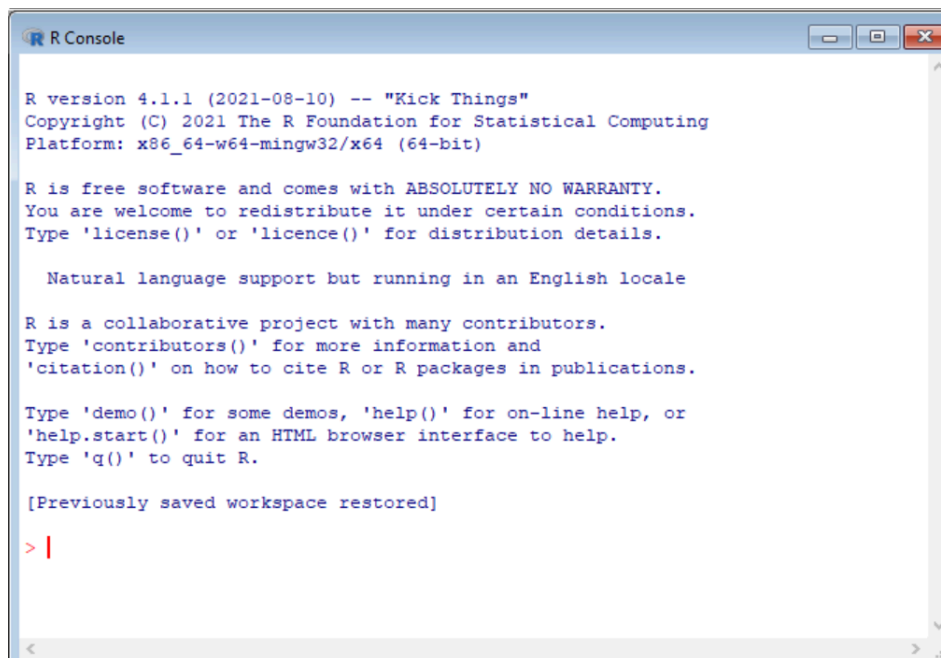


Step 1: Prior to beginning the update of R, you'll need to save a list of your packages in the old version of R. You will need to reinstall these packages in the new version, so plan on this process taking at least one hour.

```
ip <- installed.packages()[,1]
write(ip,"rpackages_oldversion.txt")
```

Step 2: Open R (not RStudio)



Step 3: In the R Console, type in

```
install.packages("installr")
```

then press 'Enter' on your keyboard.

Step 4: In the R Console, type in

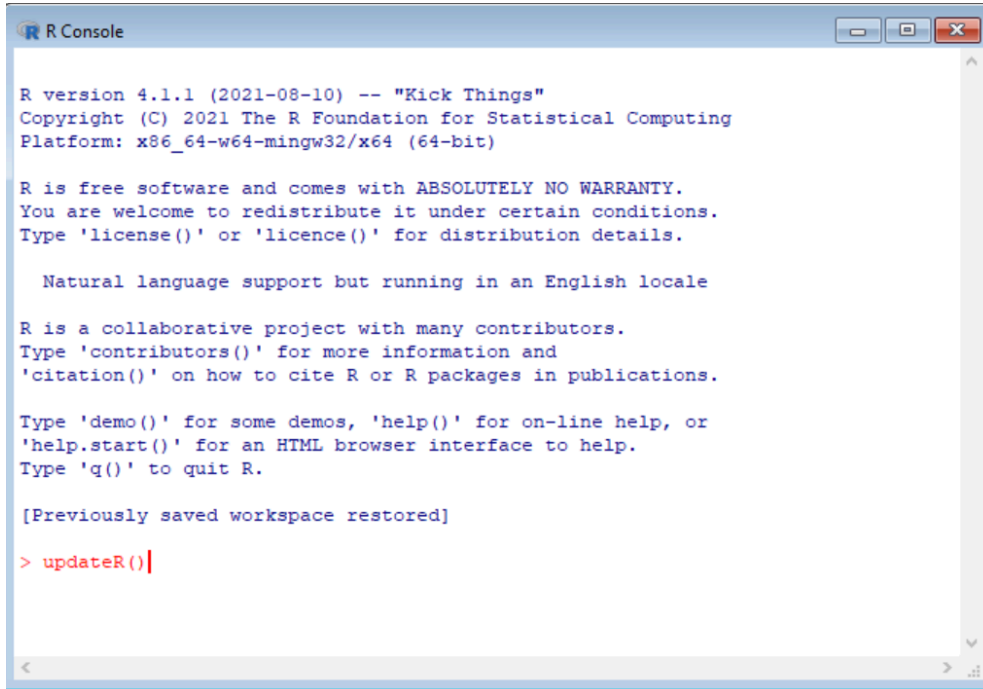
```
require(installr)
```

then press 'Enter' on your keyboard.

Step 5: In the R Console, type in

updateR()

then press 'Enter' on your keyboard.



```
R Console

R version 4.1.1 (2021-08-10) -- "Kick Things"
Copyright (C) 2021 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x64 (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.

Natural language support but running in an English locale

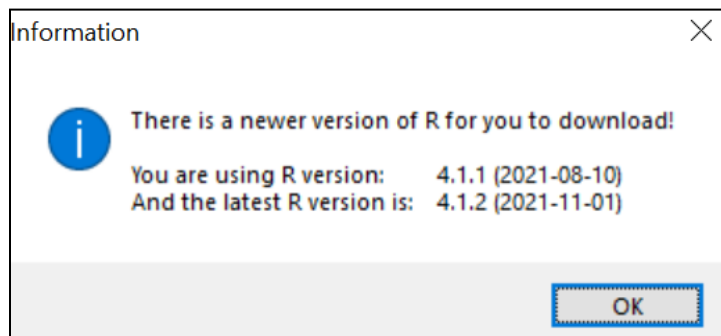
R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

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.

[Previously saved workspace restored]

> updateR()
```

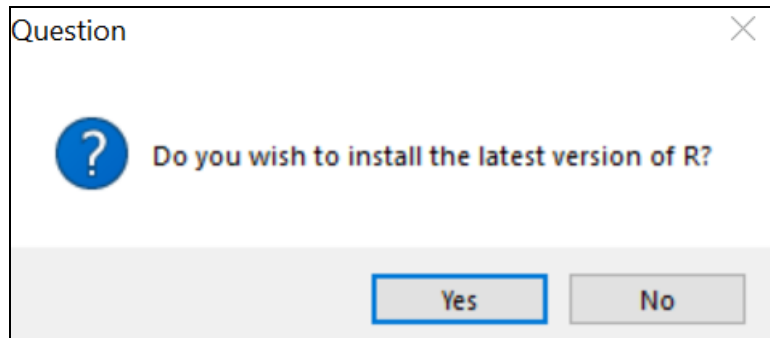
Step 6: If a new version is available, you will get a prompt showing what version of R you currently have installed, and what version is available to install.



Press Ok.

Step 7: You will be prompted to read the news about the release, choose which option you'd like.

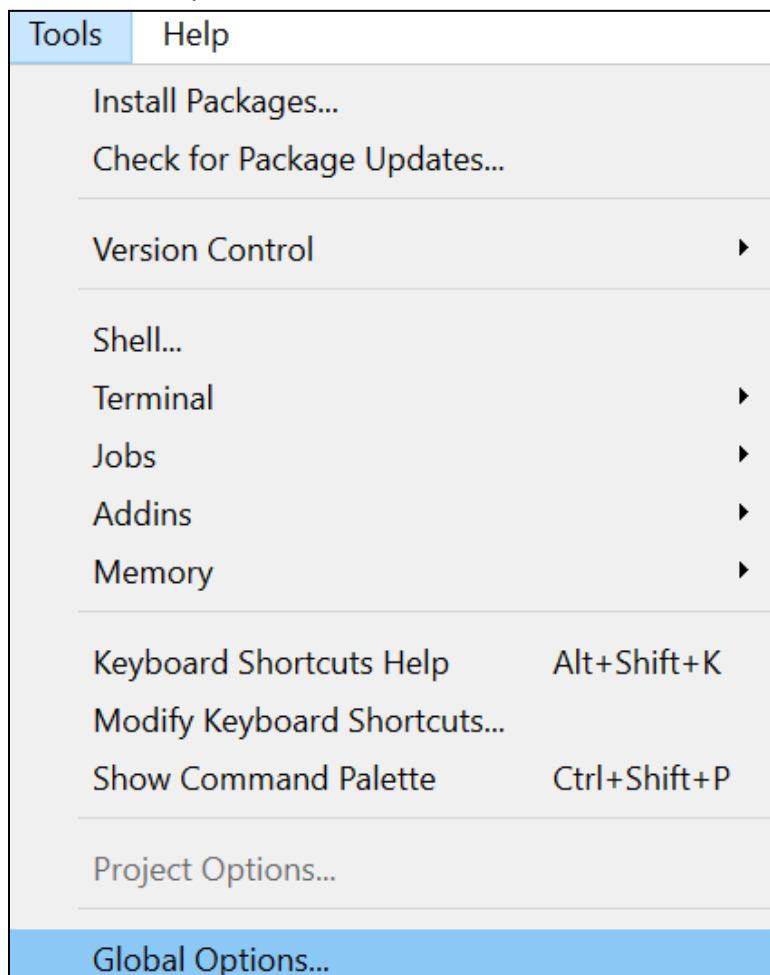
Step 8: You will then be asked if you wish to install the latest version of R. Select Yes.



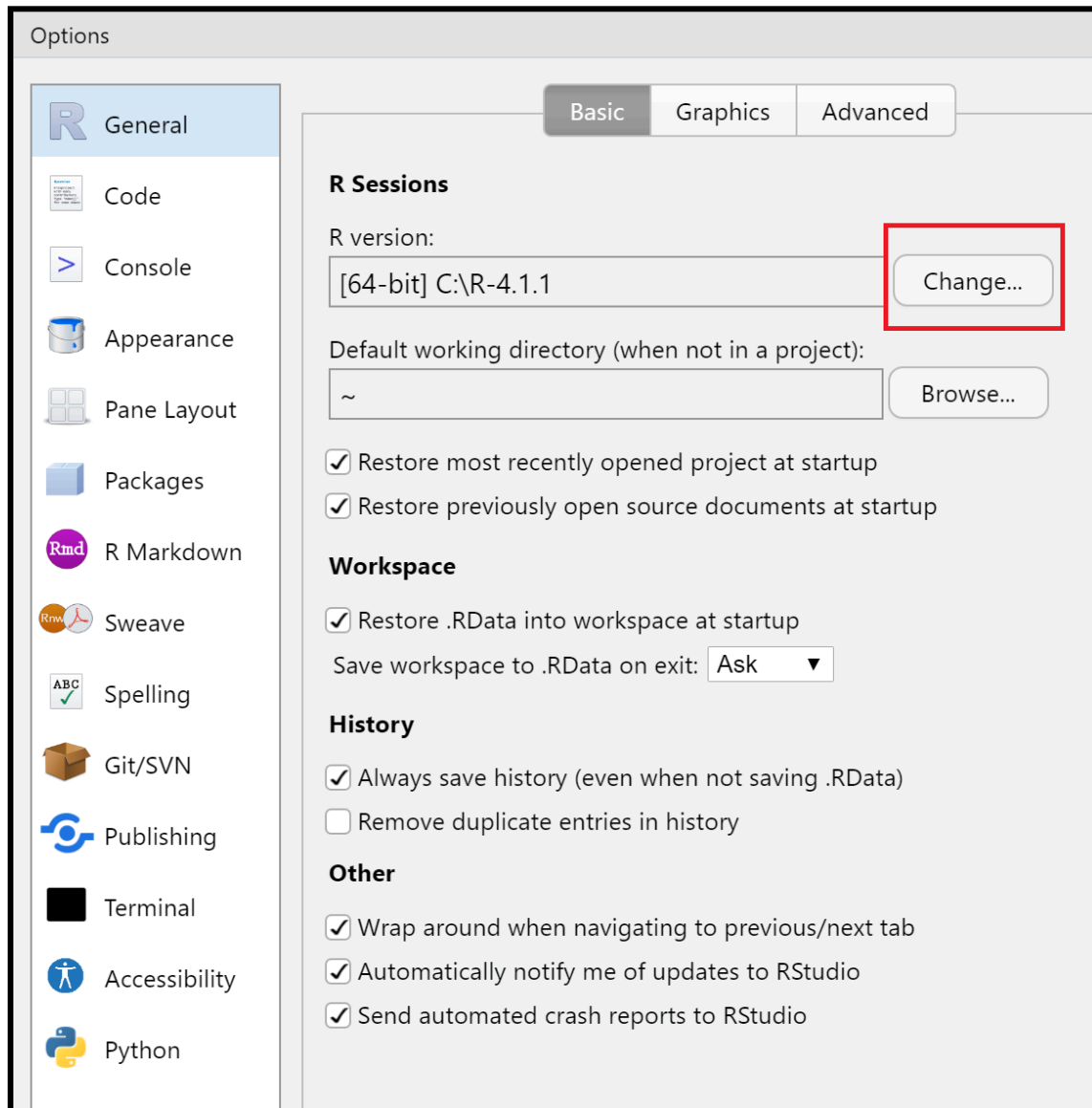
Next you will go through the installation process.

NOTE: If you have a computer and your drive is mirrored, install R on your C:\ drive. This applies to all CU employees!

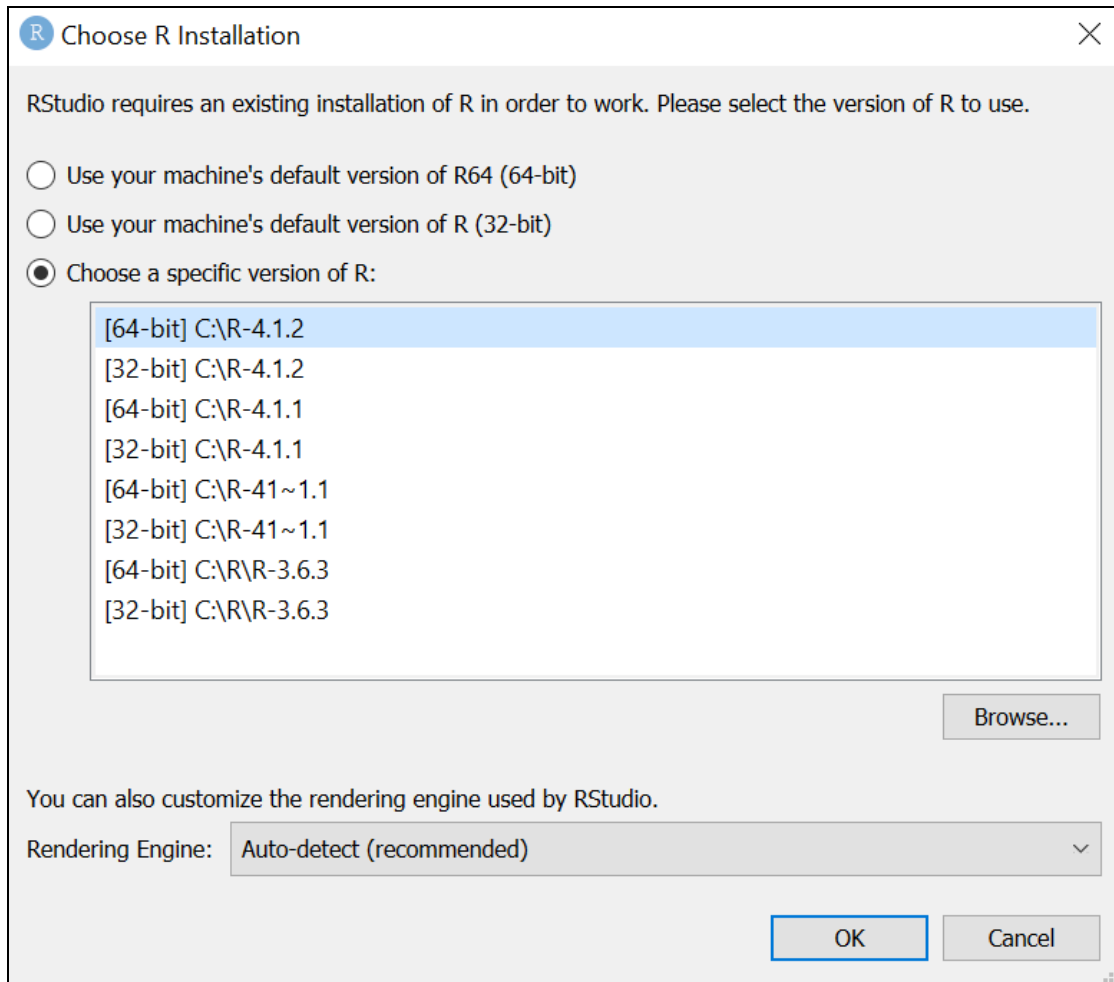
Step 9: Once the installation process is complete, open up RStudio. Navigate to 'Tools', the 'Global Options'.



For R Version, select 'Change'.



Step 10: Select the newly installed version of R and press 'OK'.



Apply the changes. Close R Studio, then open again. Go to Tools, Global Options, and verify that R Studio is pointing to the new version of R.

Step 11: The next step is to reinstall the packages from CRAN. In RStudio, run the following code:

```
pkgs <- readLines("rpackages_oldversion.txt")
setRepositories(graphics=FALSE, ind=1:6)
install.packages(pkgs)
```

Step 12: The final step is to reinstall the packages from github

```
require(devtools)
install_github("burrm/lolcat")
install_github("burrm/lolcatext")
install_github("dreamRs/datamods")
```

```
install_github("dreamRs/shinyWidgets")  
install_github("rstudio/DT")  
install_github("tidyverse/dplyr")  
install_github("ProfessorPeregrine/propagate")  
install_github("tidyverse/ggplot2")
```