

1er Trabajo Práctico de Econometría

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Librerías

```
#|output: false
```

```
library(tidyverse) #Para manejar bases de datos
```

```
-- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
```

```
v dplyr      1.1.4      v readr      2.1.5
```

```
v forcats    1.0.0      v stringr    1.5.1
```

```
v ggplot2     3.5.1      v tibble     3.2.1
```

```
v lubridate   1.9.3      v tidyr      1.3.1
```

```
v purrr       1.0.2
```

```
-- Conflicts ----- tidyverse_conflicts() --
```

```
x dplyr::filter() masks stats::filter()
```

```
x dplyr::lag()     masks stats::lag()
```

```
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become
```

```
library(ggplot2)
```

```
library(eph)
```

```
library(knitr)      #Para las tablas
```

```
df <- get_microdata(year = 2023, trimester = 4, type = 'individual')
```

```
#|echo: false
```

```
df <- organize_labels(df=df, type='individual')
```

```
df <- df %>% mutate_at(vars(REGION, ESTADO), ~as.character(.))%>%  
  mutate_at(vars(NIVEL_ED), ~as.factor(.))
```

Nos quedamos únicamente con los jefes de hogar, hombres, con edades entre 25 y 65 años, ocupados y asalariados.

```
df2 <- df %>%
  filter(CH03 == 1,          #Jefes/as de hogar
         CH04 == 1,          #Hombres
         CH06 >= 25,         #Entre 25...
         CH06 <= 65,         #...y 65 años
         ESTADO == "Ocupado", #Ocupados
         CAT_OCUP == 3       #Asalariados
  )
```

Generamos las variables que necesitamos:

```
Warning: There was 1 warning in `mutate()`.
i In argument: `lsal = log(df$P21)`.
Caused by warning in `log()`:
! Se han producido NaNs
```

Tabla 1: Salario

P21	lsal
-9	NaN
0	-Inf
450000	13.01700
200000	12.20607
0	-Inf
0	-Inf
-9	NaN
0	-Inf
0	-Inf
400000	12.89922
0	-Inf
0	-Inf
0	-Inf
0	-Inf
0	-Inf