

Modulo3 guia de Ejercicios

julio

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```
library(dplyr)
```

```
wbData1 <- readRDS("datos/wbData2019.rds")
```

pregunta 1

```
wbData2 <- wbData1 %>% rename(population = SP.POP.TOTL,  
                               lifeExpectancy = SP.DYN.LE00.IN,  
                               gdppc = NY.GDP.PCAP.PP.CD,  
                               gini = SI.POV.GINI)
```

pregunta 2

```
wbData2 <- wbData1 %>% arrange(country,year)
```

pregunta 3

```
wbData2 <- wbData1 %>% mutate(region = recode(region,  
                                              "East Asia & Pacific" = "Este Asiatico y Pacifico",  
                                              "Europe & Central Asia" = "Europa y Asia Central",  
                                              "Latin American & Caribbean" = "America Latina y el Caribe",  
                                              "Middle East & North Africa" = "Medio Oriente y Norte de Africa",  
                                              "North America" = "Norteamerica",  
                                              "South Asia" = "Asia del Sur",  
                                              "Sub-Saharan Africa" = "Africa Subsahariana"))  
  
#table(wbData2$region)  
  
regiones <- wbData2 %>%  
  distinct(region) %>%  
  count()
```

```
regiones <- wbData2 %>%
  group_by(region) %>%
  count()

wbData3 <- wbData2 %>%
  filter(region != "Aggregates")
```

```
z <- wbData2 %>% filter(!is.na(region))
```

```
zz <- wbData3 %>% distinct(country) %>%
  count()
```

```
zzz <- wbData3 %>% group_by(region) %>%
  distinct(country) %>%
  count()
```

```
library(janitor)
library(kableExtra)

wbData3 %>% group_by(region) %>%
  distinct(country) %>%
  count() %>%
  ungroup() %>%
  mutate(perc = (n/sum(n))*100) %>%
  adorn_totals("row") %>%
  kbl(booktabs = T,
      col.names = c("region", "Numero paises", "%"),
      linesep = '',
      digits = 1) %>%
  kable_styling(latex_options = c("striped"))
```

region	Numero paises	%
Asia del Sur	8	3.7
Este Asiatico y Pacifico	36	16.7
Europa y Asia Central	58	26.9
Latin America & Caribbean	42	19.4
Medio Oriente y Norte de Africa	21	9.7
Norteamerica	3	1.4
Sub-Saharan Africa	48	22.2
Total	216	100.0