LAB5-MD-

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Laboratorio - PIVOTAR A LO LARGO

Instalar paquetes Cargar paquete tidyverse y readr

```
library(tidyverse)
```

```
## ── Attaching core tidyverse packages ──────────────────────── tidyverse 2.0.0 ──
## ✔ dplyr     1.1.0     ✔ readr     2.1.4
## ✔ forcats   1.0.0     ✔ stringr   1.5.0
## ✔ ggplot2   3.4.1     ✔ tibble    3.1.8
## ✔ lubridate 1.9.2     ✔ tidyr     1.3.0
## ✔ purrr     1.0.1
## ── Conflicts ────────────────────────────────────────── tidyverse_conflicts() ──
## ✖ dplyr::filter() masks stats::filter()
## ✖ dplyr::lag()    masks stats::lag()
## ℹ Use the ]8;;http://conflicted.r-lib.org/conflicted package]8;; to force all conflicts to become errors
```

```
library(readr)
```

CARGAR DATOS. Importar Dataset- Seccionar archivo ICE 2014

```
library(readr)
tabla1 <- read_csv("~/DOCTORADO 2022/SEMESTRE TRES ENE-JUL 23/correcionice-2014-lab5.csv")
```

```
## Rows: 83 Columns: 15
## ── Column specification ────────────────────────────────────────────────────────
## Delimiter: ","
## chr  (1): MUNICIPIO
## dbl (14): Km,0, Km,2, Km,4, Km,6, Km,8, km,10, km,12, km,14, km,16, km,18, k...
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

VER LA TABLA

```
head(tabla1)
```

```
## # A tibble: 6 × 15
##   MUNICIPIO   `Km,0` `Km,2` `Km,4` `Km,6` `Km,8` `km,10` `km,12` `km,14` `km,16`
##   <chr>        <dbl>  <dbl>  <dbl>  <dbl>  <dbl>   <dbl>   <dbl>   <dbl>   <dbl>
## 1 Acatlan         22     21     20     19     19      19      18      18      18
## 2 Acaxochitl…     24     27     26     25     24      22      22      22      22
## 3 Actopan         11     17     22     21     21      20      20      20      20
## 4 ABI             71     46     50     49     49      49      50      50      50
## 5 Ajacuba         30     47     44     44     43      43      43      43      43
## 6 Alfajayucan     31     16     18     20     20      21      21      21      21
## # … with 5 more variables: `km,18` <dbl>, `km,20` <dbl>, `km,22` <dbl>,
## #   `km,24` <dbl>, `km,26` <dbl>
```

NOMBRAR TABLA PARA VER TODAS LAS COLUMNAS

```
names(tabla1)
```

```
##  [1] "MUNICIPIO" "Km,0"      "Km,2"      "Km,4"      "Km,6"      "Km,8"
##  [7] "km,10"     "km,12"     "km,14"     "km,16"     "km,18"     "km,20"
## [13] "km,22"     "km,24"     "km,26"
```

paso 1.- Pivotar tabla “A LO LARGO”

```
t1_PIVOTANTE = tabla1%>%
pivot_longer (cols=c("Km,0","Km,2","Km,4","Km,6","Km,8","km,10","km,12","km,14","km,16","km,18","km,20","km,22","
km,24","km,26"), names_to = "iteracion", values_to = "ranking")
```

Ver pivotante

```
View(t1_PIVOTANTE)
```

Exportar resultado: tabla ordenada

```
write.csv(t1_PIVOTANTE, file = "ice_CHARTICULATOR.csv")
```

Escribir y guardar resultados

```
getwd()
```

```
## [1] "C:/Users/gusta/OneDrive/Documents/GitHub/JPAS_LABS24/INPUT/CUADERNOS MD"
```

```
setwd("C:/Users/gusta/OneDrive/Documents/GitHub/JPAS_LABS24/INPUT/CUADERNOS MD")
```