

SA app user data Latin America 1Dec20-1Jan22

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```
install.packages("readr")

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

install.packages("dplyr")

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

install.packages("ggplot2")

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

library(readr)
library(dplyr)

##
## 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

library(ggplot2)

LAnewusers_Dec21Jan22 <- read.csv("newusers_20201201to20220101.csv",
  skip = 1, head = FALSE, sep = ",")
```

Data cleaning

```
#columns renamed
colnames(LAnewusers_Dec21Jan22) <- c("Country_ID", "2021_01",
  "2020_12", "2021_06", "2021_11", "2021_05", "2021_02", "2021_08",
  "2021_12", "2021_07", "2021_10", "2021_09", "2021_04", "2021_03",
  "2022_01", "Totals")

#header rows and data entries for non-Wyss LA countries removed
LAnewusers_Dec21Jan22 <- LAnewusers_Dec21Jan22 %>%
  filter(Country_ID == "MX" | Country_ID == "AR" | Country_ID == "CO" |
  Country_ID == "GT" | Country_ID == "HN" | Country_ID == "PE" |
  Country_ID == "EC")
```

#reordered columns in chronological order

```
LAnewusers_Dec21Jan22 <- LAnewusers_Dec21Jan22 %>% select("Country_ID", "2020_12",  
"2021_01", "2021_02", "2021_03", "2021_04", "2021_05", "2021_06", "2021_07",  
"2021_08", "2021_09", "2021_10", "2021_11", "2021_12", "2022_01", "Totals")
```

Note to self: also could have indexed LAnewusers_Dec21Jan22[, c("Country_ID", "2020_12", "2021_01",
"2021_02", "2021_03", "2021_04", "2021_05", "2021_06", "2021_07", "2021_08", "2021_09", "2021_10",
"2021_11", "2021_12", "2022_01", "Totals")]

```
LAnewusers_Dec21Jan22_2 <- t(LAnewusers_Dec21Jan22[-1])  
colnames(LAnewusers_Dec21Jan22_2) <- LAnewusers_Dec21Jan22[, 1]
```