gtsummary in quarto

library(tidyverse)

── Attaching core tidyverse packages ──────────────────────── tidyverse 2.0.0 ──  
✔ dplyr 1.1.4 ✔ readr 2.1.5  
✔ forcats 1.0.0 ✔ stringr 1.5.1  
✔ ggplot2 3.5.1 ✔ tibble 3.2.1  
✔ lubridate 1.9.3 ✔ tidyr 1.3.1  
✔ purrr 1.0.2   
── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
✖ dplyr::filter() masks stats::filter()  
✖ dplyr::lag() masks stats::lag()  
ℹ Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors

library(gtsummary)  
nlsy\_cols <- c("glasses", "eyesight", "sleep\_wkdy", "sleep\_wknd",   
 "id", "nsibs", "samp", "race\_eth", "sex", "region",   
 "income", "res\_1980", "res\_2002", "age\_bir")  
nlsy <- read\_csv(here::here("data", "raw", "nlsy.csv"),   
 na = c("-1", "-2", "-3", "-4", "-5", "-998"),  
 skip = 1, col\_names = nlsy\_cols) |>   
 mutate(region\_cat = factor(region, labels = c("Northeast", "North Central", "South", "West")),  
 sex\_cat = factor(sex, labels = c("Male", "Female")),  
 race\_eth\_cat = factor(race\_eth, labels = c("Hispanic", "Black", "Non-Black, Non-Hispanic")),  
 eyesight\_cat = factor(eyesight, labels = c("Excellent", "Very good", "Good", "Fair", "Poor")),  
 glasses\_cat = factor(glasses, labels = c("No", "Yes")))

Rows: 12686 Columns: 14  
── Column specification ────────────────────────────────────────────────────────  
Delimiter: ","  
dbl (14): glasses, eyesight, sleep\_wkdy, sleep\_wknd, id, nsibs, samp, race\_e...  
  
ℹ Use `spec()` to retrieve the full column specification for this data.  
ℹ Specify the column types or set `show\_col\_types = FALSE` to quiet this message.

# Customization of tbl\_summary()

tbl\_summary(  
 nlsy,  
 by = sex\_cat,  
 include = c(sex\_cat, race\_eth\_cat, region\_cat,  
 eyesight\_cat, glasses, age\_bir))

| **Characteristic** | **Male** N = 6,403*1* | **Female** N = 6,283*1* |
| --- | --- | --- |
| race\_eth\_cat |  |  |
| Hispanic | 1,000 (16%) | 1,002 (16%) |
| Black | 1,613 (25%) | 1,561 (25%) |
| Non-Black, Non-Hispanic | 3,790 (59%) | 3,720 (59%) |
| region\_cat |  |  |
| Northeast | 1,296 (21%) | 1,254 (20%) |
| North Central | 1,488 (24%) | 1,446 (23%) |
| South | 2,251 (36%) | 2,317 (38%) |
| West | 1,253 (20%) | 1,142 (19%) |
| Unknown | 115 | 124 |
| eyesight\_cat |  |  |
| Excellent | 1,582 (38%) | 1,334 (31%) |
| Very good | 1,470 (35%) | 1,500 (35%) |
| Good | 792 (19%) | 1,002 (23%) |
| Fair | 267 (6.4%) | 365 (8.5%) |
| Poor | 47 (1.1%) | 85 (2.0%) |
| Unknown | 2,245 | 1,997 |
| glasses | 1,566 (38%) | 2,328 (54%) |
| Unknown | 2,241 | 1,995 |
| age\_bir | 25 (21, 29) | 22 (19, 27) |
| Unknown | 3,652 | 3,091 |
| *1*n (%); Median (Q1, Q3) | | |

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 nlsy,  
 by = sex\_cat,  
 include = c(sex\_cat, race\_eth\_cat, region\_cat,  
 eyesight\_cat, glasses, age\_bir),  
 label = list(  
 race\_eth\_cat ~ "Race/ethnicity",  
 region\_cat ~ "Region",  
 eyesight\_cat ~ "Eyesight",  
 glasses ~ "Wears glasses",  
 age\_bir ~ "Age at first birth"  
 ),  
 missing\_text = "Missing")

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Maria Paula Morning