

```
---
title: "practica 2/3"
author: "grupo 6"
format: html
editor: visual
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```

(Untitled)

GRUPO 06:

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- ROJAS CORREA, Aitana
- VELASQUEZ ROMAN, Alvaro Fabian

TAREA

```
{r}
library(readr)
```

```
{r}
#install.packages("tidyverse")
#install.packages("rio")
#install.packages("here")
#install.packages("janitor")
#install.packages("skimr")
#install.packages("visdat")
```

```
{r}
library(tidyverse)
library(rio)
library(here)
library(janitor)
```

The screenshot displays the RStudio environment with a Quarto document open. The document contains R code for loading packages and summarizing data. The Environment pane on the right shows the loaded packages and data objects. The Console at the bottom shows the execution of the code, including an error message and the output of the summary function.

Environment Pane:

Object	Size	Modified
conoc_activ_factor...	218 obs. of 18 variables	
data_cancer	218 obs. of 18 variables	
data_cancer_1	218 obs. of 18 variables	
data_cancer_2	218 obs. of 18 variables	
data_cancer_3	218 obs. of 18 variables	
data_cancer_4	218 obs. of 18 variables	

Console Output:

```
R - R 4.4.3 - ~/estadistica_upsjb_estudio/Practica calificada 2/
> summary(data_cancer_procedencia)
Error: objeto 'data_cancer_procedencia' no encontrado
> summary(data_cancer_4$procedencia)
  Length      Class      Mode 
    218      character character 
> summary(data_cancer_4$edad_relacion_sexual)
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max. 
 13.00  18.00   19.00  19.33  20.00   30.00 
> hist(data_cancer_4$edad_relacion_sexual)
```

practica2_de_3.qmd | data_cancer_2 | data_cancer_4 | data_cancer_3 | data_cancer | conoc_actit_factor_cancer_cervical | Addins

Source Visual B I < Normal | Format | Insert | Table | Outline

```
library(skim)
library(visdat)
library(readr)

{r}
dim(data_conoc_actit_factor_cancer_cervical)

{r}
data_cancer = import("~/estadistica_upsjb_estudio/Estadistica/data/conoc_actit_factor_cancer_cervical.csv")

{r}
dim(data_cancer)

[1] 218 18

{r}
str(data_cancer)

'data.frame': 218 obs. of 18 variables:
```

(Top Level) | Quarto

Console Terminal Background Jobs

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practica2_de_3.qmd | data_cancer_2 | data_cancer_4 | data_cancer_3 | data_cancer | conoc_actit_factor_cancer_cervical | Addins

Source Visual B I < Normal | Format | Insert | Table | Outline

```
{r}
skimr::skim(data_cancer)
```

A tibble: 5 x 11

	skim_variable	n_missing	complete_rate	mean
1	paciente_num	0	1	109.500000
2	edad	0	1	45.408257
3	edad_relacion....	0	1	19.325688
4	parejas_sex	0	1	2.509174
5	num_hijos	0	1	2.059633

5 rows | 1-5 of 11 columns

```
{r}

{r}
skimr::skim(data_cancer)
```

(Top Level) | Quarto

Console Terminal Background Jobs

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practica2_de_3.qmd | data_cancer_2 | data_cancer_4 | data_cancer_3 | data_cancer | conoc_actit_factor_cancer_cervical | Addins

Source Visual B I < Normal | Format | Insert | Table | Outline

Visualmente

```
{r}
#view(data_cancer)

{r}
visdat::vis_dat(data_cancer)

{r}
data_cancer_1 = clean_names(data_cancer)

{r}
names(data_cancer)

{r}
names(data_cancer_1)

{r}
data_cancer_2 = mutate_if(data_cancer_1, is.character, list(~na_if(., "")))
```

(Top Level) | Quarto

Console Terminal Background Jobs

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Environment History Connections Tutorial

R Global Environment

Data

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Files Plots Packages Help Viewer Presentation

Home > estadistica_upsjb_estudio > Estadistica > data

Name	Size	Modified
..		
--practica01.Rproj	286 B	Apr 15, 2025, 8:35 PM
.Rhistory	112 B	Apr 15, 2025, 8:36 PM
conoc_actit_factor_cancer_cervical.csv	24.6 KB	Apr 17, 2025, 9:37 PM
s02_treat_artritis.csv	41.7 KB	Apr 12, 2025, 8:34 AM
s02_treat_artritis.Rdata	33.6 KB	Apr 12, 2025, 8:34 AM
s02_treat_artritis.sav	12.9 KB	Apr 12, 2025, 8:34 AM
s02_treat_artritis.xlsx	38.6 KB	Apr 12, 2025, 8:34 AM
s03_treat_artritis.csv	29.9 KB	Apr 19, 2025, 8:00 AM

practica2_de_3.qmd | data_cancer_2 | data_cancer_4 | data_cancer_3 | data_cancer | conoc_actit_factor_cancer_cervical

Source Visual B I <> Normal | 1= | | Format | Insert | Table | | Outline

```
data_cancer_1 = data_cancer |>
  clean_names() |>
  mutate_if(is.character, list(~ na_if(., ""))) |>
  remove_empty(which = c("rows", "cols"))

{r}
data_cancer_1 |> count(edad)#Cambia de variable categórica
```

Description: df [40 x 2]

edad	n
25	20
26	7
27	3
28	4
29	3
30	1
31	2
32	3
33	1
34	1

(Top Level) | Quarto

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Files Plots Packages Help Viewer Presentation

New Folder New File Delete Rename More

Home | estadistica_upsjb_estudio | Estadistica | data

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{r}
summary(data_cancer_4$edad_relacion_sexual)

{r}
hist(data_cancer_4$edad_relacion_sexual)
```

Histogram of data_cancer_4\$edad_relacion_sexual

(Top Level) | Quarto

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GRACIAS.