W4

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## 1

For this assignment, please submit a page of your journal showing the following solutions:

1. Use R to figure out how many elements in the vector below are greater than 2 . (You need to filter out the NAs first)

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)

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)  
#selecting elements over 2 and excluding the NAs  
above2 <- na.omit(rooms[rooms >2])  
above2

## [1] 3 3 3 8 3 4 3 7  
## attr(,"na.action")  
## [1] 2 5 9 12  
## attr(,"class")  
## [1] "omit"

There are 8 elements that are greater than 2.

## 2

1. What is the result of running median() function on the above ‘rooms’ vector? (again, best remove the NAs)

median(rooms, na.rm = T)

## [1] 1.5

Median equals to 1,5.

## 3

1. Inside your R Project (.Rproj), install the ‘tidyverse’ package and use the download.file() and read\_csv() function to read the SAFI\_clean.csv dataset into your R project as ‘interviews’ digital object (see instructions in <https://datacarpentry.org/r-socialsci/setup.html> and ‘Starting with Data’ section). Take a screenshot of your RStudio interface showing a) the script you used to create the object, b) the ‘interviews’ object in the Environment and the c) structure of your R project in the bottom right Files pane. Save the screenshot as an image and put it in your AUID\_lastname\_firstname repository inside our Github organisation (github.com/Digital-Methods-HASS). Place here the URL leading to the screenshot in your repository.

#I already have tidyverse, so I just load it  
library(pacman)  
p\_load(tidyverse)  
  
download.file("https://ndownloader.figshare.com/files/11492171",  
 "C:/Users/biasz/Documents/hewo/data/SAFI\_clean.csv", mode = "wb")  
interviews <- read\_csv("C:/Users/biasz/Documents/hewo/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()  
## )