Assignment 3

**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)**

I start by creating the vector stated above. Afterwards, I create an object named **rooms\_clean** by extracting the missing values from the **rooms** vector via the NOT operator **!**. I then use the **length()** function and the “greater than” test (**>**) to print the number of values greater than 2.

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There are 9 elements in **rooms** that are greater than 2.

**2) Which function tells you the *type* of data the 'rooms' vector above contains?**

The **class()** function tells you the type of data that your input argument contains.



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

Running the **median()** function on the **rooms** vector will return NA, as the vector contains missing values. To calculate the median, we can instead use the **rooms\_clean** vector as the argument.

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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, 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.**

Link to Github:

<https://github.com/Digital-Methods-HASS/AU617938_Mohanathas_Kaarunya/blob/df5f581d34c4884d529c92701964ebf6995d6816/screenshot_rstudio_hw3.png>