

**[ LAS ]** DE  
**SISTEMAS**



**R-Ladies**



# Hola!

Soy  
Cintia





## Que vamos a ver hoy?

1. Configurar RStudio ♥ git

2. Crear un repositorio

3. Comentar y subir cambios

4. Clonar desde GitHub

Configurar RStudio ♥ GitHub



A top-down view of a wooden desk. In the center is a spiral-bound notebook with two blank white pages. A silver pen lies on the bottom page. To the left of the notebook is a white water bottle. Above the notebook is a small bowl containing fruit. To the right is a paint palette with several colors. A purple semi-transparent banner is overlaid across the middle of the notebook.

Configuramos RStudio para conectarlo con git







Creamos nuestro proyecto usando git

New File

New Project... 1

Open File...

Reopen with Encoding...

Recent Files

Open Project...

Open Project in New Session

Recent Projects

Import Dataset

New Project

Create Project



New Directory

Start a project in a brand new working directory



Existing Directory 2

Associate a project with an existing working directory



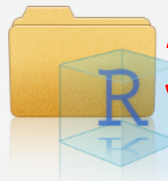
Version Control

Checkout a project

New Project

Back

Create Project from Existing Directory



Project working directory:

C:/Users/cintialeon/boxplot 3

Browse...


☐ Open in new session

4 Create Project









Cancel

Del Proyecto que crearon hace un rato.

# Proyecto Creado

 C:/Users/cintialeon/boxplot - RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

      Go to file/function  Addins  boxplot

**Console** Terminal **Mirar !**



C:/Users/cintialeon/boxplot/


R version 3.4.4 (2018-03-15) -- "Someone to Lean On"  
Copyright (C) 2018 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.




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.

**Environment** History Connections Git




Import Dataset  List 

Global Environment 

**Files** Plots Packages Help Viewer

New Folder  Delete  Rename  More

C: > Users > cintialeon > boxplot

	Name	Size
	..	
	.gitignore	44 B
	boxplot.Rproj	217 B

8



# Proyecto Creado 👍

**Mirar !**

The screenshot shows the RStudio IDE interface. The top pane displays a script file named 'Untitled1'. The bottom-left pane shows the R console output:

```
R version 3.4.1 (2017-06-30) --  
"Single Candle"  
Copyright (C) 2017 The R Foundat  
ion for Statistical Computing  
Platform: x86_64-w64-mingw32/x64
```

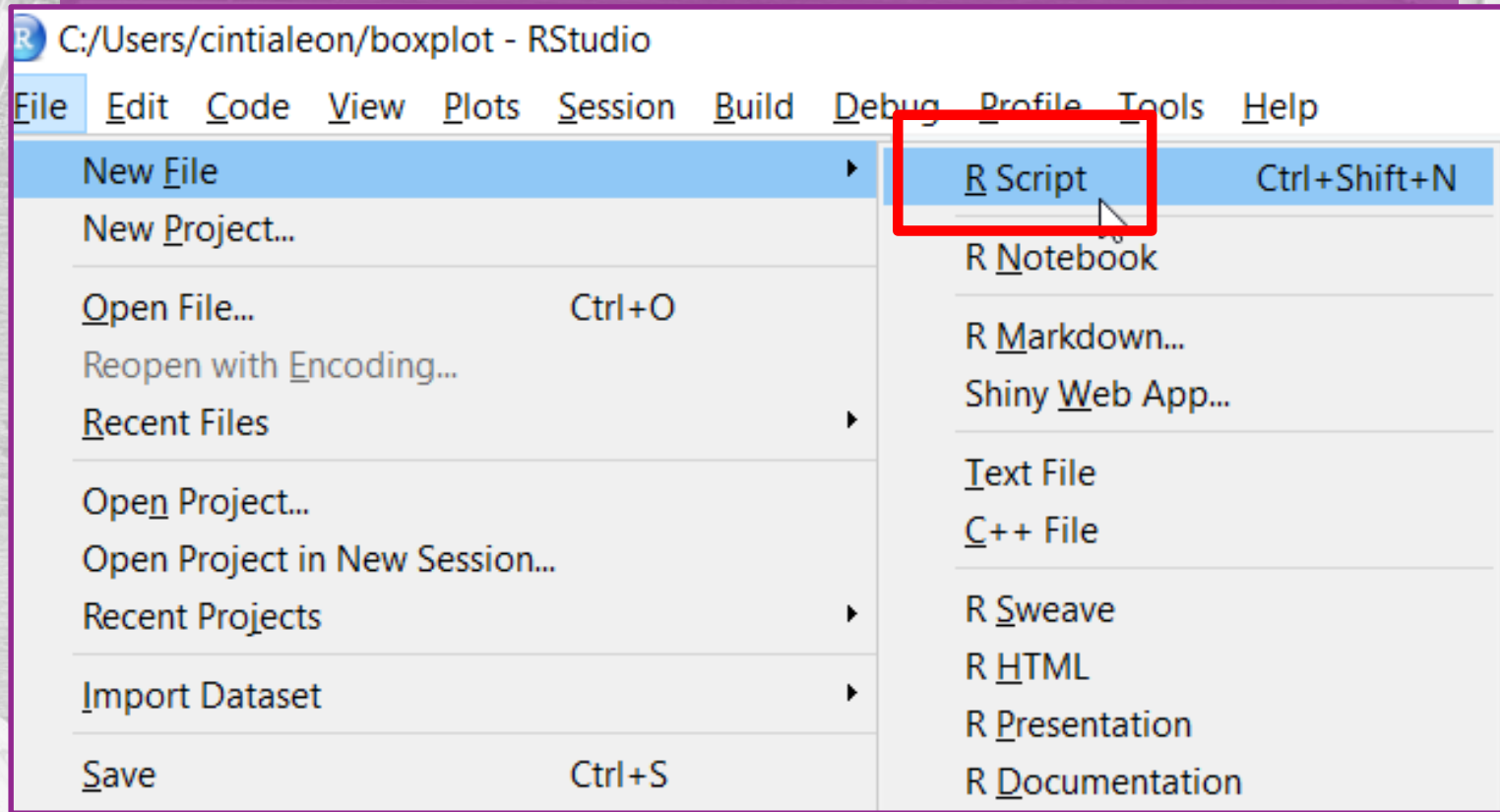
The bottom-right pane shows the file explorer for the project directory 'MiPrueba'. It lists the following files:

Name	Size
..	
.gitignore	44 B
.Rhistory	0 B

The Git pane (highlighted by a red box) shows the following files staged for commit:

Staged	Status	Path
<input type="checkbox"/>	?	.gitignore
<input type="checkbox"/>	?	boxplot.Rproj

## Creamos un archivo R en nuestro proyecto



# Creamos un archivo R en nuestro proyecto

Environment History Connections Git

New Connection

Connection Status

Files Plots Packages Help Viewer

Console Terminal x

C:/Users/cintialeon/boxplot/

```
> # Importarlos como un data frame
> banco <- read.csv(file = "bank.csv", sep = ";")
> # Diagrama de caja
> plot(x = banco$education, y = banco$age)
>
```

**https://bit.ly/2ITg4rO**

**Es una 'ele' minúscula**

# Copiamos, pegamos, ejecutamos

Untitled1\* x

Source on Save

Run

Source

```
1 # Datos de campaña de Marketing en Portugal
2 download.file(
3   url = "https://raw.githubusercontent.com/jboscomendoza/r-principiantes-bookdown/master/
4   destfile = "bank.csv")
5
6 # Damos un vistazo al contenido del archivo bank.csv con readLines().
7 readLines("bank.csv", n = 4)
8
9 # Importarlos como un data frame
10 banco <- read.csv(file = "bank.csv", sep = ";")
11
12 # Diagrama de caja
13 plot(x = banco$education, y = banco$sage)
```

12:19 (Top Level) R Script

Console Terminal x

C:/Users/cintialeon/boxplot/

oct";79;1;-1;0;"unknown";"no"

[3] "33;"services";"married";"secondary";"no";4789;"yes";"yes";"cellular";11;"may";220;1;339;4;"failure";"no"

[4] "35;"management";"single";"tertiary";"no";1350;"yes";"no";"cellular";16;"apr";185;1;330;1;"failure";"no"

> # Importarlos como un data frame

> banco <- read.csv(file = "bank.csv", sep = ";")

Environment History Connections Git

Import Dataset

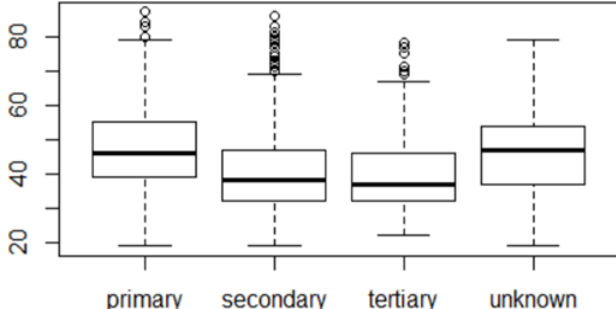
Global Environment

Data

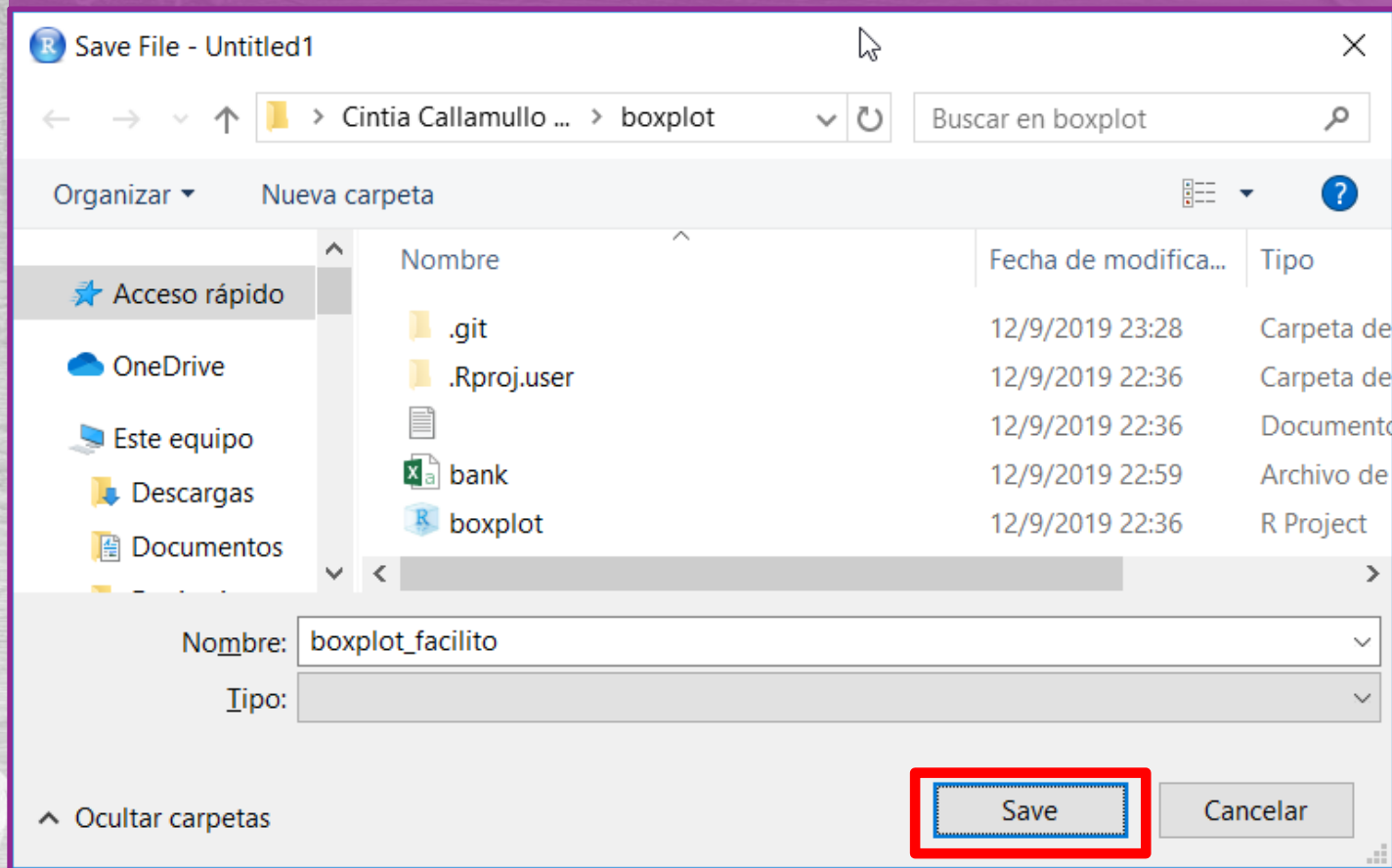
banco 4521 obs. of 17 variables

Files Plots Packages Help Viewer

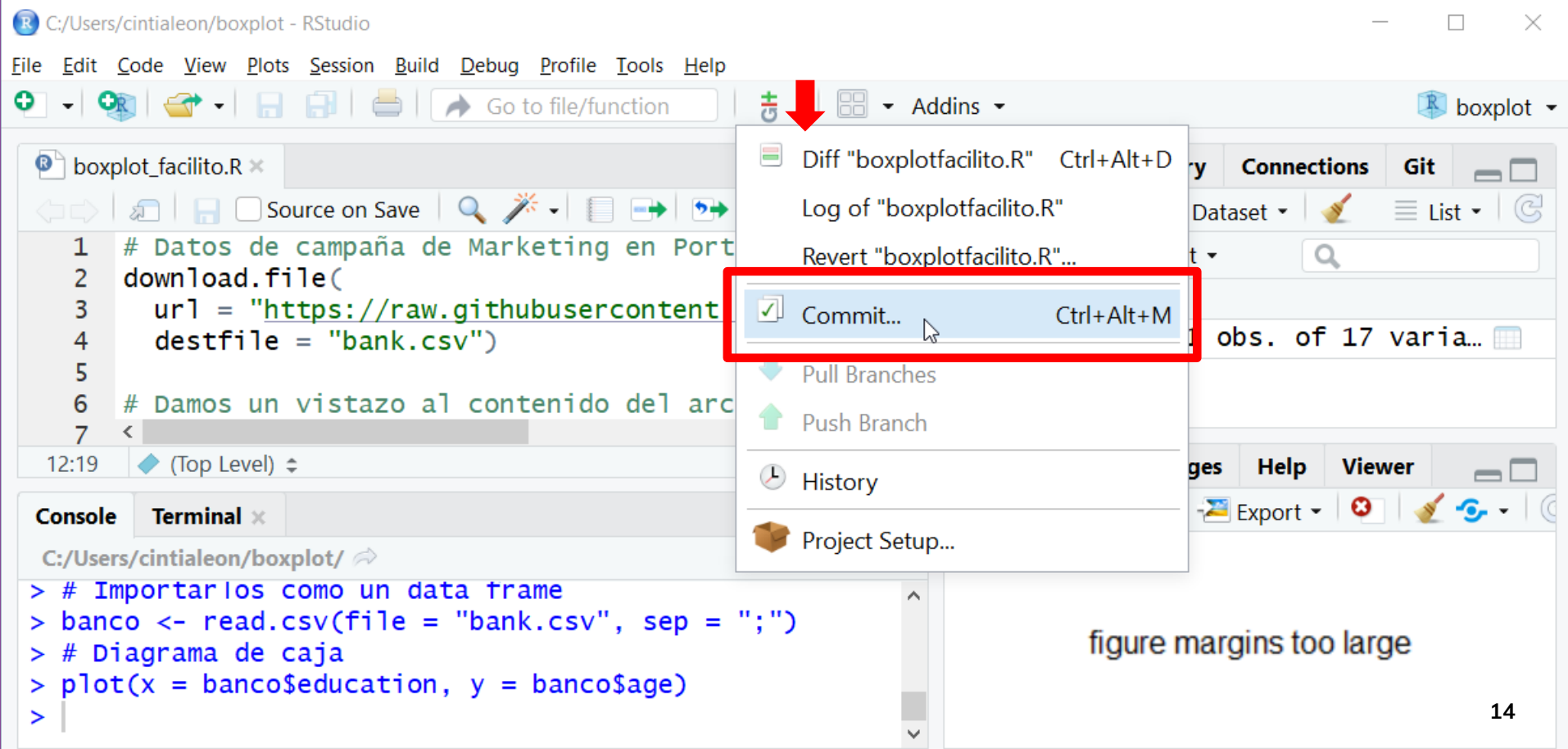
Zoom Export Publish



## Y guardamos



# Commiteamos



The screenshot shows the RStudio interface with the Git menu open. A red arrow points to the Git icon in the toolbar, and a red box highlights the 'Commit...' option in the menu. The background shows an R script for downloading data from GitHub and plotting a boxplot.

**RStudio Interface:**

- File:** Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help
- Toolbar:** Add new file, Add new R script, Save, Source on Save, Find, Replace, Run, Go to file/function, Git icon (highlighted with a red arrow).
- Editor:** boxplot\_facilito.R
- Code:**

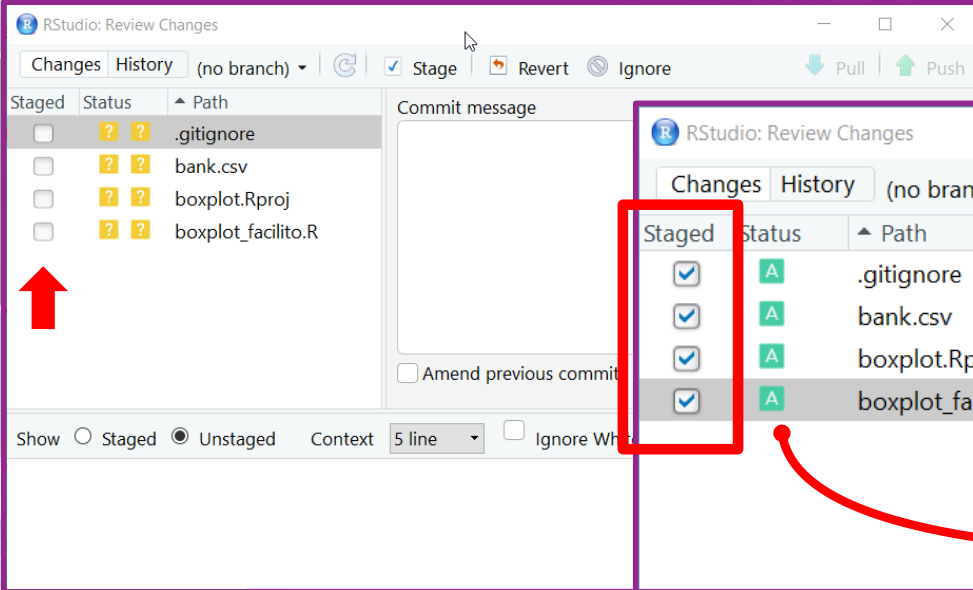
```
1 # Datos de campaña de Marketing en Port
2 download.file(
3   url = "https://raw.githubusercontent.com/cintialeon/boxplot
4   destfile = "bank.csv")
5
6 # Damos un vistazo al contenido del arc
7 <
```
- Console:**

```
> # Importarlos como un data frame
> banco <- read.csv(file = "bank.csv", sep = ";")
> # Diagrama de caja
> plot(x = banco$education, y = banco$age)
>
```
- Git Menu (Highlighted):**
  - Diff "boxplotfacilito.R" Ctrl+Alt+D
  - Log of "boxplotfacilito.R"
  - Revert "boxplotfacilito.R"...
  - Commit... Ctrl+Alt+M** (highlighted with a red box)
  - Pull Branches
  - Push Branch
  - History
  - Project Setup...
- Other Panels:** Connections, Git, Dataset, List, Viewer, Export.

figure margins too large



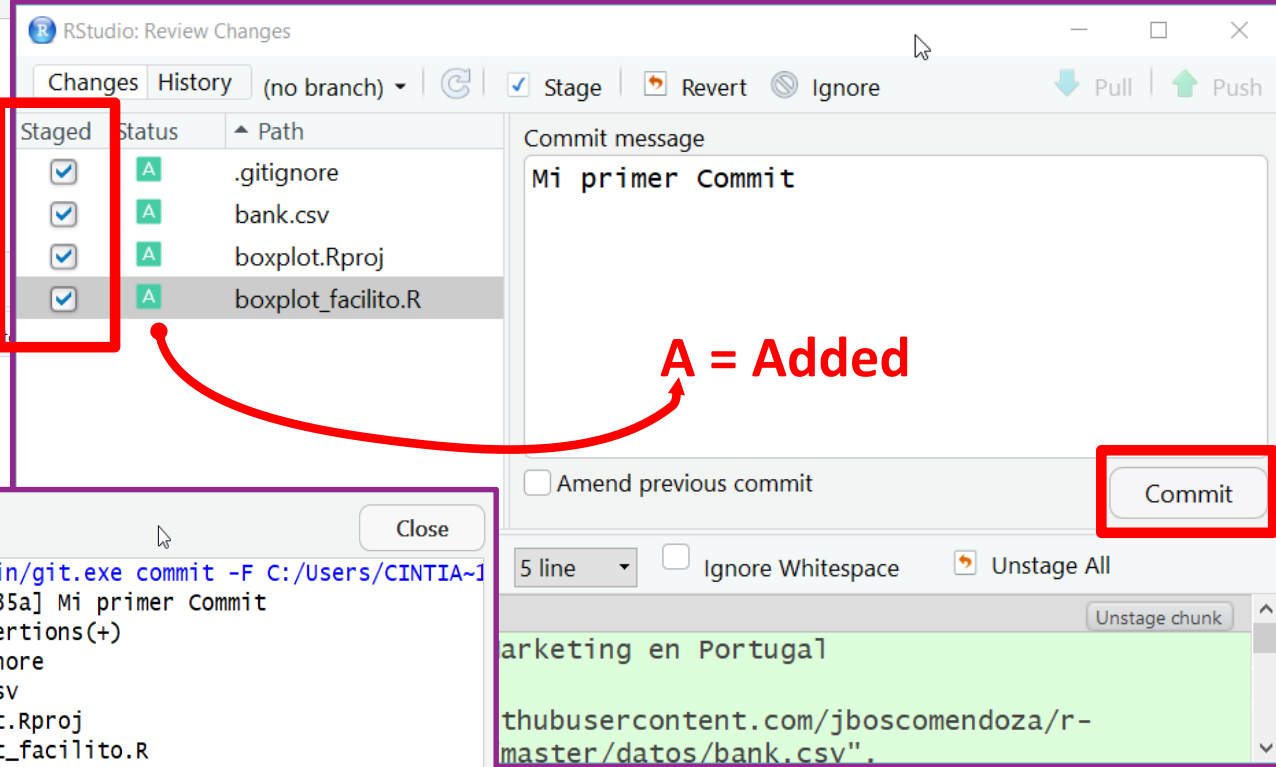
# Commiteamos



This screenshot shows the RStudio 'Review Changes' window. The 'Changes' tab is active, showing a list of files that have been modified but are not yet staged for commit. The files listed are .gitignore, bank.csv, boxplot.Rproj, and boxplot\_facilito.R. Each file has a status icon consisting of two yellow question marks. A red arrow points to the first row of the file list.

Staged	Status	Path
<input type="checkbox"/>	??	.gitignore
<input type="checkbox"/>	??	bank.csv
<input type="checkbox"/>	??	boxplot.Rproj
<input type="checkbox"/>	??	boxplot_facilito.R

Buttons at the top: Stage, Revert, Ignore, Pull, Push.

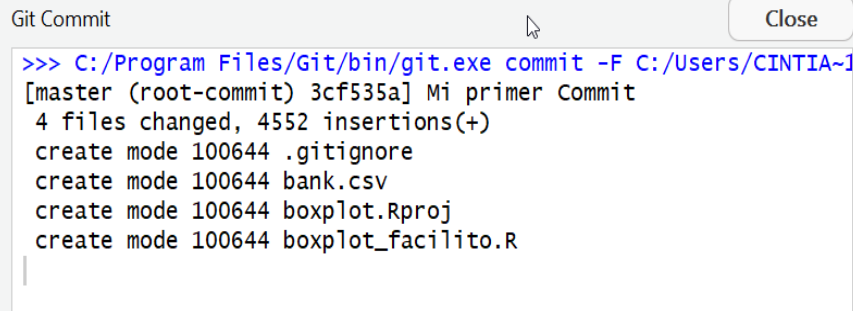


This screenshot shows the RStudio 'Review Changes' window with files staged for commit. The 'Changes' tab is active, and the files .gitignore, bank.csv, boxplot.Rproj, and boxplot\_facilito.R are now marked with a green 'A' icon. A red box highlights the 'A' icons, and a red arrow points from this box to the text 'A = Added'. The 'Commit message' field contains the text 'Mi primer Commit'. The 'Commit' button is highlighted with a red box.

Staged	Status	Path
<input checked="" type="checkbox"/>	A	.gitignore
<input checked="" type="checkbox"/>	A	bank.csv
<input checked="" type="checkbox"/>	A	boxplot.Rproj
<input checked="" type="checkbox"/>	A	boxplot_facilito.R

Commit message: Mi primer Commit

Buttons at the bottom: Amend previous commit, Commit, 5 line, Ignore Whitespace, Unstage All.



```
>>> C:/Program Files/Git/bin/git.exe commit -F C:/Users/CINTIA~1/
[master (root-commit) 3cf535a] Mi primer Commit
4 files changed, 4552 insertions(+)
create mode 100644 .gitignore
create mode 100644 bank.csv
create mode 100644 boxplot.Rproj
create mode 100644 boxplot_facilito.R
```

# Copiamos, pegamos, ejecutamos - Otra vez ;)

```
Untitled1* x
Source on Save
Run Source

9 # Importarlos como un data frame
10 banco <- read.csv(file = "bank.csv", sep = ";")
11
12 # Diagrama de caja basico
13 plot(x = banco$education, y = banco$age)
14
15 # Diagrama de caja con onda
16 library(ggplot2)
17
18 boxplot_con_onda <- ggplot(banco, aes(x = education, y = age, color= education))
19
20 boxplot_con_onda +
21   geom_boxplot(notch = TRUE) +
22   theme_classic()
23
```

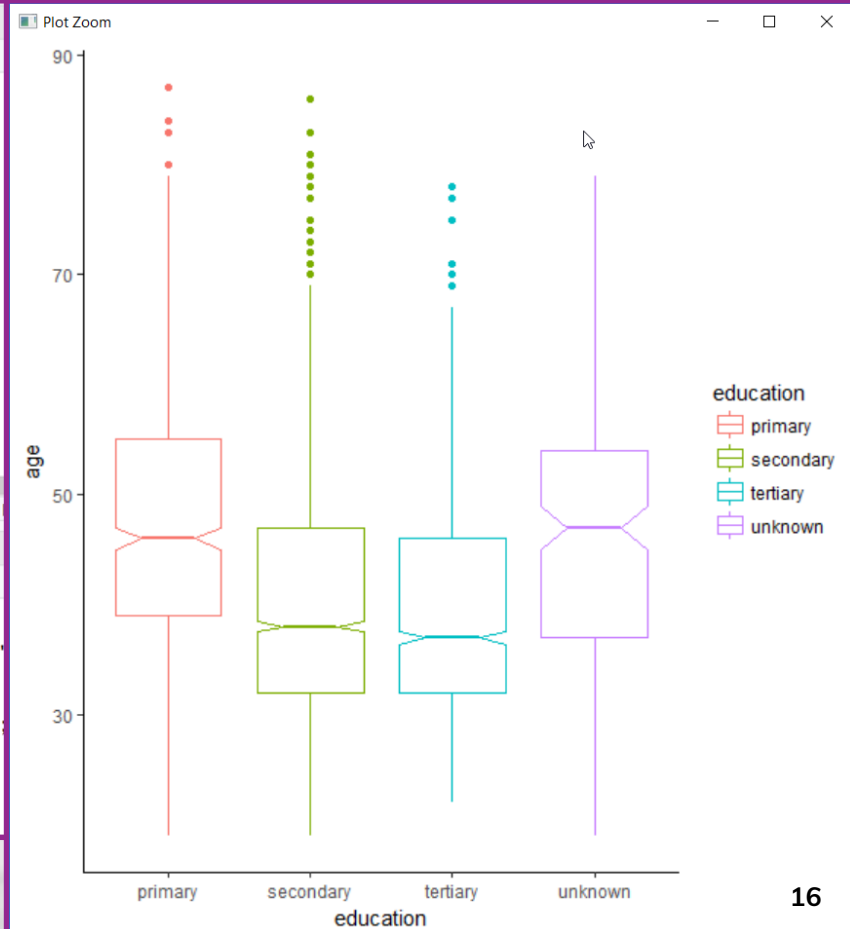
12:19 (Top Level) ↕

Console Terminal x

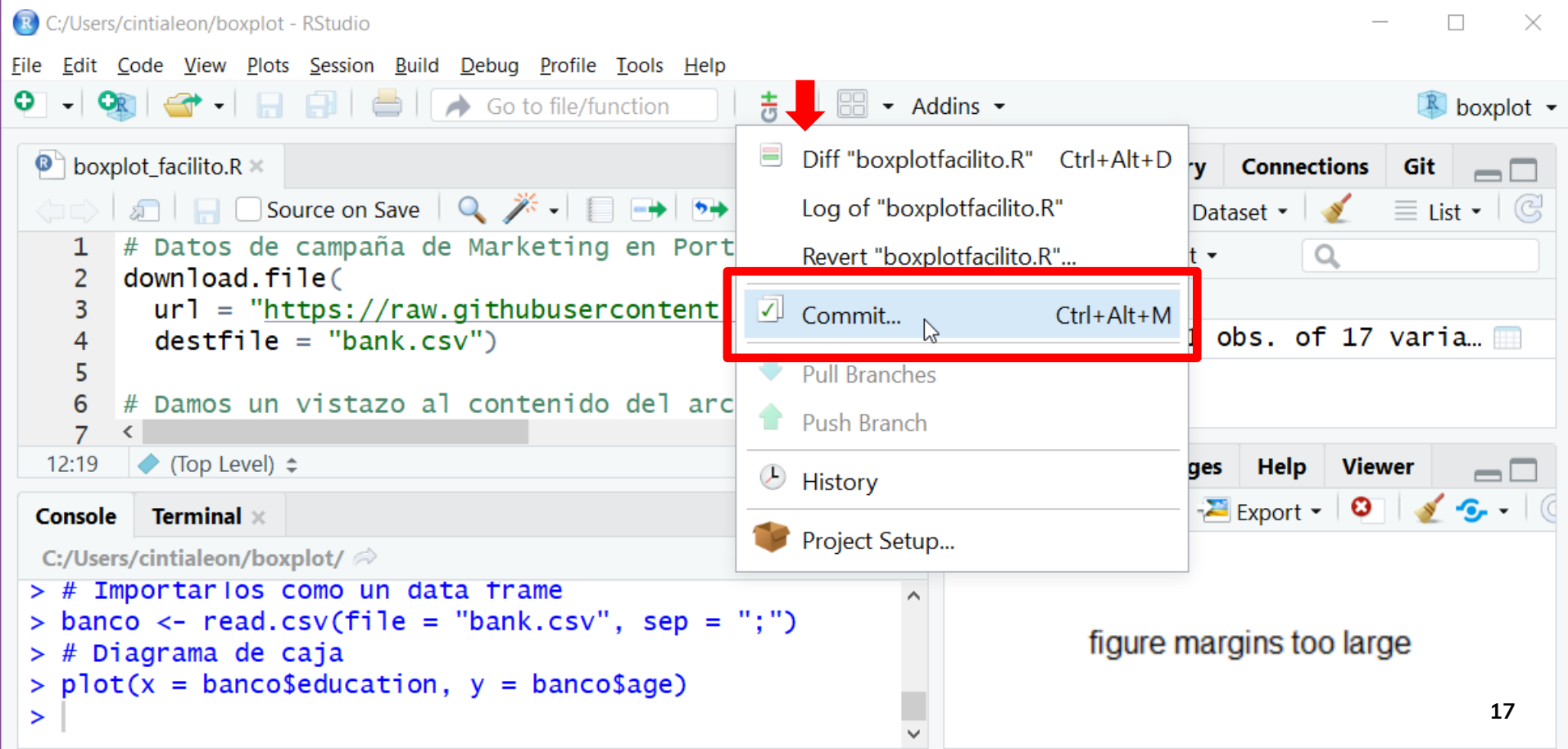
C:/Users/cintialeon/boxplot/ ↗

```
oct";79;1;-1;0;"unknown";;"no""
[3] "33;"services";;"married";;"secondary";;"no";4789;"yes";;"yes";;"cellular";;"may";220;1;339;4;"failure";;"no""
[4] "35;"management";;"single";;"tertiary";;"no";1350;"yes";;"no";;"cellular";;"apr";185;1;330;1;"failure";;"no""

> # Importarlos como un data frame
> banco <- read.csv(file = "bank.csv", sep = ";")
```



# Volvemos a commitear



The screenshot shows the RStudio interface with the Git menu open. A red arrow points to the Git icon in the top toolbar, and a red box highlights the 'Commit...' option in the menu. The background shows the R script editor with code for downloading a CSV file and creating a boxplot, and the console with the execution commands.

**File Edit Code View Plots Session Build Debug Profile Tools Help**

**boxplot\_facilito.R**

```
1 # Datos de campaña de Marketing en Port
2 download.file(
3   url = "https://raw.githubusercontent.com/cintialeon/boxplot
4   destfile = "bank.csv")
5
6 # Damos un vistazo al contenido del arc
7 <
```

**Git**

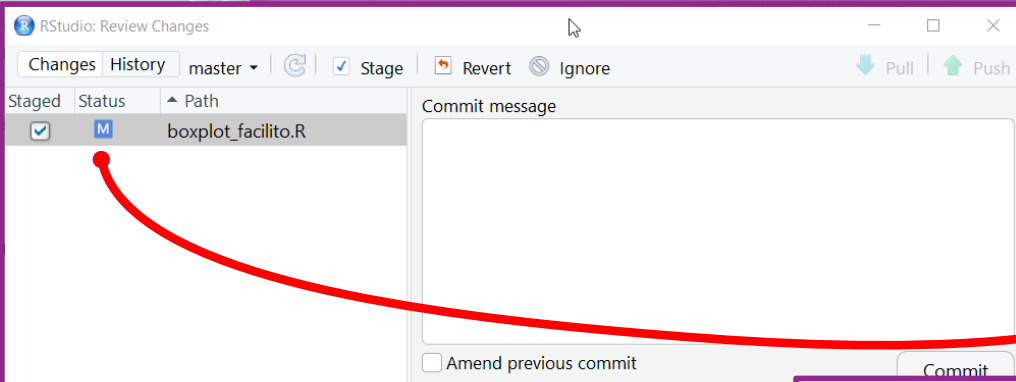
- Diff "boxplotfacilito.R" Ctrl+Alt+D
- Log of "boxplotfacilito.R"
- Revert "boxplotfacilito.R"...
- Commit... Ctrl+Alt+M**
- Pull Branches
- Push Branch
- History
- Project Setup...

**Console** **Terminal**

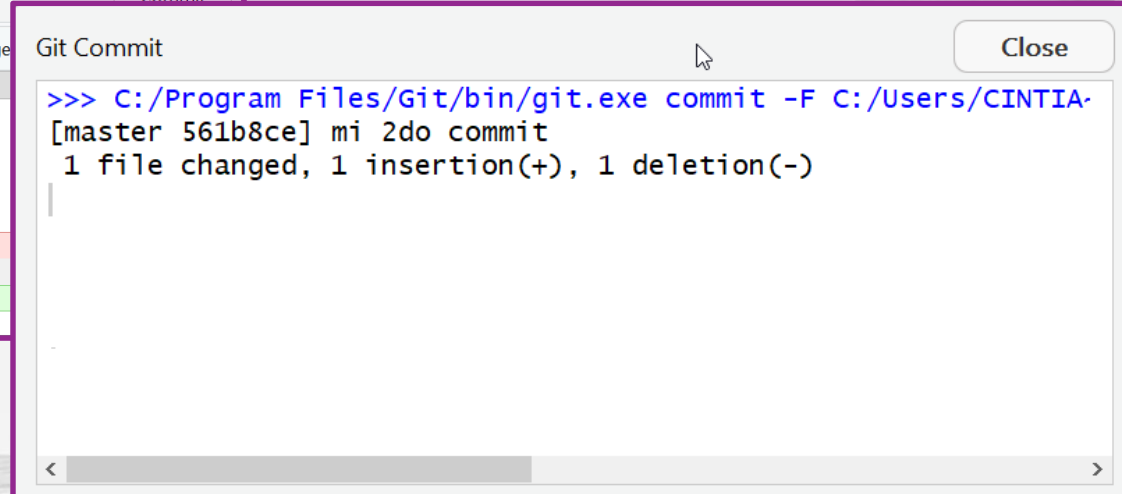
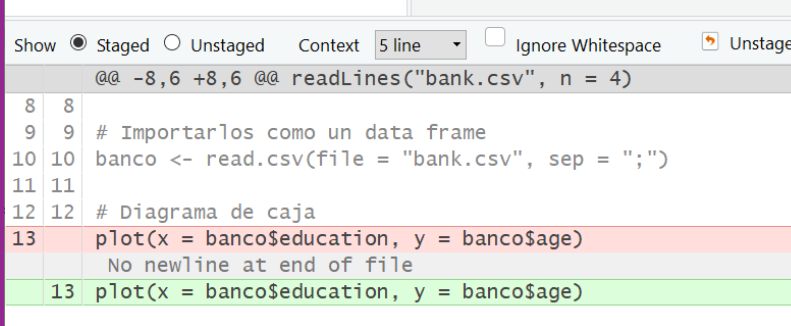
```
C:/Users/cintialeon/boxplot/
> # Importarlos como un data frame
> banco <- read.csv(file = "bank.csv", sep = ";")
> # Diagrama de caja
> plot(x = banco$education, y = banco$age)
>
```

figure margins too large

# Volvemos a commitear



**M = Modified**





## Revisamos el historial de cambios


RStudio: Review Changes

Changes History master (all commits) Search Pull

	Subject	Author	Date	SHA
HEAD -> refs/heads/master	commiteando voy	Cintia CL <acallamu@yahoo.com>	2019-09-13	512b15d8
	mi 2do commit	Cintia CL <acallamu@yahoo.com>	2019-09-13	561b8ce4
	Mi primer Commit	Cintia CL <acallamu@yahoo.com>	2019-09-13	3cf535a7

Commits 1-3 of 3

**SHA** 3cf535a7  
**Author** Cintia CL <acallamu@yahoo.com>  
**Date** 2019-09-13 02:50  
**Subject** **Mi primer Commit**

 **This commit is extremely large (456.4 KB) and may cause RStudio to slow down or even hang.**

Are you sure you want to continue?

Show Diff



Changes

History

master

(all commits)



Search



Pull

	Subject	Author	Date	SHA
	HEAD -> refs/heads/master commiteando voy	Cintia CL <acallamu@yahoo.com>	2019-09-13	512b15d8
	mi 2do commit	Cintia CL <acallamu@yahoo.com>	2019-09-13	561b8ce4
	Mi primer Commit	Cintia CL <acallamu@yahoo.com>	2019-09-13	3cf535a7



Commits 1-3 of 3

**SHA** 561b8ce4**Author** Cintia CL <acallamu@yahoo.com>**Date** 2019-09-13 03:31**Subject** mi 2do commit**Parent** 3cf535a7 [boxplot\\_facilito.R](#) **boxplot\_facilito.R**[View file @ 561b8ce4](#)

```

@@ -10,4 +10,4 @@ readLines("bank.csv", n = 4)
10 10 banco <- read.csv(file = "bank.csv", sep = ";")
11 11
12 12 # Diagrama de caja
13 plot(x = banco$education, y = banco$age)
   No newline at end of file
13 plot(x = banco$education, y = banco$age)

```

RStudio: Review Changes

Changes History master (all commits) Search Pull

Subject	Author	Date	SHA
HEAD -> refs/heads/master commiteando voy	Cintia CL <acallamu@yahoo.com>	2019-09-13	512b15d8
mi 2do commit	Cintia CL <acallamu@yahoo.com>	2019-09-13	561b8ce4
Mi primer Commit	Cintia CL <acallamu@yahoo.com>	2019-09-13	3cf535a7

Commits 1-3 of 3

**SHA** 512b15d8  
**Author** Cintia CL <acallamu@yahoo.com>  
**Date** 2019-09-13 03:43  
**Subject** commiteando voy  
**Parent** 561b8ce4

[boxplot\\_facilito.R](#)


**boxplot\_facilito.R** [View file @ 512b15d8](#)

```

@@ -9,5 +9,15 @@ readLines("bank.csv", n = 4)
9 9 # Importarlos como un data frame
10 10 banco <- read.csv(file = "bank.csv", sep = ";")
11 11
12 # Diagrama de caja
12 # Diagrama de caja basico
13 13 plot(x = banco$education, y = banco$age)
14
15 # Diagrama de caja con onda
16 library(qqplot2)
  
```

A top-down view of a wooden desk. In the center is a spiral-bound notebook with a white cover. A silver pen lies on the bottom right page of the notebook. To the top right of the notebook is a paint palette with several wells of paint. To the top left is a small bowl containing fruit. In the bottom left corner, a white headset is visible. A semi-transparent purple horizontal band is overlaid across the middle of the notebook, containing white text.

# Clonar un proyecto en GitHub desde RStudio

 **cleon-c / Meetup** Unwatch ▾

1

★ Star


0

 Fork



0

&lt;&gt; Code


! Issues 0

 Pull requests 0 Projects 0 Wiki Security Insights Settings

No description, website, or topics provided.

[Edit](#)[Manage topics](#) 3 commits 1 branch 0 releases 1 contributor


Branch: master ▾

[New pull request](#)[Create new file](#)[Upload files](#)[Find File](#)[Clone or download ▾](#) **cleon-c** Update facilito.txt ... [README.md](#)

Initial commit

 [facilito.txt](#)

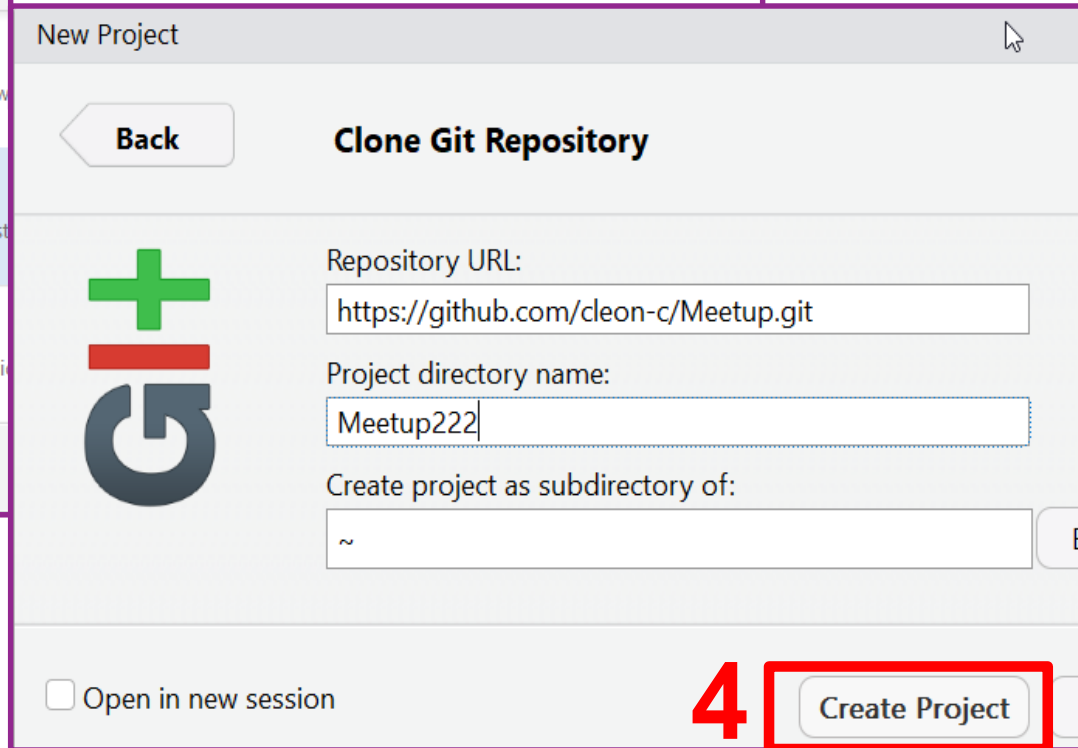
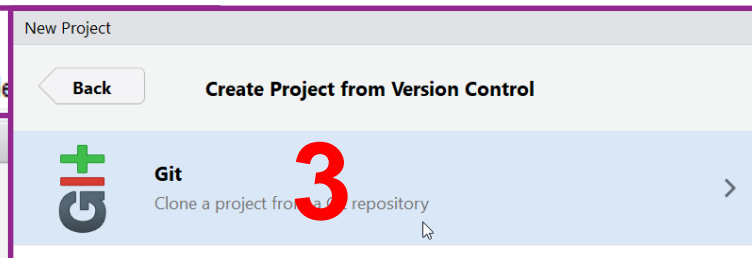
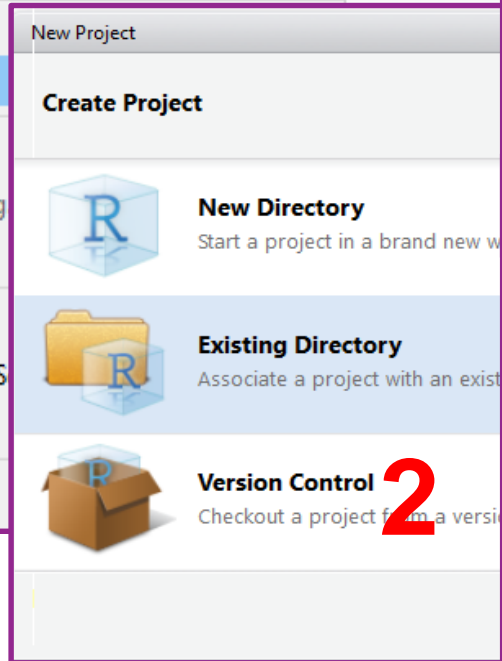
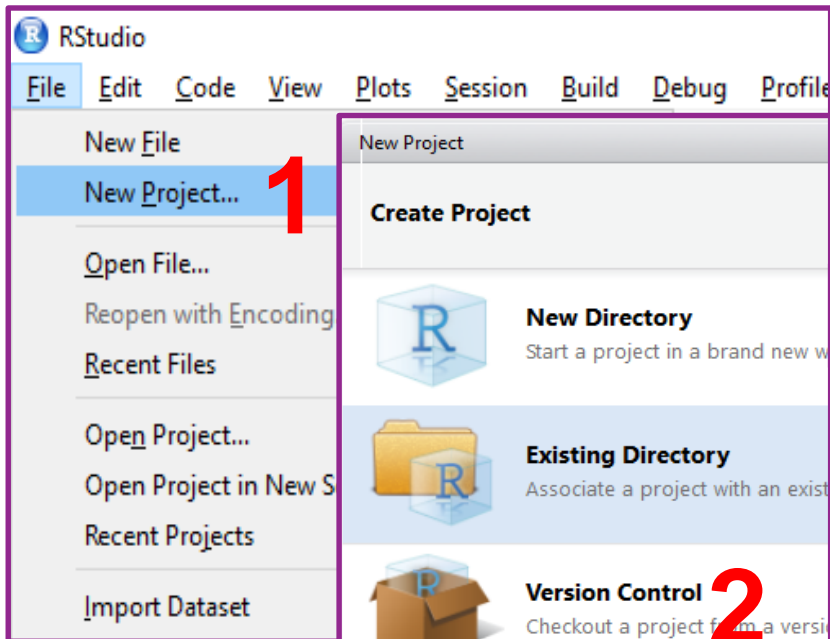
Update facilito.txt

 [README.md](#)**Clone with HTTPS** [Use SSH](#)

Use Git or checkout with SVN using the web URL.

<https://github.com/cleon-c/Meetup.git>[Open in Desktop](#)[Download ZIP](#)

# Meetup



Console ~/Meetup222/

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.

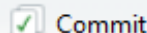
Type 'demo()' for some demos, 'help()' for on-line help, or  
'help.start()' for an HTML browser interface to help.  
Type 'q()' to quit R.

&gt; |

Environment

History

Git



master



Staged

Status

Path



.gitignore



Meetup222.Rproj

Files

Plots

Packages

Help

Viewer



New Folder



Delete



Rename



More



Home &gt; Meetup222



Name

Size

Mo



..



.gitignore

44 B

Se



facilito.txt

710 B

Se



Meetup222.Rproj

224 B

Se



README.md

8 B

Se



A top-down view of a wooden desk. In the center is a spiral-bound notebook with a white cover and a purple band across the middle. A silver pen lies on the bottom page of the notebook. To the top right is a watercolor palette with several colors. To the top left is a small bowl of fruit. To the bottom left is a white headset. The background is a light-colored wooden surface.

## Revisamos el historial de cambios

# Yapa ! - Asociar a Github

~/Meetup222 - master - RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

3

2

```
### Este es un ejemplo para el Meetup del 14 de
septiembre ###

### Primera parte ###

# Datos de campaña de Marketing en Portugal
download.file(
  url = "https://raw.githubusercontent.com/
jboscomendoza/r-principiantes-bookdown/master
```

1

Console ~/Meetup222/

```
R version 3.6.1 (2019-07-05) -- "Action of the Toes"
Copyright (C) 2019 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x64 (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.
```

Environment History Git

Diff Commit

Staged Status Path

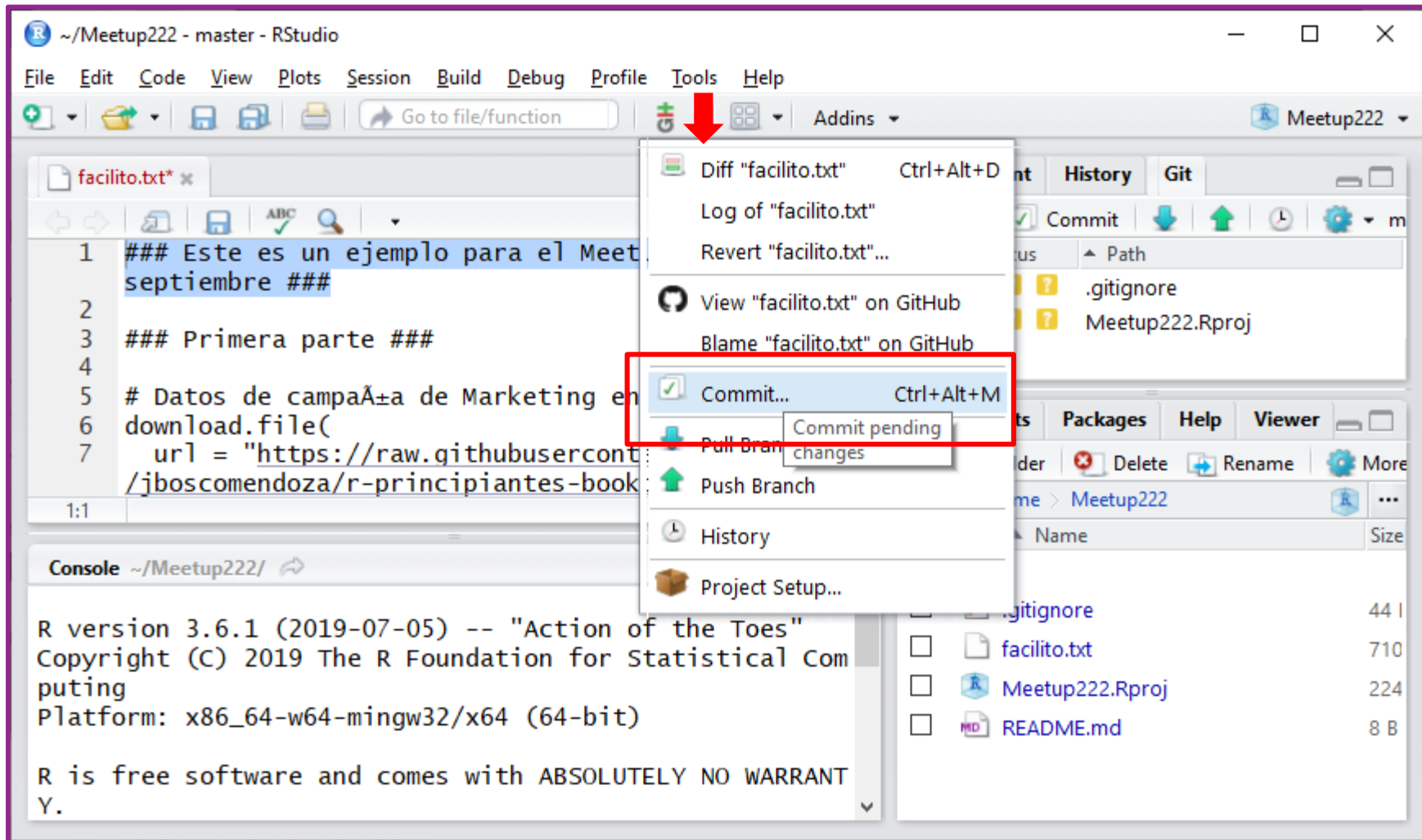
<input type="checkbox"/>	?	?	.gitignore
<input type="checkbox"/>	?	?	Meetup222.Rproj

Files Plots Packages Help Viewer

New Folder Delete Rename More

Home > Meetup222

	Name	Size
	..	
<input type="checkbox"/>	.gitignore	44 B
<input type="checkbox"/>	facilito.txt	710 B
<input type="checkbox"/>	Meetup222.Rproj	224 B
<input type="checkbox"/>	README.md	8 B



RStudio: Review Changes

Changes History master [refresh] [checkmark] Stage [undo] Revert [stop] Ignore [download] Pull [upload] Push

Staged	Status	Path
<input type="checkbox"/>	?	.gitignore
<input type="checkbox"/>	?	Meetup222.Rproj
<input checked="" type="checkbox"/>	M	facilito.txt

Commit message

Agregue descripción del archivo.

☐ Amend previous commit

Commit

Show [radio] Staged [radio] Unstaged Context 5 line [refresh] Unstage All

@@ -1,5 +1,7 @@

```
1 ### Este es un ejemplo para el Meetup del 14 de septiembre ###
2
```

```
1 3 ### Primera parte
2 4
3 5 # Datos de campaña
4 6 download.file(
5 7   url = "https://bookdown.org/master/
```

Git Commit

\*\*\* Please tell me who you are.

Run

```
git config --global user.email "you@example.com"
git config --global user.name "Your Name"
```

to set your account's default identity.  
Omit --global to set the identity only in this repository.

Problema !!!

Close

Git Push

Stop

GitHub Login



!!!

GitHub

Seleccionar MINGW64:/c/Users/cleon/Documents/Meetup222



```
cleon@LAPTOP-CMCU18EI MINGW64 ~/Documents/Meetup222 (master)
$ git config --global user.name "Cintia CL"
cleon@LAPTOP-CMCU18EI MINGW64 ~/Documents/Meetup222 (master)
$ git config --global user.email "cyt_2018@yahoo.com"

cleon@LAPTOP-CMCU18EI MINGW64 ~/Documents/Meetup222 (master)
$ _
```



RStudio: Review Changes

Changes History master Stage Revert Ignore Pull Push

Staged	Status	Path
<input type="checkbox"/>	?	.gitignore
<input type="checkbox"/>	?	Meetup222.Rproj
<input checked="" type="checkbox"/>	M	facilito.txt

Commit message

Agregue descripción del archivo.

☐ Amend previous commit

Commit

Show Staged Unstaged Context 5 line Unstage All

```
@@ -1,5 +1,7 @@
1  ### Este es un ejemplo para el Meetup del 14 de septiembre ###
2
1 3  ### Primera parte ###
2 4
3 5  # Datos de
4 6  download.f
5 7  url = "ht
bookdown/ma
```


Unstage chunk

Git Commit

[master 6894988] Se agrega descripcion  
1 file changed, 2 insertions(+)


Close

Ok !!!

Changes History master   Stage  Revert  Ignore Pull Push

Staged Status Path

Git Push

 GitHub Login**GitHub**  
Login

cyt\_2018@yahoo.com

.....



Login



Cancel

Don't have an account? [Sign up](#)  
[Forgot your password?](#)

## Meetup / facilito.txt



cleon-c Se agrega descripcion

6894988 1 minutes ago

1 contributor

Raw

Blame

History

31 lines (19 sloc) | 746 Bytes

```
1  ### Este es un ejemplo para el Meetup del 14 de septiembre ###
2
3  ### Primera parte ###
4
5  # Datos de campaña de Marketing en Portugal
```



**Fin de la Yapa !**

# Preguntas? ✨



Cintia Callamullo León

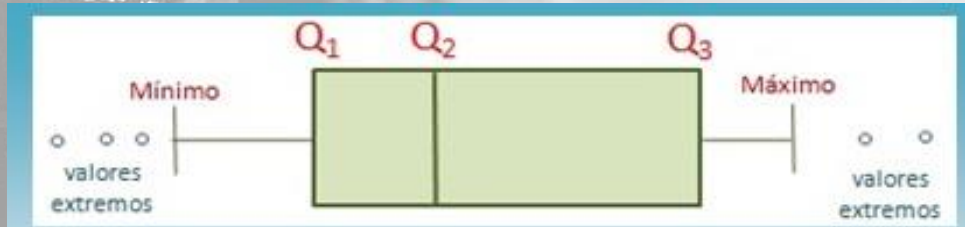
# Gracias!

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- <https://git-scm.com/book/es/v1/Empezando-Fundamentos-de-Git>
- <https://support.rstudio.com/hc/en-us/articles/200532077?version=1.0.143&mode=desktop>
- <https://voragine.net/linux/acceso-ssh-seguro-servidor-autenticacion-clave-publica>



## Diagrama de caja