TEND_Subsetting_Data

Me

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[1] "C:/Users/adcre/OneDrive/Desktop_RStudio"

Adding libraries/packages

```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
              1.1.2
## v dplyr
                        v readr
                                     2.1.4
## v forcats
              1.0.0
                        v stringr
                                     1.5.0
              3.4.2
## v ggplot2
                        v tibble
                                     3.2.1
## v lubridate 1.9.2
                        v tidyr
                                     1.3.0
              1.0.1
## v purrr
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                    masks stats::lag()
## i Use the conflicted package (<a href="http://conflicted.r-lib.org/">http://conflicted.r-lib.org/</a>) to force all conflicts to become error
## Attaching package: 'psych'
##
##
## The following objects are masked from 'package:ggplot2':
##
##
      %+%, alpha
##
##
## Please cite as:
##
##
##
   Hlavac, Marek (2022). stargazer: Well-Formatted Regression and Summary Statistics Tables.
##
   R package version 5.2.3. https://CRAN.R-project.org/package=stargazer
```

R Markdown

This markdown will serve as a reference sheet for different subsetting methods, packages, applications, and more. More specifically, how to subset data casewise, listwise, by ID, or

by variable. Having a large and complex df could prevent you from gaining insight about specific data. Having the ability to call for certain ID numbers or variables, like gender or age, allows you to use a magnifying glass on your large df. I also plan on learning and practicing substringing values, and being able to remove the "sub" from "sub-xxxx" in the subject ID column. The key differences between substringing and subsetting is that substringing is applied to character strings like text files, and can output specific ranges or positions in a long character string. A subset is more widely used because it can be applied to data frames and other data structures. Based off of certain arguments or criteria, a subset can give you a closer look on specific points in your data structure. Subsets are represented by brackets[], and more of the syntax will be learned with time and practice.

Subsetting

4 Sarah 35 Tokyo

```
# We will first create a df that allows us to visualize subsetting, and learn the syntax used to call f
# Create a data frame
df <- data.frame(
   Name = c("John", "Emily", "David", "Sarah", "Michael"),
   Age = c(25, 32, 28, 35, 30),
   City = c("New York", "London", "Paris", "Tokyo", "Sydney")
)
# Print the data frame
print(df)</pre>
```

The first code chunk will be examples of subsetting on a simple data structure that is created within the chunk. In the interest of truly being able to apply these skills, I will use a df imported from Kaggle after this code chunk in order to test it in a real-life situation.

```
##
       Name Age
                     City
## 1
        John 25 New York
## 2
                   London
      Emily 32
## 3
      David 28
                    Paris
## 4
      Sarah 35
                    Tokyo
## 5 Michael 30
                   Sydney
# Notice the use of brackets[] and a dollar sign$ to indicate that you want to subset, and that you wou
# Subset the data frame by age, specifically ppl over the age of 30
subset_df <- df[df$Age > 30, ]
# Print the subsetted data frame
print(subset_df)
      Name Age
                 City
## 2 Emily 32 London
```

Quick note: is.na()

a logical function that checks the given the data structure and returns TRUE if there are missing values

Operators

```
# first, let's look at is.na(), '&', and '!' in action on the TEND example data
Brain_Data <- read.csv("Brain_Data.csv", header=T, sep=",", na.strings=c("NA", "888", "999"))
Behavioral_Data<-read.csv("Bx_Data.csv", header=T, sep=",", na.strings=c("NA", "888", "999"))
DATA <- merge(Brain_Data, Behavioral_Data, "ID", all=T)

# With this line of code, we are extracting all of the cases that did not have missing values in the sp
SUBdata<- subset(DATA, !is.na(DATA$CDRSR_total) & !is.na(DATA$RSFC1))
View(SUBdata)</pre>
```

operaqtors like '!' and '&' can be useful when used properly, like in conjuction with functions within a code chunk. While they don't necessarily do anything powerful, they are very useful when used!

Let's try subsetting by variables and conditions on a more realistic data set found on Kaggle. We will explore the same data set found in my "Importing_Data_Sets" repo, the Depression Dataset found at this link on Kaggle: https://www.kaggle.com/datasets/arashnic/the-depression-dataset

```
# First, I will load in the scores from the selected dataset. It can be done many ways, and should be w
dep_scores <- read_csv("scores.csv", show_col_types = FALSE)
str(dep_scores)</pre>
```

This data set is represented as 'scores.csv'in my Files

```
## spc_tbl_ [55 x 12] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
## $ number : chr [1:55] "condition_1" "condition_2" "condition_3" "condition_4" ...
## $ days
              : num [1:55] 11 18 13 13 13 7 11 5 13 9 ...
## $ gender : num [1:55] 2 2 1 2 2 1 1 2 2 2 ...
              : chr [1:55] "35-39" "40-44" "45-49" "25-29" ...
##
##
   $ afftype : num [1:55] 2 1 2 2 2 2 1 2 1 2 ...
## $ melanch : num [1:55] 2 2 2 2 2 2 NA NA NA 2 ...
## $ inpatient: num [1:55] 2 2 2 2 2 2 2 2 2 2 ...
##
              : chr [1:55] "6-10" "6-10" "6-10" "11-15" ...
## $ marriage : num [1:55] 1 2 2 1 2 1 2 1 1 1 ...
## $ work
             : num [1:55] 2 2 2 1 2 2 1 2 2 2 ...
## $ madrs1 : num [1:55] 19 24 24 20 26 18 24 20 26 28 ...
             : num [1:55] 19 11 25 16 26 15 25 16 26 21 ...
##
   $ madrs2
##
  - attr(*, "spec")=
##
    .. cols(
##
         number = col_character(),
```

```
##
          days = col_double(),
##
          gender = col_double(),
##
          age = col_character(),
          afftype = col_double(),
##
##
          melanch = col_double(),
         inpatient = col_double(),
##
         edu = col_character(),
##
          marriage = col_double(),
##
##
          work = col_double(),
          madrs1 = col_double(),
##
          madrs2 = col_double()
##
    - attr(*, "problems")=<externalptr>
# By using str(), I can view the different columns by name. This is essentially a list of the variables
dep_subset <- dep_scores[dep_scores$age == "40-44", ]</pre>
print(dep_subset)
## # A tibble: 5 x 12
##
    number
                   days gender age
                                      afftype melanch inpatient edu
                                                                       marriage work
     <chr>
                  <dbl> <dbl> <chr>
                                        <dbl>
                                                <dbl>
                                                           <dbl> <chr>
                                                                           <dbl> <dbl>
## 1 condition_2
                     18
                              2 40-44
                                            1
                                                    2
                                                               2 6-10
                                                                              2
                                                                                     2
## 2 condition_12
                     12
                              2 40-44
                                            1
                                                     2
                                                               2 6-10
                                                                              2
                                                                                     2
## 3 condition_18
                     13
                              2 40-44
                                            3
                                                    2
                                                               2 11-15
                                                                              2
                                                                                     2
## 4 control_8
                     13
                              2 40-44
                                                              NA <NA>
                                                                             NA
                                                                                    NA
                                           NA
                                                   NA
                     13
                                                              NA <NA>
                                                                             NA
                                                                                    NA
## 5 control_16
                              2 40-44
                                           NA
                                                   NA
## # i 2 more variables: madrs1 <dbl>, madrs2 <dbl>
# Notice that we used '==" instead of the logical condition '<' or '>'. So, rather than calling for sub
# What if I wanted to call for a specific ID? There is a 'number' column, and each subject is either re
test_subject1 <- dep_scores[dep_scores$number == "condition_1", ]</pre>
control_subject1 <- dep_scores[dep_scores$number == "control_1", ]</pre>
View(control_subject1)
View(test_subject1)
# After looking further into the data, I noticed that the 'gender' column has 1's and 2's, 1 presumably
male_subject_dep <- dep_scores[dep_scores$gender == 1, ]</pre>
# Let's go one step further and subset by age AND gender by using the '&' operator in the brackets. Make
new_subset <- dep_scores[dep_scores$gender == 2 &</pre>
                             dep_scores$age == "45-49", ]
View(new_subset)
```

This next code chunk will look into subsetting list-wise and case-wise!

What are the key differences between these methods of subsetting, and when would you use them? To quote GPT-4, "In summary, case-wise subsetting involves selecting specific rows based on conditions, while list-wise subsetting involves selecting specific columns."

```
# Case-wise refers to subsetting for a specific cases, or ROWS, of the data frame. You could set criter
# List-wise, on the other hand, is for when we would like to include all of the data from specific vari
# Let's use the Kaggle depression data set from the previous chunk to observe these subset methods.
dep_scores <- read_csv("scores.csv", show_col_types = FALSE)</pre>
str(dep_scores)
## spc_tbl_ [55 x 12] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
## $ number : chr [1:55] "condition_1" "condition_2" "condition_3" "condition_4" ...
             : num [1:55] 11 18 13 13 13 7 11 5 13 9 ...
## $ days
## $ gender
             : num [1:55] 2 2 1 2 2 1 1 2 2 2 ...
              : chr [1:55] "35-39" "40-44" "45-49" "25-29" ...
## $ age
## $ afftype : num [1:55] 2 1 2 2 2 2 1 2 1 2 ...
## $ melanch : num [1:55] 2 2 2 2 2 2 NA NA NA 2 ...
## $ inpatient: num [1:55] 2 2 2 2 2 2 2 2 2 2 ...
             : chr [1:55] "6-10" "6-10" "6-10" "11-15" ...
## $ edu
## $ marriage : num [1:55] 1 2 2 1 2 1 2 1 1 1 ...
              : num [1:55] 2 2 2 1 2 2 1 2 2 2 ...
## $ work
## $ madrs1 : num [1:55] 19 24 24 20 26 18 24 20 26 28 ...
## $ madrs2 : num [1:55] 19 11 25 16 26 15 25 16 26 21 ...
## - attr(*, "spec")=
##
    .. cols(
##
         number = col_character(),
    . .
##
     .. days = col_double(),
##
     .. gender = col_double(),
##
     .. age = col_character(),
##
     .. afftype = col_double(),
##
     .. melanch = col_double(),
##
     .. inpatient = col_double(),
##
     .. edu = col_character(),
##
     .. marriage = col_double(),
##
     .. work = col_double(),
##
        madrs1 = col_double(),
##
        madrs2 = col_double()
    . .
##
    ..)
## - attr(*, "problems")=<externalptr>
# First, we will look at CASE-WISE subsetting. There is a 'days' column, which we will assume refers to
subset_twowksubs <- dep_scores[dep_scores$days > 13, ]
View(subset_twowksubs)
# Now, it will return cases that are 2 weeks old or older! Thus, case-wise subsetting
# It's time to look at LIST-WISE subsetting, which is more focused on certain columns, or variables, wi
# You will notice that we start the [] section of the following code with a ','. This simply means that
listwise_subs <- dep_scores[ , c("age", "afftype", "edu")]</pre>
View(listwise_subs)
```

For our Kaggle data set, there appears to be two prefixes in the 'number' column. This chunk will sho
dep_scores <- read_csv("scores.csv", show_col_types = FALSE)
print(dep_scores)</pre>

grep! this function is from base R, and is used when pattern maqtching is needed, in this case, for a subset of prefixed rows.

```
## # A tibble: 55 x 12
##
     number
                  days gender age
                                     afftype melanch inpatient edu
                                                                    marriage work
##
      <chr>
                  <dbl> <dbl> <chr>
                                       <dbl>
                                               <dbl>
                                                        <dbl> <chr>
                                                                        <dbl> <dbl>
                                                            2 6-10
                             2 35-39
                                          2
                                                  2
                                                                            1
##
  1 condition_1
                    11
                                                                                  2
   2 condition_2
                             2 40-44
                                                  2
                                                             2 6-10
                                                                            2
                                                                                  2
##
                    18
                                          1
## 3 condition_3
                    13
                            1 45-49
                                          2
                                                  2
                                                            2 6-10
                                                                            2
                                                                                  2
                             2 25-29
                                                  2
## 4 condition_4
                    13
                                          2
                                                            2 11-15
                                                                            1
                                                                                  1
                                          2
                                                  2
                                                            2 11-15
                                                                            2
                                                                                  2
## 5 condition_5
                    13
                            2 50-54
                            1 35-39
                                          2
                                                 2
## 6 condition 6
                    7
                                                            2 6-10
                                                                            1
                                                                                  2
                                               NA
                                                                           2
## 7 condition 7
                    11
                            1 20-24
                                          1
                                                            2 11-15
                                                                                  1
## 8 condition 8
                     5
                            2 25-29
                                          2
                                                 NA
                                                            2 11-15
                                                                           1
                                                                                  2
                            2 45-49
                                                            2 6-10
                                                                                  2
## 9 condition_9
                    13
                                          1
                                                 NA
                                                                            1
## 10 condition_~
                     9
                            2 45-49
                                          2
                                                  2
                                                            2 6-10
                                                                            1
                                                                                  2
## # i 45 more rows
## # i 2 more variables: madrs1 <dbl>, madrs2 <dbl>
# Subset only the "condition" rows
condition_df <- dep_scores[grep("^condition_", dep_scores$number), ]</pre>
# Subset only the "control" rows
control_df <- dep_scores[grep("^control_", dep_scores$number), ]</pre>
# Check the subsetted data frames
str(condition_df)
## tibble [23 x 12] (S3: tbl_df/tbl/data.frame)
             : chr [1:23] "condition_1" "condition_2" "condition_3" "condition_4" ...
              : num [1:23] 11 18 13 13 13 7 11 5 13 9 ...
## $ days
## $ gender
              : num [1:23] 2 2 1 2 2 1 1 2 2 2 ...
               : chr [1:23] "35-39" "40-44" "45-49" "25-29" ...
##
   $ age
   $ afftype : num [1:23] 2 1 2 2 2 2 1 2 1 2 ...
##
## $ melanch : num [1:23] 2 2 2 2 2 2 NA NA NA 2 ...
## $ inpatient: num [1:23] 2 2 2 2 2 2 2 2 2 2 ...
## $ edu
              : chr [1:23] "6-10" "6-10" "6-10" "11-15" ...
## $ marriage : num [1:23] 1 2 2 1 2 1 2 1 1 1 ...
## $ work
             : num [1:23] 2 2 2 1 2 2 1 2 2 2 ...
## $ madrs1 : num [1:23] 19 24 24 20 26 18 24 20 26 28 ...
               : num [1:23] 19 11 25 16 26 15 25 16 26 21 ...
   $ madrs2
str(control_df)
## tibble [32 x 12] (S3: tbl_df/tbl/data.frame)
## $ number
             : chr [1:32] "control_1" "control_2" "control_3" "control_4" ...
##
  $ days
              : num [1:32] 8 20 12 13 13 13 13 13 13 8 ...
  $ gender
               : num [1:32] 2 1 2 1 1 1 1 2 2 1 ...
               : chr [1:32] "25-29" "30-34" "30-34" "25-29" ...
## $ age
## $ afftype : num [1:32] NA ...
## $ melanch : num [1:32] NA ...
## $ inpatient: num [1:32] NA ...
              : chr [1:32] NA NA NA NA ...
## $ edu
```

Subsetting Alternatives

```
# This code chunk contains many different ways to extract rows and columns with more simple syntax. dep_scores[,] # all rows and all columns
```

Below are some very useful examples that Johanna offered as alternatives to the more complex syntax or functions previously mentioned

```
## # A tibble: 55 x 12
##
      number
                    days gender age
                                       afftype melanch inpatient edu
                                                                         marriage work
##
                                         <dbl>
                                                 <dbl>
                                                                            <dbl> <dbl>
      <chr>
                   <dbl>
                          <dbl> <chr>
                                                            <dbl> <chr>
   1 condition_1
                      11
                              2 35-39
                                             2
                                                     2
                                                                2 6-10
                                                                                1
                                                                                      2
                                                                2 6-10
                                                                                2
                                                                                      2
    2 condition_2
                              2 40-44
                                                      2
##
                      18
                                             1
    3 condition 3
                              1 45-49
                                             2
                                                     2
                                                                2 6-10
                                                                                2
                                                                                      2
##
                      13
                                             2
                                                     2
##
   4 condition 4
                      13
                              2 25-29
                                                                2 11-15
                                                                                1
                                                                                      1
   5 condition_5
                      13
                              2 50-54
                                             2
                                                     2
                                                                2 11-15
                                                                                2
                                                                                      2
                                                                                      2
##
    6 condition_6
                       7
                              1 35-39
                                             2
                                                     2
                                                                2 6-10
                                                                                1
##
   7 condition 7
                              1 20-24
                                             1
                                                    NA
                                                                2 11-15
                                                                                2
                                                                                      1
                      11
                                             2
                                                                                1
                                                                                      2
##
  8 condition 8
                       5
                              2 25-29
                                                    NA
                                                                2 11-15
## 9 condition_9
                                                                2 6-10
                                                                                      2
                      13
                              2 45-49
                                             1
                                                    NA
                                                                                1
## 10 condition ~
                       9
                              2 45-49
                                             2
                                                                2 6-10
                                                                                1
                                                                                      2
## # i 45 more rows
## # i 2 more variables: madrs1 <dbl>, madrs2 <dbl>
```

```
dep_scores[1,] #first row and all columns
```

```
## # A tibble: 1 x 12
                                     afftype melanch inpatient edu
                  days gender age
                                                                       marriage
                  <dbl>
                         <dbl> <chr>
                                                          <dbl> <chr>
     <chr>>
                                        <dbl>
                                                <dbl>
                                                                          <dbl> <dbl>
                             2 35-39
                                                               2 6-10
                                                                              1
## 1 condition 1
                    11
## # i 2 more variables: madrs1 <dbl>, madrs2 <dbl>
```

```
dep_scores[1:10,] #first 10 rows and all columns
```

```
## # A tibble: 10 x 12
##
      number
                    days gender age
                                       afftype melanch inpatient edu
                                                                         marriage
                                                                                   work
##
      <chr>
                   <dbl>
                          <dbl> <chr>
                                         <dbl>
                                                 <dbl>
                                                            <dbl> <chr>
                                                                            <dbl> <dbl>
##
   1 condition_1
                              2 35-39
                                             2
                                                      2
                                                                2 6-10
                                                                                1
                                                                                      2
                      11
    2 condition 2
                              2 40-44
                                                      2
                                                                2 6-10
                                                                                2
                                                                                       2
                      18
                                             1
                                                                2 6-10
                                                      2
                                                                                2
                                                                                       2
##
   3 condition_3
                      13
                              1 45-49
                                             2
##
   4 condition 4
                      13
                              2 25-29
                                             2
                                                      2
                                                                2 11-15
                                                                                       1
                                                     2
                                                                                2
                                                                                      2
## 5 condition_5
                      13
                              2 50-54
                                             2
                                                                2 11-15
  6 condition_6
                       7
                              1 35-39
                                             2
                                                     2
                                                                2 6-10
                                                                                      2
  7 condition_7
                                                                2 11-15
                                                                                2
##
                      11
                              1 20-24
                                             1
                                                     NA
                                                                                      1
```

```
## 8 condition 8
                             2 25-29
                                            2
                                                   NA
                                                               2 11-15
                                                                                    2
                      5
                                                                              1
                                                                                    2
## 9 condition_9
                     13
                             2 45-49
                                            1
                                                   NΑ
                                                               2 6-10
## 10 condition ~
                      9
                             2 45-49
                                            2
                                                    2
                                                               2 6-10
                                                                              1
                                                                                    2
## # i 2 more variables: madrs1 <dbl>, madrs2 <dbl>
```

```
dep_scores[c(1,3),1:10] #first and third row and the first 10 columns
```

```
## # A tibble: 2 x 10
##
     number
                   days gender age
                                      afftype melanch inpatient edu
                                                                        marriage work
                                        <dbl>
                                                           <dbl> <chr>
##
     <chr>
                  <dbl>
                        <dbl> <chr>
                                                 <dbl>
                                                                           <dbl> <dbl>
## 1 condition_1
                     11
                             2 35-39
                                            2
                                                     2
                                                               2 6-10
                                                                               1
                                                                                      2
## 2 condition_3
                     13
                             1 45-49
                                            2
                                                     2
                                                               2 6-10
                                                                               2
                                                                                      2
```

Substringing

```
# To stay consistent, we will first create a simple data set wi9thin our code to visualize and practice
# Substr() takes three arguments: the character vector being modified, the starting position, and the e
#First, create the df
substr_df <- data.frame(
   ParticipantID = c("sub_1234", "sub_5678", "sub_9101", "sub_2345"),
   Score = c(15, 20, 18, 22),
   stringsAsFactors = FALSE
)

# Remove the prefix with substr(), no need to assign a variable!
substr_df$ParticipantID <- substr(substr_df$ParticipantID, start = 5, stop = 8)
print(substr_df)</pre>
```

Let's say we had a data frame, but in our subject's row3, there is a prefix called "sub_". This means that each case is represented as 'sub_XXXX'. If I wanted to remove that prefixd, or any prefixes for that matter, I would use substringing! Substringing is useful when you know the specific ranges or positions that you want to call for. In this case, we know that the last 4 characters are the ID, and we don't need the prefix. This code will show you how to solve this problem, so that subjects are only represented by integers, not a prefix as well.

```
## ParticipantID Score
## 1 1234 15
## 2 5678 20
## 3 9101 18
## 4 2345 22
```

```
dep_scores <- read_csv("scores.csv", show_col_types = FALSE)
str(dep_scores)</pre>
```

Now that we have looked at a basic example of substringing to remove unwanted prefixes, let's try it on our Kaggle depression data set

```
## spc_tbl_ [55 x 12] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
## $ number : chr [1:55] "condition_1" "condition_2" "condition_3" "condition_4" ...
              : num [1:55] 11 18 13 13 13 7 11 5 13 9 ...
## $ gender : num [1:55] 2 2 1 2 2 1 1 2 2 2 ...
              : chr [1:55] "35-39" "40-44" "45-49" "25-29" ...
## $ age
## $ afftype : num [1:55] 2 1 2 2 2 2 1 2 1 2 ...
## $ melanch : num [1:55] 2 2 2 2 2 2 NA NA NA 2 ...
## $ inpatient: num [1:55] 2 2 2 2 2 2 2 2 2 2 ...
##
              : chr [1:55] "6-10" "6-10" "6-10" "11-15" ...
## $ marriage : num [1:55] 1 2 2 1 2 1 2 1 1 1 ...
             : num [1:55] 2 2 2 1 2 2 1 2 2 2 ...
## $ madrs1 : num [1:55] 19 24 24 20 26 18 24 20 26 28 ...
             : num [1:55] 19 11 25 16 26 15 25 16 26 21 ...
   $ madrs2
## - attr(*, "spec")=
##
    .. cols(
##
         number = col_character(),
    . .
##
         days = col_double(),
##
    .. gender = col_double(),
##
       age = col_character(),
##
    . .
       afftype = col_double(),
##
    .. melanch = col_double(),
##
    .. inpatient = col_double(),
##
       edu = col_character(),
##
    .. marriage = col_double(),
##
    .. work = col_double(),
    .. madrs1 = col_double(),
##
         madrs2 = col_double()
    ..)
## - attr(*, "problems")=<externalptr>
# Using str() allows me to peek at the names of the rows that pertain to certain subjects. What I notic
# First, the method using sub()
dep_scores$number <- sub("^condition_|^control_", "", dep_scores$number)</pre>
print(dep scores)
## # A tibble: 55 x 12
     number days gender age afftype melanch inpatient edu
                                                              marriage work
     <chr> <dbl> <dbl> <chr>
                                 <dbl>
                                         <dbl>
                                                   <dbl> <chr>
                                                                  <dbl> <dbl>
##
## 1 1
               11
                       2 35-39
                                     2
                                             2
                                                       2 6-10
                                                                     1
                                                                           2
## 2 2
               18
                       2 40-44
                                             2
                                                       2 6-10
                                                                     2
                                                                           2
                                     1
## 3 3
               13
                       1 45-49
                                     2
                                             2
                                                       2 6-10
## 4 4
                       2 25-29
                                             2
                                                      2 11-15
               13
                                     2
                                                                     1
                                                                           1
## 5 5
                       2 50-54
                                     2
                                            2
                                                      2 11-15
                                                                     2
                                                                           2
               13
## 66
                7
                       1 35-39
                                     2
                                            2
                                                      2 6-10
                                                                     1
                                                                           2
```

i 2 more variables: madrs1 <dbl>, madrs2 <dbl>

1 20-24

2 25-29

2 45-49

2 45-49

11

5

13

9

7 7

88

9 9

10 10

i 45 more rows

NA

NA

NA

2

2 11-15

2 11-15

2 6-10

2 6-10

2

1

1

1

1

2

2

1

2

1

2

DURING-Session REFLECTION

I want to thank Krupali, who helped me find my way when navigating this software. I was in need of some short-term goals, and she helped contextualize RStudio in a way that inspired me to get back to the computer and keep gouing! Thank you, Krupali!

I need to look more into ifelse() statements and levelling

I noticed myself deviating from Johanna's videos and using the internet for some troubleshooting which I think is totally fine, however it ended up costing me time and cognitive load, because had I finished watching the video from Week 2, I wouldv'e learned many functions or concepts that I had trouble understanding. Instead of following her videos or even the Rmd files, I was just asking the internet for answers to questions I didn't end up needing an answer to. While I don't think it isn wise to follow only one source of content, I must realize that these skills are only useful if they make sense in your specific environment, TEND lab. If I receive advice from the internet, they won't understand the full context of the probloems i am trying to solve. THAT, is why I believe following the recordings/markdown/schedule will allow me to set realistic, useful, and short-term goals for learning RStudio and how to be of use to my peers!

POST-Session REFLECTION

TBD....