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W46

Instructions: For this assignment, you need to answer a couple questions with code and then take a particular screenshot of your working environment.
You can submit the solutions including the URL to the screenshot typed up in a doc/pdf to Brightspace OR upload the document with solutions and the screenshot to your repository on Github and submit here (to Brightspace) only your Github URL (make sure your HW files are immediately findable there).

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

This is the code I used for it

```
R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

> rooms <- c(1, 2, 1, 3, 1, 3, 1, 3, 2, 1, 1, 8, 3, 1, 4, 1, 3, 1, 2, 1, 7, 1)
> length <- (rooms>2)
> 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)
> rooms [!is.na(rooms)]
 [1] 1 2 1 3 1 3 1 3 2 1 1 8 3 1 4 1 3 1 2 1 7 1
> rooms1 <- [!is.na(rooms)]
Fejl: uventet '[' in "rooms1 <- ["
> rooms1 <- rooms[!is.na(rooms)]
> rooms1 [rooms1>2]
[1] 3 3 3 8 3 4 3 7
> rooms2 <- rooms1[rooms1>2]
> length (rooms2)
[1] 8
>
```

2) What **type** of data is in the 'rooms' vector?

I wrote the following code “class(rooms)” and it came out as numeric as the data is numbers

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

When running the median function the result comes out as NA

```
> median(rooms)
[1] NA
>
```

This is because the function tries to read the vector as all numerics, but as there is also characters present, the function therefore can’t function.

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4) Submit the following image to Github: 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 line of code you used to create the object,

b) the 'interviews' object in the Environment

c) the file 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) or equivalent.
Place **here** the URL leading to the screenshot in your repository.