Descriptive stats

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```
library(tidyverse)
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.0 --

## v ggplot2 3.3.2     v purrr   0.3.4
## v tibble  3.0.4     v dplyr   1.0.2
## v tidyr   1.1.2     v stringr 1.4.0
## v readr   1.4.0     v forcats 0.5.0

## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
library(tidyr)
library(mosaic)
```

```
## Warning: package 'mosaic' was built under R version 4.0.4

## Registered S3 method overwritten by 'mosaic':
##   method                           from
##   fortify.SpatialPolygonsDataFrame ggplot2

##
## The 'mosaic' package masks several functions from core packages in order to add
## additional features.  The original behavior of these functions should not be affected by this.

##
## Attaching package: 'mosaic'

## The following object is masked from 'package:Matrix':
##
##     mean

## The following objects are masked from 'package:dplyr':
##
##     count, do, tally

## The following object is masked from 'package:purrr':
##
##     cross
```

```
## The following object is masked from 'package:ggplot2':
##
##     stat

## The following objects are masked from 'package:stats':
##
##     binom.test, cor, cor.test, cov, fivenum, IQR, median, prop.test,
##     quantile, sd, t.test, var

## The following objects are masked from 'package:base':
##
##     max, mean, min, prod, range, sample, sum
```

```
library(ggplot2)
library(here)
```

```
## Warning: package 'here' was built under R version 4.0.4

## here() starts at C:/Users/iris_/OneDrive/Desktop/Smith/Spring 2021/PSY 364/Proj/PSY364-Yena-Iris
```

```
library(stargazer)
```

```
##
## Please cite as:

##  Hlavac, Marek (2018). stargazer: Well-Formatted Regression and Summary Statistics Tables.

##  R package version 5.2.2. https://CRAN.R-project.org/package=stargazer
```

```
library(psychTools)
```

```
## Warning: package 'psychTools' was built under R version 4.0.4

##
## Attaching package: 'psychTools'

## The following object is masked from 'package:mosaic':
##
##     read.file
```

```
library(furniture)
```

```
## Warning: package 'furniture' was built under R version 4.0.4
```

```
# import premeasures
prem <- read.csv("TeleCom_Dyad_premeasures.csv",fileEncoding = 'UTF-8-BOM')
# import daily diary
diary <- read.csv(here("TeleCom_Dyad_dailydiary.csv"))
```

```
prem$r_length <- as.Date(as.character(prem$RecordedDate), format="%m/%d/%y")-
                  as.Date(as.character(prem$relation_length), format="%m/%d/%y")

prem$r_years <- as.numeric(prem$r_length)
prem <- prem %>%
  mutate(r_years = r_years/365)
```

```
prem_select <- prem %>%
  dplyr::select(partID = ResponseId, dyadID, gender, telework = Q139, age = birthday, r_years, race, ch
```

```
prem_select <- prem_select %>%
  mutate(telework = case_when(
    telework == "Yes, I am teleworking but my partner is not" ~ 1,
    telework == "Yes, my partner is teleworking but I am not" ~ 0,
    telework == "We are both teleworking" ~ 1),
    childnum = ifelse(is.na(childnum) == T, 0, childnum),
    gender = case_when(gender == "Woman" ~ 1,
                       gender == "Woman,Cis gendered" ~ 1,
                       gender == "Man" ~ 0,
                       gender == "Man,Cis gendered" ~ 0))
```

```
prem_select <- prem_select %>%
  mutate(telework = as.factor(telework),
         gender = as.factor(gender))
```

```
stargazer(prem_select, type = "latex")
```

% Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu
% Date and time: Wed, Mar 31, 2021 - 11:53:08 PM

Table 1:

Statistic	N	Mean	St. Dev.	Min	Pctl(25)	Pctl(75)	Max
dyadID	364	26,018,185.000	9,455,389.000	377,033	28,947,773	31,423,023	33,735,733
age	364	45.802	8.350	26	39	52	74
r_years	360	18.448	10.192	−48.074	11.813	23.205	43.186
childnum	364	0.830	1.346	0	0	1	12
income	296	76,618.800	105,704.100	0.000	37,500.000	92,000.000	1,490,000.000

```
table1(prem_select, gender, age, r_years, race, childnum, income, splitby = ~telework, format_number = T
```

	0	1
	n = 79	n = 216
gender		
0	52 (65.8%)	101 (46.8%)
1	27 (34.2%)	115 (53.2%)
age		
	46.7 (8.0)	45.2 (8.5)
r_years		

	0	1
	17.6 (12.5)	18.5 (9.4)
race		
Asian or Asian American	6 (7.6%)	25 (11.6%)
Black or African American	7 (8.9%)	12 (5.6%)
Latinx or Hispanic	4 (5.1%)	14 (6.5%)
Middle Eastern	0 (0%)	2 (0.9%)
Other	0 (0%)	1 (0.5%)
Prefer not to answer	0 (0%)	2 (0.9%)
White or European American	61 (77.2%)	159 (73.6%)
White or European American,Latinx or Hispanic	1 (1.3%)	1 (0.5%)
childnum		
	0.7 (0.9)	0.9 (1.5)
income		
	62,494.7 (66,422.0)	81,768.9 (116,748.9)

Table 3:

Statistic	N	Mean	St. Dev.	Min	Pctl(25)	Pctl(75)	Max
dyadID	364	26,018,185.000	9,455,389.000	377,033	28,947,773	31,423,023	33,735,733
age	364	45.802	8.350	26	39	52	74
r_years	360	18.448	10.192	−48.074	11.813	23.205	43.186
childnum	364	0.830	1.346	0	0	1	12
income	296	76,618.800	105,704.100	0.000	37,500.000	92,000.000	1,490,000.000

Show in New WindowClear OutputExpand/Collapse Output

```
#df2latex(summary_tbl)
```

Table 4:

	telework	
	0 n = 79	1 n = 216
gender		
0	52 (65.8%)	101 (46.8%)
1	27 (34.2%)	115 (53.2%)
age		
	46.7 (8.0)	45.2 (8.5)
r_years		
	17.6 (12.5)	18.5 (9.4)
race		
Asian or Asian American	6 (7.6%)	25 (11.6%)
Black or African American	7 (8.9%)	12 (5.6%)
Latinx or Hispanic	4 (5.1%)	14 (6.5%)
Middle Eastern	0 (0%)	2 (0.9%)
Other	0 (0%)	1 (0.5%)
Prefer not to answer	0 (0%)	2 (0.9%)
White or European American	61 (77.2%)	159 (73.6%)
White or European American,Latinx or Hispanic	1 (1.3%)	1 (0.5%)
childnum		
	0.7 (0.9)	0.9 (1.5)
income		
	62,494.7 (66,422.0)	81,768.9 (116,748.9)