Data Management

Table of contents

```
library(tidyverse)
```

```
-- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
v dplyr     1.1.4     v readr     2.1.5
v forcats   1.0.0     v stringr   1.5.1
v ggplot2   3.5.1     v tibble    3.2.1
v lubridate 1.9.4     v tidyr     1.3.1
v purrr     1.0.4
-- Conflicts ------------------------------------------ tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to beco
```

```
library(descr)
library(knitr)
library(dplyr)
library(haven)
library(labelled)
```

```
file_path <- file.path("..","data","data_clean.sav")
```

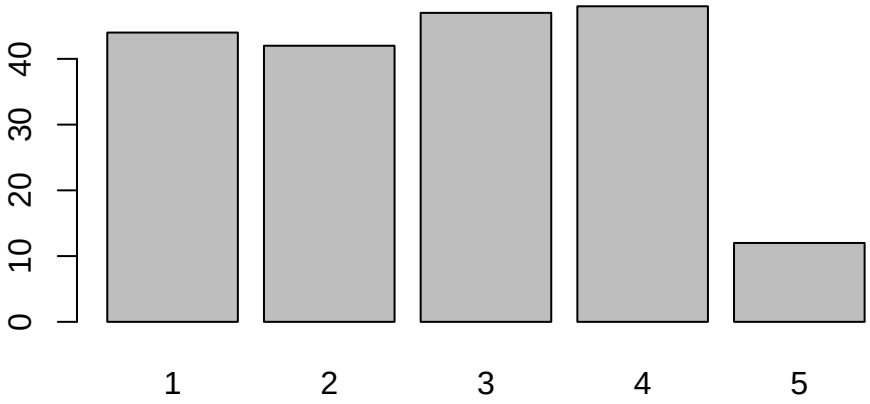
```
df <- read_sav(file_path)
```

```
head(df)
```

```
# A tibble: 6 x 167
  knowAI1   knowAI2   knowAI4_1  knowAI5 knowAI7_1 gattAI1_1 gattAI1_2 gattAI1_3
  <dbl+lbl> <dbl+lbl> <dbl+lbl>  <dbl+l> <dbl+lbl> <dbl+lbl> <dbl+lbl>     <dbl>
1 1 [Yes]   1 [Yes]   2 [Slight~ 1 [Yes] 3 [Moder~ 4 [Somew~ 4 [Somew~         3
2 1 [Yes]   2 [No]    3 [Modera~ 1 [Yes] 3 [Moder~ 1 [Stron~ 1 [Stron~         5
3 1 [Yes]   2 [No]    2 [Slight~ 1 [Yes] 3 [Moder~ 3 [Neith~ 4 [Somew~         3
4 1 [Yes]   1 [Yes]   3 [Modera~ 1 [Yes] 4 [Very ~ 4 [Somew~ 4 [Somew~         4
5 1 [Yes]   1 [Yes]   2 [Slight~ 1 [Yes] 4 [Very ~ 1 [Stron~ 4 [Somew~         2
6 1 [Yes]   2 [No]    3 [Modera~ 1 [Yes] 3 [Moder~ 4 [Somew~ 5 [Stron~         3
# i 159 more variables: gattAI1_4 <dbl+lbl>, gattAI1_5 <dbl+lbl>,
#   gattAI1_6 <dbl>, gattAI1_7 <dbl+lbl>, gattAI1_8 <dbl>, gattAI1_9 <dbl>,
#   gattAI1_10 <dbl>, gattAI1_11 <dbl+lbl>, gattAI2_1 <dbl+lbl>,
#   gattAI2_2 <dbl+lbl>, gattAI2_3 <dbl+lbl>, gattAI2_4 <dbl+lbl>,
#   gattAI2_5 <dbl>, gattAI2_6 <dbl+lbl>, gattAI2_7 <dbl+lbl>,
#   gattAI2_8 <dbl+lbl>, gattAI2_9 <dbl>, gattAI2_10 <dbl>,
#   cog_read_1 <dbl+lbl>, cog_read_2 <dbl+lbl>, cog_read_3 <dbl+lbl>, ...
```

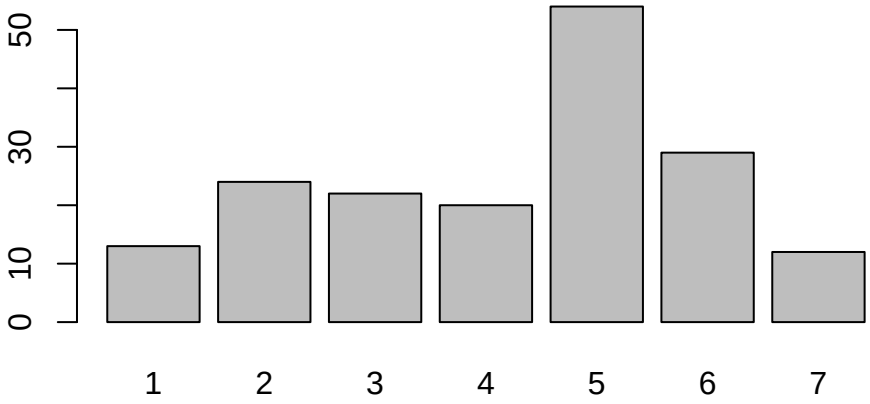
```
library(descr)
```

```
freq(as.ordered(df$gattAI2_8))
```



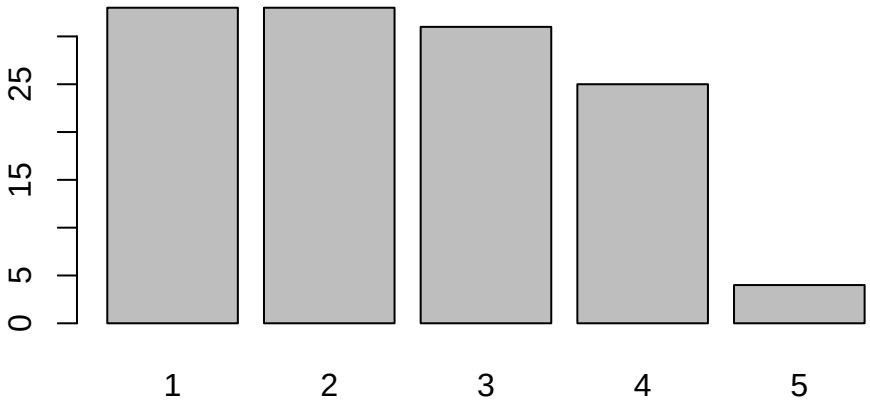

```
as.ordered(df$gattAI2_8)
      Frequency Percent Valid Percent Cum Percent
1            44  15.385        22.798       22.80
2            42  14.685        21.762       44.56
3            47  16.434        24.352       68.91
4            48  16.783        24.870       93.78
5            12   4.196         6.218      100.00
NA's         93  32.517
Total       286 100.000       100.000
```

```
freq(as.ordered(df$job_anx_2))
```




```
as.ordered(df$job_anx_2)
      Frequency Percent Valid Percent Cum Percent
1            13   4.545         7.471       7.471
2            24   8.392        13.793      21.264
3            22   7.692        12.644      33.908
4            20   6.993        11.494      45.402
5            54  18.881        31.034      76.437
6            29  10.140        16.667      93.103
7            12   4.196         6.897     100.000
NA's        112  39.161
Total       286 100.000       100.000
```

```
freq(as.ordered(df$attitude2_1))
```




```
as.ordered(df$attitude2_1)
```

```
      Frequency Percent Valid Percent Cum Percent
1            33  11.538        26.190       26.19
2            33  11.538        26.190       52.38
3            31  10.839        24.603       76.98
4            25   8.741        19.841       96.83
5             4   1.399         3.175      100.00
NA's        160  55.944
Total       286 100.000       100.000
```

```
sum(is.na(df$gattAI2_8))
```

```
[1] 93
```

```
sum(is.na(df$job_anx_2))
```

```
[1] 112
```

```
sum(is.na(df$attitude2_1))
```

```
[1] 160
```

The frequency tables above display the data regarding psychotherapists' desire to use AI in their job, their fear about becoming dependent on the technology and losing reasoning skills, and their belief as to whether or not AI incorporation is a good idea. I chose to represent those three variables because together they offer a general summary about mental health professionals' preconceived beliefs, attitudes, and willingness to incorporate AI technology into their practice. The data rates the psychotherapists' responses from a scale of 1, meaning strongly disagree, to 5 or 7, meaning strongly agree.