

# Tipos de variables

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```
#_____ Tipos de variables _____
```

```
install.packages("datos")
```

```
## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.1'  
## (as 'lib' is unspecified)
```

```
library(datos)
```

```
aero<-datos::aerolineas  
dim(aero)
```

```
## [1] 16 2
```

```
str(aero)
```

```
## tibble [16 x 2] (S3: tbl_df/tbl/data.frame)
```

```
## $ aerolinea: chr [1:16] "9E" "AA" "AS" "B6" ...
```

```
## $ nombre : chr [1:16] "Endeavor Air Inc." "American Airlines Inc." "Alaska Airlines Inc." "JetBlue Airways"
```

```
aero$aerolinea
```

```
## [1] "9E" "AA" "AS" "B6" "DL" "EV" "F9" "FL" "HA" "MQ" "OO" "UA" "US" "VX" "WN"
```

```
## [16] "YV"
```

```
aero$nombre
```

```
## [1] "Endeavor Air Inc." "American Airlines Inc."  
## [3] "Alaska Airlines Inc." "JetBlue Airways"  
## [5] "Delta Air Lines Inc." "ExpressJet Airlines Inc."  
## [7] "Frontier Airlines Inc." "AirTran Airways Corporation"  
## [9] "Hawaiian Airlines Inc." "Envoy Air"  
## [11] "SkyWest Airlines Inc." "United Air Lines Inc."  
## [13] "US Airways Inc." "Virgin America"  
## [15] "Southwest Airlines Co." "Mesa Airlines Inc."
```

```
#_____ # grafico de barras #_____
```

## 2.- Creación del gráfico

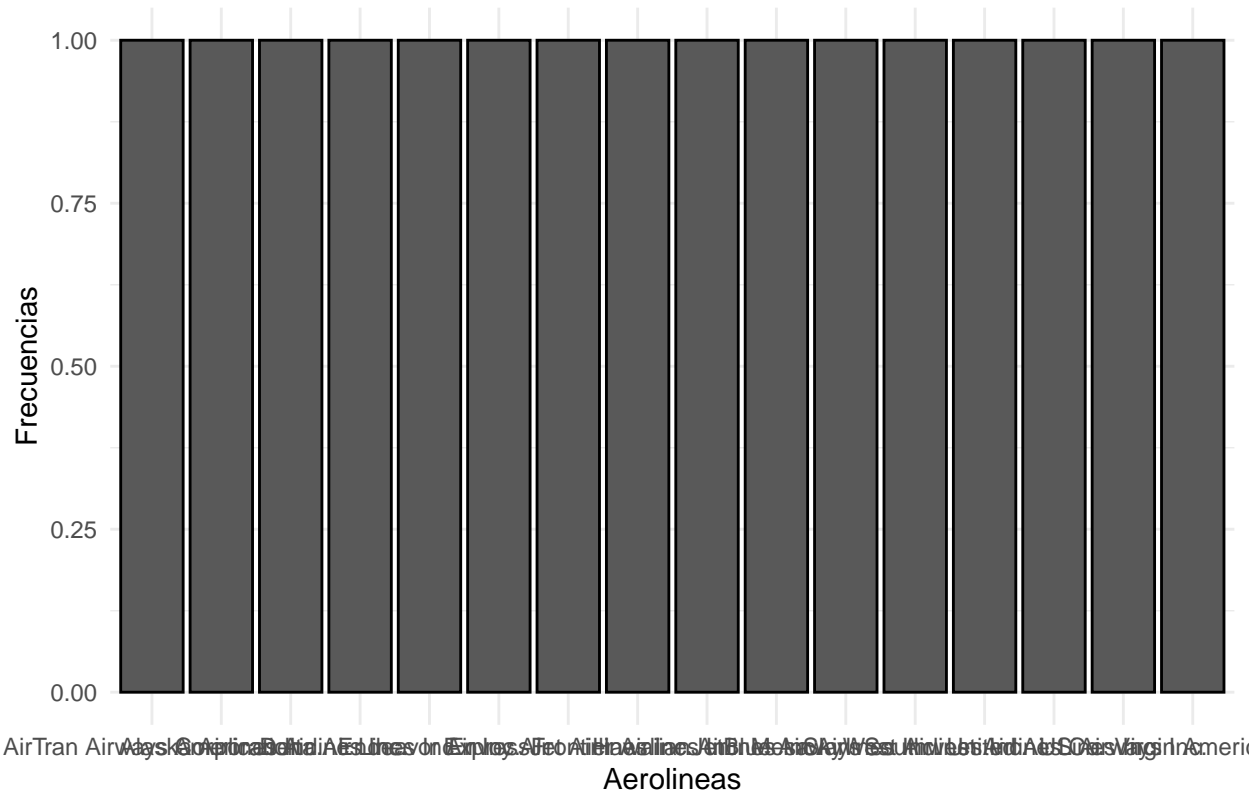
```
library(ggplot2)
```

```
GB1<-ggplot(aero, aes(x=nombre))+  
  geom_bar(colour="black")+  
  ggtitle("Gráfico de Barras")+  
  xlab("Aerolineas")+
```

```
ylab("Frecuencias")+
theme_minimal()
```

GB1

## Gráfico de Barras



```
#-----# Penguins #-----
```

```
penguins<-datos::penguins
```

```
dim(penguins)
```

```
## [1] 344 8
```

```
anyNA(penguins)
```

```
## [1] TRUE
```

```
str(penguins)
```

```
## tibble [344 x 8] (S3: tbl_df/tbl/data.frame)
## $ especie      : Factor w/ 3 levels "Adelia","Barbijo",...: 1 1 1 1 1 1 1 1 1 1 ...
## $ isla         : Factor w/ 3 levels "Biscoe","Dream",...: 3 3 3 3 3 3 3 3 3 3 ...
## $ largo_pico_mm : num [1:344] 39.1 39.5 40.3 NA 36.7 39.3 38.9 39.2 34.1 42 ...
## $ alto_pico_mm  : num [1:344] 18.7 17.4 18 NA 19.3 20.6 17.8 19.6 18.1 20.2 ...
## $ largo_aleta_mm : int [1:344] 181 186 195 NA 193 190 181 195 193 190 ...
## $ masa_corporal_g: int [1:344] 3750 3800 3250 NA 3450 3650 3625 4675 3475 4250 ...
## $ sexo         : Factor w/ 2 levels "hembra","macho": 2 1 1 NA 1 2 1 2 NA NA ...
## $ anio         : int [1:344] 2007 2007 2007 2007 2007 2007 2007 2007 2007 ...
```

penguins\$isla

```
## [1] Torgersen Torgersen Torgersen Torgersen Torgersen Torgersen Torgersen
## [8] Torgersen Torgersen Torgersen Torgersen Torgersen Torgersen Torgersen
## [15] Torgersen Torgersen Torgersen Torgersen Torgersen Torgersen Biscoe
## [22] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [29] Biscoe Biscoe Dream Dream Dream Dream Dream
## [36] Dream Dream Dream Dream Dream Dream Dream
## [43] Dream Dream Dream Dream Dream Dream Dream
## [50] Dream Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [57] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [64] Biscoe Biscoe Biscoe Biscoe Biscoe Torgersen Torgersen
## [71] Torgersen Torgersen Torgersen Torgersen Torgersen Torgersen Torgersen
## [78] Torgersen Torgersen Torgersen Torgersen Torgersen Torgersen Torgersen
## [85] Dream Dream Dream Dream Dream Dream Dream
## [92] Dream Dream Dream Dream Dream Dream Dream
## [99] Dream Dream Biscoe Biscoe Biscoe Biscoe Biscoe
## [106] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [113] Biscoe Biscoe Biscoe Biscoe Torgersen Torgersen Torgersen
## [120] Torgersen Torgersen Torgersen Torgersen Torgersen Torgersen Torgersen
## [127] Torgersen Torgersen Torgersen Torgersen Torgersen Torgersen Dream
## [134] Dream Dream Dream Dream Dream Dream Dream
## [141] Dream Dream Dream Dream Dream Dream Dream
## [148] Dream Dream Dream Dream Dream Biscoe Biscoe
## [155] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [162] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [169] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [176] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [183] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [190] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [197] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [204] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [211] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [218] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [225] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [232] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [239] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [246] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [253] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [260] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [267] Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe Biscoe
## [274] Biscoe Biscoe Biscoe Dream Dream Dream Dream
## [281] Dream Dream Dream Dream Dream Dream Dream
## [288] Dream Dream Dream Dream Dream Dream Dream
## [295] Dream Dream Dream Dream Dream Dream Dream
## [302] Dream Dream Dream Dream Dream Dream Dream
## [309] Dream Dream Dream Dream Dream Dream Dream
## [316] Dream Dream Dream Dream Dream Dream Dream
## [323] Dream Dream Dream Dream Dream Dream Dream
## [330] Dream Dream Dream Dream Dream Dream Dream
## [337] Dream Dream Dream Dream Dream Dream Dream
## [344] Dream
## Levels: Biscoe Dream Torgersen
```

integer=int

los tipos de variables.

#1.- Seleccionas tu matriz de datos.

```
atm<-datos::atmosfera
```

```
dim(atm)
```

```
## [1] 41472    11
```

```
str(atm)
```

```
## tibble [41,472 x 11] (S3: tbl_df/tbl/data.frame)
```

```
## $ latitud      : num [1:41472] 36.2 33.7 31.2 28.7 26.2 ...
```

```
## $ longitud     : num [1:41472] -114 -114 -114 -114 -114 ...
```

```
## $ anio        : int [1:41472] 1995 1995 1995 1995 1995 1995 1995 1995 1995 1995 ...
```

```
## $ mes         : int [1:41472] 1 1 1 1 1 1 1 1 1 1 ...
```

```
## $ temp_superficie: num [1:41472] 273 280 285 289 292 ...
```

```
## $ temperatura   : num [1:41472] 272 282 285 291 293 ...
```

```
## $ presion       : num [1:41472] 835 940 960 990 1000 1000 1000 1000 1000 1000 ...
```

```
## $ ozono         : num [1:41472] 304 304 298 276 274 264 258 252 250 250 ...
```

```
## $ nube_baja     : num [1:41472] 7.5 11.5 16.5 20.5 26 30 29.5 26.5 27.5 26 ...
```

```
## $ nube_media    : num [1:41472] 34.5 32.5 26 14.5 10.5 9.5 11 17.5 18.5 16.5 ...
```

```
## $ nube_alta     : num [1:41472] 26 20 16 13 7.5 8 14.5 19.5 22.5 21 ...
```

```
atm$temperatura
```

```
## [1] 272.1 282.2 285.2 290.7 292.7 293.6 294.6 296.9 297.8 298.7 300.1 300.1
```

```
## [13] 300.5 299.6 298.3 297.8 298.3 298.3 298.3 298.3 297.8 296.9 296.9 296.9
```

```
## [25] 270.3 282.2 285.2 286.8 293.6 295.0 295.0 296.9 298.3 299.6 300.5 300.5
```

```
## [37] 299.6 299.2 297.8 297.4 297.8 298.3 297.8 297.8 297.4 296.9 296.9 296.5
```

```
## [49] 270.3 272.7 276.1 286.8 284.2 295.5 296.0 297.8 299.2 299.6 300.5 300.1
```

```
## [61] 300.1 299.2 297.8 297.8 297.4 297.8 297.4 297.4 297.4 296.5 296.5 296.0
```

```
## [73] 270.9 272.7 275.0 276.7 284.2 282.7 297.4 297.8 300.5 300.1 301.0 300.1
```

```
## [85] 299.6 299.6 297.8 297.4 297.8 297.8 296.9 296.9 296.9 296.0 296.5 296.5
```

```
## [97] 271.5 271.5 278.9 277.3 279.5 282.7 283.7 300.1 301.0 300.5 300.5 300.1
```

```
## [109] 300.1 300.1 298.7 297.4 298.3 297.8 297.4 296.9 296.9 296.5 296.0 295.5
```

```
## [121] 275.6 280.0 281.6 283.2 281.1 281.6 282.7 293.2 301.0 301.0 300.1 300.1
```

```
## [133] 299.6 299.6 298.3 297.8 297.8 297.4 297.4 296.9 296.5 296.0 295.5 295.0
```

```
## [145] 278.4 281.6 283.7 287.3 289.3 285.2 291.7 289.3 300.1 300.5 300.5 300.1
```

```
## [157] 300.1 300.1 298.3 297.4 298.3 297.8 297.4 296.9 296.0 295.5 295.0 295.5
```

```
## [169] 278.4 281.6 283.7 288.3 292.2 294.1 296.0 290.2 298.3 300.1 300.1 299.6
```

```
## [181] 300.5 300.1 298.7 297.4 297.8 297.4 296.9 296.5 296.5 295.5 295.5 295.0
```

```
## [193] 278.4 281.6 283.7 288.3 292.7 294.6 296.9 296.0 291.2 300.5 300.1 299.6
```

```
## [205] 300.5 300.1 299.6 297.4 298.3 297.4 296.9 296.5 295.5 295.5 295.0 295.0
```

```
## [217] 278.4 282.7 284.7 289.3 293.2 295.5 296.0 296.5 293.6 301.0 300.1 299.2
```

```
## [229] 301.0 301.0 299.6 299.2 298.3 297.8 297.4 296.9 296.0 295.5 295.0 294.6
```

```
## [241] 277.8 281.1 284.2 289.3 293.6 296.0 296.0 295.5 293.6 294.6 299.6 299.2
```

```
## [253] 300.5 301.0 298.7 298.3 297.8 298.3 297.4 296.9 296.0 295.5 294.6 294.6
```

```
## [265] 277.3 282.2 285.2 289.8 294.1 296.5 296.9 298.3 298.7 293.2 299.6 301.0
```

```
## [277] 301.9 301.0 300.1 298.3 298.7 298.3 297.4 296.9 296.5 295.5 295.0 294.6
```

```
## [289] 276.7 281.6 286.3 289.3 294.1 296.0 298.7 298.7 299.2 298.3 299.6 301.4
```

```
## [301] 301.9 301.0 299.2 297.8 297.8 298.7 298.3 297.8 296.5 295.5 294.6 294.6
```

```
## [313] 276.7 281.6 289.3 288.8 292.7 296.5 298.7 299.2 299.2 299.6 299.6 301.0
```

##	[325]	301.4	300.1	299.2	298.3	297.8	297.8	297.8	298.3	296.9	295.5	295.5	294.6
##	[337]	278.9	284.2	289.8	291.2	295.0	296.0	298.3	299.6	299.2	299.6	299.6	300.1
##	[349]	301.0	300.1	294.6	287.3	288.8	291.7	297.4	295.5	296.5	295.5	295.0	294.6
##	[361]	283.2	287.8	289.8	292.2	295.0	296.9	297.8	299.2	299.2	299.2	300.5	301.0
##	[373]	298.7	294.6	294.6	298.7	300.1	296.5	286.8	284.2	293.6	296.5	296.5	295.5
##	[385]	285.8	288.3	292.7	292.2	294.6	296.9	298.3	299.2	299.2	299.2	301.0	301.0
##	[397]	296.5	297.4	297.8	298.3	300.1	299.6	298.7	296.9	281.6	293.6	296.9	296.0
##	[409]	286.8	289.3	290.7	292.2	294.6	296.5	298.3	297.8	299.2	299.6	299.6	299.6
##	[421]	298.3	300.5	298.7	299.2	300.1	300.1	299.6	298.3	282.2	287.3	292.2	296.9
##	[433]	286.8	289.8	290.7	292.2	294.6	296.0	297.4	298.3	298.7	299.2	300.1	297.8
##	[445]	300.5	300.1	299.6	300.1	300.5	300.1	300.1	299.6	299.6	282.2	283.2	288.3
##	[457]	288.3	289.8	291.2	292.7	294.6	296.0	297.4	298.3	299.2	299.2	299.6	299.6
##	[469]	300.5	297.8	299.2	300.5	301.0	301.0	299.6	299.2	302.8	290.2	283.2	288.8
##	[481]	288.8	289.3	291.7	293.2	294.6	296.5	296.9	298.3	298.7	299.6	299.2	299.6
##	[493]	296.0	295.0	299.2	301.9	301.4	301.0	300.5	299.2	299.2	301.0	290.2	301.4
##	[505]	288.8	289.8	290.7	293.2	294.6	296.0	296.9	297.8	298.7	299.2	299.2	298.7
##	[517]	297.8	297.8	300.1	301.4	301.4	301.0	300.1	299.2	298.7	301.0	303.2	304.9
##	[529]	288.8	289.8	290.7	292.2	294.6	295.5	296.9	297.8	298.3	298.7	299.2	299.2
##	[541]	297.8	299.2	299.2	300.5	301.4	300.1	299.2	299.2	299.2	301.9	301.4	302.3
##	[553]	288.8	289.8	290.7	292.2	294.1	295.0	296.5	297.4	297.8	298.3	298.7	299.2
##	[565]	299.6	296.5	298.3	300.5	301.0	300.1	298.7	298.7	299.6	301.0	302.3	300.1
##	[577]	278.9	287.3	290.2	292.2	293.2	294.1	294.6	297.4	298.3	299.6	300.1	300.5
##	[589]	300.1	300.5	300.1	298.7	299.2	299.6	298.3	298.3	298.3	297.8	297.8	297.8
##	[601]	275.6	287.3	290.2	289.3	294.1	295.5	296.5	297.4	299.2	300.1	300.1	300.5
##	[613]	300.1	300.1	299.2	299.2	299.2	299.2	298.3	298.3	297.8	297.4	297.8	296.9
##	[625]	275.6	276.7	280.5	289.3	287.8	296.0	297.4	297.8	299.6	300.1	300.5	300.1
##	[637]	300.5	300.1	300.1	299.2	299.2	298.7	298.3	297.4	297.8	297.4	296.9	296.9
##	[649]	273.8	276.1	279.5	278.4	287.8	281.6	297.8	298.7	300.1	300.5	300.5	300.1
##	[661]	300.5	300.1	300.1	299.2	299.2	298.3	297.8	297.4	297.4	296.5	296.9	296.5
##	[673]	273.2	276.7	281.1	282.2	282.2	281.6	285.8	300.1	301.0	301.0	300.5	300.1
##	[685]	300.1	300.5	300.1	299.6	299.6	298.7	297.8	297.4	296.9	296.5	296.5	296.5
##	[697]	278.4	283.2	284.2	285.8	285.2	282.2	283.7	294.1	301.9	301.0	300.1	300.1
##	[709]	300.1	300.1	299.6	299.6	299.6	298.3	297.8	296.5	296.5	296.0	296.0	296.0
##	[721]	280.0	285.2	285.8	289.3	292.2	283.7	294.1	289.8	300.5	301.0	300.1	300.1
##	[733]	300.5	300.5	300.1	300.1	299.6	298.7	297.4	296.5	296.5	295.5	295.5	295.5
##	[745]	280.0	285.2	286.3	289.3	292.7	295.0	296.5	293.6	298.3	299.6	300.1	299.6
##	[757]	300.5	300.1	299.6	300.1	299.2	298.7	297.4	296.9	296.0	295.0	295.5	295.0
##	[769]	280.5	284.2	286.3	289.8	293.2	295.0	295.5	296.9	292.7	300.1	300.1	300.1
##	[781]	300.5	301.0	299.6	299.2	299.6	299.2	297.8	296.9	295.5	295.0	295.0	294.6
##	[793]	279.5	283.2	286.3	290.2	293.6	294.6	296.5	296.5	294.1	300.5	300.1	299.2
##	[805]	300.5	300.5	299.6	299.2	299.2	299.6	297.8	296.9	295.5	295.5	294.6	294.6
##	[817]	278.9	282.7	286.3	290.2	294.1	294.6	296.5	295.0	294.1	296.5	299.2	299.2
##	[829]	301.0	301.4	299.2	299.2	299.6	299.6	297.8	296.9	296.0	295.5	294.6	294.6
##	[841]	276.1	280.0	285.8	290.7	293.6	295.5	296.9	297.8	297.8	291.7	298.7	300.5
##	[853]	301.4	301.0	299.6	298.7	299.2	299.6	297.8	297.4	296.0	295.0	294.1	293.6
##	[865]	275.6	281.6	286.3	290.7	293.6	295.5	297.8	297.4	297.8	297.8	298.7	301.9
##	[877]	301.4	300.5	299.2	298.3	298.3	299.6	298.7	297.8	296.5	295.0	294.6	293.6
##	[889]	275.6	281.6	286.3	290.7	292.7	296.5	297.4	298.3	298.7	298.7	299.2	300.1
##	[901]	301.9	299.2	299.2	297.4	298.3	298.3	298.7	297.8	296.9	295.5	294.6	293.2
##	[913]	278.9	282.2	287.3	291.2	294.6	295.5	297.8	298.7	298.3	299.2	298.7	298.7
##	[925]	298.3	298.7	296.0	287.3	286.8	291.2	297.4	297.4	296.5	296.0	295.0	294.1
##	[937]	279.5	284.7	287.3	292.2	294.6	296.0	297.8	299.2	298.7	298.7	300.1	299.2
##	[949]	296.5	293.2	296.0	298.7	299.6	295.0	286.3	281.6	294.6	296.0	294.6	295.0
##	[961]	281.1	285.2	289.3	291.2	294.1	296.0	298.3	299.2	298.7	298.7	300.1	300.5

```

## [973] 295.5 299.6 299.2 301.0 300.1 300.5 297.8 296.5 280.5 294.6 296.0 295.0
## [985] 282.7 287.8 289.3 291.7 293.2 296.0 297.8 297.8 298.7 298.7 301.0 297.8
## [997] 299.6 302.8 300.1 300.5 300.5 301.0 299.2 299.2 280.5 285.8 292.2 295.5
## [1009] 282.7 287.8 289.3 291.7 293.6 296.0 297.4 298.7 298.7 298.7 298.7 300.1
## [1021] 302.3 300.1 300.5 301.9 301.4 300.1 298.7 296.9 300.1 278.9 283.7 284.7
## [1033] 285.8 287.8 289.8 291.7 293.6 295.0 296.9 298.7 298.3 298.7 298.3 302.8
## [1045] 298.7 298.7 301.4 301.9 301.4 300.5 299.6 298.7 301.9 289.8 283.7 284.2
## [1057] 286.8 287.8 289.8 291.7 293.6 295.0 296.9 298.3 298.7 298.7 298.7 302.3
## [1069] 296.0 295.5 301.0 302.3 301.0 299.6 300.1 298.3 299.2 300.5 290.7 298.3
## [1081] 286.8 288.8 289.8 292.2 294.1 295.5 296.9 297.4 298.3 298.7 298.7 298.7
## [1093] 296.9 300.1 302.3 301.0 300.5 298.3 299.2 299.2 295.5 299.6 301.4 303.2
## [1105] 287.3 288.8 289.8 292.2 294.1 295.5 296.5 296.9 297.4 297.8 298.7 299.2
## [1117] 298.3 298.7 298.3 299.6 299.2 299.2 298.7 299.2 297.8 300.1 299.6 301.4
## [1129] 287.3 288.3 290.2 292.2 294.1 295.5 296.0 297.4 296.9 297.8 297.8 298.3
## [1141] 298.3 295.0 297.8 298.7 298.3 297.4 297.8 296.9 296.9 300.5 302.3 300.1
## [1153] 277.8 286.8 291.2 293.6 294.6 294.6 295.5 296.9 298.3 299.6 300.1 301.0
## [1165] 300.5 300.5 299.2 299.2 300.1 300.1 299.6 299.2 298.7 297.8 297.4 297.8
## [1177] 277.3 286.8 291.2 291.2 295.5 296.9 296.5 296.9 298.7 300.1 300.5 301.4
## [1189] 301.0 301.0 299.6 299.2 300.1 300.5 299.6 299.2 298.3 297.8 297.4 297.4
## [1201] 277.3 278.9 282.7 291.2 289.3 297.4 297.8 297.8 299.2 300.1 300.5 301.0
## [1213] 301.0 300.5 299.6 299.2 300.1 300.1 299.6 298.7 297.8 296.9 296.5 296.5
## [1225] 274.4 278.9 284.7 281.1 289.3 285.2 299.2 298.7 299.6 300.5 301.0 301.4
## [1237] 301.0 300.5 299.6 299.2 299.6 300.1 299.2 298.3 298.3 296.5 296.9 296.5
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atm$mes
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```
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## [40801] 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11
## [40825] 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11
## [40849] 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11
## [40873] 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11
## [40897] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [40921] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [40945] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [40969] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [40993] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41017] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41041] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41065] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41089] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41113] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41137] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41161] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41185] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41209] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41233] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41257] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41281] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41305] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41329] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41353] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41377] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41401] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41425] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
## [41449] 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12 12
```

## 2.- Creación del gráfico

```
library(ggplot2)

GB1<-ggplot(atm, aes(x=temperatura))+
  geom_bar(colour="black")+
  ggtitle("Atmosfera")+
  xlab("temperatura")+
  ylab("Frecuencias")+
  theme_minimal()

GB1
```

