Assignment 4 - Starting with R

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Use R to figure out how many elements in the vector below are greater than 2

Initially, I define the vector 'rooms'. I then proceed to discard all NAs using the 'na.omit()' function. Finally, I find the amount of elements with a value above two using the 'length()' function on the following subset of 'rooms': rooms[room>2].

```
#Initializing the vector
rooms <- c(1, 2, 1, 3, 1, NA, 3, 1, 3, 2, 1, NA, 1, 8, 3, 1, 4, NA, 1, 3, 1, 2, 1, 7, 1, NA)

#Filtering out all NAs
rooms <- na.omit(rooms)

#Counting number of elements with a value above 2
length(rooms[rooms>2])
```

```
## [1] 8
```

The number of elements with a value above 2 is 8.

What is the result of running median() function on the above 'rooms' vector?

Running the 'median()' function on the na-omitted 'rooms' yields a median of 1.5

```
#Taking the median of the values in the vector
median(rooms)
```

```
## [1] 1.5
```

Download and read SAFI_clean.csv

```
#Installing packages
pacman::p_load(tidyverse)

#Creating subfolder for data
dir.create("data")
```

```
## Warning in dir.create("data"): 'data' already exists
```

```
#Downloading data
download.file("https://ndownloader.figshare.com/files/11492171", "data/SAFI_clean.csv", mode = "wb")

# Reading data
interviews <- read_csv("data/SAFI_clean.csv")
```

```
## Parsed with column specification:
## cols(
##   key_ID = col_double(),
##   village = col_character(),
##   interview_date = col_datetime(format = ""),
##   no_membrs = col_double(),
##   years_liv = col_double(),
##   respondent_wall_type = col_character(),
##   rooms = col_double(),
##   memb_assoc = col_character(),
##   affect_conflicts = col_character(),
##   liv_count = col_double(),
##   items_owned = col_character(),
##   no_meals = col_double(),
##   months_lack_food = col_character(),
##   instanceID = col_character()
## )
```