

Ir a la página siguiente

Uso común de Git, GitHub y RStudio

Mauro Lepore

Repositorio: <http://bit.ly/git-comun>

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Muchas ideas e imágenes vienen de:

<https://jennybc.github.io/wtf-2019-rsc/>

Aprender a colaborar

Aprender:

- Por que es importante usar Git/GitHub?
- Que es un “commit”?
- Bifurcar un repositorio
- Trabajar en un tiquete
- Solicitar fusión

Referencias

Uso de Git desde la terminal versus RStudio

Operaciones comunes

Por que Git/GitHub?

Como se siente trabajar con y sin Git.



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Excuse me, do you have a moment to talk about version control?
(Jenny Bryan; Ingles)

Arreglar URLs en README.Rmd

[Tiquete modelo](#)

Motivación

Camino corto

- Bifurcar un repositorio



- Trabajar en un tiquete
- Solicitar fusión



Camino corto: Auto-bifurcar

"You're editing a file in a project you don't have write access to. Submitting a change to this file will write it to a new branch in your fork fgeocomm/fgeo.plot, so you can send a pull request."

The screenshot shows the GitHub interface for the repository `forestgeo / fgeo.plot`. At the top, there are buttons for `Watch` (1), `Star` (1), and `Fork` (2). Below this is a navigation bar with links for `Code`, `Issues` (7), `Pull requests` (0), `Projects` (0), `Wiki`, `Security`, and `Insights`. The main content area shows the file `fgeo.plot / README.Rmd` selected, with a `Branch: master` dropdown and `Find file` / `Copy path` buttons. A commit by `maurolepore` is shown with the message "Update installation instructions" and hash `3af81e0` from 9 days ago. Below the commit, it says "2 contributors". The file content is displayed with a line number on the left (1-7) and a toolbar on the right with options `Raw`, `Blame`, `History`, and icons for a new file, edit, and delete. A tooltip "Fork this project and edit the file" is visible over the edit icon. The file content is as follows:

```
1 ---
2 output:
3   github_document:
4     html_preview: true
5 ---
6
7 <!-- Don't edit README.md; instead, edit README.Rmd -->
```

Camino corto: Trabajar en un tiquete

73 **## Information**

74

75 * [\[Getting help\]\(https://forestgeo.github.io/fgeo.plot/SUPPORT.html\)](https://forestgeo.github.io/fgeo.plot/SUPPORT.html).

76 * [\[Contributing\]\(https://forestgeo.github.io/fgeo.plot/CONTRIBUTING.html\)](https://forestgeo.github.io/fgeo.plot/CONTRIBUTING.html).

77 * [\[Contributor Code of Conduct\]\(https://forestgeo.github.io/fgeo.plot/CODE_OF_CONDUCT.html\)](https://forestgeo.github.io/fgeo.plot/CODE_OF_CONDUCT.html).

78



Propose file change

Add full URL

Closes #57

Propose file change

Cancel



Camino corto: Solicitar fusión

forestgeo / fgeo.plot

Watch

1

Star

1

Fork

3

<> Code

Issues 7

Pull requests 0

Projects 0

Wiki

Security

Insights

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).


base repository: forestgeo/fgeo.plot

base: master

head repository: fgeocomm/fgeo.plot

compare: patch-1

✓ **Able to merge.** These branches can be automatically merged.

FORESTGEO

Add full URL

Write


Preview

Closes #57

Attach files by dragging & dropping, selecting or pasting them.

☒ Allow edits from maintainers. [Learn more](#)

Create pull request



It looks like this is your first time opening a pull request in this project!

Be sure to review the [contributing guidelines](#) and [code of conduct](#).

Looking for help?
Check out the project's [instructions for getting support](#).

11/52

Demostrar

Camino corto

Quieres practicar?

CODE_OF_CONDUCT user:forestgeo language:RMarkdown

The screenshot shows a GitHub search interface. The search bar contains the query 'CODE_OF_CONDUCT user:forestgeo language:RMarkdown'. Below the search bar, a dropdown menu shows '18 code results'. The left sidebar lists navigation options: Repositories (0), Code (18), Commits (7), Issues (0), Packages (0), Marketplace (0), Topics (0), Wikis (0), and Users (0). Below the sidebar, a 'Languages' section shows: Markdown (39), RMarkdown (18), and HTML (2). The main content area displays two search results for RMarkdown files. The first result is 'forestgeo/fgeo.template - README.Rmd' with 18 matches, showing code snippets for using the template. The second result is 'forestgeo/bciex - README.Rmd' with 1 match, showing a snippet for acknowledgements.

CODE_OF_CONDUCT user:forestgeo language:RMarkdown

Pull requests Issues Marketplace Explore

CODE_OF_CONDUCT user:forestgeo language:RMar... All GitHub

Repositories 0

Code 18

Commits 7

Issues 0

Packages 0

Marketplace 0

Topics 0

Wikis 0

Users 0

Languages

- Markdown 39
- RMarkdown 18
- HTML 2

18 code results

Sort: Best match

forestgeo/fgeo.template - README.Rmd RMarkdown

Showing the top two matches Last indexed 2 days ago

```
71 usethis::use_template("CODE_OF_CONDUCT.md", package = "fgeo.template")
72 usethis::use_template("ISSUE_TEMPLATE.md", package = "fgeo.template")
...
77 * [Contributor Code of Conduct]
   (https://github.com/forestgeo/fgeo.plot/blob/master/.github/CODE_OF_CONDUCT.md).
78
79 ## READ AND DELETE THIS SECTION
80
81 What is special about using `README.Rmd` instead of just `README.md`? You can include R chunks
   like so:
```

forestgeo/bciex - README.Rmd RMarkdown

Showing the top match Last indexed on Jun 28, 2018

```
47 * [Contributor Code of Conduct](CODE_OF_CONDUCT.md).
48
49 ## Acknowledgements
50
```

Quieres practicar?

Tiquetes abiertos

Repositories	0
Code	0
Commits	0
Issues	7
Packages	0
Marketplace	0
Topics	0
Wikis	0
Users	0

States

Open	7
------	---

7 issues

!

Add full URLs to the website location of Information files

See <https://github.com/forestgeo/fgeo.plot/issues/57>

forestgeo/fgeo Opened by maurolepore 19 minutes ago

#210

!

Add full URLs to the website location of Information files

See <https://github.com/forestgeo/fgeo.plot/issues/57>

forestgeo/fgeo.analyze Opened by maurolepore 20 minutes ago

#98

!

Add full URLs to the website location of Information files

See <https://github.com/forestgeo/fgeo.plot/issues/57>

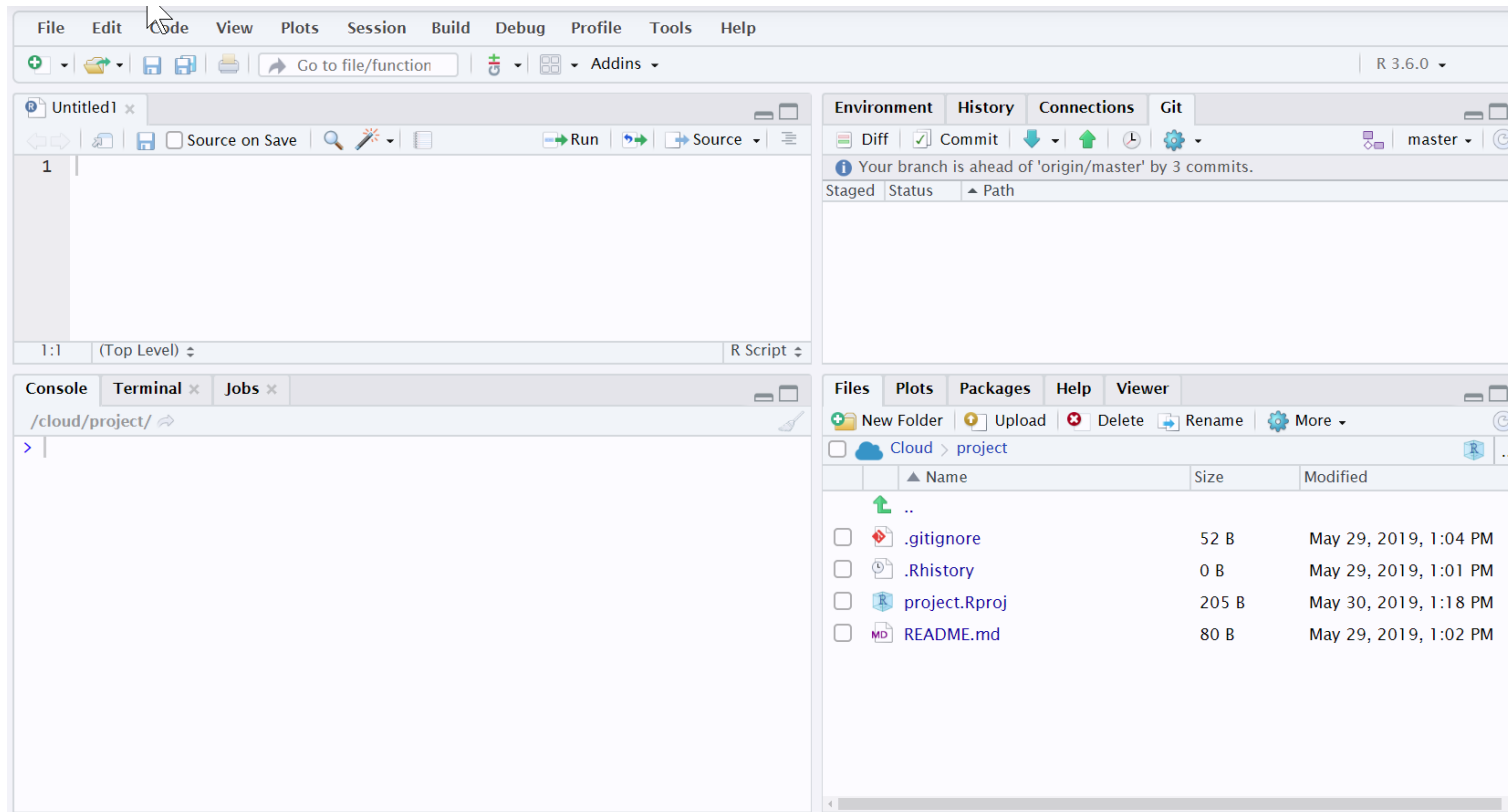
forestgeo/fgeo.biomass Opened by maurolepore 8 minutes ago

#36

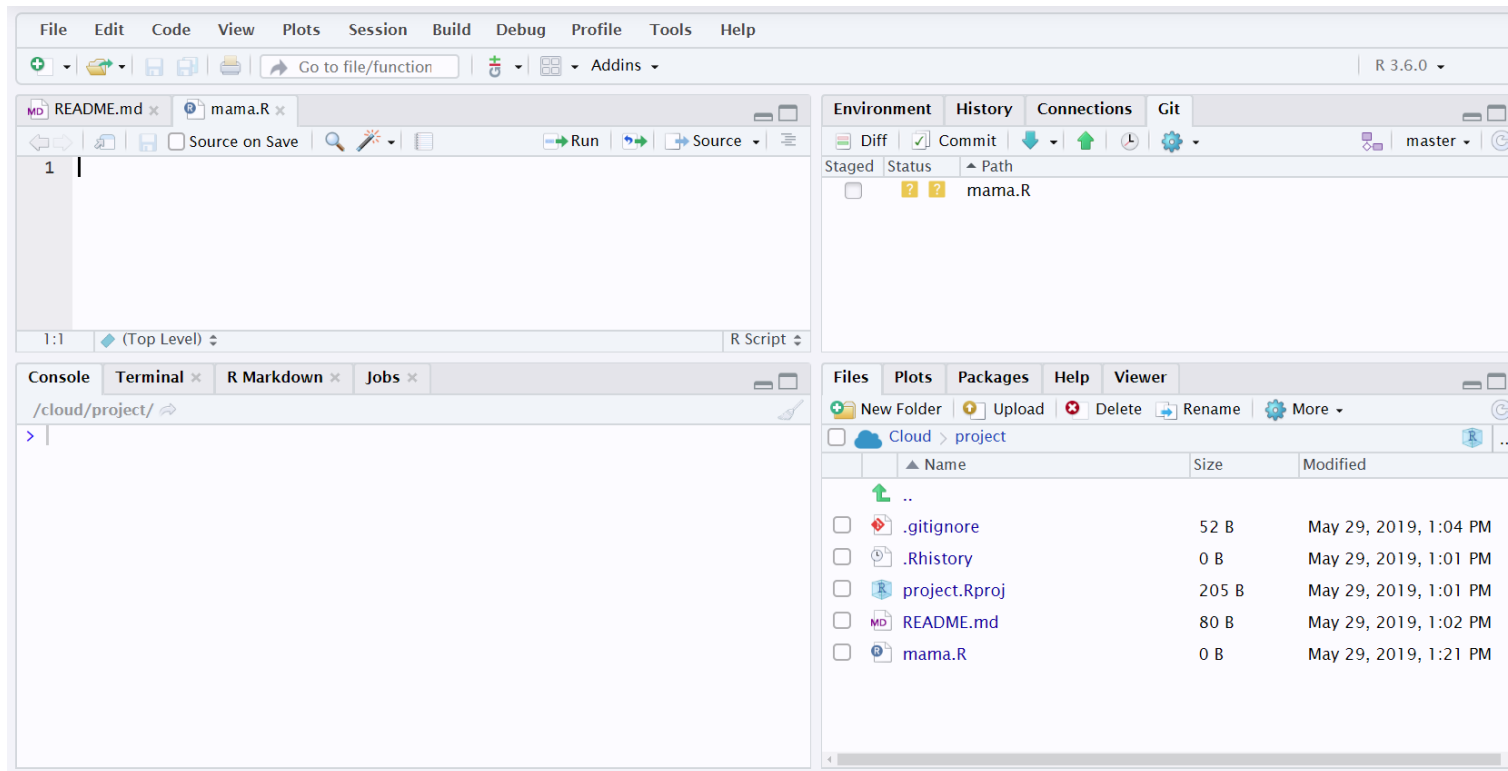
Que es un "commit"?



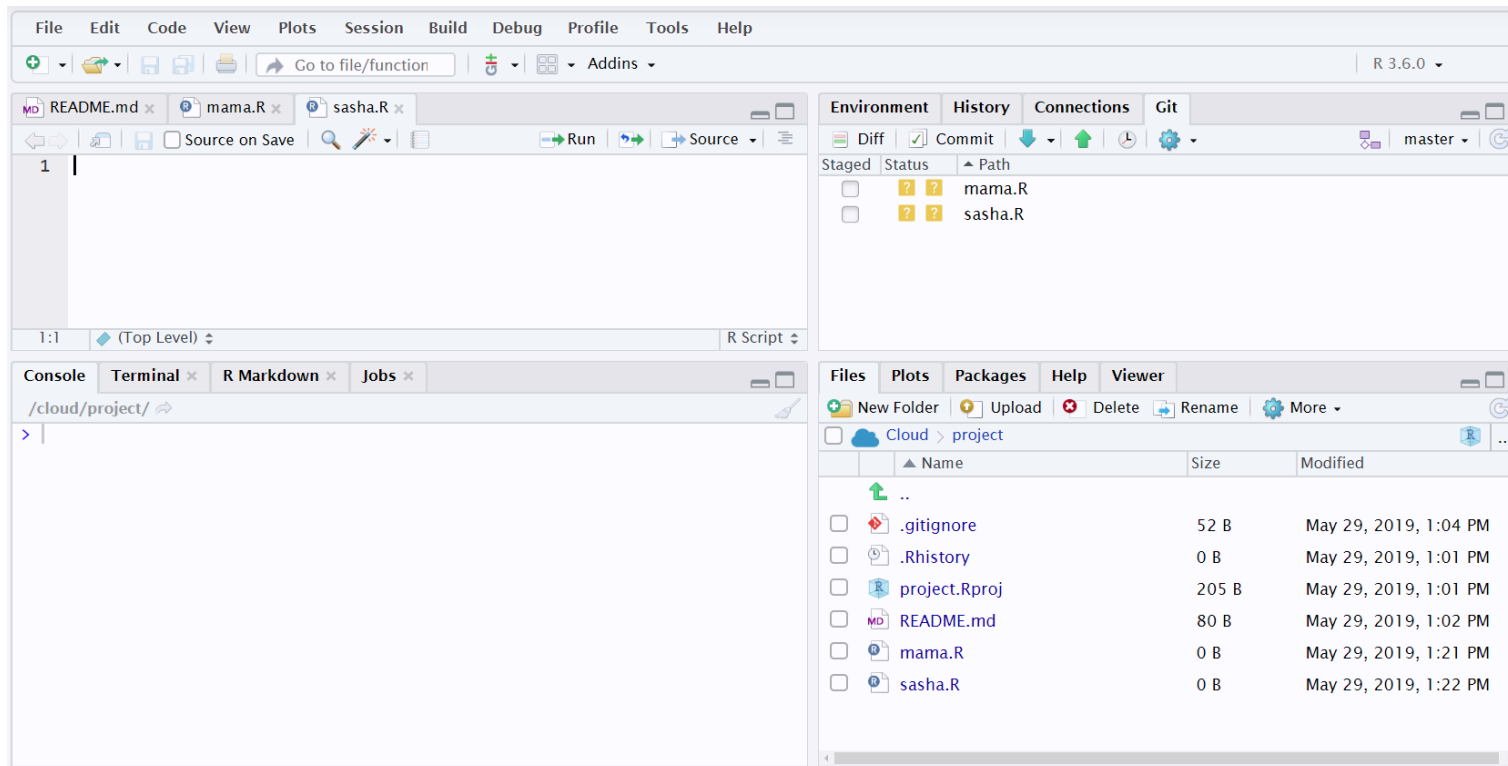
Que es un “commit”?



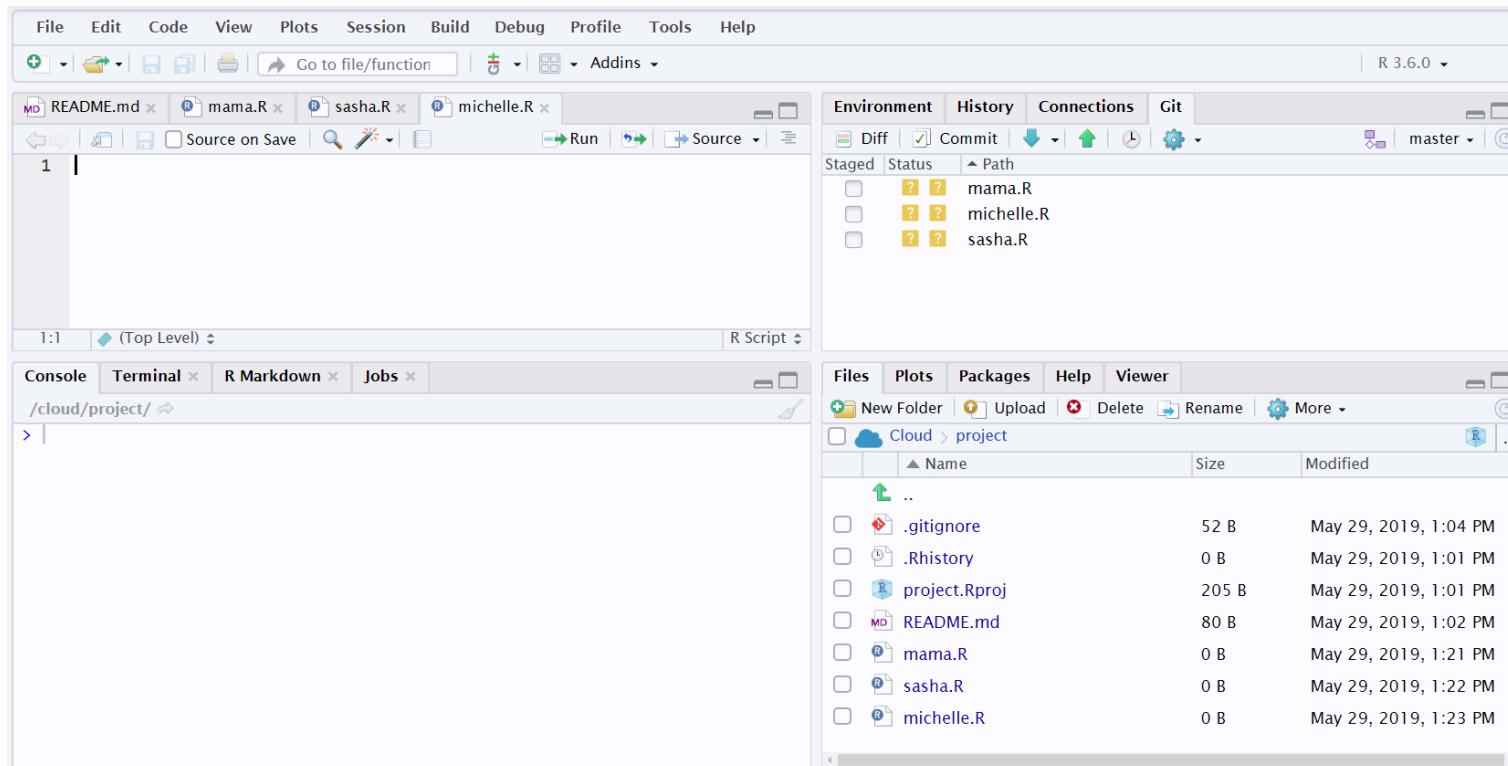
Que es un “commit”?



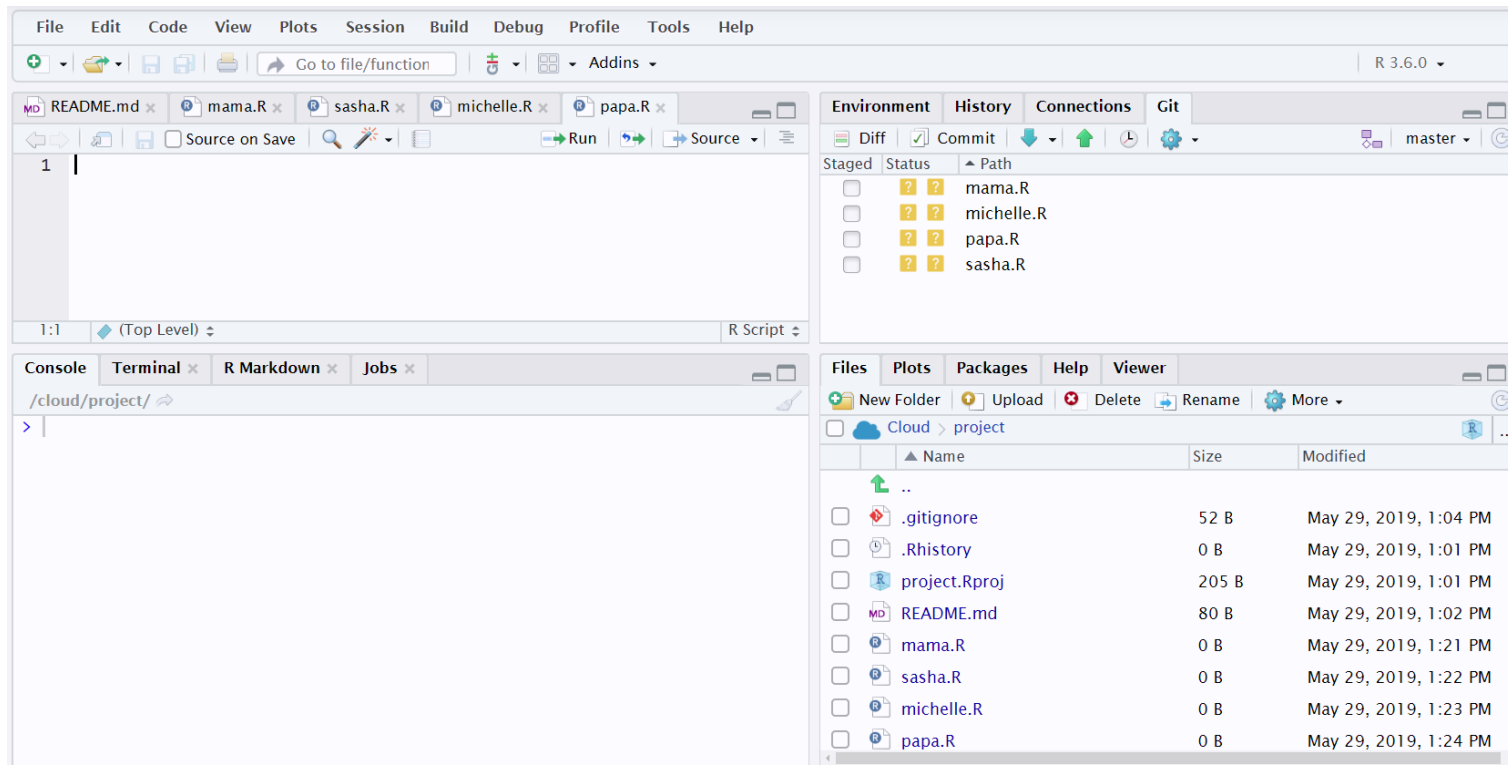
Que es un “commit”?



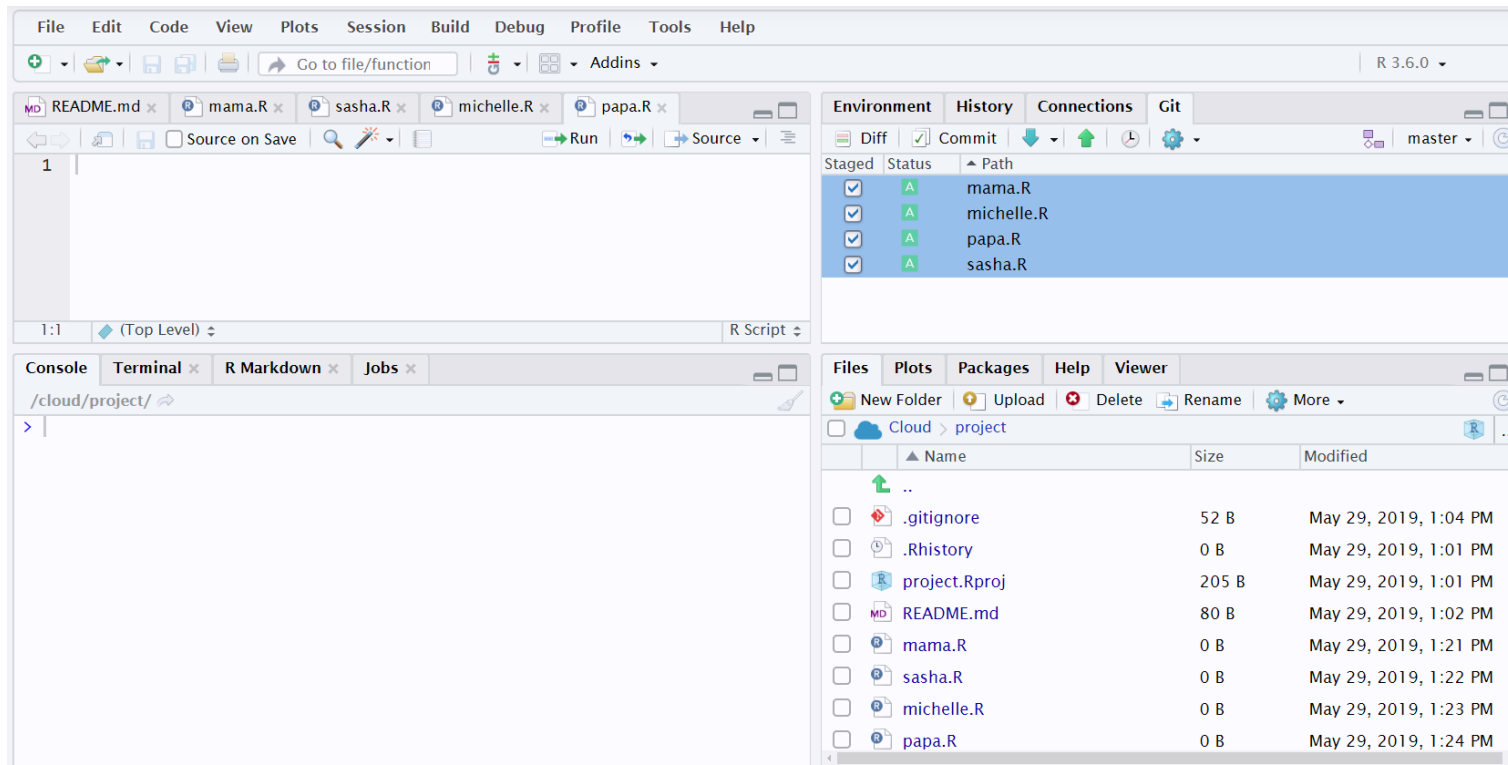
Que es un “commit”?



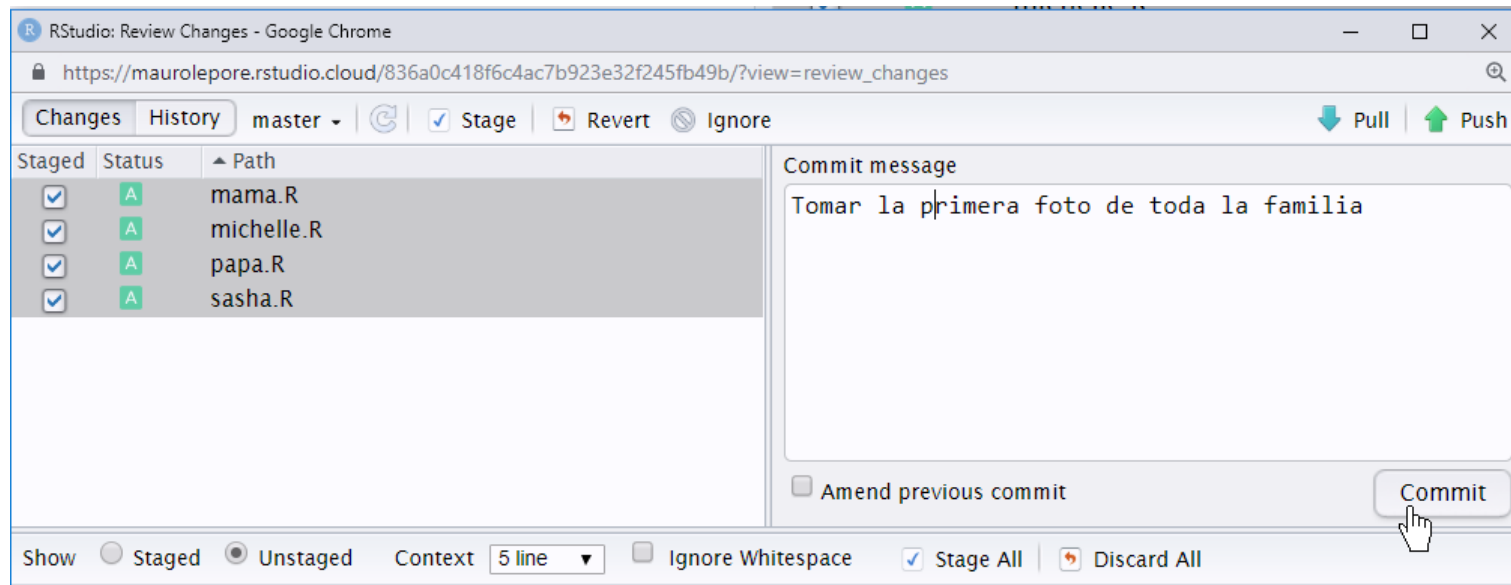
Que es un “commit”?



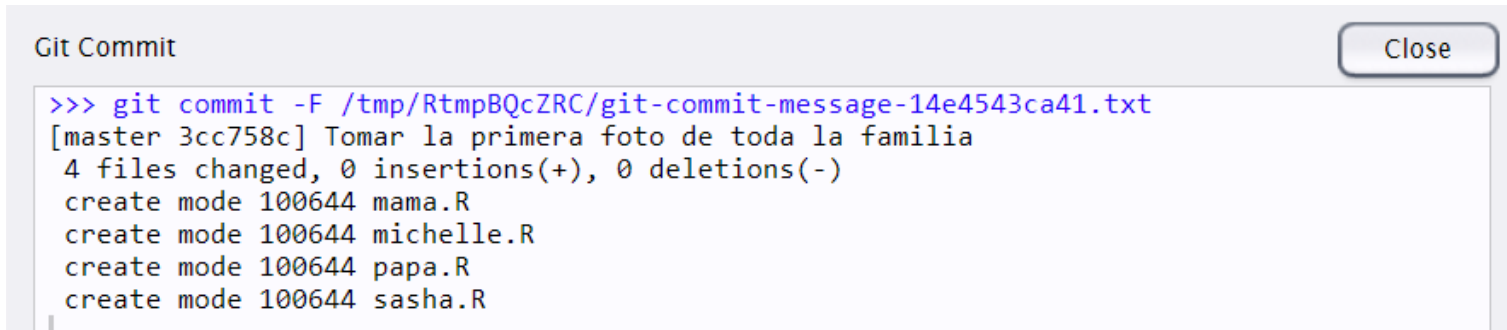
Que es un “commit”?



Que es un “commit”?

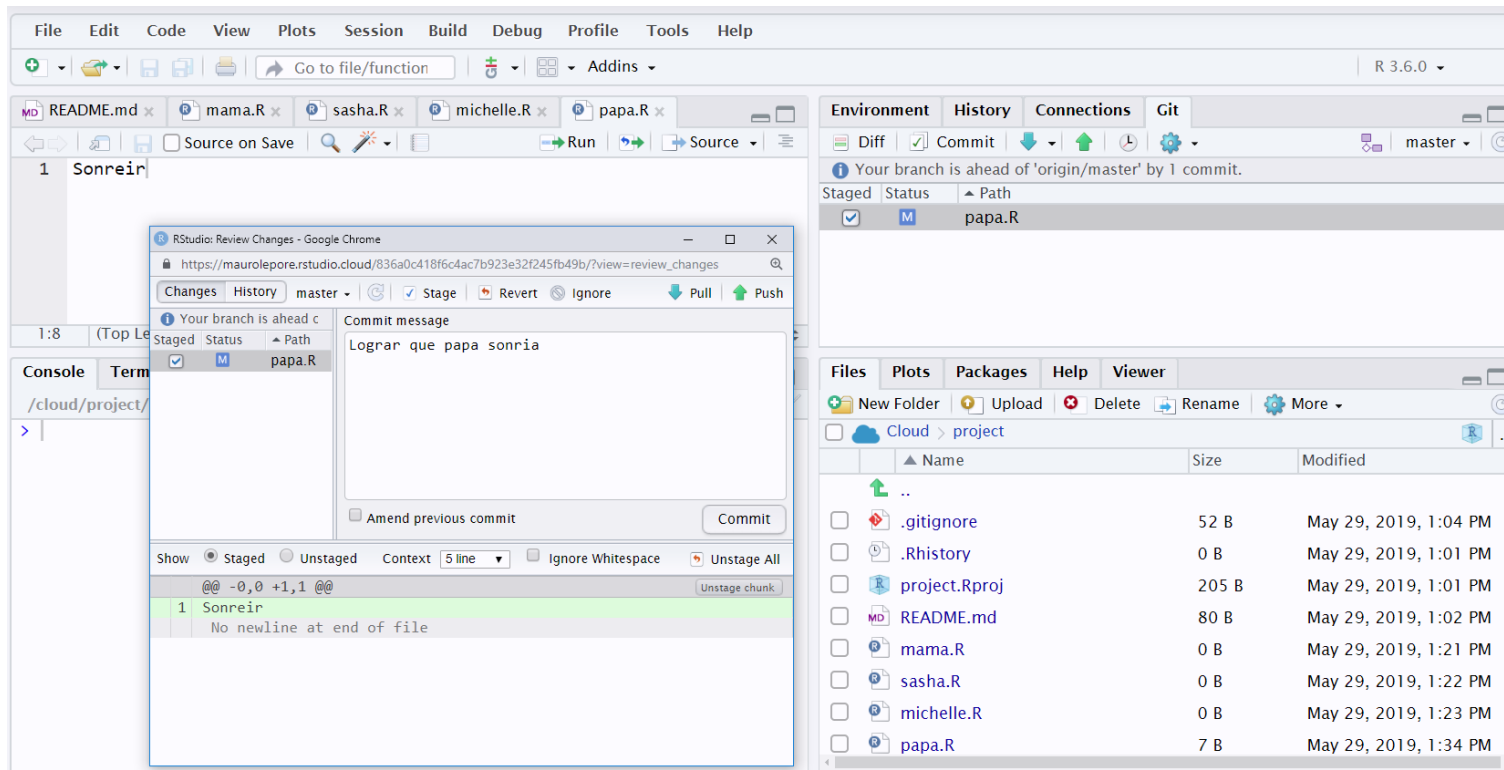


Que es un “commit”?

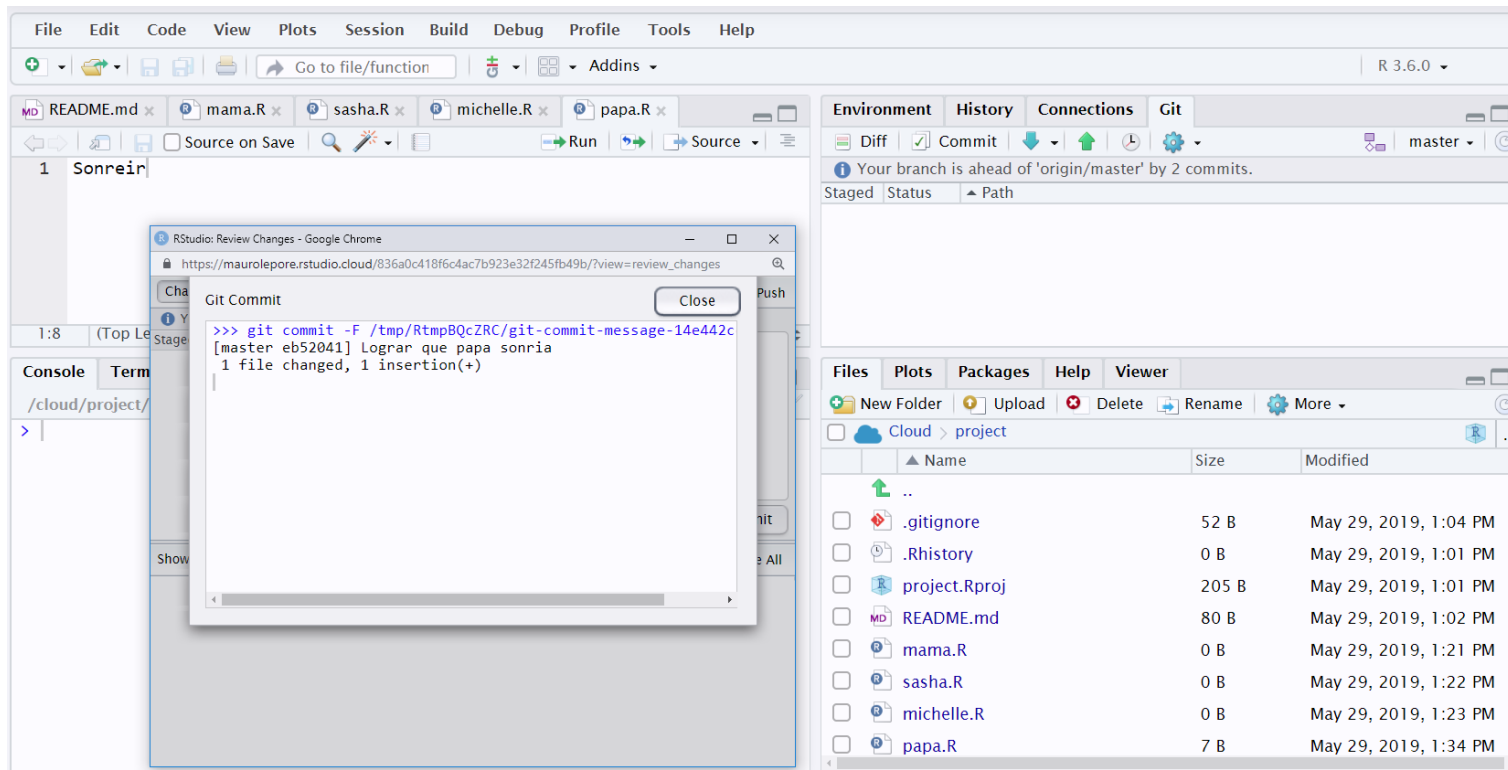
A screenshot of a terminal window titled "Git Commit" with a "Close" button in the top right corner. The terminal shows the output of a git commit command, including the commit message and a list of files that were added to the repository.

```
Git Commit Close  
>>> git commit -F /tmp/RtmpBQcZRC/git-commit-message-14e4543ca41.txt  
[master 3cc758c] Tomar la primera foto de toda la familia  
4 files changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 mama.R  
create mode 100644 michelle.R  
create mode 100644 papa.R  
create mode 100644 sasha.R
```

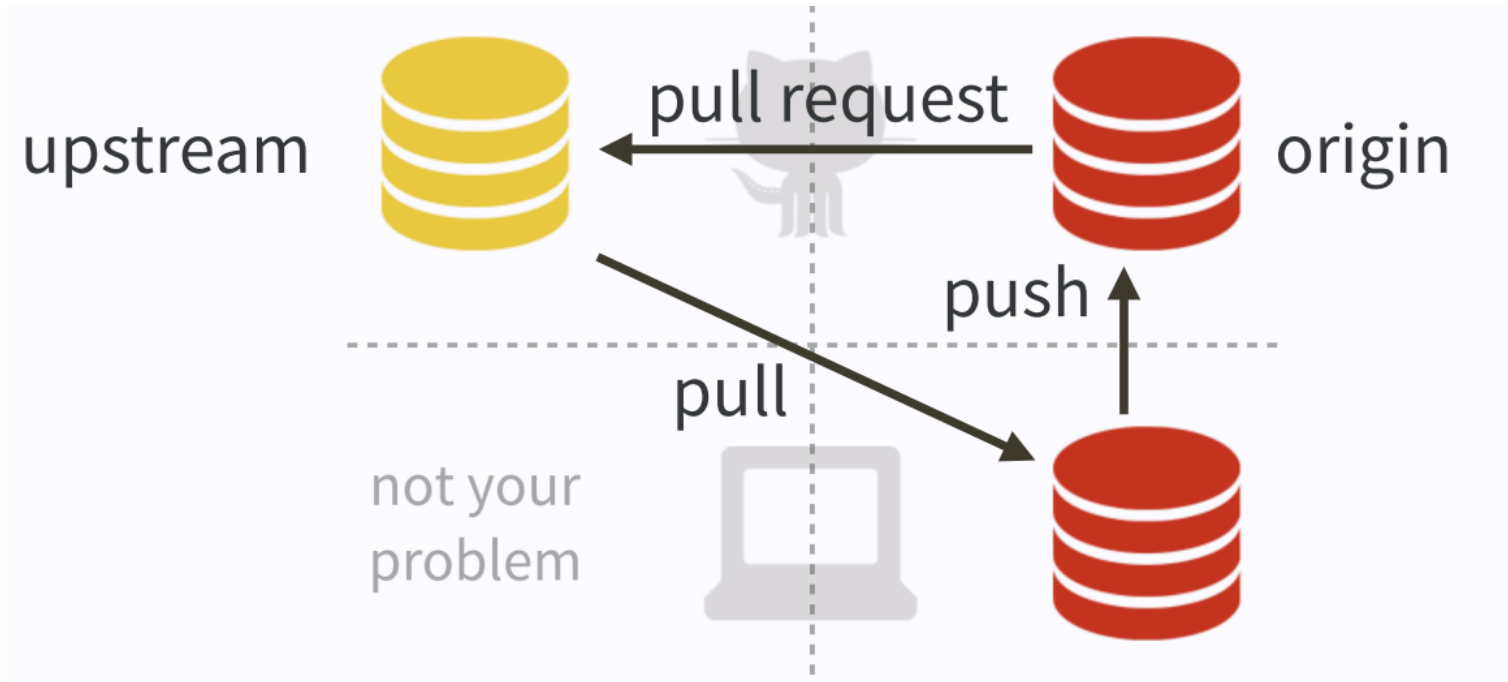
Que es un "commit"?



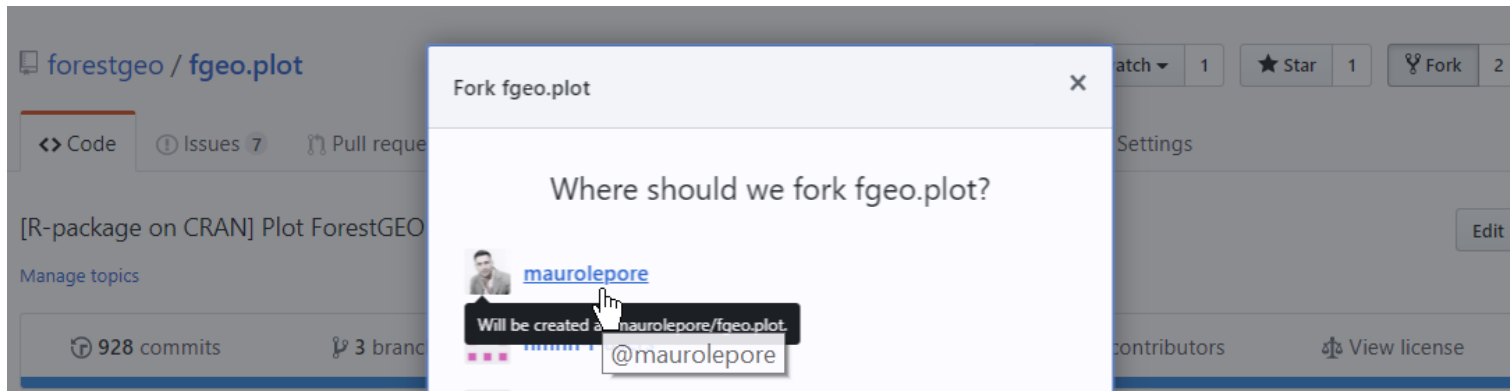
Que es un “commit”?



Camino Largo



Camino Largo: Bifurcar



Camino Largo: Clonar (GitHub)

The screenshot shows the GitHub repository page for **maurolepore / fgeo.plot**, which is a fork of **forestgeo/fgeo.plot**. The repository has 928 commits, 3 branches, 9 releases, and 3 contributors. The main branch is **master**. A modal dialog titled "Clone with SSH" is open, showing the SSH URL `git@github.com:maurolepore/fgeo.plot.git` and a "Use HTTPS" link. The dialog also includes a "Clone or download" button. The repository description is "[R-package on CRAN] Plot ForestGEO data" with a link to <https://forestgeo.github.io/fgeo.plot/>. The repository is managed by **maurolepore** and includes a `.buildignore` file. The repository is forked from **forestgeo/fgeo.plot**.

maurolepore / fgeo.plot
forked from forestgeo/fgeo.plot

Watch 0 Star 0 Fork 3

Code Pull requests 0 Projects 0 Wiki Security Insights Settings

[R-package on CRAN] Plot ForestGEO data <https://forestgeo.github.io/fgeo.plot/> Edit

Manage topics

928 commits 3 branches 9 releases 3 contributors View license

Branch: master New pull request Create new file Upload files Find File Clone or download

This branch is even with forestgeo:master.

maurolepore Simplify news

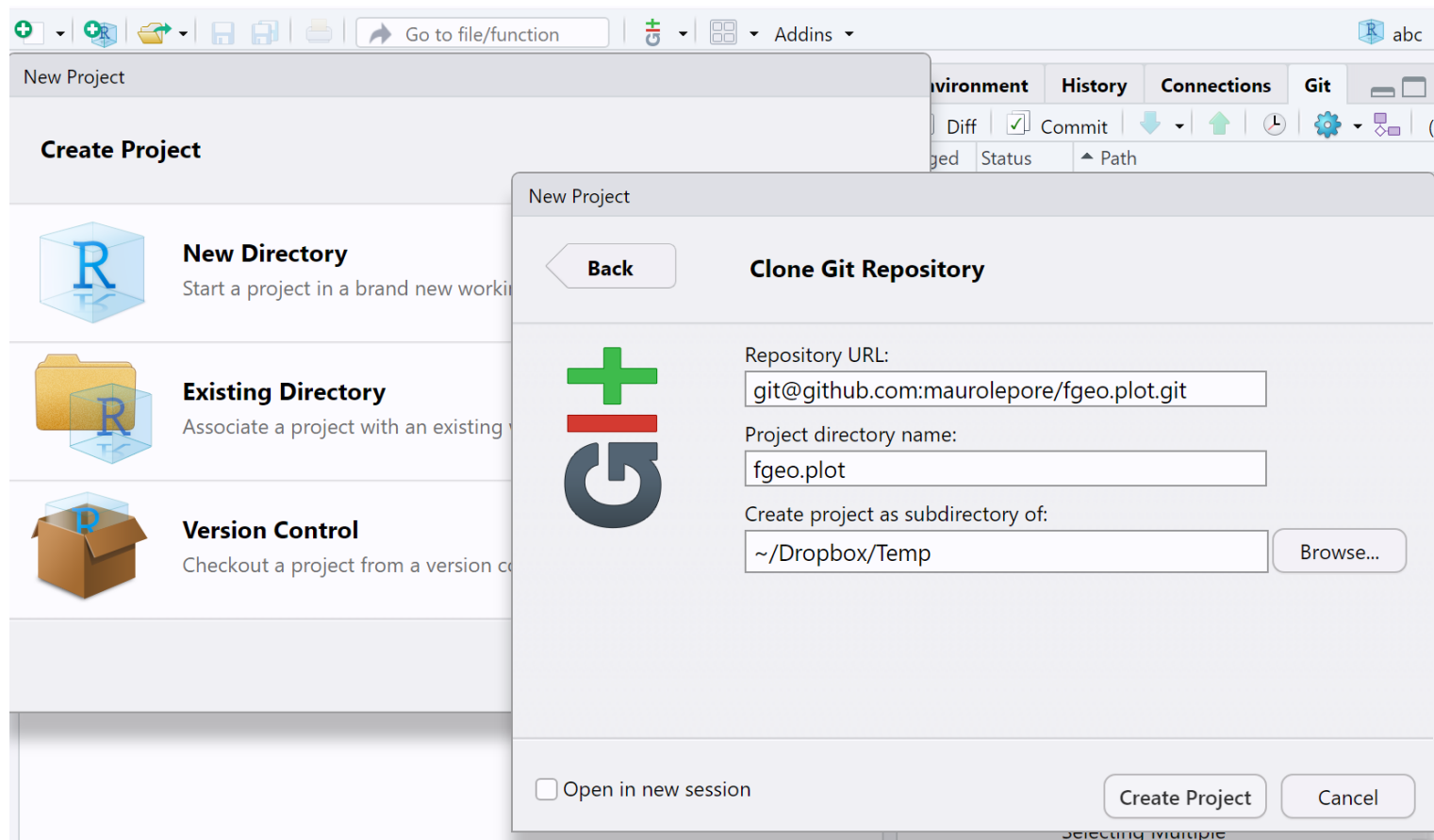
.buildignore Update jobs

Clone with SSH ? Use HTTPS

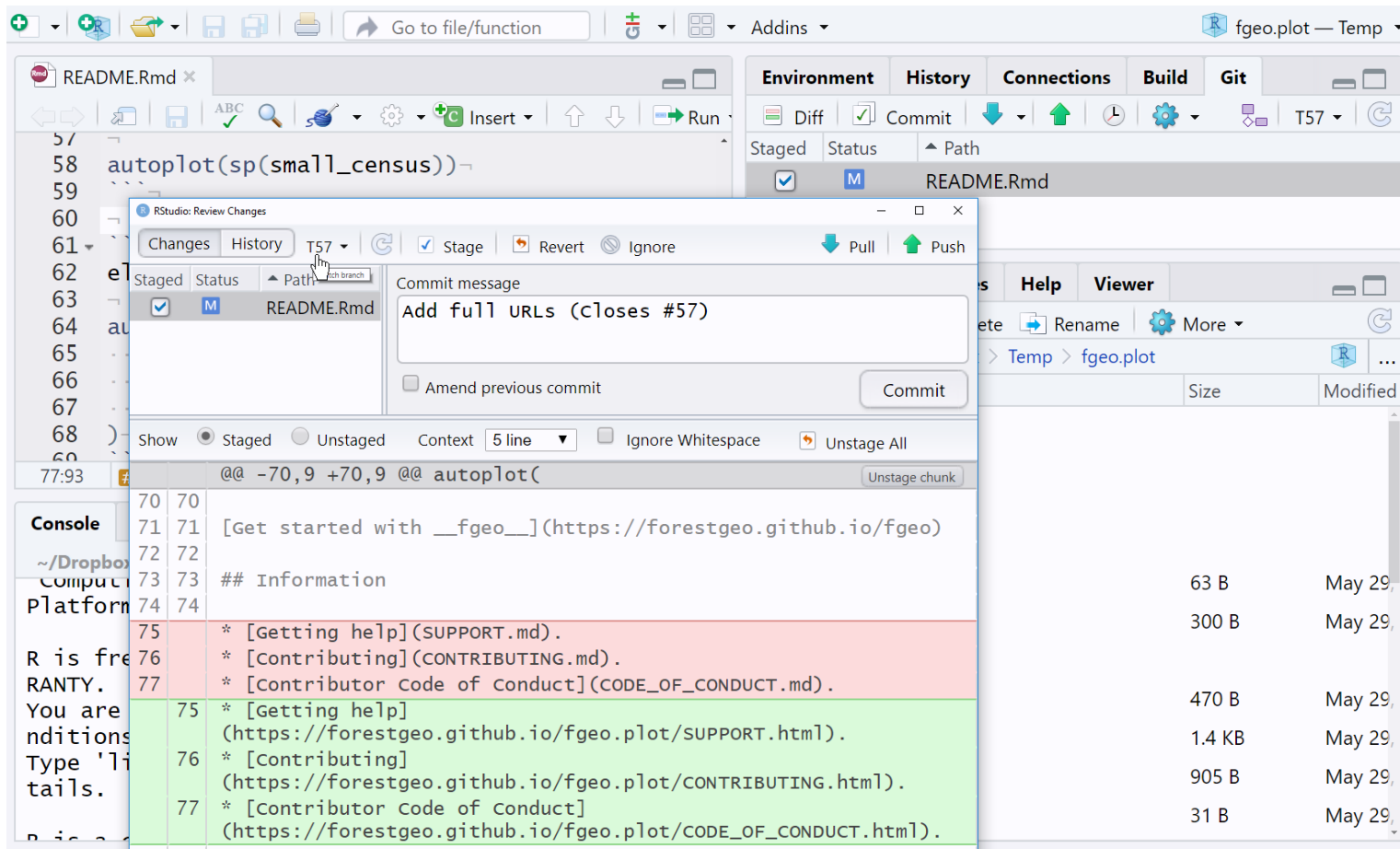
Use an SSH key and passphrase from account.

git@github.com:maurolepore/fgeo.plot.git

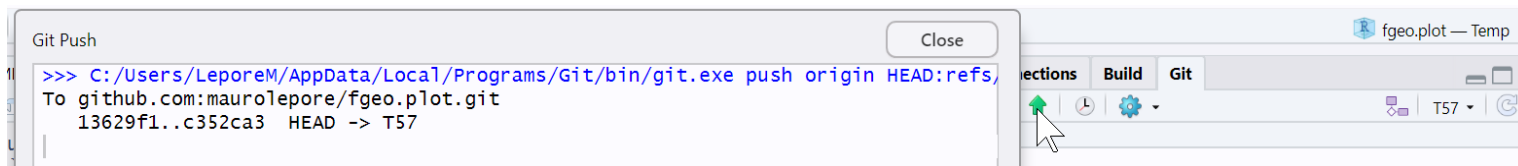
Camino Largo: Clonar (RStudio)



Camino Largo: Trabajar en un tiquete



Camino Largo: Hacer “Push”



Camino Largo: Solicitar fusión

forestgeo / fgeo.plot

Unwatch 1 Star 1 Fork 3

Code Issues 7 Pull requests 1 Projects 0 Wiki Security Insights Settings

[R-package on CRAN] Plot ForestGEO data <https://forestgeo.github.io/fgeo.plot/> Edit

Manage topics

928 commits 3 branches 9 releases 1 environment 3 contributors View license

Your recently pushed branches:

maurolepore:T57 (2 minutes ago) Compare & pull request

Demostrar

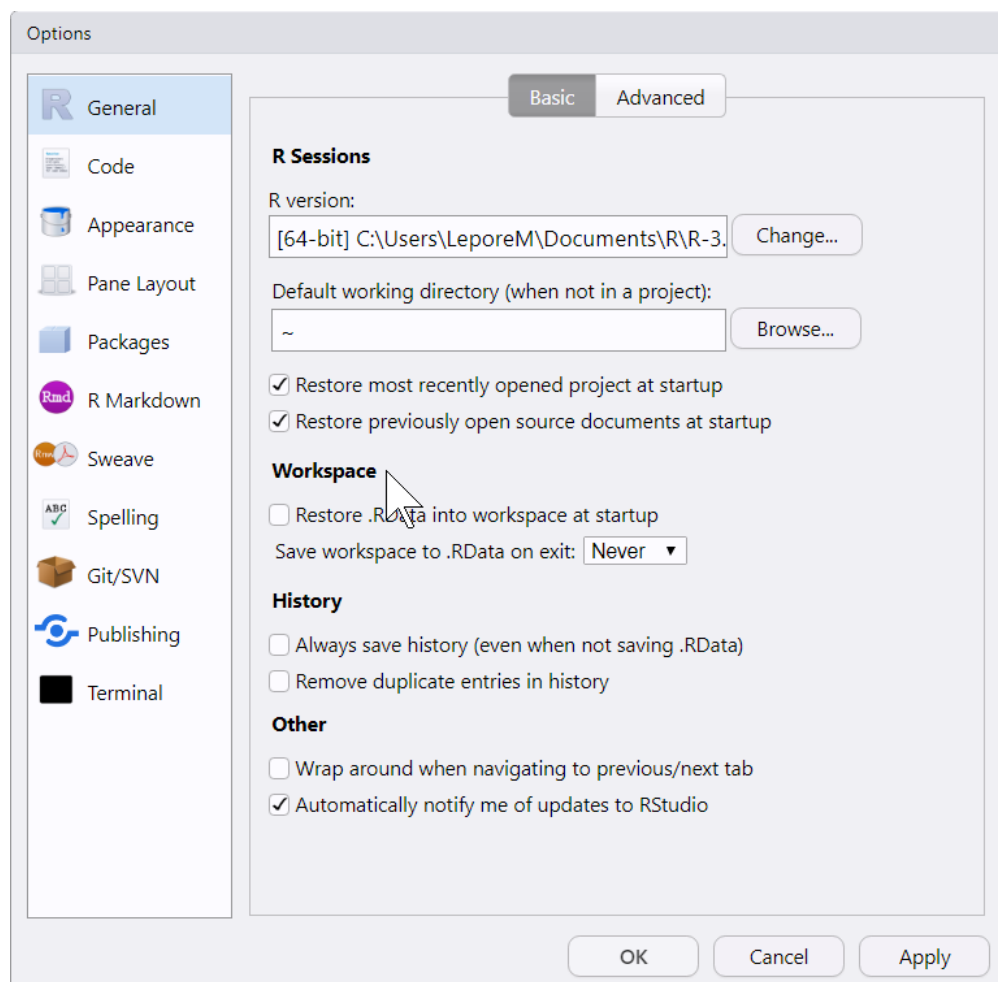
Camino Largo

Camino Largo

1. Clonar localmente
2. Clonar en rstudio.cloud

Configuración

Tools > Global options... Workspace



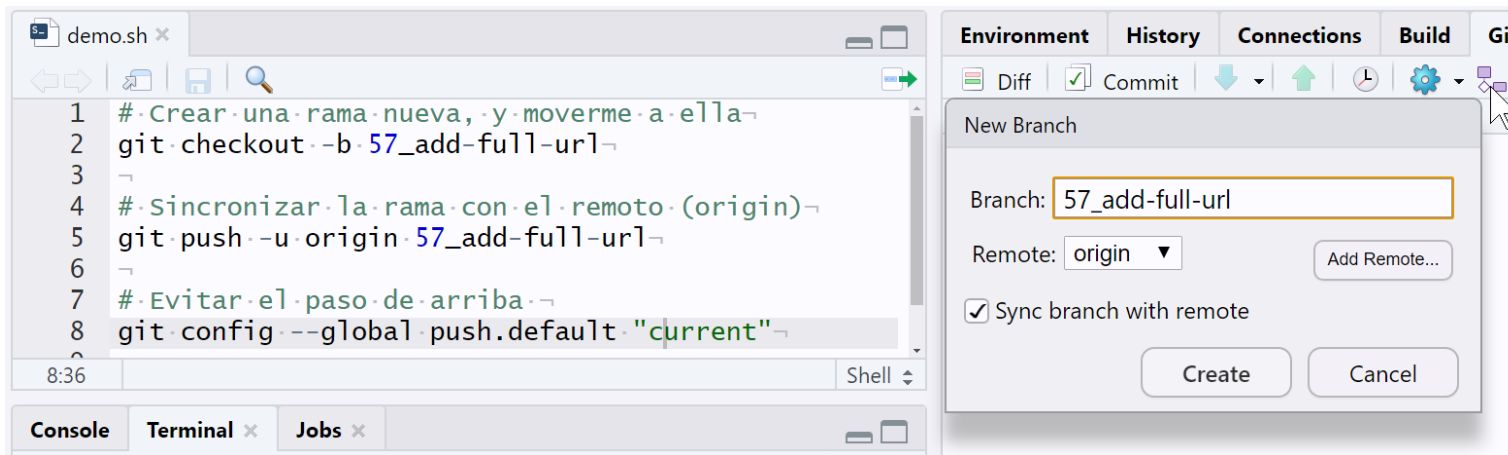
Hola Git, soy Mauro



```
git config --global user.email "maurolepore@gmail.com"
git config --global user.name "maurolepore"
```

Terminal versus RStudio

Crear/checkear/sincronizar una rama



```
git checkout -b 57_add-full-url
```

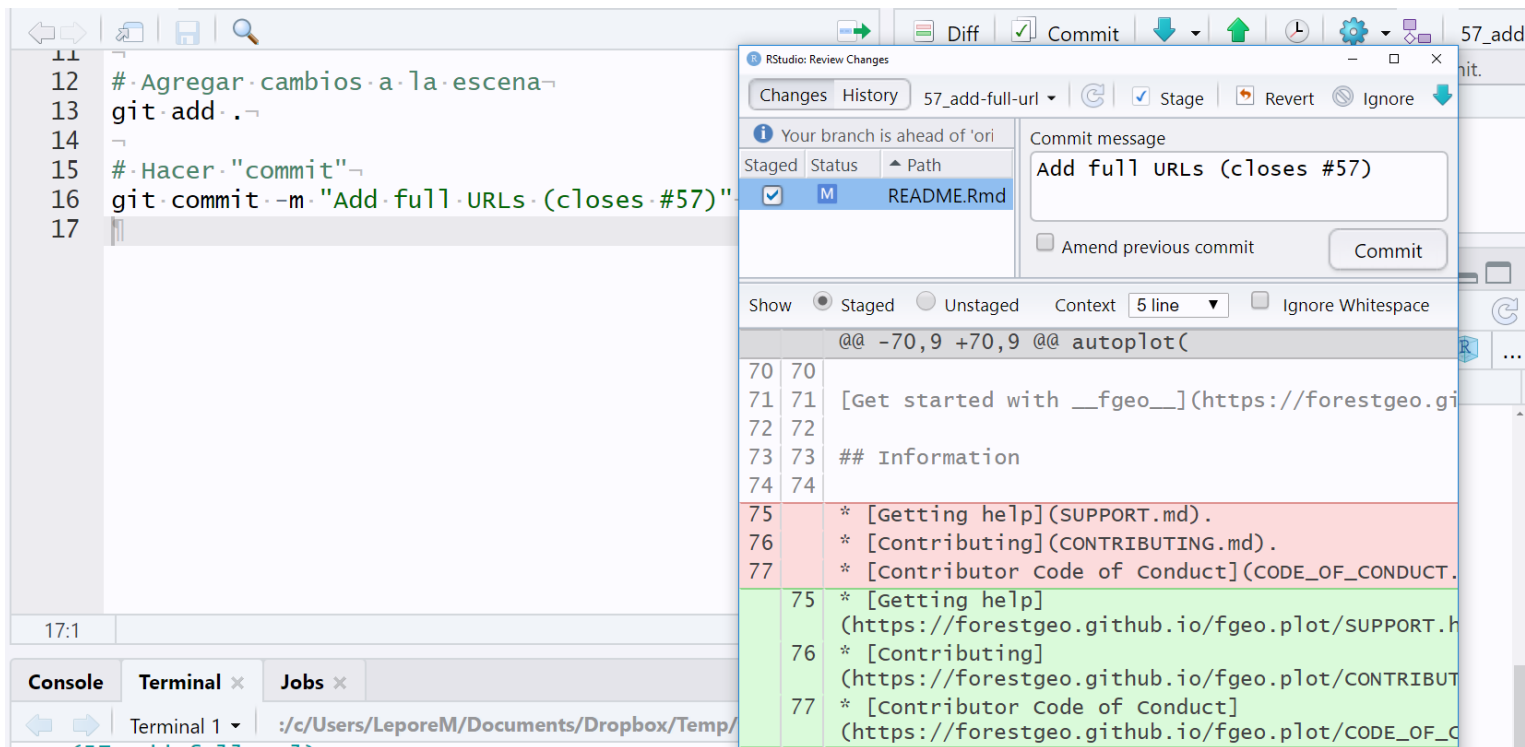
```
git push -u origin 57_add-full-url
```

Mejor aún:

```
git config --global push.default "current"
```

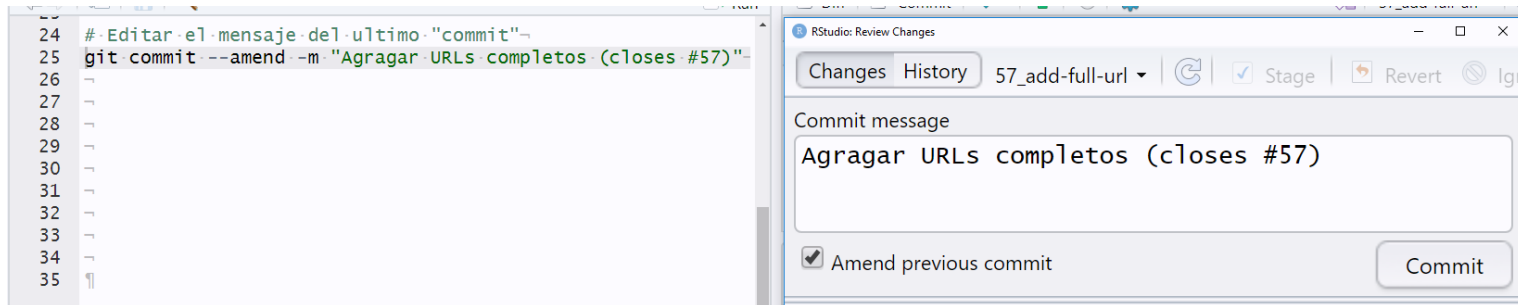
```
git push
```

Hacer "commit"



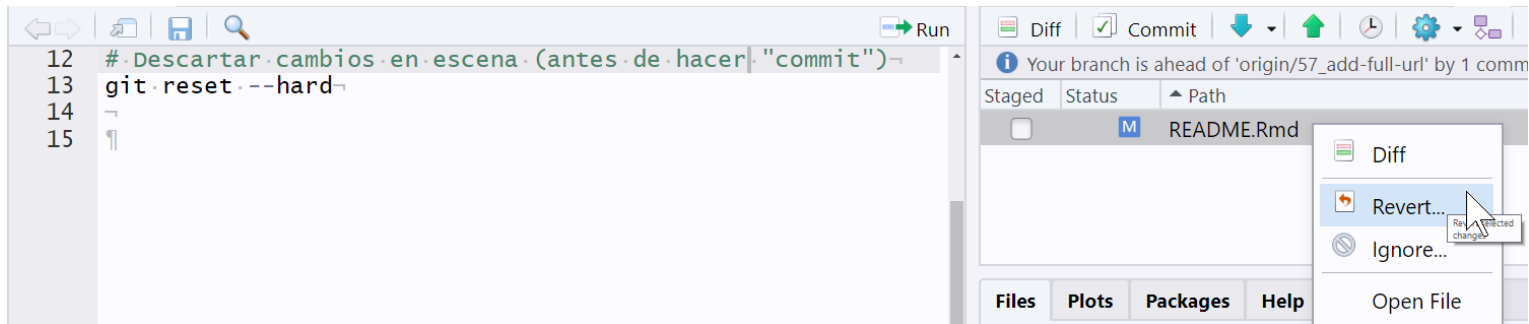
```
git add .  
git commit -m "Add full URLs (closes #57)"
```


Editar el mensaje del ultimo "commit"



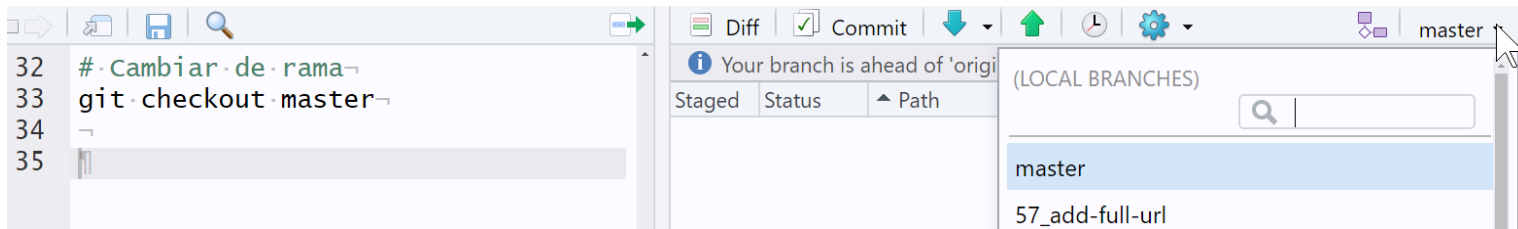
```
git commit --amend -m "Agregar URLs completos (closes #57)"
```

Descartar cambios en escena



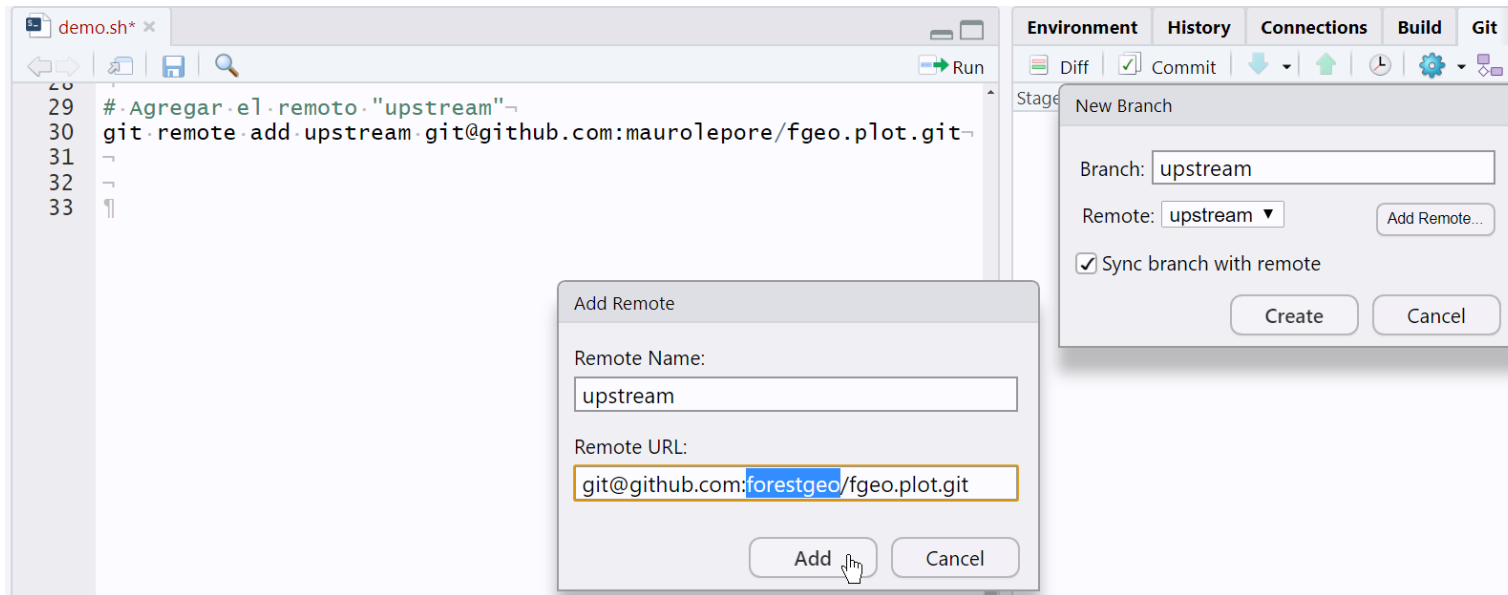
```
git reset --hard
```

Cambiar de rama



git checkout master

Agregar el remoto "upstream"



Agregar el remoto "upstream"

```
git remote add upstream git@github.com:maurolepore/fgeo.plot.git
```

Solo en la terminal

Actualizar contra el repositorio original

```
git fetch upstream  
git checkout master  
git rebase upstream/master
```

Lo que yo realmente hago esta explicado en
<https://www.atlassian.com/git/tutorials/comparing-workflows/feature-branch-workflow>

Deshacer “commits”; guardar cambios

```
# ~1 deshace ultimo "commit"  
# ~2 deshace ultimos 2 "commits"  
# ~n deshace ultimos n "commits"  
git reset HEAD~1
```

Contrarrestar un “commit”

~1 contrarresta el ultimo "commit"
--no-edit escribe un mensaje automatico
`git revert HEAD~1 --no-edit`

Contrarresta el "commit" con SHA a867f483
`git revert a867f483 --no-edit`

Manipular la historia interactivamente

~3 manipular la historia de los ultimos 3 "commits"

`git rebase -i HEAD~3`

`# Commands:`

`# p, pick = use commit`

`# e, edit = use commit, but stop for amending`

`# s, squash = use commit, but meld into previous commit`

`# ...`

`#`

`# These lines can be re-ordered; they are executed from top to bottom.`

`#`

`# If you remove a line here THAT COMMIT WILL BE LOST.`

(Traducción en la siguiente pagina)

<https://about.gitlab.com/2018/06/07/keeping-git-commit-history-clean/>

Manipular la historia interactivamente

- Abortar y dejar todo tal como estaba

```
git rebase --abort
```

- s: Colapsar dos o mas “commits” contiguos
- e: Editar el mensaje del “commit”

```
git commit --amend -m "Editar mensaje"
```

```
git rebase --continue
```

- Re-ordenar linear para re-ordenar “commits”
- Borrar una linea para eliminar un “commit” (CUIDADO!)

Instalación

Ver [Pre-workshop set-up](#) (Ingles)

Preguntas

Mauro Lepore

<http://bit.ly/git-comun>