Untitled

library(tidyverse)

## ── Attaching packages ─────────────────────────────────────── tidyverse 1.3.1 ──

## ✔ ggplot2 3.3.6 ✔ purrr 0.3.4  
## ✔ tibble 3.1.7 ✔ dplyr 1.0.9  
## ✔ tidyr 1.2.0 ✔ stringr 1.4.0  
## ✔ readr 2.1.2 ✔ forcats 0.5.1

## ── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
## ✖ dplyr::filter() masks stats::filter()  
## ✖ dplyr::lag() masks stats::lag()

library(knitr)  
library(kableExtra)

## Warning: package 'kableExtra' was built under R version 4.2.1

## Warning in !is.null(rmarkdown::metadata$output) && rmarkdown::metadata$output  
## %in% : 'length(x) = 2 > 1' in coercion to 'logical(1)'

##   
## Attaching package: 'kableExtra'

## The following object is masked from 'package:dplyr':  
##   
## group\_rows

library(devtools)

## Warning: package 'devtools' was built under R version 4.2.1

## Loading required package: usethis

## Warning: package 'usethis' was built under R version 4.2.1

library(huxtable)

##   
## Attaching package: 'huxtable'

## The following object is masked from 'package:kableExtra':  
##   
## add\_footnote

## The following object is masked from 'package:dplyr':  
##   
## add\_rownames

## The following object is masked from 'package:ggplot2':  
##   
## theme\_grey

#options(huxtable.latex\_use\_fontspec = TRUE)

load(file="headscan\_full")

#headscan\_full %>%  
 #head() %>%  
 #as\_huxtable() %>%   
 #set\_font("Times New Roman")

age\_sumstats <- headscan\_full %>%   
 summarise(n = n(),  
 min = min(age, na.rm = TRUE),  
 max = max(age, na.rm = TRUE),  
 mean = mean(age, na.rm = TRUE),  
 sd = sd(age, na.rm = TRUE),  
 se = sd/sqrt(n),  
 quant5th = quantile(age, 0.05, na.rm=TRUE),  
 quant25th = quantile(age, 0.25, na.rm=TRUE),  
 quant50th = quantile(age, 0.50, na.rm=TRUE),  
 quant75th = quantile(age, 0.75, na.rm=TRUE),  
 quant95th = quantile(age, 0.95, na.rm=TRUE),  
 na = sum(is.na(age)))  
  
age\_sumstats <- age\_sumstats %>%   
 mutate(across(where(is.numeric), round, 2))  
   
age\_sumstats %>%   
 kbl(caption = "Age SumStats") %>%   
 kable\_styling(bootstrap\_options = c("striped", "hover", "condensed"), full\_width = TRUE)

Age SumStats

n

min

max

mean

sd

se

quant5th

quant25th

quant50th

quant75th

quant95th

na

2017

18

72

36.39

11.51

0.26

19

26

37

46

54

1

raceage\_sumstats <- headscan\_full %>%   
 group\_by(race\_eth) %>%   
 summarise(n = n(),  
 min = min(age, na.rm = TRUE),  
 max = max(age, na.rm = TRUE),  
 mean = mean(age, na.rm = TRUE),  
 sd = sd(age, na.rm = TRUE),  
 se = sd/sqrt(n),  
 quant5th = quantile(age, 0.05, na.rm=TRUE),  
 quant25th = quantile(age, 0.25, na.rm=TRUE),  
 quant50th = quantile(age, 0.50, na.rm=TRUE),  
 quant75th = quantile(age, 0.75, na.rm=TRUE),  
 quant95th = quantile(age, 0.95, na.rm=TRUE),  
 na = sum(is.na(age)))  
  
raceage\_sumstats <- raceage\_sumstats %>%   
 mutate(across(where(is.numeric), round, 2))  
   
raceage\_sumstats %>%   
 kbl(caption = "Age SumStats by Race/Ethnicity") %>%   
 kable\_styling(bootstrap\_options = c("striped", "hover", "condensed"), full\_width = TRUE)

Age SumStats by Race/Ethnicity

race\_eth

n

min

max

mean

sd

se

quant5th

quant25th

quant50th

quant75th

quant95th

na

AIAN

8

27

56

43.25

11.78

4.17

27.70

33.50

45.5

53.00

56.00

0

Asian

91

18

56

33.23

11.76

1.23

18.00

21.50

31.0

42.50

54.00

0

Black

548

18

71

37.92

10.79

0.46

21.00

29.00

39.0

47.00

54.00

0

LatinX

100

18

55

34.63

11.93

1.19

19.00

23.00

34.0

44.50

53.10

1

NHOPI

4

19

40

27.00

9.76

4.88

19.15

19.75

24.5

31.75

38.35

0

Other

21

20

72

37.48

14.75

3.22

20.00

25.00

33.0

51.00

55.00

0

PTNS

5

29

40

36.60

4.72

2.11

30.20

35.00

39.0

40.00

40.00

0

white

1240

18

62

36.05

11.64

0.33

19.00

25.00

36.0

46.00

54.00

0

genderage\_sumstats <- headscan\_full %>%   
 group\_by(gender) %>%   
 summarise(n = n(),  
 min = min(age, na.rm = TRUE),  
 max = max(age, na.rm = TRUE),  
 mean = mean(age, na.rm = TRUE),  
 sd = sd(age, na.rm = TRUE),  
 se = sd/sqrt(n),  
 quant5th = quantile(age, 0.05, na.rm=TRUE),  
 quant25th = quantile(age, 0.25, na.rm=TRUE),  
 quant50th = quantile(age, 0.50, na.rm=TRUE),  
 quant75th = quantile(age, 0.75, na.rm=TRUE),  
 quant95th = quantile(age, 0.95, na.rm=TRUE),  
 na = sum(is.na(age)))  
  
genderage\_sumstats <- genderage\_sumstats %>%   
 mutate(across(where(is.numeric), round, 2))  
   
genderage\_sumstats %>%   
 kbl(caption = "Age SumStats by Gender") %>%   
 kable\_styling(bootstrap\_options = c("striped", "hover", "condensed"), full\_width = TRUE)

Age SumStats by Gender

gender

n

min

max

mean

sd

se

quant5th

quant25th

quant50th

quant75th

quant95th

na

Female

1064

18

71

36.75

11.57

0.35

20.00

26.0

38.0

47.00

54.0

1

Male

939

18

72

35.97

11.48

0.37

19.00

26.0

35.0

46.00

54.1

0

Non-binary or Other

5

29

43

34.00

5.48

2.45

29.40

31.0

32.0

35.00

41.4

0

Prefer not to say

1

39

39

39.00

NA

NA

39.00

39.0

39.0

39.00

39.0

0

NA

8

22

49

39.12

9.79

3.46

24.45

33.5

41.5

46.75

49.0

0

agegroup\_sumstats <- headscan\_full %>%   
 group\_by(age\_group) %>%   
 summarise(n = n(),  
 min = min(age, na.rm = TRUE),  
 max = max(age, na.rm = TRUE),  
 mean = mean(age, na.rm = TRUE),  
 sd = sd(age, na.rm = TRUE),  
 se = sd/sqrt(n),  
 quant5th = quantile(age, 0.05, na.rm=TRUE),  
 quant25th = quantile(age, 0.25, na.rm=TRUE),  
 quant50th = quantile(age, 0.50, na.rm=TRUE),  
 quant75th = quantile(age, 0.75, na.rm=TRUE),  
 quant95th = quantile(age, 0.95, na.rm=TRUE),  
 na = sum(is.na(age)))

## Warning in min(age, na.rm = TRUE): no non-missing arguments to min; returning  
## Inf

## Warning in max(age, na.rm = TRUE): no non-missing arguments to max; returning  
## -Inf

agegroup\_sumstats <- agegroup\_sumstats %>%   
 mutate(across(where(is.numeric), round, 2))  
   
agegroup\_sumstats %>%   
 kbl(caption = "Age SumStats by Age Group") %>%   
 kable\_styling(bootstrap\_options = c("striped", "hover", "condensed"), full\_width = TRUE)

Age SumStats by Age Group

age\_group

n

min

max

mean

sd

se

quant5th

quant25th

quant50th

quant75th

quant95th

na

18-36

992

18

36

26.19

5.60

0.18

18.00

21

26

31

35.0

0

37-54

940

37

54

45.41

4.99

0.16

37.95

41

45

50

53.0

0

55-72

84

55

72

55.96

2.94

0.32

55.00

55

55

55

61.4

0

NA

1

Inf

-Inf

NaN

NA

NA

NA

NA

NA

NA

NA

1