COVIZ: COVID-19 in Latin America

By Brandon Janes

```
library(ggplot2)
library(tidyverse)
library(dplyr)
library(data.table)
```
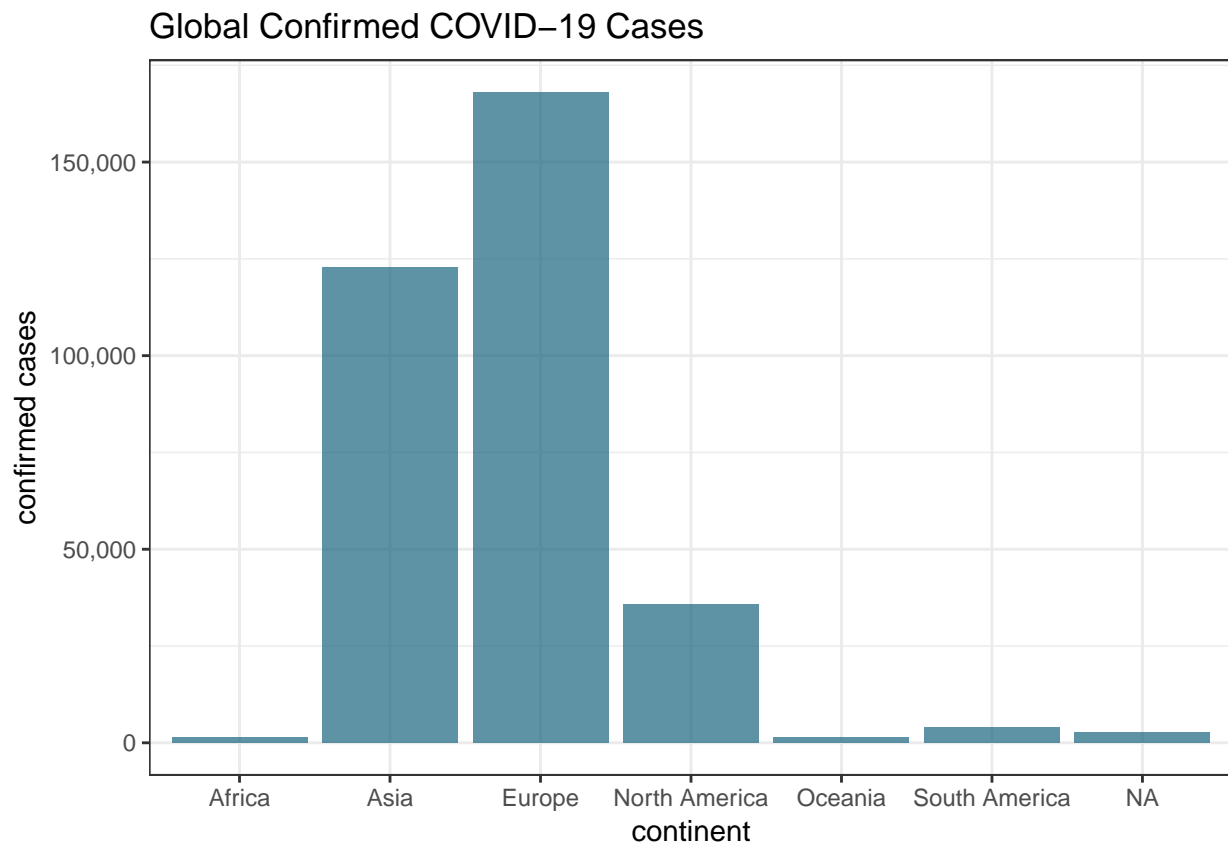
Upload Data

Data from repository for the 2019 Novel Coronavirus Visual Dashboard operated by the **Johns Hopkins University Center for Systems Science and Engineering** (JHU CSSE). Also, countries and continents from **dbouquin**.

```
confirmed <- read.csv("./data/csse_covid_19_time_series/time_series_19-covid-Confirmed.csv", stringsAsF
region <- read.csv("./data/country-continent.csv", stringsAsFactors = FALSE)
```
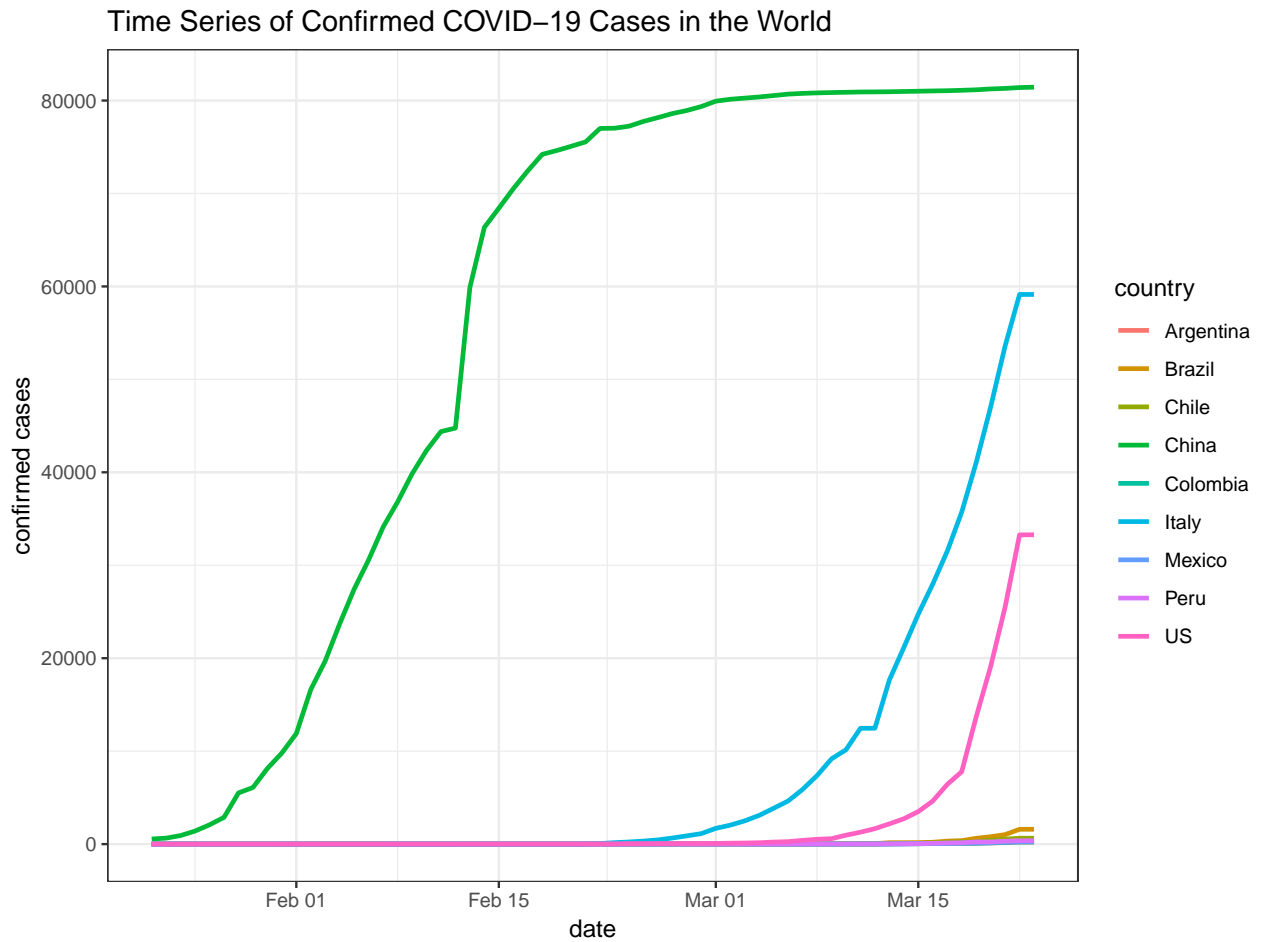
LATAM has just 1.22 percent of world wide cases.

```
ggplot(region_tot, aes(x=continent,y=totals)) + theme_bw()+ geom_bar(fill=rgb(0.1,0.4,0.5,0.7),stat="id
title = "Global Confirmed COVID-19 Cases")
```


***

LATAM compared to other countries

Latin American countries remain very low in comparison to other regions of the world

```
ggplot(df3, aes(date,confirmed, color=country)) + geom_line(size=1) + theme_bw()+ labs(y = "confirmed ca
```

Time Series of Confirmed COVID−19 Cases in the World

LATAM exponential growth

```
ggplot(march, aes(date,confirmed, color=country)) + geom_line(size=1) + theme_bw()+ labs(y = "confirmed
```

March Confirmed COVID−19 Cases in LATAM