

Homework 1

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Q1. Load releant libraries

```
#Packages  
library(tidyverse) #Loading Tidyverse package in the notebook  
library(haven) #for read_dta function. Importing a .dta file
```

Q2. Import Data

```
#importing dataset from the folder "Data"  
mto_data <- haven::read_dta("Data/mto_sci_puf_cells_20130206.dta")  
#acquired from http://data.nber.org/mtopuf/#PUF
```

Q3. RMarkdown formatting.

Demonstrating two lines of Header! (first line)

Second line

This phrase is in bold format

- Example of an unordered list
- No numbers, just bullet points
 - adding sub-item to the second bullet point
 - etc...
- 1. Example of an ordered list
- 2. List is numbered instead of bullets
 - a. Ordered sub-item
 - b. etc...

Adding an image



image:

Example of Inline code

Inserting an inline code using the tick mark followed by “r” which executes the inline code function embedded in Rstudio. In this example I have inserted the date and time. The current date and time is 2021-02-02 13:03:41.

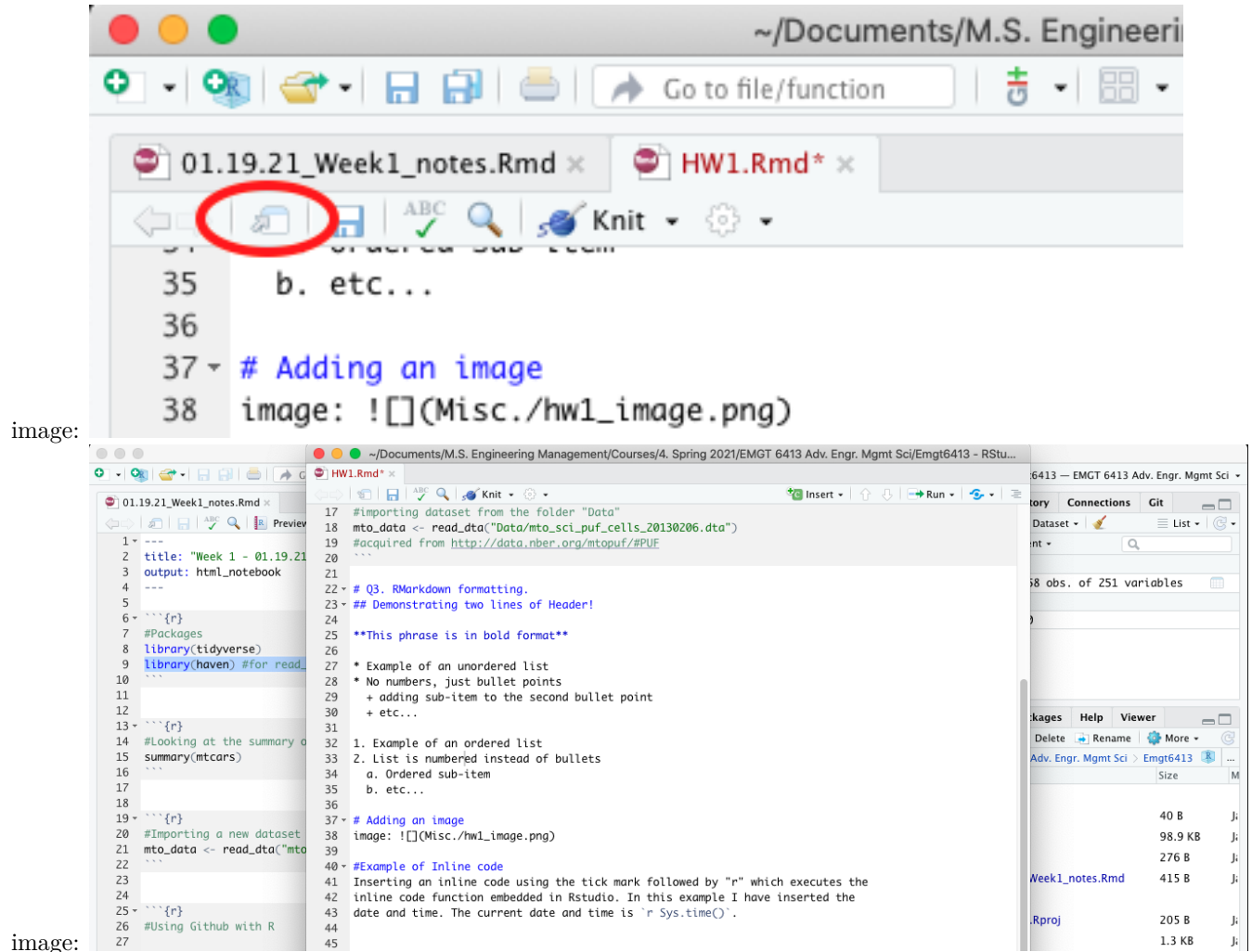
Q4. Workflow: Basics

```
my_variable <- 10  
#my_variable <- commented out because it wont execute the knit process
```

my_variable is found because of “i”. Characters are different hence Rstudio only recognizes “my_variable” with a value of 10. “my_variable” is not a value mentioned or stored before.

Q5. Workflow: scripts.

I was not aware of the option that lets us have multiple window open. The images attached shows the icon I used to open multiple windows. The option circled in red in the image is used to open multiple windows of the same Rproject. Image two shows the result.



Q6. Research Ethics

I believe the **fifth Circle: Creative Use of Outliers** will be hardest one to comprehend. Researchers and scholars may have different understandings for what qualifies to be removed from the analysis. It is widely accepted to remove participants who provide the same response to every stimuli.

I believe we can also remove participants who fail all the attention checks. But, I'm not sure if that's a clever option. Also, if they provide totally nonsensical response (ex. "apple" as response when their age was the appropriate response), can that data point or the participant responses be removed?