**W46: Start with R**

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

**rooms <- c(1, 5, 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, I type in the vector and see it in my environment
* I then want to get rid of the missing data via subsetting and type in rooms[!is.na(rooms)] and run that
* I then save that as a vector called rooms\_2 by typing in   
  rooms\_2 <- c(rooms[!is.na(rooms)])
* To find out how many elements in the vector are greater than two I type rooms\_2[rooms\_2>2] and run that
* I am then left with the elements in the vector that are bigger than 2 and they are: 5, 3, 3, 3, 8, 3, 4, 3, 7

1. **Which function tells you the type of data the 'rooms' vector above contains?**

The function typeof(rooms) tells me what kind of data the room vector contains. When running that it tells me that the data in the vector is numeric.

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

When running the median() function on the rooms vector you get an NA. That is because there is missing data in the vector. If you want to run the median() function you would first have to get rid of the missing data by subsetting. Look in question 1 for an example of how to subset.

1. **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. Take a screenshot of your RStudio interface showing**
   1. **the line of code you used to create the object,**
   2. **the 'interviews' object in the Environment, and**
   3. **the file structure of your R project in the bottom right "Files" pane.**

I have placed the SAFI\_clean.csv datasat in the “data” file, but that is not visible from the screenshot.

**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.**

The permalink leading to the screenshot in my Github repository:

<https://github.com/Digital-Methods-HASS/au640988_Thorsager_Maiken/blob/2d46c6a53b0f290cc044a4faeafa008f1223191e/w46_question4.png>

I am using the cloud version of R to read the dataset, so the screenshot might look a little different than it does when using the desktop version.