Test

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Contents

```
library(tablet)
library(haven)
library(yamlet)
```

```
##
## Attaching package: 'yamlet'

## The following object is masked from 'package:stats':
##
##     filter
```

```
library(magrittr)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
library(kableExtra)
```

```
##
## Attaching package: 'kableExtra'

## The following object is masked from 'package:dplyr':
##
##     group_rows

## The following object is masked from 'package:yamlet':
##
##     footnote
```

```
library(knitr)

# make adsl with imputed bmi, imputed race, and two-row footnote
d <- read_sas('adsl.sas7bdat')
m <- read_yamlet('adsl.yaml')

# fortify to mimic app.R
have <- names(d)
need <- names(m)
make <- setdiff(need, have)
for(col in make) d[[col]] <- rep(NA_integer_, nrow(d))

# ensure positive nrow
if(nrow(d) == 0) d <- d['',,drop = FALSE]

# drop unspecified
d %<>% select(!!!names(m))

# apply meta
d <- redecorate(d, m)

# # Promote NA to a level of the factor
# d %<>% resolve(exclude = NULL)
d %<>% resolve()
```

```
## Warning in match.fun(test)(val, data = data[[i]], ...): data has values not in
## Placebo, TRT 10 mg, TRT 20 mg: e.g.
```

```
## Warning in match.fun(test)(val, data = data[[i]], ...): data has values not in
## Placebo, TRT 10 mg, TRT 20 mg, TRT Total: e.g.
```

```
## Warning in match.fun(test)(val, data = data[[i]], ...): data has values not in
## White, Black, Asian, Other, : e.g. NA
```

```
foot <-
'a clinicaltrial.gov
b some other comment'
options(knitr.kable.NA = 0)
#opts_knit$set(out.format = 'latex')
# debug(tablet:::widgets.devalued)
t <- d %>%
  filter(saffl == 'Y') %>%
  group_by(trt01a) %>%
  select(age, agegr, sex, weight, bmi, race) %>%
  tablet(
    all_levels = TRUE,
    fun = list(
      sum ~  sum(x,  na.rm = TRUE),
      pct ~ signif(digits = 3,     sum / n * 100        ),
      ave ~ signif(digits = 3,    mean(x,  na.rm = TRUE)),
      std ~ signif(digits = 3,      sd(x,  na.rm = TRUE)),
      med ~ signif(digits = 3,  median(x,  na.rm = TRUE)),
```

```
      min ~ signif(digits = 3,     min(x,  na.rm = TRUE)),
      max ~ signif(digits = 3,     max(x,  na.rm = TRUE)),
      smn ~ sum(!is.na(x))
    ),
    num = list(
      n ~ smn,
      `Mean (SD)` ~  ave + ' (' + std + ')',
      Median ~  paste(med),
      `Min, Max` ~  min + ', ' + max
    ),
    fac = list(
      ` ` ~ ifelse(sum == 0, '0', sum + ' (' + pct + '%' + ')')
    )
  )
```

```
## Adding missing grouping variables: ‘trt01a‘
```

```
## Joining, by = c("Treatment", "_tablet_N", "_tablet_n", "_tablet_name", "_tablet_level")
```

```
## Joining, by = c("_tablet_N", "_tablet_n", "_tablet_name", "_tablet_level")
```

```
# reverse lookup on
imputed <- sapply(select(d, !!!make), attr, 'label')
#to substitute '-' for all imputeds

t %<>% mutate(
  across(
    .cols = -starts_with('_tablet_'),
    .fns = ~ ifelse(`_tablet_name` %in% imputed, '-', .x)
  )
)

t %>%
  as_kable %>%
  footnote(
    general = # escape_latex(
      c('a something','b something')
      # )
    ,
    fixed_small_size = TRUE,
    general_title = " ",
    threeparttable = TRUE
  ) # %>% as.character %>% writeLines
```

	Placebo	TRT 10 mg	TRT 20 mg	All
Age				
n	4	4	4	12
Mean (SD)	42 (27.1)	42.5 (15.4)	44.2 (21.2)	42.9 (19.7)
Median	42	36.5	44.5	42
Min, Max	18, 66	32, 65	18, 70	18, 70
Age Categories				
<=18 yrs	1 (25%)	0	1 (25%)	2 (16.7%)
19 - <65 yrs	1 (25%)	4 (100%)	2 (50%)	7 (58.3%)
>=65 yrs	2 (50%)	0	1 (25%)	3 (25%)
Gender				
F	2 (50%)	3 (75%)	1 (25%)	6 (50%)
M	2 (50%)	1 (25%)	3 (75%)	6 (50%)
Weight				
n	4	4	4	12
Mean (SD)	134 (28.4)	145 (16.9)	170 (26.8)	150 (27.3)
Median	130	144	158	154
Min, Max	109, 165	128, 165	154, 210	109, 210
Body Mass Index				
n	-	-	-	-
Mean (SD)	-	-	-	-
Median	-	-	-	-
Min, Max	-	-	-	-
Race				
White	-	-	-	-
Black	-	-	-	-
Asian	-	-	-	-
Other	-	-	-	-
Missing	-	-	-	-

a something
b something