Data Science 101 - Class Notes

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Concept 7

String Manipulations I

str_trim()

str_trim() - removes blank space from start and end of string

```
library(tidyverse)

feelings = c(' happy', 'joyful  ',' mad ')
str_trim(string = feelings)
```

str_view_all()

str_view_all() - shows the matches within a string

```
cool_sentence = c('I am the coolest person in the world. I have cool cars and even cooler bikes. My cool outshines all the cool.')
str_view_all(string = cool_sentence,pattern = 'cool')
```

str_detect()

str_detect() - detects if a pattern is located within a string

```
cool_sentence = c('I am the coolest person in the world. I have cool cars and even cooler bikes. My cool outshines all the cool.')
str_detect(cool_sentence,'cool')

str_detect(string = cool_sentence,pattern = 'not cool')
```

Question String Manipulation I

Within the mtcars dataframe, make the rownames a column. Name the column an appropriate name. Use the following pattern '[0-9-]' (more regex code) to detect if a number is present in the car name variable. Provide a dataframe where all the car name variable does not have numbers. Provide the dataframe with an appropriate name.