

# Homework 1 PDF

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## Q1: Loaded the following libraries:

```
library(tidyverse)
library(haven)
library(car)
library(Hmisc)
```

## Q2: Imported the data “mto\_sci\_puf\_cells\_20130206.dta”

```
mto_data <- read_dta("Data/mto_sci_puf_cells_20130206.dta")
mto_data
```

It was unclear from the homework instructions whether we needed to fully present the analysis of the data similar to the example. I have assumed that it was not necessary and we only needed to import the base data set to demonstrate that it was done as shown above.

## Q3: Format RMarkdown

### Small header

**Bold Text** Regular Text

### Unordered List

- Favorite Foods:
  - Filet Mignon
  - Pizza
  - Chicken Alfredo
- Least Favorite Food:

- Mushrooms
- Celery
- Sardines

## Inserted Image

My wife and I in Montmartre, Paris - Sept. 2019



## Inline Code

calculate my age by the difference in the current year and my birth year  
 $2021 - 1985 = 36$

## Q4: Workflow: Basics

The code does not work because calling the function `my_variable` is misspelled as `my_var1able` in the callout.

## Q5: Workflow: Scripts

Moving the cursor over a word and hitting `Ctrl+Alt+K` finds and selects all instances of the word under the cursor

```
45 ▾ ## inline code
46 calculate my age by the current year
47 2021 - 1985 = `r 2021 - 1985`
48
49
50 ▾ # Q4: workflow: Basics
51 The code does not work because calling the function my_variable is misspelled
52 as my_variable in the callout.
53
54
55 ▾ # Q5: workflow: scripts
56 Hitting Ctrl+Alt+K finds and selects all instances of the word under the cursor
57
```

## Q6: Research Ethics

I believe that overselling is the hardest pitfall to prevent. I hold this belief because it is the easiest trap to fall into when a researcher has dedicated a significant amount of time investigating and analyzing data. The desire for your work to mean something and be significant (and not be a waste of time) is overwhelming in this scenario. Even if you don't mean to, it can be very easy to oversell your work as important.

## Q7: Knit PDF

If you're reading this, it was a success!