W46: Start with R

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)

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)
- **First we had to remove NA=**

rooms_no_na <- na.omit(rooms)
Becomes:1 2 1 3 1 3 1 3 2 1 1 8 3 1 4 1 3 1 2 1 7 1

Then we had to isolate all the numbers above 2=

Abovetwo <- rooms_no_na[rooms_no_na>2]
Makes vector abovetwo: 3 3 3 8 3 4 3 7

length(abovetwo) = 8

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

3) What is the result of running the median() function on the above 'rooms' vector?
The result for the line would be NA
> median(rooms)
[1] NA

 unless we were meant to find the median of the answer from question 1, in which case it is 1,5
> median(rooms_no_na3)
[1] 1.5

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, and
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.
URL: https://github.com/Digital-Methods-HASS/AU633260_Emil_Jacobsen

5) Challenge: Tidy up your Danish monarchs dataset (you created last week) sufficiently so that you can load it into R as a tibble using the read_csv() or some other:) function and calculate the mean() and median() duration of rule over time.
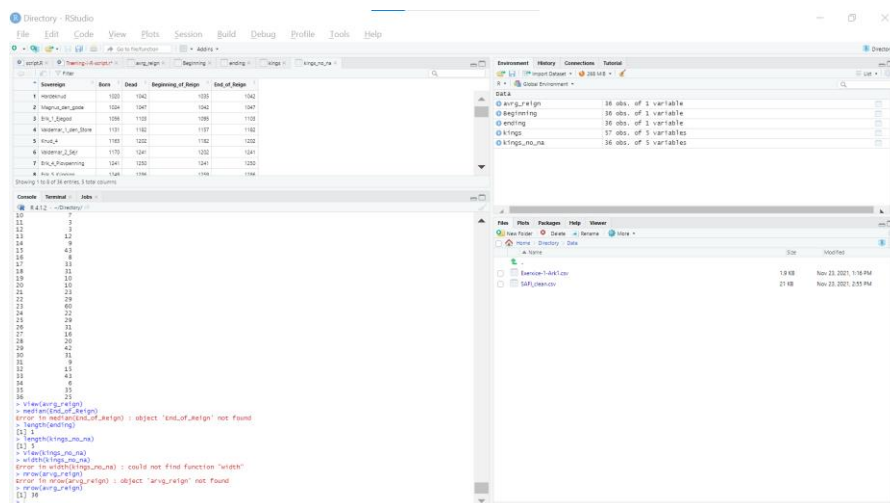
Couldn't reformat the data so to numbers so I wasn't able to use the mean and median functions on them :/

Credit to Kirstine for Konge Dataset