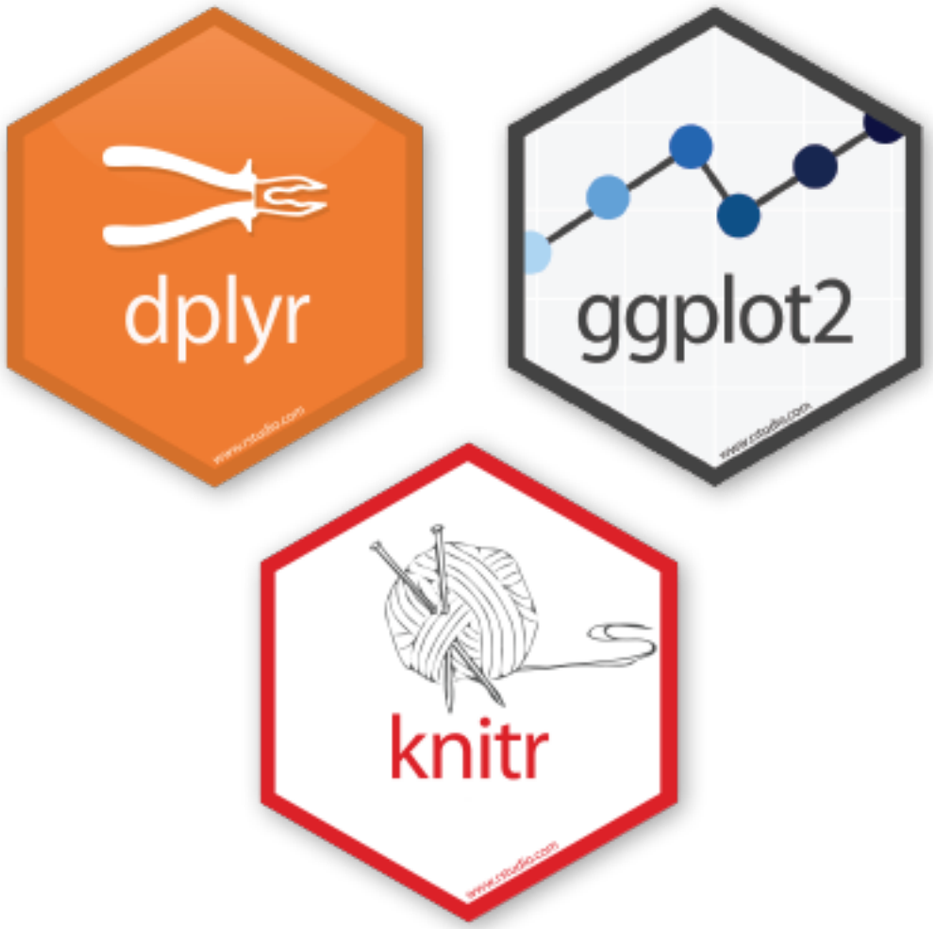
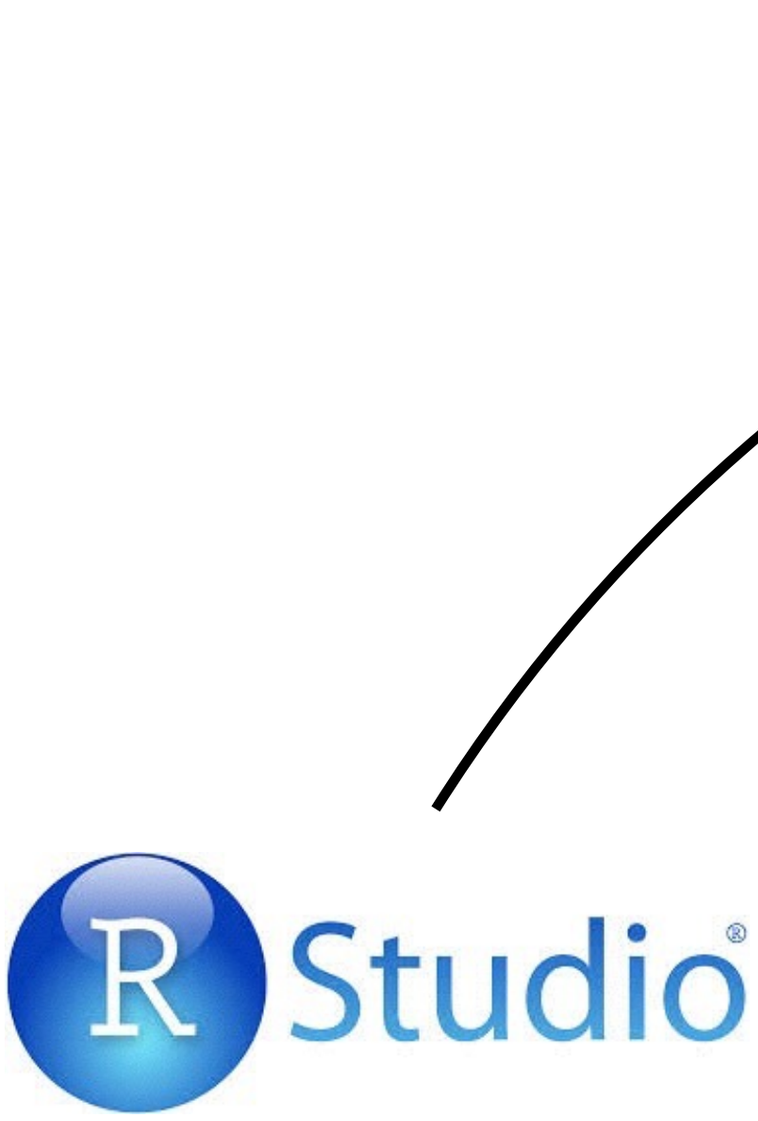
Lesson 0:
Introduction and Set-up

Why am I taking this course?





you on
your computer

the internet

What will we be doing today?

A LOT of initial set-up

Install packages (`dplyr` and `ggplot2`)

What will we be doing (most) other days?

Learn a new statistical test

Practice plotting as is appropriate for the test

Make an R Markdown document to summarize the lesson

Initial Set-up

Configuring Git

Windows: *Go the executable "git-bash" in your git folder*

Configuring Git

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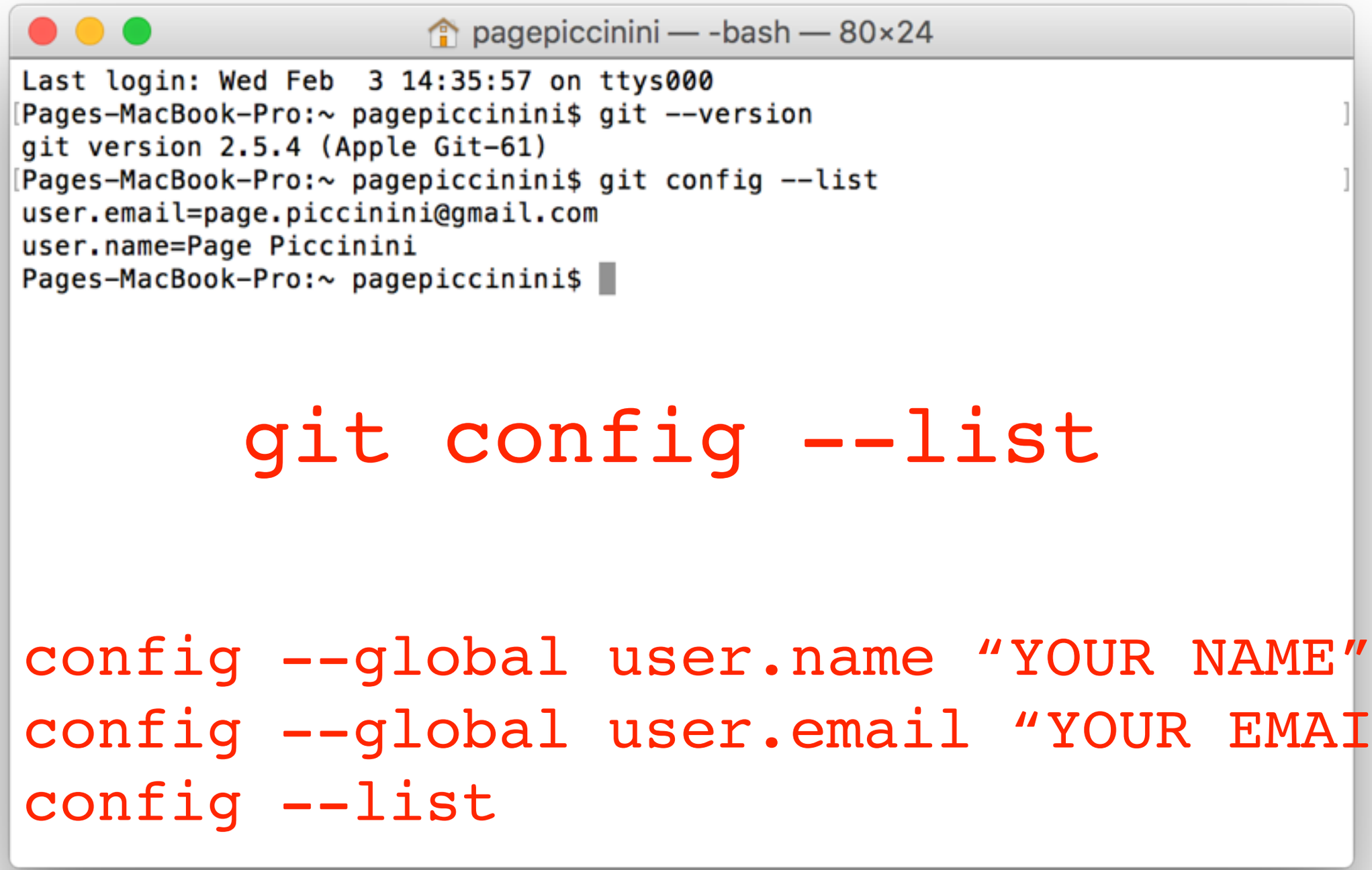
Configuring Git




```
git config --global user.name “YOUR NAME”
git config --global user.email “YOUR EMAIL”
git config --list
```

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Configuring Git

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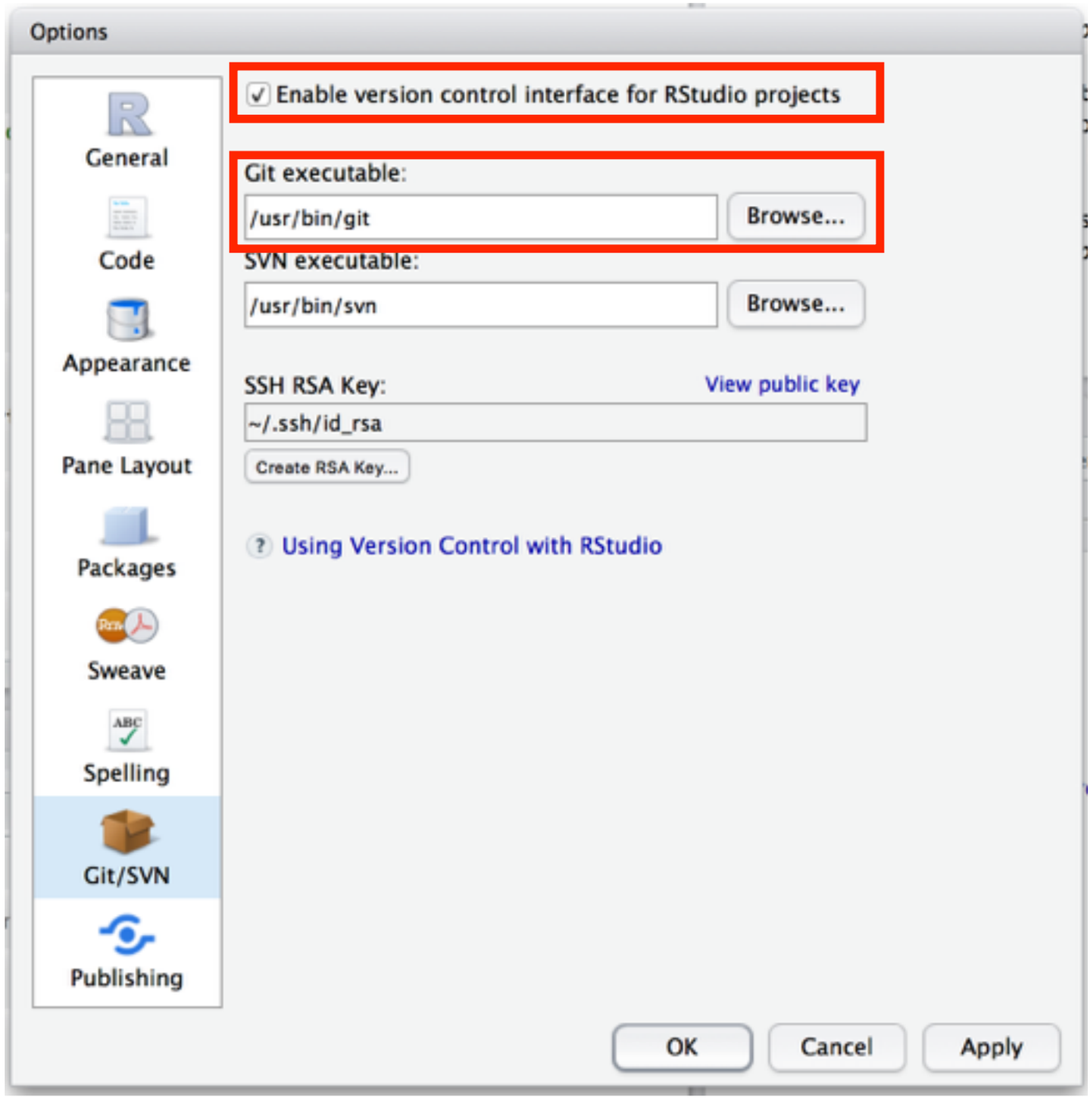
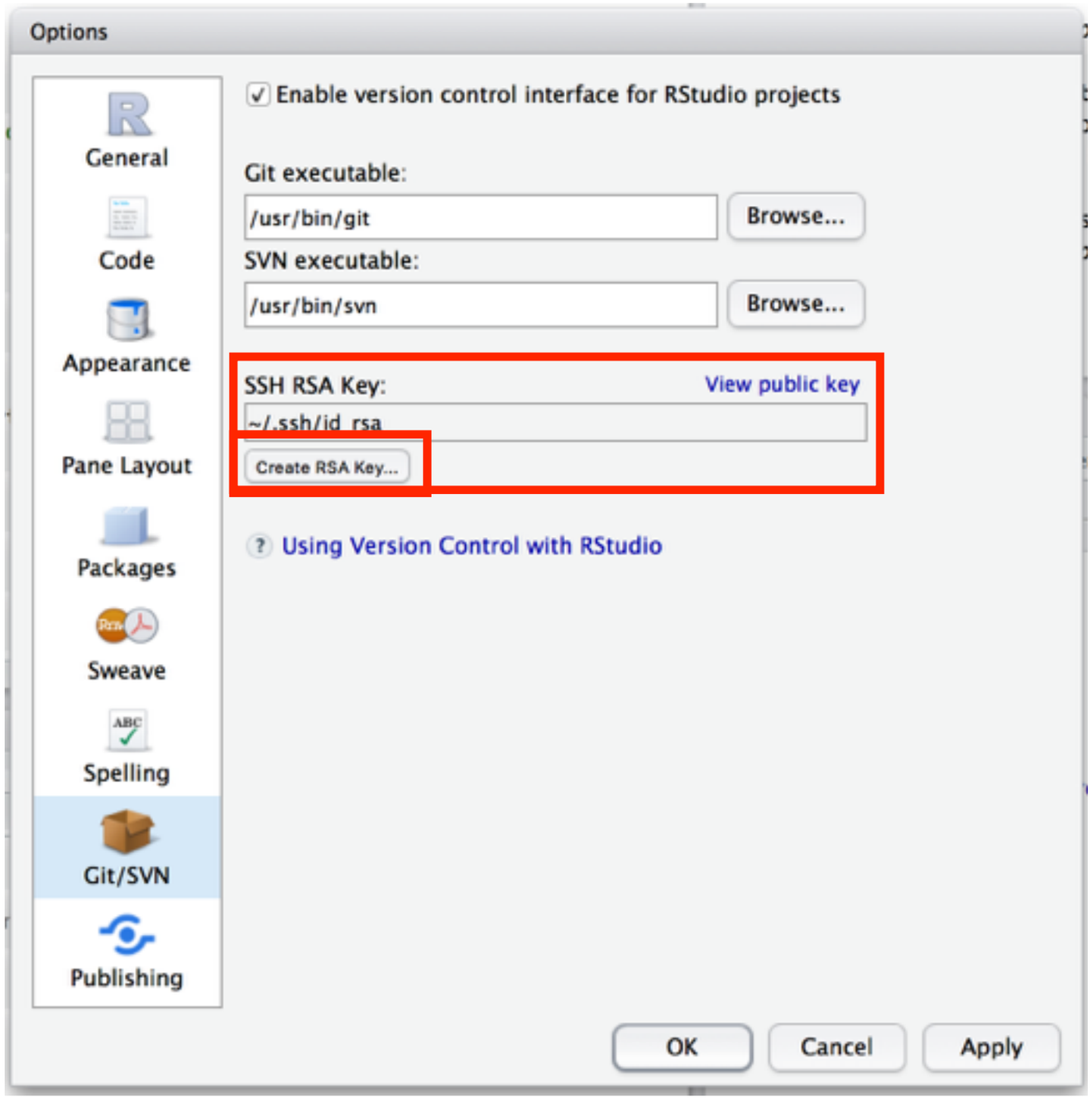
Linking Git to RStudio



Mac: *RStudio —> Preferences —> Git/SVN*

Windows: *Tools —> Global Options… —> Git/SVN*

Getting an SSH RSA Key in RStudio



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Getting an SSH RSA Key in RStudio

```
$ ssh-keygen -t rsa -b 4096 -C "your_email@example.com"
# Creates a new ssh key, using the provided email as a label
Generating public/private rsa key pair.
```

```
Enter a file in which to save the key (/Users/you/.ssh/id_rsa): [Press enter]
```

```
Enter passphrase (empty for no passphrase): [Type a passphrase]
Enter same passphrase again: [Type passphrase again]
```

https://help.github.com/articles/generating-a-new-ssh-key/

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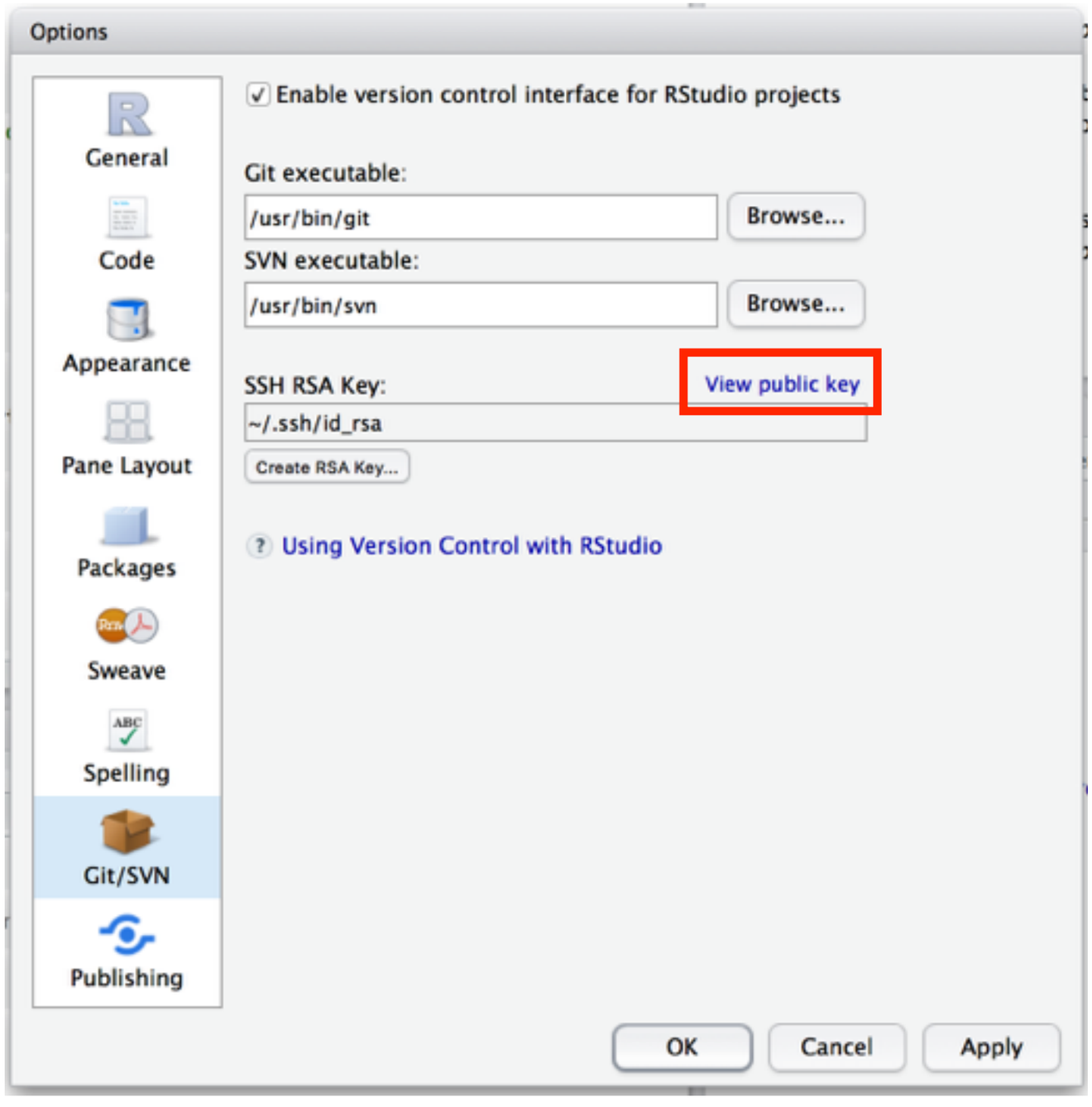
Getting an SSH RSA Key in RStudio



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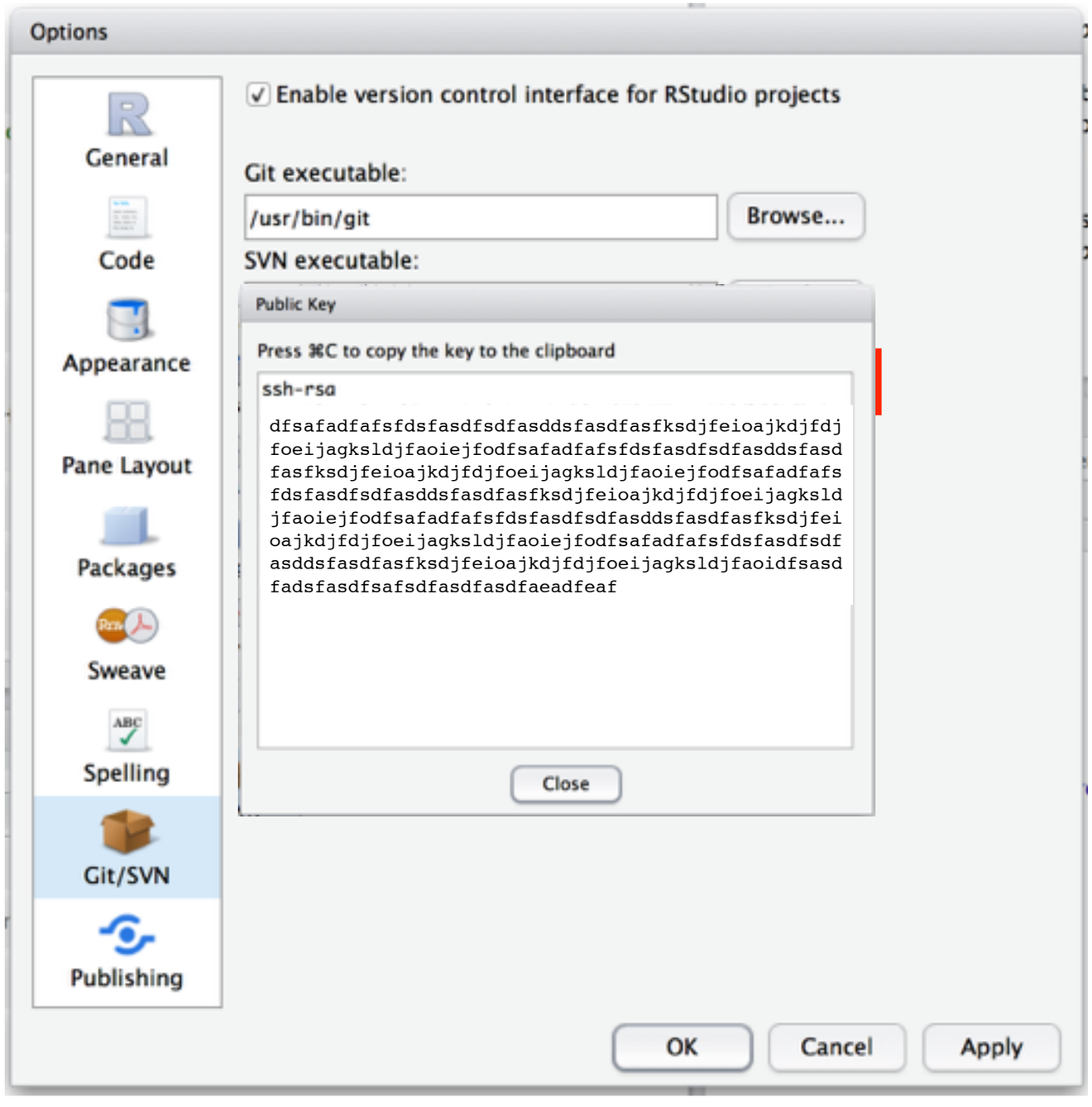


Mac: *RStudio —> Preferences —> Git/SVN*

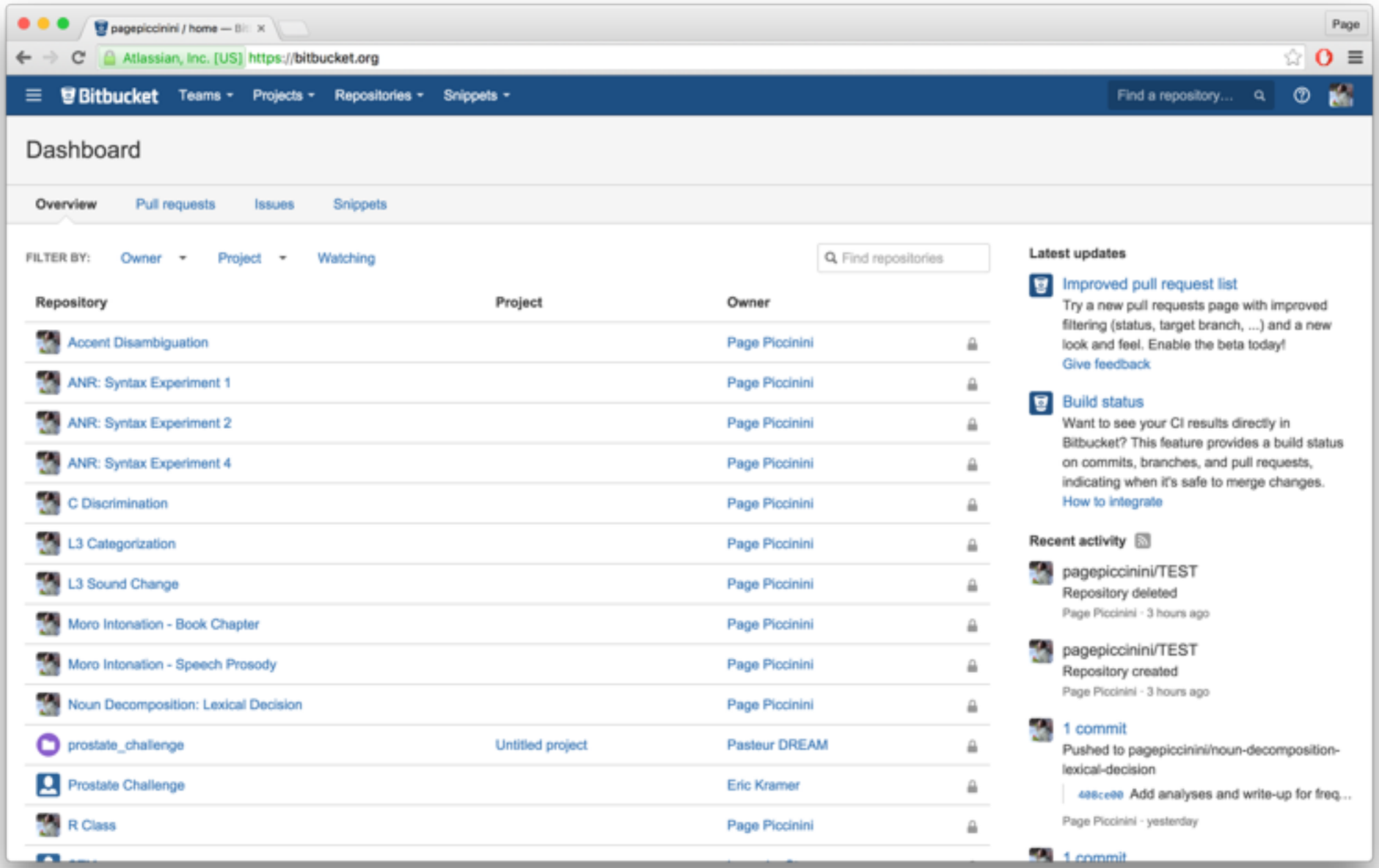
Windows: *Tools —> Global Options… —> Git/SVN*

Bitbucket

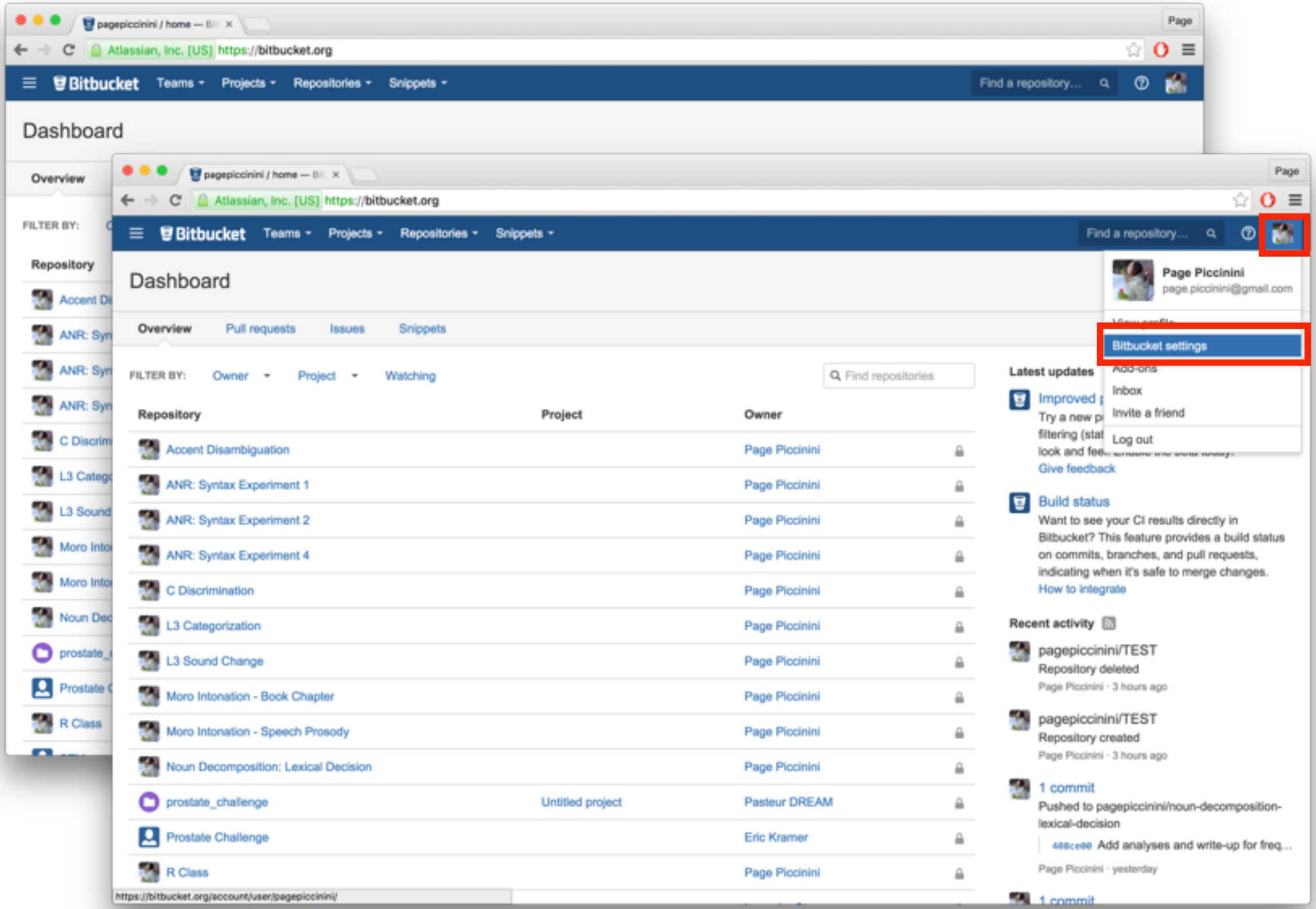
vs.

GitHub

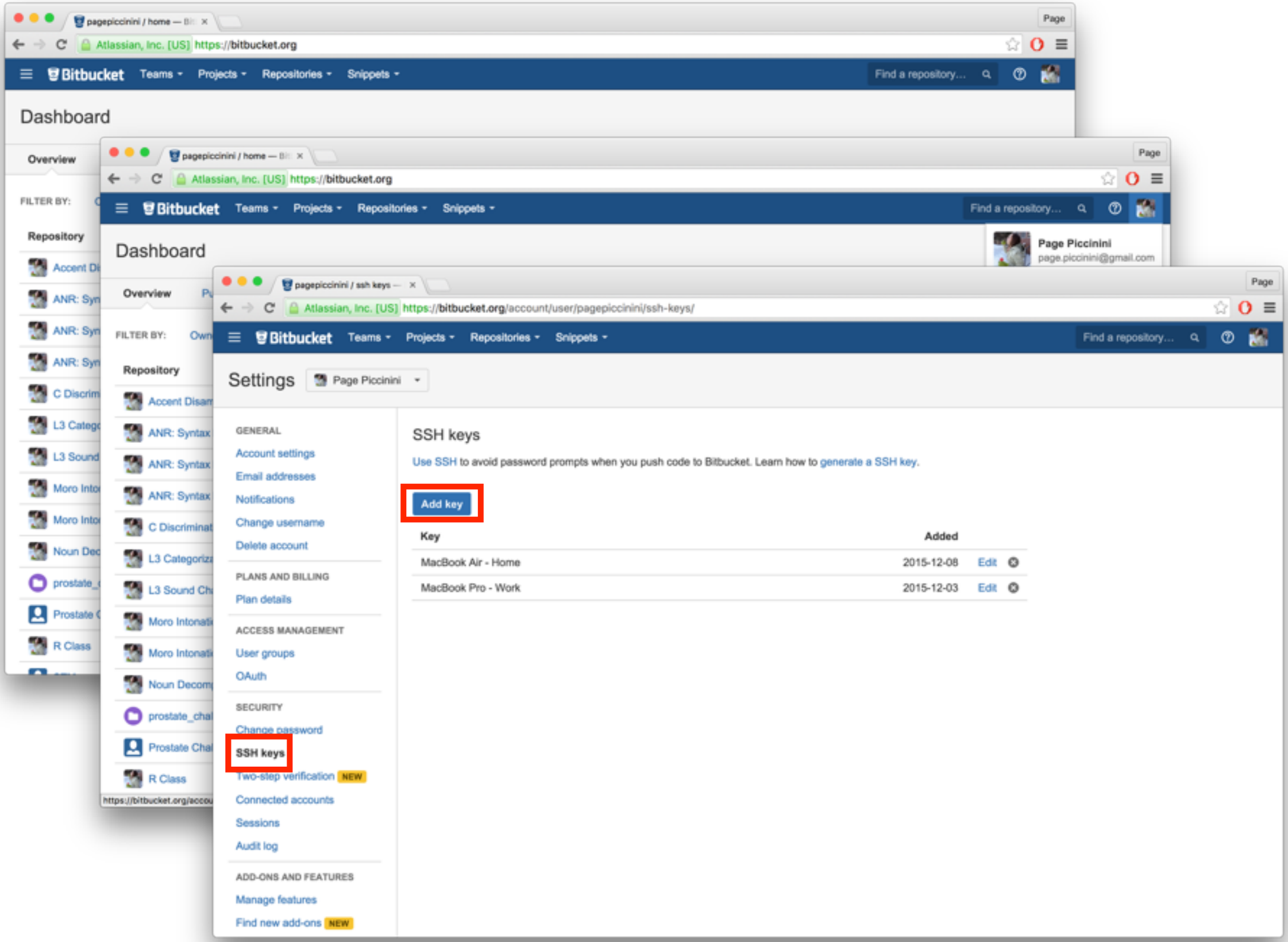
Getting Your SSH RSA Key on Bitbucket



Getting Your SSH RSA Key on Bitbucket



Getting Your SSH RSA Key on Bitbucket



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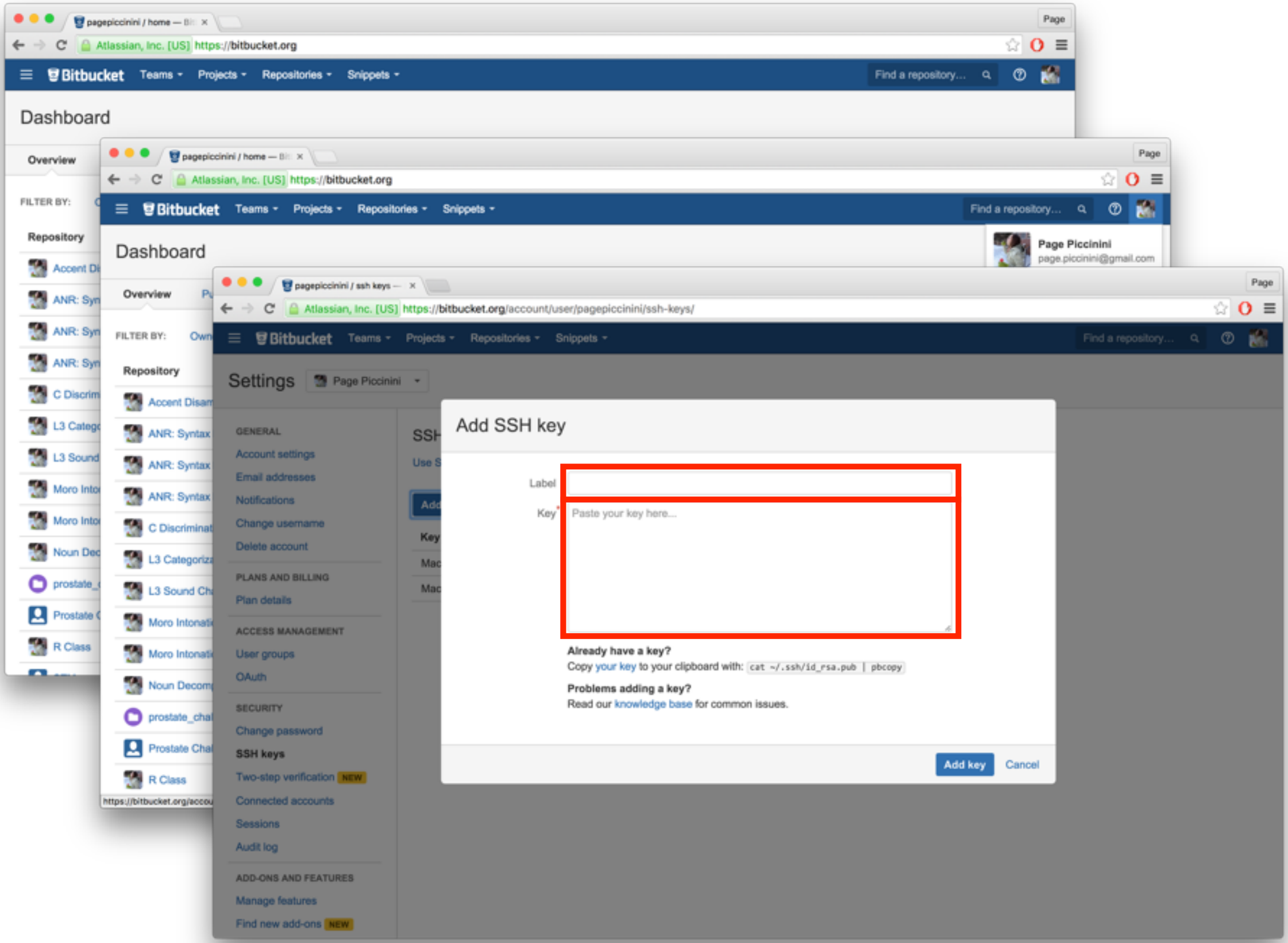
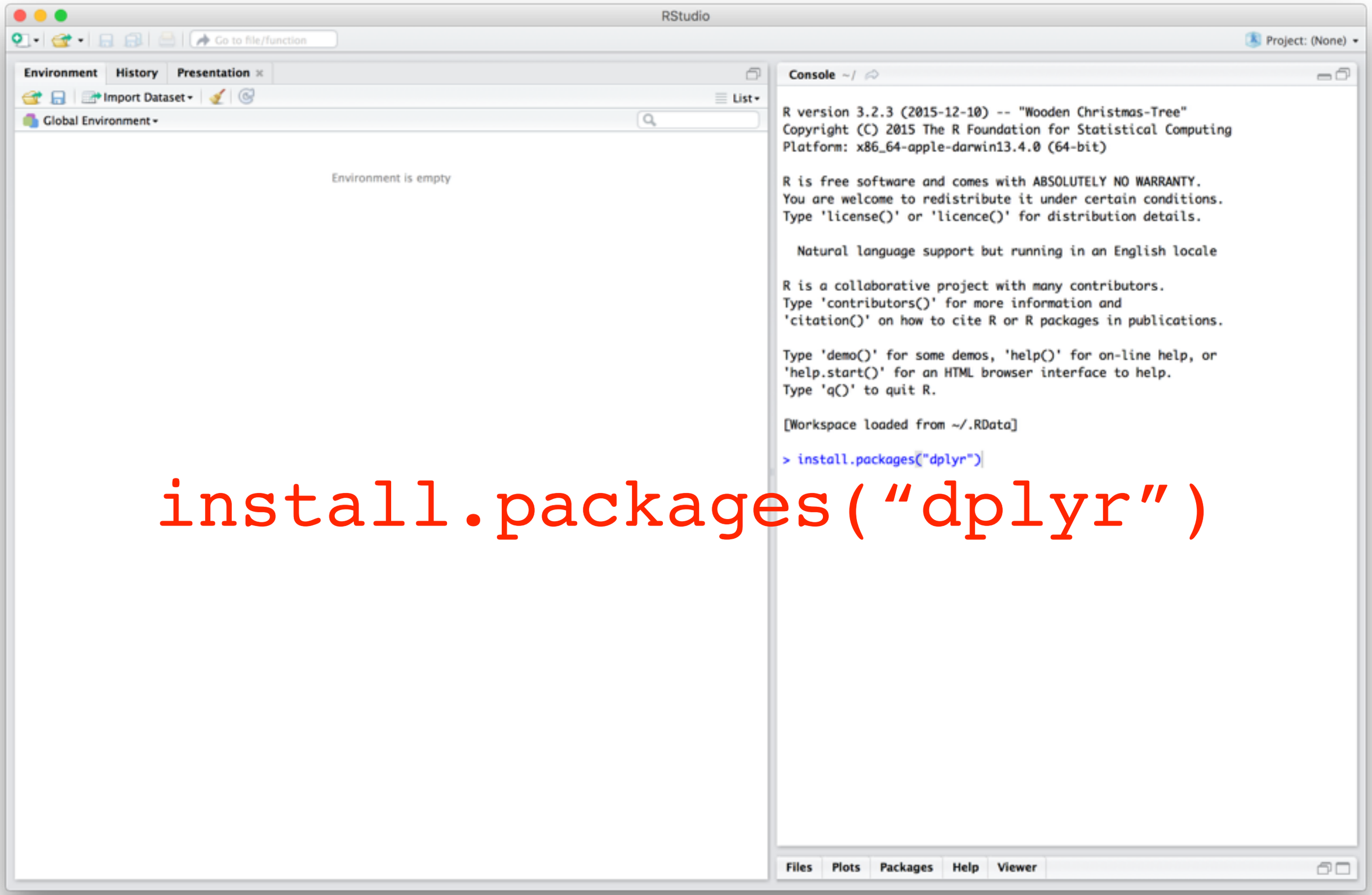
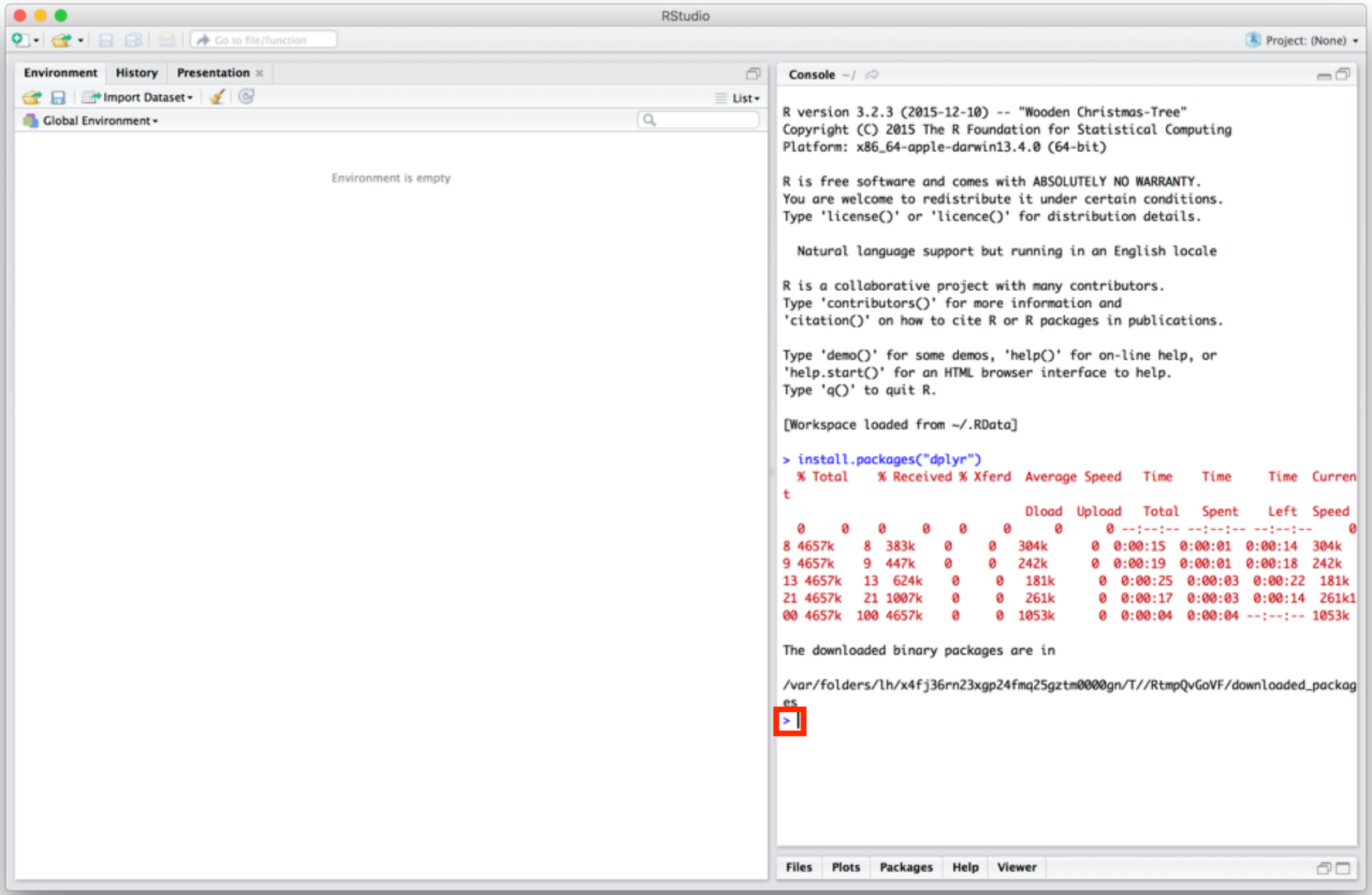


Installing Packages in RStudio



install.packages(“dplyr”)

Installing Packages in RStudio



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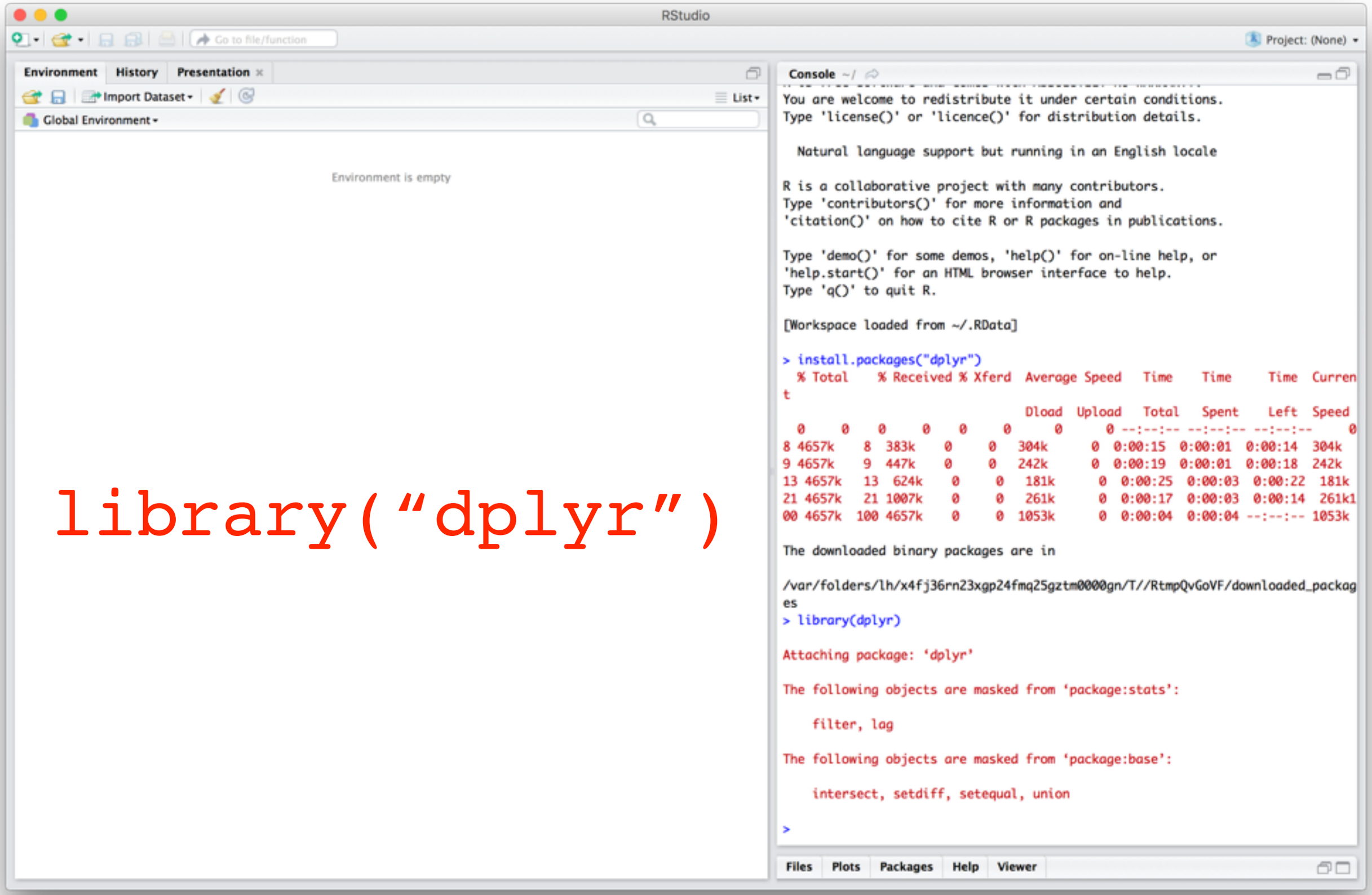
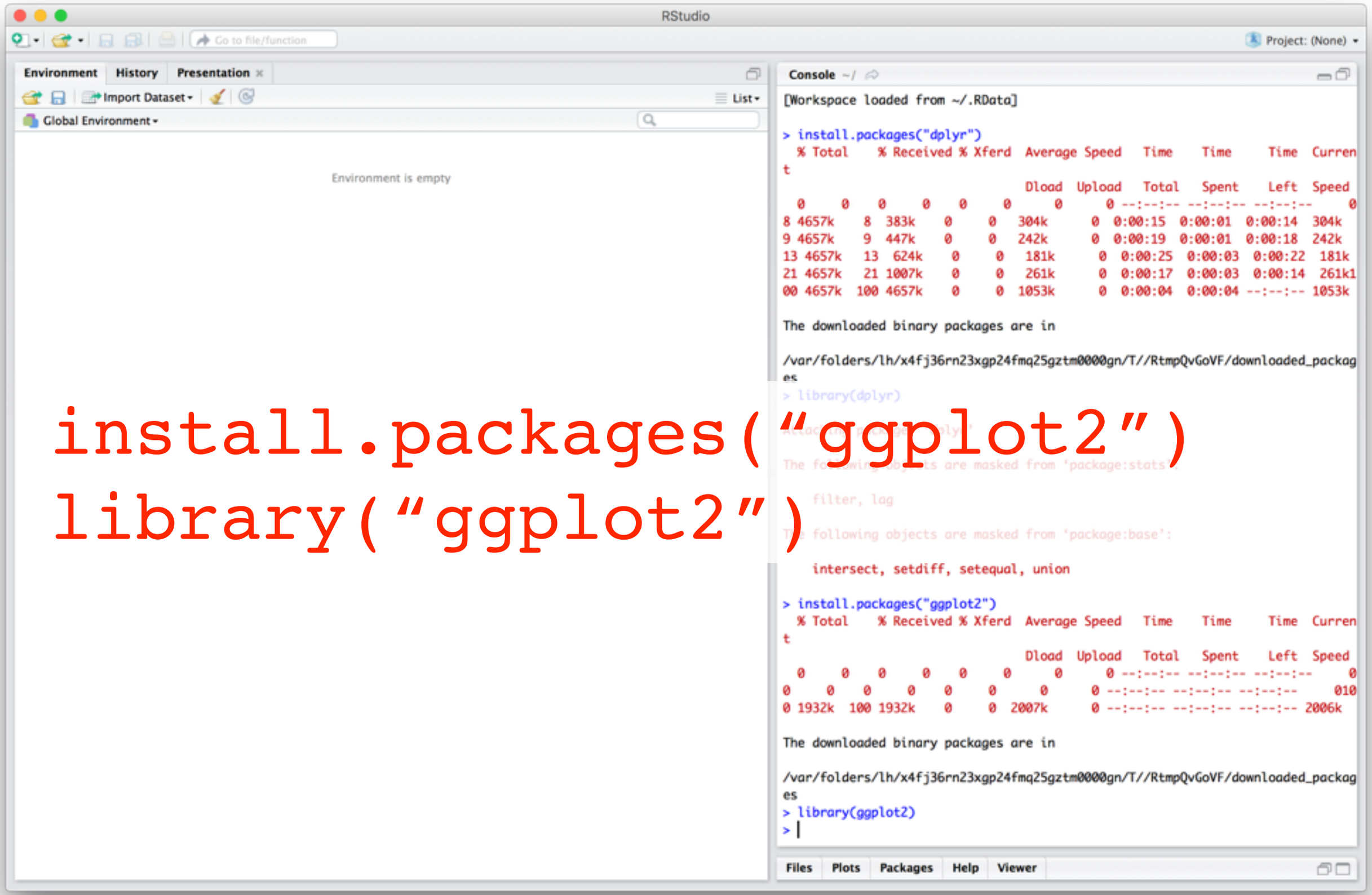


library("dplyr")

Installing Packages in RStudio




```
install.packages("ggplot2")
library("ggplot2")
```

Conclusion and Next Steps

What did we do today?

A LOT of initial set-up

Installed packages (`dplyr` and `ggplot2`)

What will we be doing next time?

Practice reading in and manipulating data

Practice making figures

Committing to Git

Make an R Markdown document to summarize the lesson