02\_tables.R

hategeki

2023-09-05

# Libraries ----  
pacman::p\_load(tidyverse, rio, gtsummary)  
  
# Data ----  
andorra\_clean <-  
 import("MyData/andorra\_clean.rds") %>%   
 mutate\_at(c(1,4:11), fct\_drop)  
  
# Work ----  
# 1. Summary  
 # A simple summary table for all the variables  
(summary\_table <-   
 andorra\_clean %>%   
 tbl\_summary())

## i Column(s) age and emancipative are class "haven\_labelled". This is an intermediate datastructure not meant for analysis. Convert columns with `haven::as\_factor()`, `labelled::to\_factor()`, `labelled::unlabelled()`, and `unclass()`. "haven\_labelled" value labels are ignored when columns are not converted. Failure to convert may have unintended consequences or result in error.

## \* https://haven.tidyverse.org/articles/semantics.html

## \* https://larmarange.github.io/labelled/articles/intro\_labelled.html#unlabelled

## 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** | **N = 999**1 |
| --- | --- |
| Sex |  |
| Male | 506 (51%) |
| Female | 493 (49%) |
| Age | 47 (34, 58) |
| RESEMAVAL.- Welzel emancipative values | 0.63 (0.51, 0.74) |
| Settlement type |  |
| Capital city | 274 (27%) |
| Regional center | 644 (64%) |
| Another city, town (not a regional or district center){Another city, town} | 25 (2.5%) |
| Village | 56 (5.6%) |
| Urban-Rural |  |
| Urban | 943 (94%) |
| Rural | 56 (5.6%) |
| Important in life: Family |  |
| Very important | 895 (90%) |
| Rather important | 96 (9.6%) |
| Not very important | 5 (0.5%) |
| Not at all important | 3 (0.3%) |
| Important in life: Friends |  |
| Very important | 547 (55%) |
| Rather important | 375 (38%) |
| Not very important | 69 (6.9%) |
| Not at all important | 8 (0.8%) |
| Important in life: Leisure time |  |
| Very important | 628 (63%) |
| Rather important | 324 (32%) |
| Not very important | 43 (4.3%) |
| Not at all important | 4 (0.4%) |
| Important in life: Politics |  |
| Very important | 78 (7.8%) |
| Rather important | 228 (23%) |
| Not very important | 369 (37%) |
| Not at all important | 324 (32%) |
| Important in life: Work |  |
| Very important | 570 (57%) |
| Rather important | 360 (36%) |
| Not very important | 44 (4.4%) |
| Not at all important | 25 (2.5%) |
| Important in life: Religion |  |
| Very important | 95 (9.5%) |
| Rather important | 211 (21%) |
| Not very important | 325 (33%) |
| Not at all important | 368 (37%) |
| 1n (%); Median (IQR) | |

# Save docx  
summary\_table %>%   
 as\_gt() %>%   
 gt::gtsave(file = "Results/Tables/summary\_table.docx")  
  
# Save data  
export(summary\_table, file = "MyData/2\_tables/summary\_table.rds")  
  
# 2. Emancipative: urban vs rural  
 # Test the difference in emancipative and variables related  
 # to the importance of value in life by urbanicity of region   
 # of residence.  
(emancipative\_table <-   
 andorra\_clean %>%   
 select(h\_urbrural,  
 emancipative,  
 starts\_with("q")) %>%   
 tbl\_summary(by = h\_urbrural) %>%   
 add\_p())

## i Column(s) emancipative are class "haven\_labelled". This is an intermediate datastructure not meant for analysis. Convert columns with `haven::as\_factor()`, `labelled::to\_factor()`, `labelled::unlabelled()`, and `unclass()`. "haven\_labelled" value labels are ignored when columns are not converted. Failure to convert may have unintended consequences or result in error.  
## \* https://haven.tidyverse.org/articles/semantics.html  
## \* https://larmarange.github.io/labelled/articles/intro\_labelled.html#unlabelled  
## 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** | **Urban**, N = 9431 | **Rural**, N = 561 | **p-value**2 |
| --- | --- | --- | --- |
| RESEMAVAL.- Welzel emancipative values | 0.63 (0.51, 0.74) | 0.63 (0.54, 0.73) | 0.7 |
| Important in life: Family |  |  | 0.9 |
| Very important | 845 (90%) | 50 (89%) |  |
| Rather important | 90 (9.5%) | 6 (11%) |  |
| Not very important | 5 (0.5%) | 0 (0%) |  |
| Not at all important | 3 (0.3%) | 0 (0%) |  |
| Important in life: Friends |  |  | 0.13 |
| Very important | 522 (55%) | 25 (45%) |  |
| Rather important | 352 (37%) | 23 (41%) |  |
| Not very important | 62 (6.6%) | 7 (13%) |  |
| Not at all important | 7 (0.7%) | 1 (1.8%) |  |
| Important in life: Leisure time |  |  | >0.9 |
| Very important | 592 (63%) | 36 (64%) |  |
| Rather important | 306 (32%) | 18 (32%) |  |
| Not very important | 41 (4.3%) | 2 (3.6%) |  |
| Not at all important | 4 (0.4%) | 0 (0%) |  |
| Important in life: Politics |  |  | 0.8 |
| Very important | 75 (8.0%) | 3 (5.4%) |  |
| Rather important | 214 (23%) | 14 (25%) |  |
| Not very important | 346 (37%) | 23 (41%) |  |
| Not at all important | 308 (33%) | 16 (29%) |  |
| Important in life: Work |  |  | 0.082 |
| Very important | 535 (57%) | 35 (63%) |  |
| Rather important | 345 (37%) | 15 (27%) |  |
| Not very important | 42 (4.5%) | 2 (3.6%) |  |
| Not at all important | 21 (2.2%) | 4 (7.1%) |  |
| Important in life: Religion |  |  | 0.5 |
| Very important | 87 (9.2%) | 8 (14%) |  |
| Rather important | 201 (21%) | 10 (18%) |  |
| Not very important | 310 (33%) | 15 (27%) |  |
| Not at all important | 345 (37%) | 23 (41%) |  |
| 1Median (IQR); n (%) | | | |
| 2Wilcoxon rank sum test; Fisher's exact test; Pearson's Chi-squared test | | | |

# Save docx  
emancipative\_table %>%   
 as\_gt() %>%   
 gt::gtsave(file = "Results/Tables/emancipative\_table.docx")  
  
# Save data  
export(emancipative\_table, file = "MyData/2\_tables/emancipative\_table.rds")