Modelagem Saude-Sisvan

Panosso AR & Oliveira JA

2023-05-03

### Carregando pacotes

library(tidyverse)

### Saude estado nutricional

df\_final <- read\_rds("../data/df\_final.rds") %>%   
 select(-indice\_cri,-indice\_ado)  
  
saude\_consumo <- read\_rds("../data/consumo/consumo.rds") %>%   
 rename(id\_municipio = codigo\_ibge) %>%   
 mutate(id\_municipio = as.character(id\_municipio))  
glimpse(saude\_consumo)

## Rows: 63,004  
## Columns: 10  
## $ faixa\_etaria <chr> "2-anos-ou-mais", "2-anos-ou-mais", "2-anos-ou-mais", "~  
## $ fase\_da\_vida <chr> "adolecentes", "adolecentes", "adolecentes", "adolecent~  
## $ tipo\_relatorio <chr> "CONS\_3REFEICOES", "CONS\_3REFEICOES", "CONS\_3REFEICOES"~  
## $ ano <int> 2015, 2015, 2015, 2015, 2015, 2015, 2015, 2015, 2015, 2~  
## $ uf <chr> "SP", "SP", "SP", "SP", "SP", "SP", "SP", "SP", "SP", "~  
## $ id\_municipio <chr> "350010", "350030", "350055", "350080", "350100", "3501~  
## $ municipio <chr> "ADAMANTINA", "AGUAÍ", "ÁGUAS DE SANTA BÁRBARA", "ALFRE~  
## $ total <dbl> 5, 3, 0, 21, 4, 1, 0, 33, 10, 0, 1, 133, 92, 38, 1, 1, ~  
## $ percent <dbl> 0.8333333, 0.7500000, 0.0000000, 0.6000000, 0.8000000, ~  
## $ monitorados <dbl> 6, 4, 1, 35, 5, 1, 46, 47, 46, 11, 1, 161, 145, 48, 1, ~

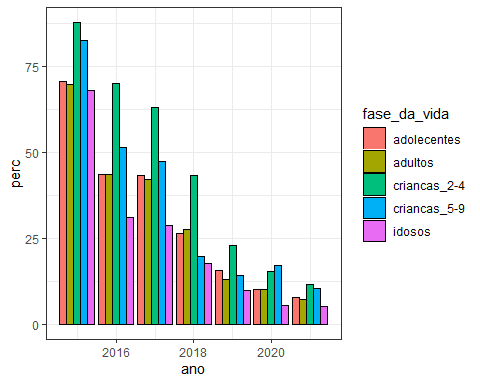
df\_nome <- read\_rds("../data/df\_nome.rds") %>%   
 mutate(id\_municipio = id\_municipio\_6) %>% select(nome, id\_municipio)  
  
saude\_consumo <- left\_join(saude\_consumo, df\_nome, "id\_municipio") %>%   
 mutate(municipio = nome) %>%   
 select(-nome)

## Três Refeições

saude\_consumo %>% pull(var = tipo\_relatorio) %>% unique()

## [1] "CONS\_3REFEICOES" "CONS\_ASSISTETV" "CONS\_BEBIDAS"   
## [4] "CONS\_EMBUT" "CONS\_FEIJAO" "CONS\_FRUTA"   
## [7] "CONS\_GULOSEIMA" "CONS\_SALGADINHO" "CONS\_ULTRA"   
## [10] "CONS\_VERD" "AMC" "BEBIDA"   
## [13] "DAM" "DOCES" "EMBUT"   
## [16] "FERRO" "FMCA" "SALGAD"   
## [19] "VITAA" "IntruducaoAlimentos" "AME"   
## [22] "ULTRA"

saude\_consumo %>% filter(tipo\_relatorio == "CONS\_3REFEICOES") %>%   
 group\_by(ano, fase\_da\_vida) %>%   
 summarise(  
 valor = sum(total),  
 total = sum(monitorados),  
 perc = valor/total \*100  
 ) %>%   
 ggplot(aes(x=ano, y=perc, fill= fase\_da\_vida)) +  
 geom\_col(position = "dodge", color="black") +  
 theme\_bw()



## grando todos

relatorio <- saude\_consumo %>% pull(var = tipo\_relatorio) %>% unique()  
  
for( i in seq\_along(relatorio)){  
 rl <- relatorio[i]  
   
 plt\_i <- saude\_consumo %>% filter(tipo\_relatorio == rl) %>%   
 group\_by(ano, fase\_da\_vida) %>%   
 summarise(  
 valor = sum(total),  
 total = sum(monitorados),  
 perc = valor/total \*100  
 ) %>%   
 ggplot(aes(x=ano, y=perc, fill= fase\_da\_vida)) +  
 geom\_col(position = "dodge", color="black") +  
 labs(title = rl) +  
 theme\_bw()  
 print(plt\_i)  
}

