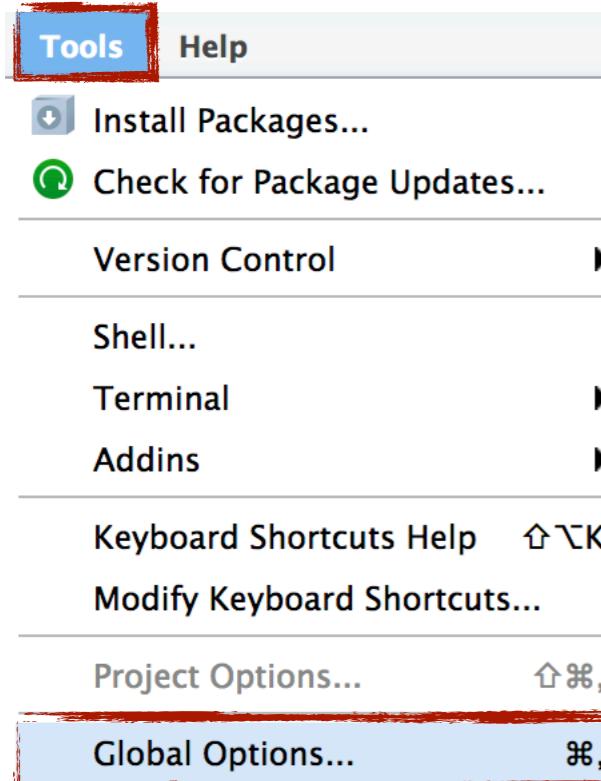
Disable Workspace Save



Change Themes



Code Editor Options



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