



# Paginas web con Github

Ana Beatriz Villaseñor-Altamirano

[aaltamirano@liigh.unam.mx](mailto:aaltamirano@liigh.unam.mx)

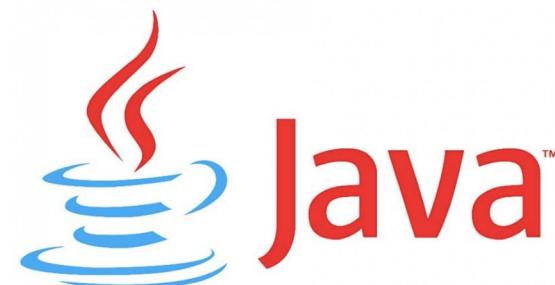
@AnaBetty2304

# Páginas web

**HTML**



**CSS**



JavaScript

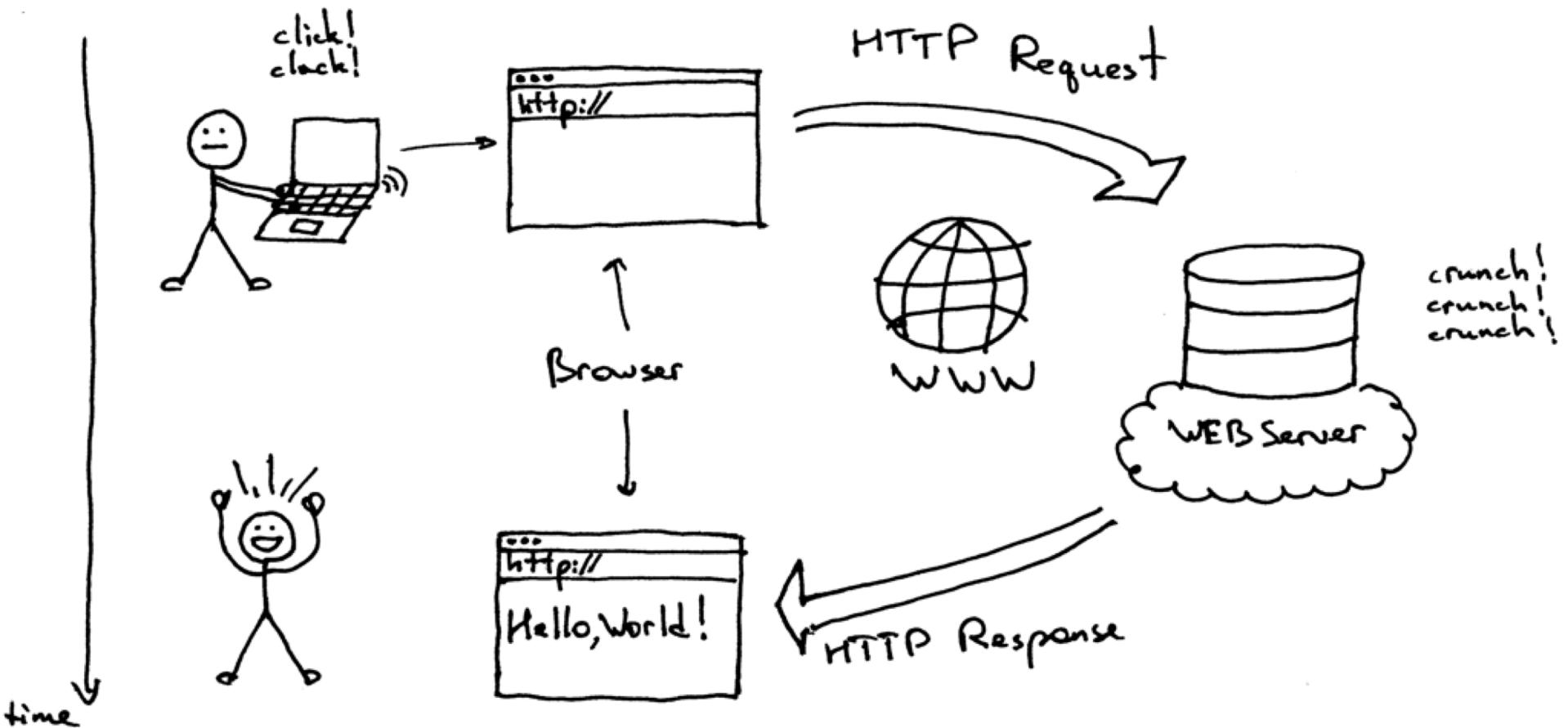
# Páginas web

```
<!DOCTYPE html>
<html>
<body>

<h1>Hola</h1>
<p>Mi nombre es Ana B.</p>

</body>
</html>
```

# Páginas web



# Recursos útiles

<https://resources.github.com/whitepapers/github-and-rstudio/>

[https://www.emilyzabor.com/tutorials/rmarkdown\\_websites\\_tutorial.html](https://www.emilyzabor.com/tutorials/rmarkdown_websites_tutorial.html)

<https://pages.github.com/>

# Requisitos

- Cuenta en Github
- Tener instalado Github
- Tener instalado RStudio



# Requisitos

- Instalar Github

Linux: sudo apt install git-all

Mac: brew install git

- Checar instalación: git --version



# 1. Crear un repositorio

Crear un repositorio nuevo



La página podrá verse usando la siguiente dirección:

`http(s)://<username>.github.io/<projectname>`

`http(s)://<orgname>.github.io/<projectname>`

Para que la pagina sea la “principal” (e.i. <https://anabva.github.io/>), es necesario nombrar el repositorio de la siguiente manera:

`<username>.github.io`

`<orgname>.github.io`

# 1. Crear un repositorio

Crear un repositorio nuevo



La página podrá verse usando la siguiente dirección:

`http(s)://<username>.github.io/<projectname>`

`http(s)://<orgname>.github.io/<projectname>`

Para que la pagina sea la “principal” (e.i. <https://anabva.github.io/>), es necesario nombrar el repositorio de la siguiente manera:

`<username>.github.io`

`<orgname>.github.io`

# 1. Crear un repositorio

Crear un repositorio nuevo



La página podrá verse usando la siguiente dirección:

`http(s)://<username>.github.io/<projectname>`

`http(s)://<orgname>.github.io/<projectname>`

Para que la pagina sea la “principal” (e.i. <https://anabva.github.io/>), es necesario nombrar el repositorio de la siguiente manera:

`<username>.github.io`

`<orgname>.github.io`

# 1. Crear un repositorio

## Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#).



Owner

Repository name \*

RladiesQro ▾ / RladiesQro.github.io ✓

Great repository names are short and memorable. Need inspiration? How about [literate-adventure](#)?

Description (optional)

Página de github para Rladies

Public

Anyone can see this repository. You choose who can commit.

Private

Your current plan does not support private repositories. [Upgrade to Team](#)

Skip this step if you're importing an existing repository.

**Initialize this repository with a README**

This will let you immediately clone the repository to your computer.

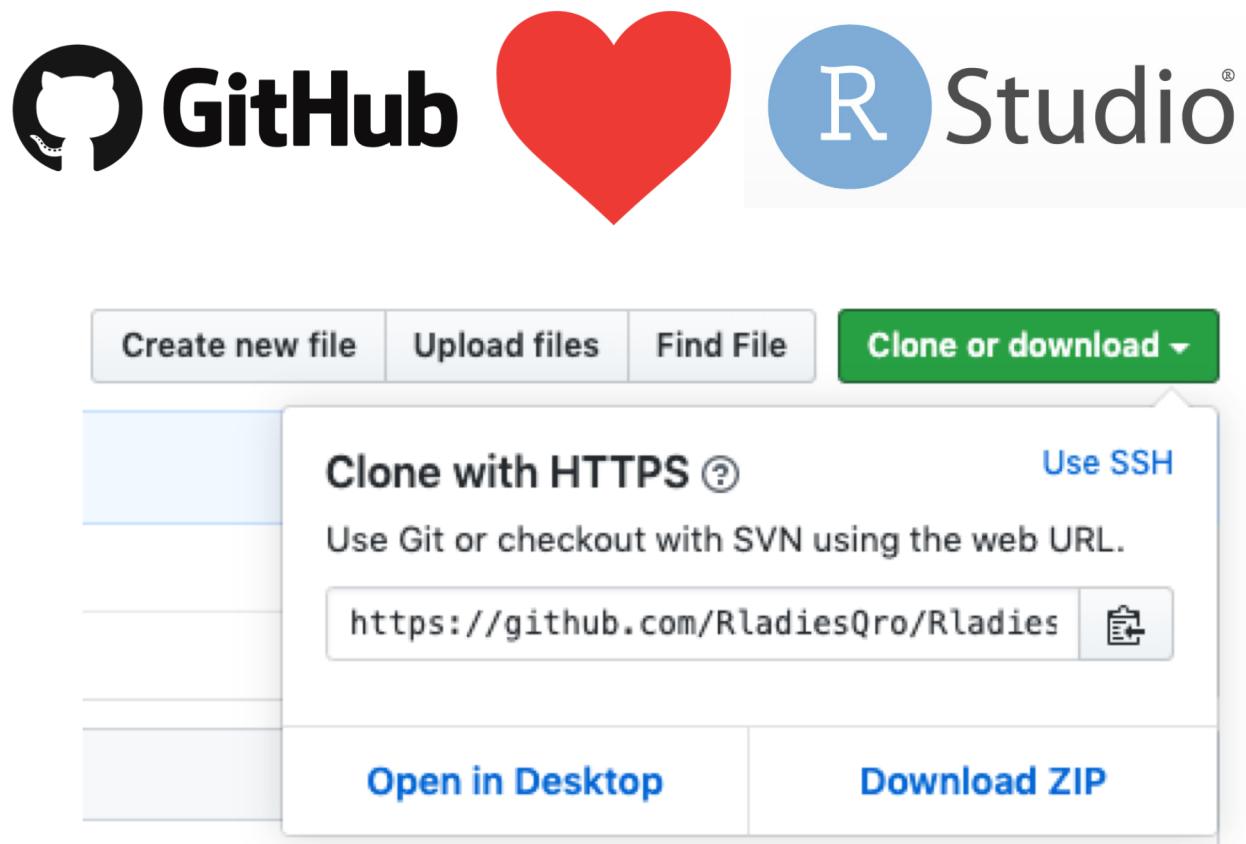
Add .gitignore: R ▾

Add a license: None ▾

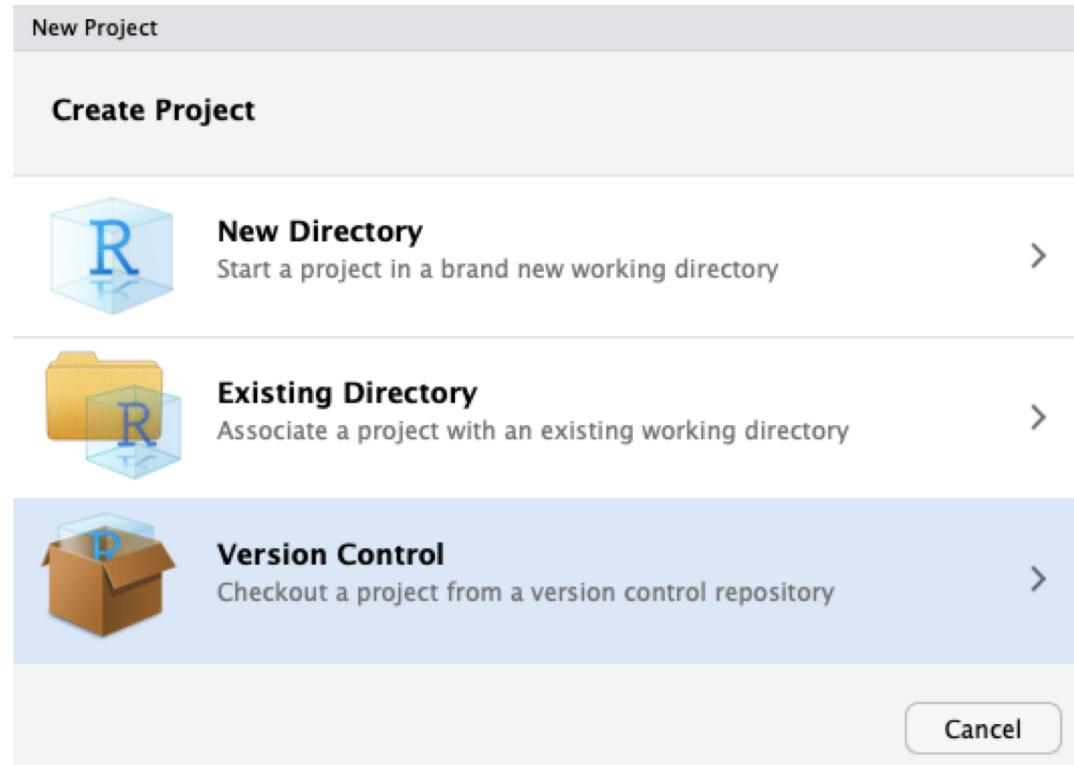


**Create repository**

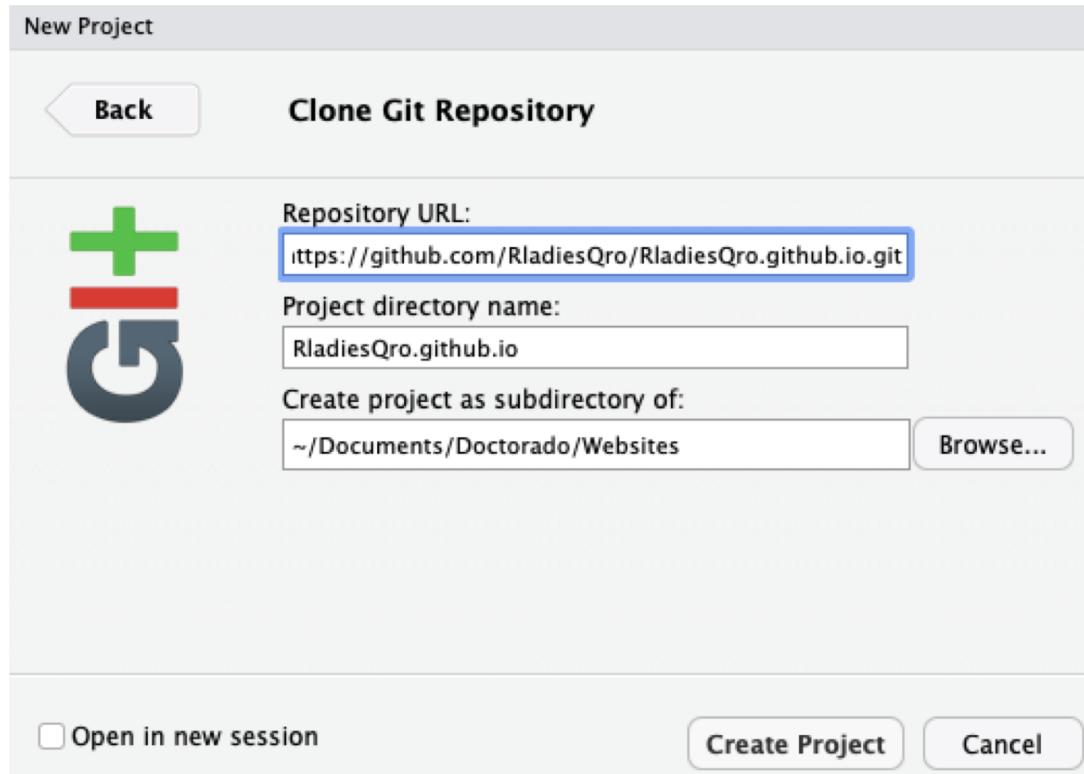
# 2. Clonar el repositorio en RStudio



# 2. Clonar el repositorio en RStudio



# 2. Clonar el repositorio en RStudio



# Requisitos mínimos para crear un Rmarkdown web

- `Index.Rmd` : tiene el contenido del sitio web
- `_site.yml` : tiene la meta-information para el sitio web

Index.Rmd

```
---
```

```
title: "Home"
```

```
---
```

```
Hello, Website! Welcome to
```

```
RladiesQro space
```

\_site.yml

```
name: "my-website"
```

```
navbar:
```

```
  title: "My Website"
```

```
  left:
```

```
    - text: "Home"
```

```
      href: index.html
```

# 3. Crear Rmarkdown website

## Index.Rmd

The screenshot shows the RStudio interface with the following components:

- Top Bar:** Shows the path `~/Documents/Doctorado/Websites/RladiesQro.github.io - master - RStudio` and the GitHub repository `RladiesQro.github.io`.
- Left Panel:** Displays two files: `index.Rmd` and `_site.yml`. The `index.Rmd` file contains the following R Markdown code:

```
1 ---  
2 title: "Home"  
3 ---  
4  
5 Hello, Website! Welcome to RladiesQro space  
6
```
- Right Panel:** Shows the GitHub interface for the repository. It indicates that the local branch is ahead of 'origin/master' by 1 commit. The staged changes show `_site.yml` and `index.Rmd` as new files.
- Bottom Left Panel:** The R Console output shows the R environment and license information:

```
R version 3.6.0 (2019-04-26) -- "Planting of a Tree"  
Copyright (C) 2019 The R Foundation for Statistical Computing  
Platform: x86_64-apple-darwin15.6.0 (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.
```
- Bottom Right Panel:** The GitHub file browser shows the contents of the repository, including `.gitignore`, `README.md`, `RladiesQro.github.io.Rproj`, `index.Rmd`, and `_site.yml`.

# 3. Crear Rmarkdowm website

## \_site.yml

The screenshot shows the RStudio interface with the following components:

- File Explorer:** Shows files: \_site.yml (staged), index.Rmd (staged).
- Console:** Displays R version 3.6.0 startup message.
- Code Editor:** Shows the contents of \_site.yml:1 name: "my-website"
2 navbar:
3 title: "My Website"
4 left:
5 - text: "Home"
6 href: index.html
7
- Git Panel:** Shows a commit message: "Your branch is ahead of 'origin/master' by 1 commit." and a staged file list: \_site.yml, index.Rmd.
- File Browser:** Shows the directory structure: /Doctorado/Websites/RladiesQro.github.io.

# 4. Renderizar



`rmarkdown::render_site()`



# 4. Renderizar

~/Documents/Doctorado/Websites/RladiesQro.github.io - master - RStudio

RladiesQro.github.io

\_site.yml x index.Rmd x

Knit Addins

1 ---  
2 title: "Home"  
3 ---  
4  
5 name: "my-website"  
6 navbar:  
7 title: "My Website"  
8 left:  
9 - text: "Home"  
10 href: index.html  
11

Environment History Connections Build Git

Files Plots Packages Help Viewer

Home

name: "my-website" navbar: title: "My Website" left: - text: "Home" href: index.html

10:23 (Top Level) R Markdown

Console Terminal R Markdown

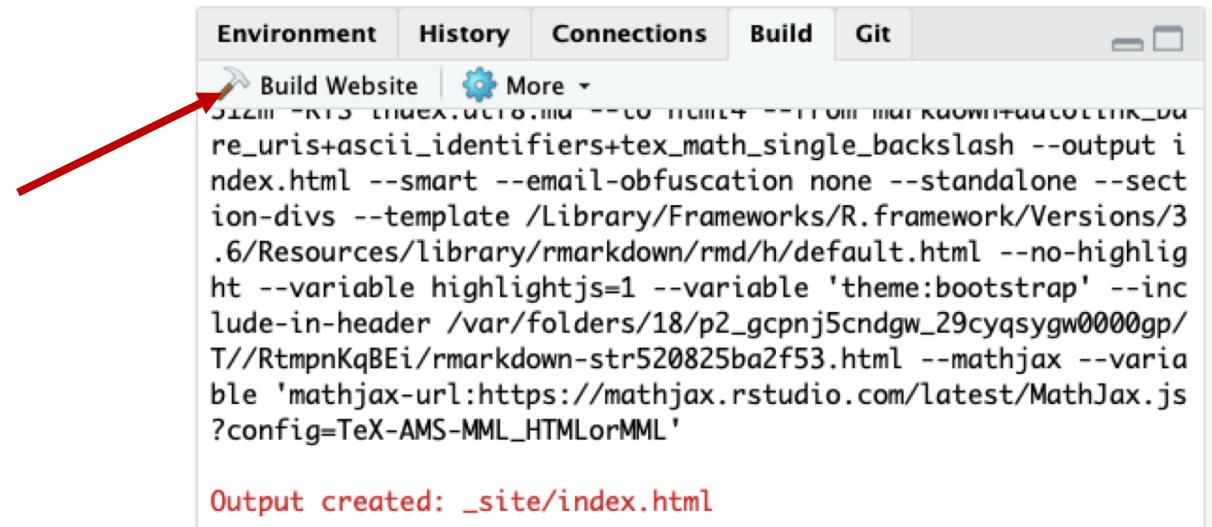
~/Documents/Doctorado/Websites/RladiesQro.github.io/

```
/Applications/RStudio.app/Contents/MacOS/pandoc +RTS -K512m -RTS index.utf8.md --to html4 --from markdown+autolink_bare_uris+ascii_identifiers+tex_math_single_backslash --output index.html --smart --email-obfuscation none --standalone --section-divs --template /Library/Frameworks/R.framework/Versions/3.6/Resources/library/rmarkdown/rmd/h/default.html --no-highlight --variable highlightjs=1 --variable 'theme:bootstrap' --include-in-header /var/folders/18/p2_gcpnj5cndgw_29cyqsygw0000gp/T//RtmpUNA1eG/rmarkdown-str4d871f03ea1a.html --mathjax --variable 'mathjax-url:https://mathjax.rstudio.com/latest/MathJax.js?config=TeX-AMS-MML_HTMLorMML'
```

Output created: \_site/index.html  
> |

# 4. Renderizar

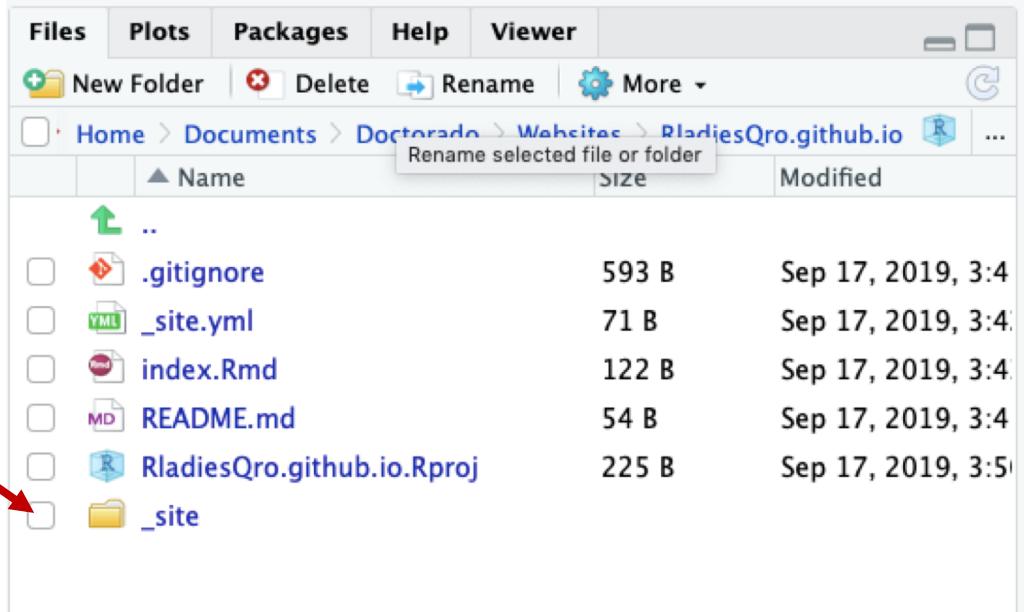
Renderiza todas los .rmd



```
Build Website | More >
re_uris+ascii_identifiers+tex_math_single_backslash --output index.html --smart --email-obfuscation none --standalone --section-divs --template /Library/Frameworks/R.framework/Versions/3.6/Resources/library/rmarkdown/rmd/h/default.html --no-highlight --variable highlightjs=1 --variable 'theme:bootstrap' --include-in-header /var/folders/18/p2_gcpnj5cndgw_29cyqsygw0000gp/T//RtmpnKqBEi/rmarkdown-str520825ba2f53.html --mathjax --variable 'mathjax-url:https://mathjax.rstudio.com/latest/MathJax.js?config=TeX-AMS-MML_HTMLorMML'
```

Output created: \_site/index.html

Se crea la carpeta \_site



|  | Name                       | Size  | Modified          |
|--|----------------------------|-------|-------------------|
|  | ..                         |       | Sep 17, 2019, 3:4 |
|  | .gitignore                 | 593 B | Sep 17, 2019, 3:4 |
|  | _site.yml                  | 71 B  | Sep 17, 2019, 3:4 |
|  | index.Rmd                  | 122 B | Sep 17, 2019, 3:4 |
|  | README.md                  | 54 B  | Sep 17, 2019, 3:4 |
|  | RladiesQro.github.io.Rproj | 225 B | Sep 17, 2019, 3:5 |
|  | _site                      |       |                   |

# Cambiar el output\_dir

The screenshot shows the RStudio interface with the following components:

- Code Editor:** Displays the `_site.yml` file content:

```
1 name: "my-website"
2 output_dir: .
3 navbar:
4   title: "My Website"
5   left:
6     - text: "Home"
7       href: index.html
```

A red arrow points to the `output_dir: .` line.
- Console:** Shows the command `rmarkdown::render("index.Rmd")` being run, followed by error messages about NA values and coercion, and finally "Execution halted".
- File Explorer:** Shows the directory structure under `RladiesQro.github.io`, including files like `.gitignore`, `_site.yml`, `index.Rmd`, `README.md`, `RladiesQro.github.io.Rproj`, `_site`, `site_libs`, and `index.html`. A red arrow points to the `index.html` file.
- Git Panel:** Shows the GitHub repository `RladiesQro.github.io` with a commit history and a master branch.

# Añadir una figura

## Index.Rmd

---

title: "R-Ladies Queretaro"

---



Hello, Website! Welcome to RladiesQro space se cambia

# Añadir una figura

## Index.Rmd

My Website

Home

## R-Ladies Queretaro



Hello, Website! Welcome to RladiesQro space se cambia