



LIIGH UNAM

# Paginas web con Github

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# Páginas web

**HTML**



**CSS**

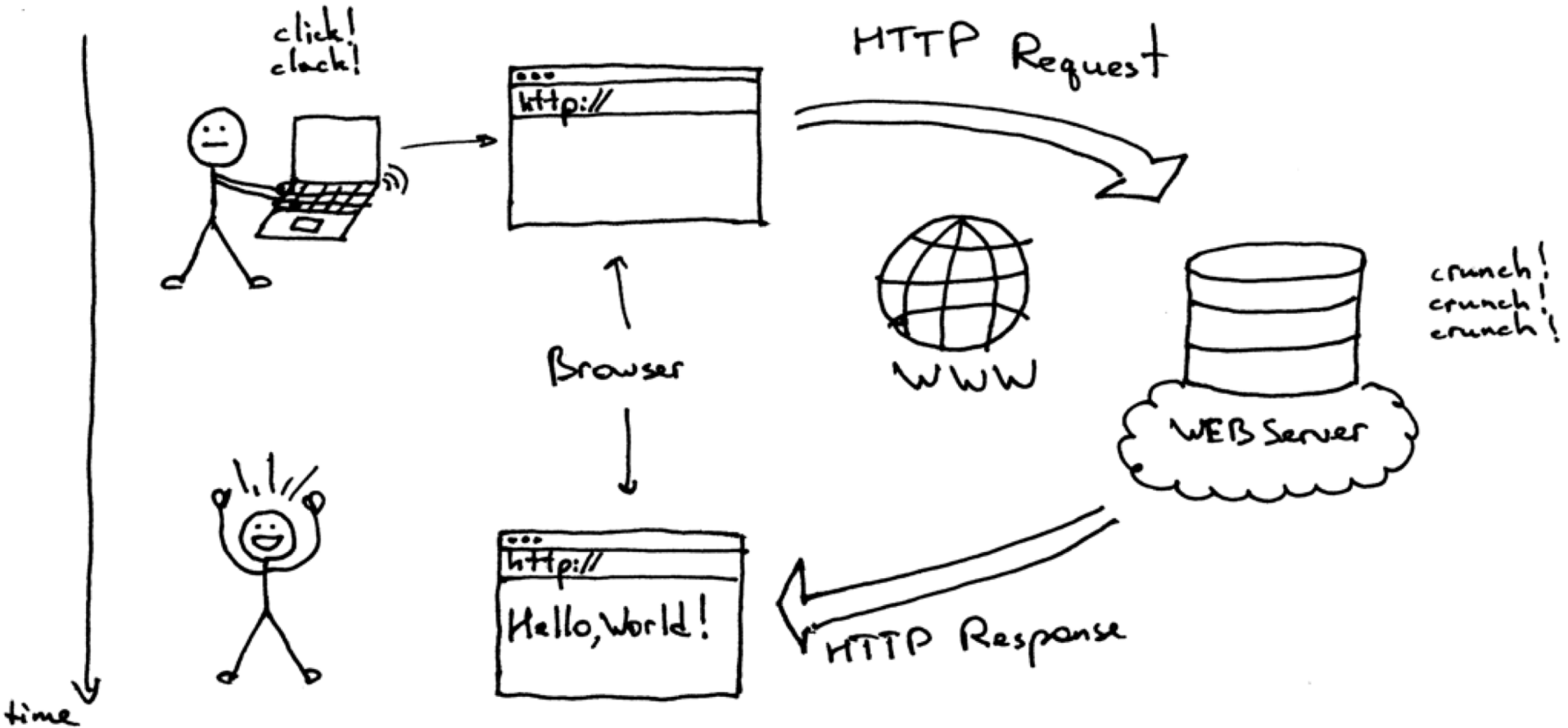


JavaScript

# 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

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`<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](#)

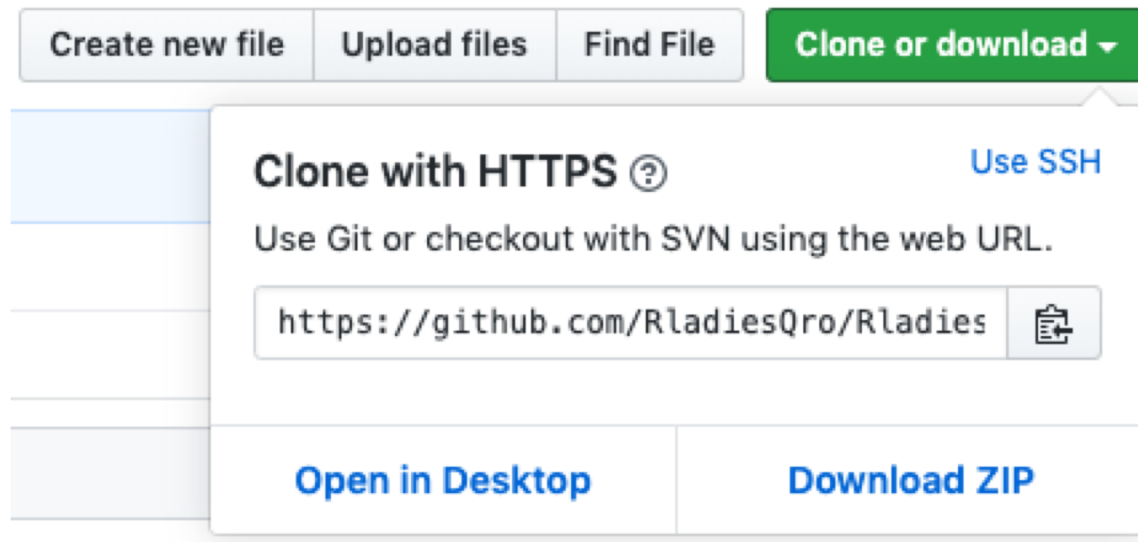
Skip this step if you're importing an existing repository.

☒ **Initialize this repository with a README**  
This will let you immediately clone the repository to your computer.

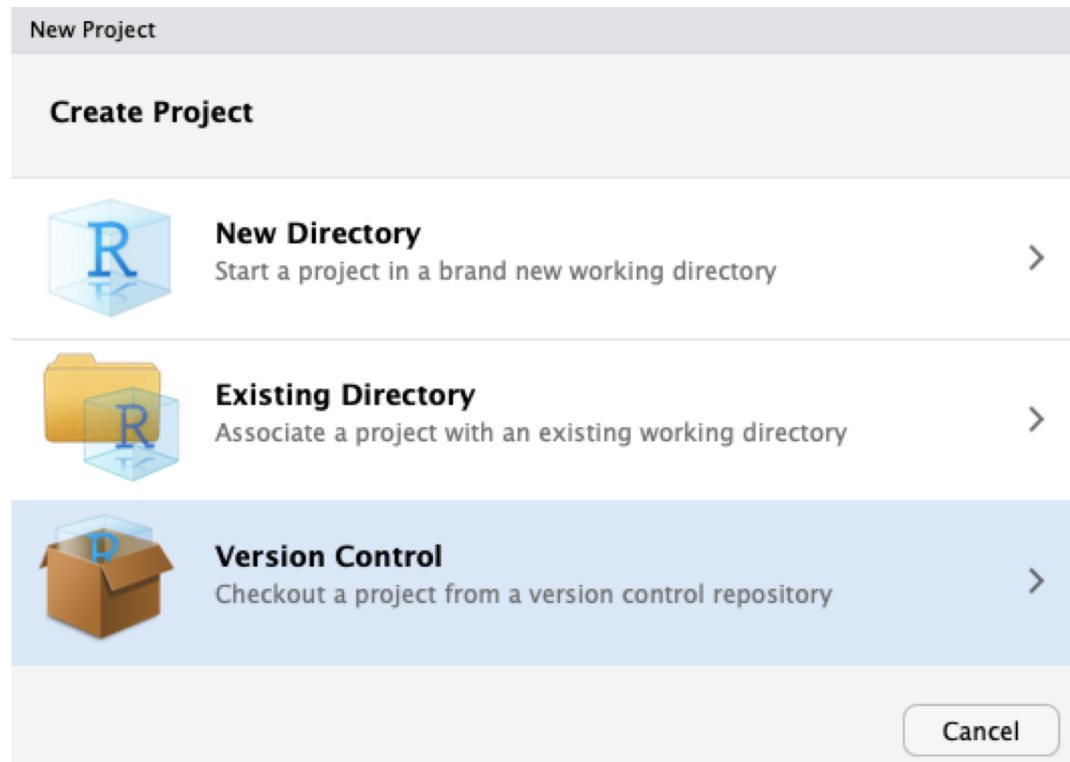
Add .gitignore: R ▾ | Add a license: None ▾ ⓘ

Create repository

## 2. Clonar el repositorio en RStudio



## 2. Clonar el repositorio en RStudio



## 2. Clonar el repositorio en RStudio

New Project

[Back](#) **Clone Git Repository**



Repository URL:

Project directory name:

Create project as subdirectory of:  
 [Browse...](#)

☐ Open in new session

[Create Project](#) [Cancel](#)

# Requisitos mínimos para crear un Rmarkdown web

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

- Editor:** Displays the `index.Rmd` file with the following content:

```
1 ---
2 title: "Home"
3 ---
4
5 Hello, Website! Welcome to RladiesQro space
6
```
- Environment:** Shows the current branch is ahead of 'origin/master' by 1 commit. It lists staged files: `_site.yml` and `index.Rmd`.
- Files:** Shows the project structure with the following files and sizes:

| Name                       | Size  | Mod |
|----------------------------|-------|-----|
| ..                         |       |     |
| .gitignore                 | 593 B | Sep |
| README.md                  | 54 B  | Sep |
| RladiesQro.github.io.Rproj | 205 B | Sep |
| index.Rmd                  | 67 B  | Sep |
| _site.yml                  | 99 B  | Sep |
- Console:** Displays the R version and platform information, followed by the R license text and the R Markdown output:

```
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)

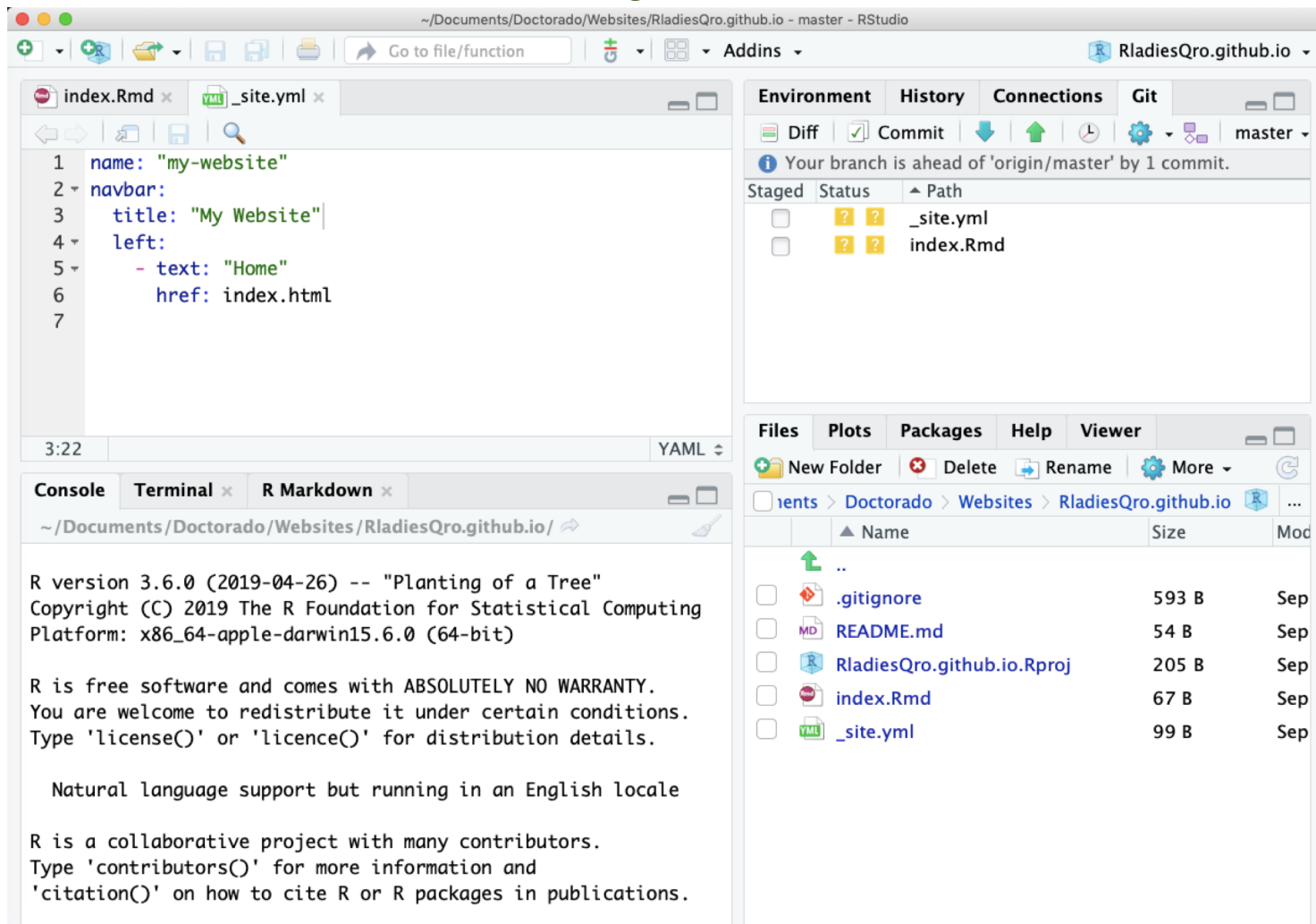
R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

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.
```

# 3. Crear Rmarkdown website

`_site.yml`



The screenshot shows the RStudio interface with the following components:

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

```
1 name: "my-website"
2 navbar:
3   title: "My Website"
4   left:
5     - text: "Home"
6       href: index.html
7
```
- Environment:** Shows the current branch is ahead of 'origin/master' by 1 commit. The staged files are `_site.yml` and `index.Rmd`.
- Files:** Shows the project structure with the following files:

| Name                       | Size  | Mod |
|----------------------------|-------|-----|
| ..                         |       |     |
| .gitignore                 | 593 B | Sep |
| README.md                  | 54 B  | Sep |
| RladiesQro.github.io.Rproj | 205 B | Sep |
| index.Rmd                  | 67 B  | Sep |
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- Console:** Shows the R version and environment information:

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Copyright (C) 2019 The R Foundation for Statistical Computing
Platform: x86_64-apple-darwin15.6.0 (64-bit)

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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.
```

# 4. Renderizar



`rmarkdown::render_site()`



# 4. Renderizar

The screenshot shows the RStudio interface with the following components:

- Source Editor:** Displays the `index.Rmd` file with the following content:

```
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/Plots/Packages/Help/Viewer:** The Viewer pane shows the rendered output:

**Home**

name: "my-website" navbar: title: "My Website" left: - text: "Home" href: index.html
- Console:** Shows the command used to render the document and the resulting output:

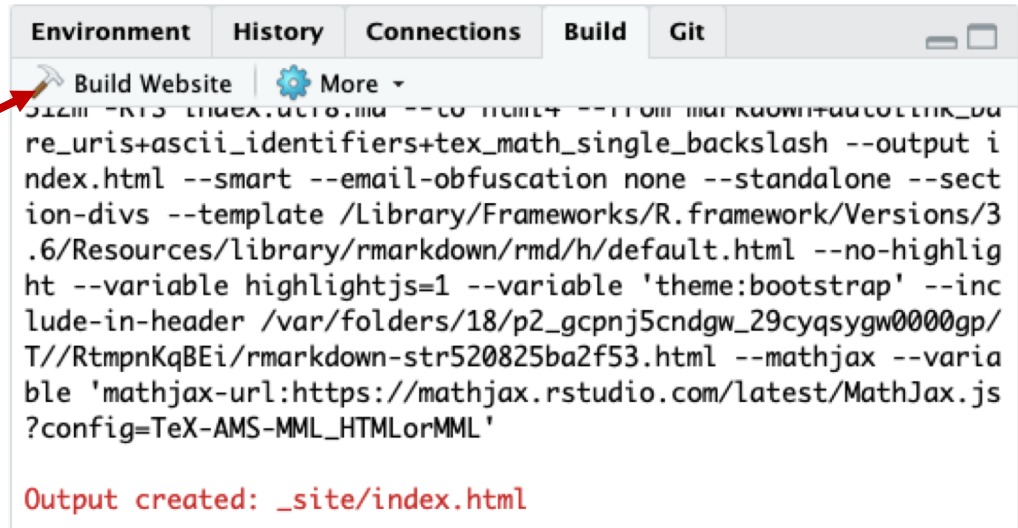
```
~/Documents/Doctorado/Websites/RladiesQro.github.io/

/Applications/RStudio.app/Contents/MacOS/pandoc/pandoc +RTS -K512m -RTS index.ut
f8.md --to html4 --from markdown+autolink_bare_uris+ascii_identifiers+tex_math_s
ingle_backslash --output index.html --smart --email-obfuscation none --standalon
e --section-divs --template /Library/Frameworks/R.framework/Versions/3.6/Resourc
es/library/rmarkdown/rmd/h/default.html --no-highlight --variable highlightjs=1
--variable 'theme:bootstrap' --include-in-header /var/folders/18/p2_gcpnj5cndgw_
29cyqsygw0000gp/T//RtmpUNALeG/rmarkdown-str4d871f03ea1a.html --mathjax --variabl
e 'mathjax-url:https://mathjax.rstudio.com/latest/MathJax.js?config=TeX-AMS-MML_
HTMLorMML'

Output created: _site/index.html
> |
```

# 4. Renderizar

Renderiza todos los .rmd

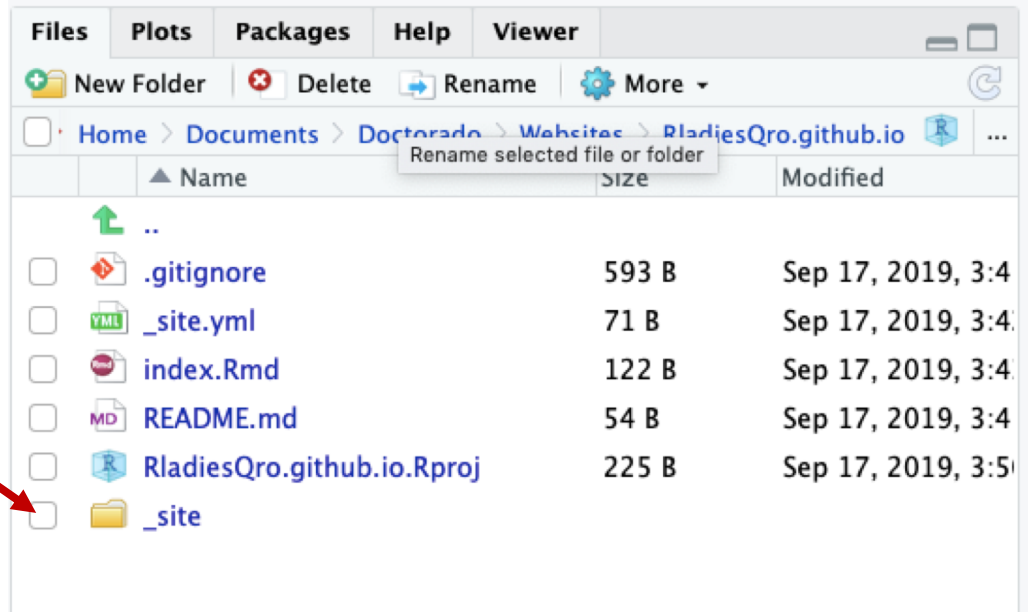


The screenshot shows the 'Build' menu in RStudio. The 'Build Website' option is highlighted with a red arrow. Below it, the command line for rendering is visible, showing various options like --output, --smart, --email-obfuscation, --standalone, --section-divs, --template, --no-highlight, --variable, --include-in-header, --mathjax, and --variable. The output created is shown as `_site/index.html`.

```
Build Website More
--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`

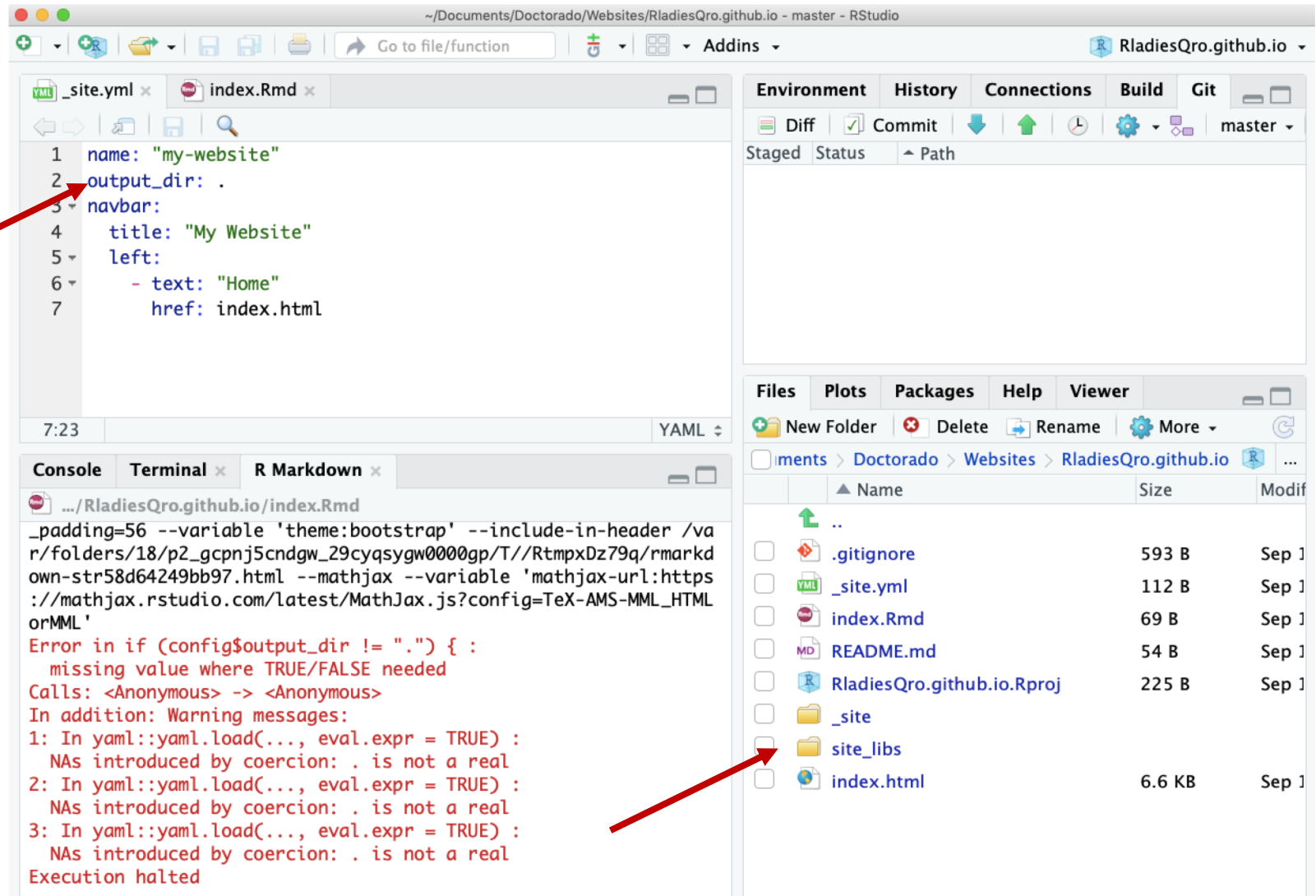
Se crea la carpeta `_site`



The screenshot shows the 'Files' pane in RStudio. The directory structure is `Home > Documents > Doctorado > Websites > RladiesQro.github.io`. The files listed are `..`, `.gitignore`, `_site.yml`, `index.Rmd`, `README.md`, `RladiesQro.github.io.Rproj`, and `_site`. The `_site` folder is highlighted with a red arrow.

| Name                       | Size  | Modified          |
|----------------------------|-------|-------------------|
| ..                         |       |                   |
| .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 a project named "RladiesQro.github.io". The left pane displays the file `_site.yml` with the following 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 in the YAML file. The bottom pane shows the console output, which includes an error message:

```
Error in if (config$output_dir != ".") { :
  missing value where TRUE/FALSE needed
Calls: <Anonymous> -> <Anonymous>
In addition: Warning messages:
1: In yaml::yaml.load(..., eval.expr = TRUE) :
  NAs introduced by coercion: . is not a real
2: In yaml::yaml.load(..., eval.expr = TRUE) :
  NAs introduced by coercion: . is not a real
3: In yaml::yaml.load(..., eval.expr = TRUE) :
  NAs introduced by coercion: . is not a real
Execution halted
```

The right pane shows the file explorer view, listing the project files and folders. A red arrow points to the `site_libs` folder in the list.

| Name                       | Size   | Modified |
|----------------------------|--------|----------|
| ..                         |        |          |
| .gitignore                 | 593 B  | Sep 1    |
| _site.yml                  | 112 B  | Sep 1    |
| index.Rmd                  | 69 B   | Sep 1    |
| README.md                  | 54 B   | Sep 1    |
| RladiesQro.github.io.Rproj | 225 B  | Sep 1    |
| _site                      |        |          |
| site_libs                  |        |          |
| index.html                 | 6.6 KB | Sep 1    |

# 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 Querétaro

Hello, Website! Welcome to RladiesQro space se cambia

