
title: "Data Science experiment"

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output: html_document

``{r}

```
library(tidyverse)
```

```
library(gganimate)
```

```
Data <- read.csv ("full_grouped.csv", header =T)
```

```
death10 <- Data %>%
```

```
  group_by(Date) %>%
```

```
  mutate(rank = rank(-Deaths),
```

```
         Value_lbl = paste0(" ",Deaths)) %>%
```

```
  group_by(Country.Region) %>%
```

```
  filter(rank <=15) %>%
```

```
  ungroup()
```

```
staticplot = ggplot(death10, aes(rank, group = Country.Region,
```

```
                        fill = as.factor(Country.Region), color = as.factor(Country.Region))) +
```

```
  geom_tile(aes(y = Deaths/2,height = Deaths,width = 0.9), alpha = 0.8, color = NA) +
```

```
  geom_text(size=8,aes(y = 0, label = paste(Country.Region, " ")), vjust = 0.2, hjust = 1) +
```

```
  geom_text(size=8,aes(y=Deaths,label = Value_lbl, hjust=0)) +
```

```
  coord_flip(clip = "off", expand = FALSE) +
```

```

scale_y_continuous(labels = scales::comma) +
scale_x_reverse() +
guides(color = FALSE, fill = FALSE) +
theme(axis.line=element_blank(),
      axis.text.x=element_blank(),
      axis.text.y=element_blank(),
      axis.ticks=element_blank(),
      axis.title.x=element_blank(),
      axis.title.y=element_blank(),
      legend.position="none",
      panel.background=element_blank(),
      panel.border=element_blank(),
      panel.grid.major=element_blank(),
      panel.grid.minor=element_blank(),
      panel.grid.major.x = element_line( size=.1, color="grey" ),
      panel.grid.minor.x = element_line( size=.1, color="grey" ),
      plot.title=element_text(size=27, hjust=0.5, face="bold", colour="black", vjust=-1),
      plot.subtitle=element_text(size=18, hjust=0.5, face="italic", color="grey"),
      plot.caption =element_text(size=8, hjust=0.5, face="italic", color="grey"),
      plot.background=element_blank(),
      plot.margin = margin(2,4, 2, 12, "cm"))

```

```

anim = staticplot + transition_states(Date, transition_length = 4, state_length = 1) +
view_follow(fixed_x = TRUE) +
labs(title = 'Data Science experienment : {closest_state}',

```

```
    subtitle = "Top 15_Countries",  
    caption = "Top Death Cases | Data Source: WHO ")  
animate(anim, 300, fps = 30, width = 1200, height = 1000,  
        renderer = gifski_renderer("Top_15_deathrate.gif"))  
'''
```