

# Lab3

Grupo 5

2023-11-22

```
## Warning: package 'readr' was built under R version 4.3.2
```

```
## Warning: package 'tidyr' was built under R version 4.3.2
```

```
## Warning: package 'dplyr' was built under R version 4.3.2
```

```
##  
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':  
##  
##   filter, lag
```

```
## The following objects are masked from 'package:base':  
##  
##   intersect, setdiff, setequal, union
```

```
## Warning: package 'XML' was built under R version 4.3.2
```

```
## Warning: package 'httr' was built under R version 4.3.2
```

```
## Warning: package 'rvest' was built under R version 4.3.2
```

```
##  
## Attaching package: 'rvest'
```

```
## The following object is masked from 'package:readr':  
##  
##   guess_encoding
```

```
## Warning: package 'knitr' was built under R version 4.3.2
```

```
## Warning: package 'purrr' was built under R version 4.3.2
```

```
## Warning: package 'ggplot2' was built under R version 4.3.2
```

```
## Warning: package 'mltools' was built under R version 4.3.2
```

```
##
## Attaching package: 'mltools'
```

```
## The following object is masked from 'package:tidyr':
##
##   replace_na
```

```
## Warning: package 'data.table' was built under R version 4.3.2
```

```
##
## Attaching package: 'data.table'
```

```
## The following object is masked from 'package:purrr':
##
##   transpose
```

```
## The following objects are masked from 'package:dplyr':
##
##   between, first, last
```

## Dataframe

```
epa_http <- read_table("C:/Users/auguriora/Downloads/epa-http/epa-http.csv",
  col_names = FALSE)
```

```
##
## — Column specification —————
## cols(
##   X1 = col_character(),
##   X2 = col_character(),
##   X3 = col_character(),
##   X4 = col_character(),
##   X5 = col_character(),
##   X6 = col_double(),
##   X7 = col_character()
## )
```

```
## Warning: 21 parsing failures.
## row col expected actual file
## 7527 -- 7 columns 6 columns 'C:/Users/auguriora/Downloads/epa-http/epa-http.csv'
## 7528 -- 7 columns 6 columns 'C:/Users/auguriora/Downloads/epa-http/epa-http.csv'
## 7529 -- 7 columns 6 columns 'C:/Users/auguriora/Downloads/epa-http/epa-http.csv'
## 7549 -- 7 columns 6 columns 'C:/Users/auguriora/Downloads/epa-http/epa-http.csv'
## 7550 -- 7 columns 6 columns 'C:/Users/auguriora/Downloads/epa-http/epa-http.csv'
## .... ..
## See problems(...) for more details.
```

# Obtención y carga de los Datos:

## Pregunta 1:

Formateo columnas de Dataframe

```
## Warning: NAs introduced by coercion
```

```
## $ORIGEN
## [1] "character"
##
## $FECHA
## [1] "POSIXct" "POSIXt"
##
## $TIPO
## [1] "character"
##
## $URL
## [1] "character"
##
## $PROTOCOLO
## [1] "character"
##
## $PETICIONES
## [1] "numeric"
##
## $BYTES
## [1] "numeric"
```

## Exploración de Datos

## Pregunta 2:

Usuarios con errores reportados

```
## [1] "Total de usuarios solo con errores: 198"
```

```
## [1] "Total de usuarios solo con acceso satisfactorios: 3771"
```

## Pregunta 3:

Tabla con tipos de peticiones HTTP (GET, POST, PUT, DELETE)

TIPO	n
GET	46020
HEAD	106
POST	1622

## Pregunta 4:

Grafico con cantidad de interacciones fallidas y exitosas de los usuarios

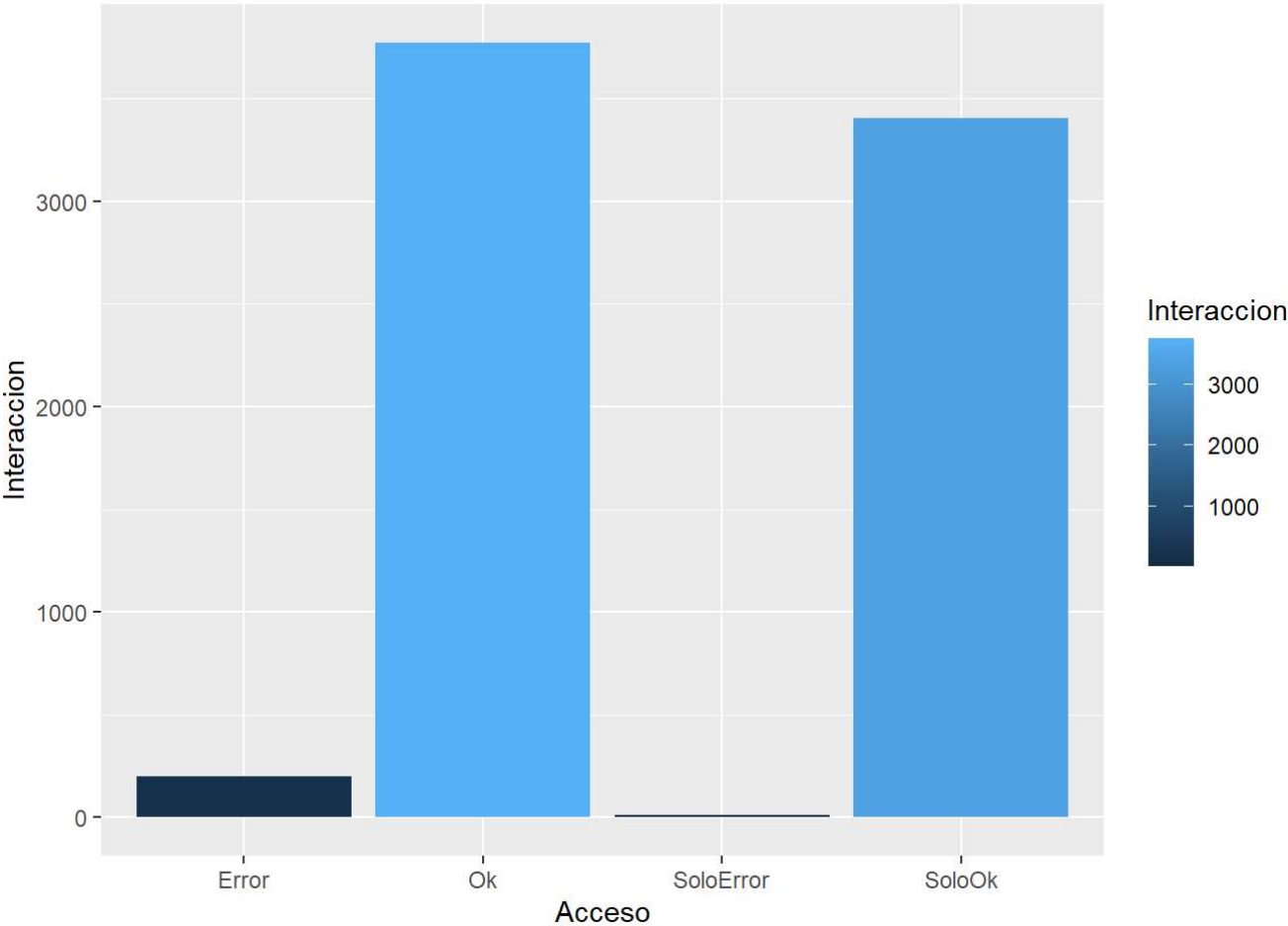
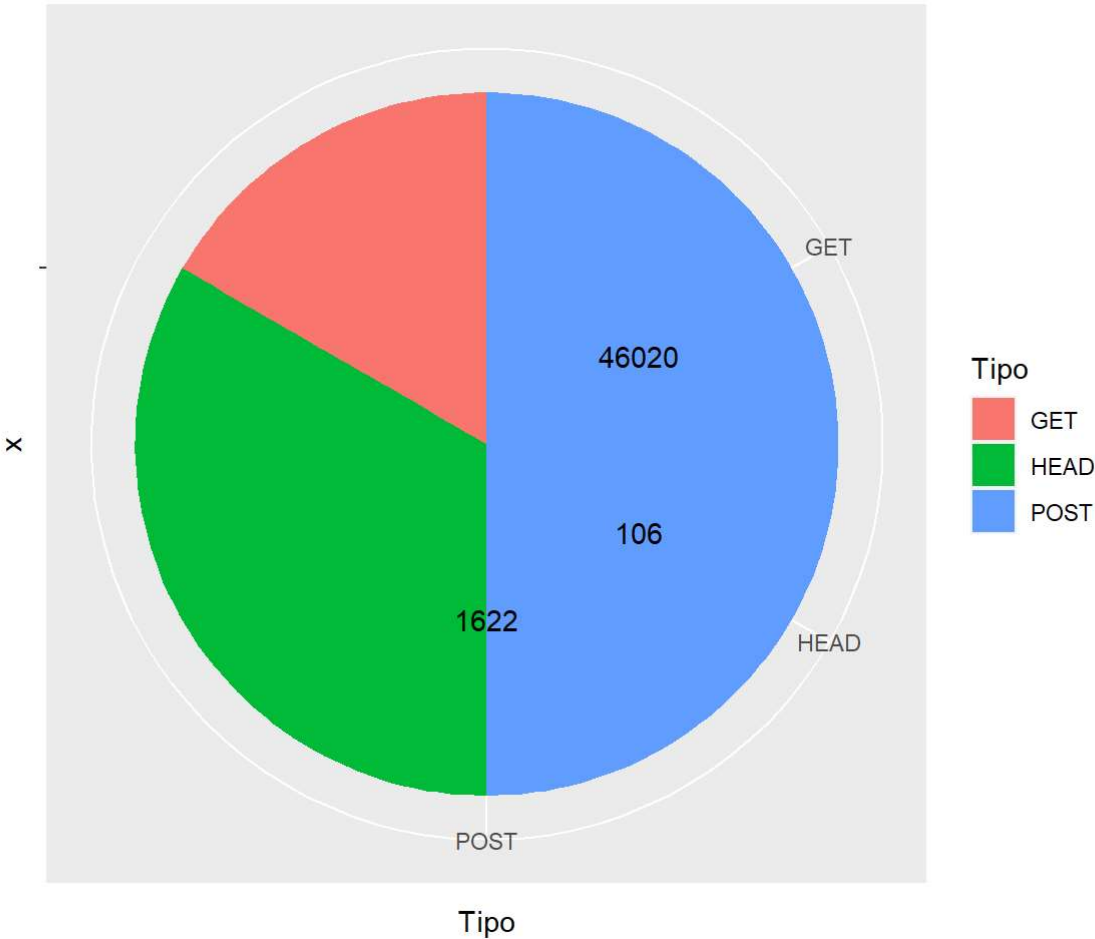
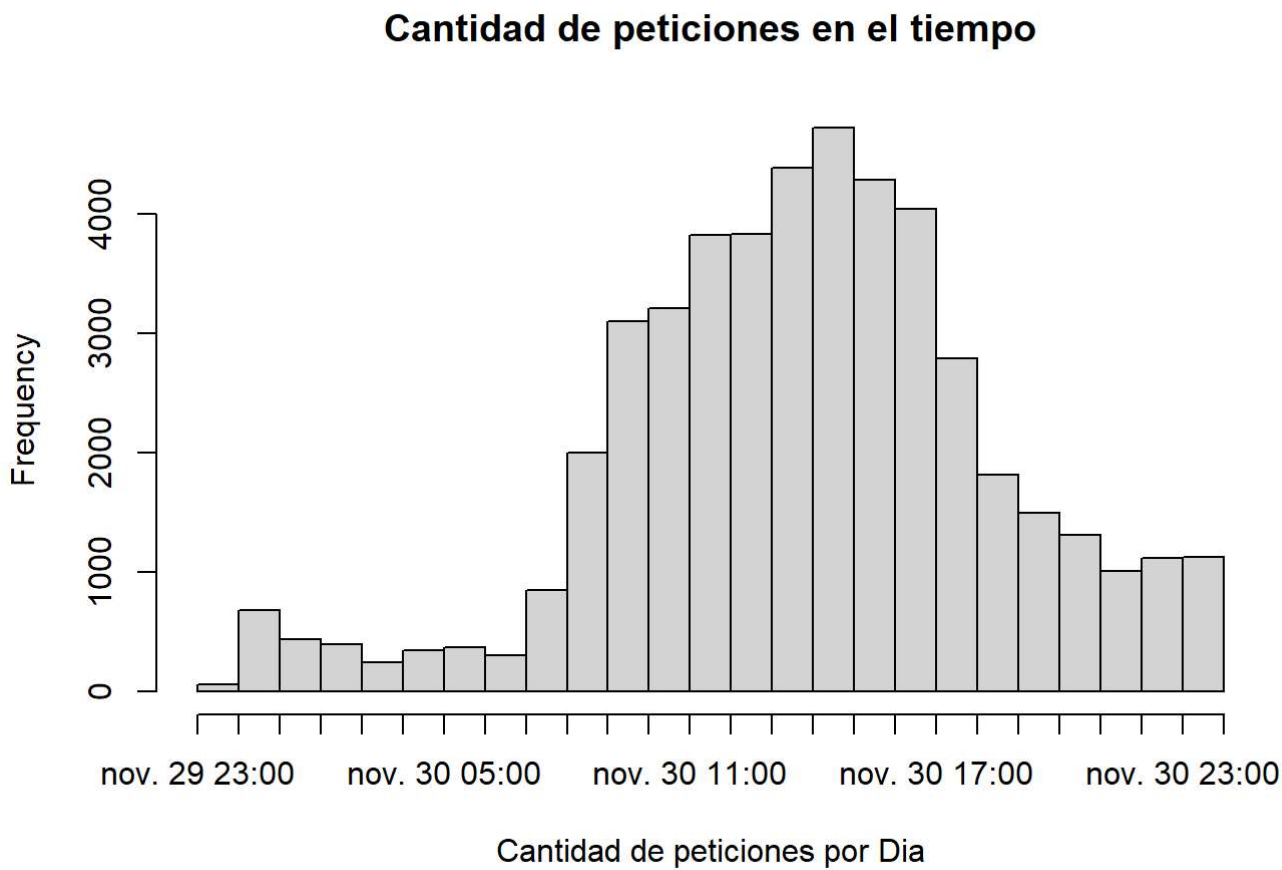


Grafico con tipo de peticiones



Pregunta 5:



Pregunta 6:

