**Homework Week 46**

**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, 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 removed the NA
* Second I made a new vector without NA
* Third I made a vector with the numbers above 2
* Fourth I run the length of the new vector and I got 8

Et billede, der indeholder tekst

Automatisk genereret beskrivelse

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

* The function that tells you the type of data the 'rooms' vector above contains is ”class()”

Et billede, der indeholder tekst

Automatisk genereret beskrivelse

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

* The result of running the median() function on the above 'rooms' vector is 2, because the median of the vector is 2.24 but the number is rounded

Et billede, der indeholder tekst

Automatisk genereret beskrivelse

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.

<https://github.com/Ninnanataly/AU689876>

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() and calculate the mean() and median() duration of rule over time.