HW 5 respuestas

Rossana Torres-Alvarez

2023-07-14

## Pregunta 1. Set up

## Pregunta 2. Remover las etiquetas

Antropometria<-haven::zap\_labels(Antropometria)

## Pregunta 3. Crea la variables identifier, sexo\_lab, imc e imc\_cat como en el lab5.5.R

# Crear mi identificador  
Antropometria$identifier <- factor(paste0("folio\_",  
 Antropometria$folio,  
 "\_\_intp\_",  
 Antropometria$intp))  
  
Antropometria <- Antropometria %>%   
 mutate(sexo\_lab = case\_when(sexo == 1~ "Hombre",  
 sexo == 2 ~ "Mujer"))  
  
  
  
Antropometria <- Antropometria %>%   
 mutate(imc = peso/(talla/100)^2,  
 imc\_cat = case\_when(imc < 18.5 ~ "Bajo peso",  
 imc >= 18.5 & imc < 25 ~ "Normal",  
 imc >= 25 & imc < 30 ~ "Sobrepeso",  
 imc >= 30 ~ "Obesidad"))  
  
Antropometria$imc\_cat <- factor(Antropometria$imc\_cat,  
 levels = c("Bajo peso",  
 "Normal",  
 "Sobrepeso",  
 "Obesidad"))

## Pregunta 4. Selecciona las variables: edad, sexo, peso, talla, imc\_cat y las variables de diseño de muestra: identifier, code\_upm, pondef, est\_var de la base Antropometría y guardalas en un nuevo dataframe llamado antro\_mini. Asegurate de que la variable pondef no tenga valores NA

antro\_mini\_svy <- Antropometria %>%   
 select(sexo\_lab, imc\_cat, identifier, code\_upm, pondef, est\_var) %>%   
 drop\_na(pondef)

## Pregunta 5. Intenta recrear la siguiente tabla:

options(survey.lonely.psu = "adjust")  
survey::svydesign(ids = ~identifier,  
 strata=~est\_var,  
 weights = ~pondef,  
 data=antro\_mini\_svy)%>%  
 tbl\_svysummary(by = "sexo\_lab",   
 include = c(imc\_cat),   
 label = imc\_cat ~ "Categoria de IMC",  
 digits = everything() ~ 1)

## Table printed with {flextable}, not {gt}. Learn why at  
## https://www.danieldsjoberg.com/gtsummary/articles/rmarkdown.html  
## To suppress this message, include `message = FALSE` in the code chunk header.

| **Characteristic** | **Hombre**, N = 55,590,4641 | **Mujer**, N = 59,495,3601 |
| --- | --- | --- |
| Categoria de IMC |  |  |
| Bajo peso | 12,474,803.0 (22.4%) | 12,045,058.8 (20.2%) |
| Normal | 17,772,647.7 (32.0%) | 17,700,020.4 (29.8%) |
| Sobrepeso | 15,781,771.3 (28.4%) | 15,115,038.3 (25.4%) |
| Obesidad | 9,561,241.7 (17.2%) | 14,635,242.5 (24.6%) |
| 1n (%) | | |