

# Exercises 5

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## Exercises 5

```
#install.packages("tidyverse")
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  1.9.3      v tidyr     1.3.1
## v purrr      1.0.2
## -- 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 become errors
```

### 1. Load the data called domestic violence

```
dat <- read_csv("data/domestic_violence.csv")

## Rows: 347 Columns: 7
## -- Column specification -----
## Delimiter: ","
## chr (4): Education, Employment, Marital status, Violence
## dbl (3): SL. No, Age, Income
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.

dat
```

```
## # A tibble: 347 x 7
##   `SL. No`   Age Education Employment Income `Marital status` Violence
##   <dbl> <dbl> <chr>      <chr>      <dbl> <chr>      <chr>
## 1         1    30 secondary unemployed      0 married      yes
## 2         2    47 tertiary unemployed      0 married      no
## 3         3    24 tertiary unemployed      0 unmarred     no
## 4         4    22 tertiary unemployed      0 unmarred     no
## 5         5    50 primary  unemployed      0 married      yes
## 6         6    21 tertiary unemployed      0 unmarred     yes
## 7         7    30 tertiary unemployed      0 married      no
```

```
##      8      8      27 tertiary unemployed      0 married      no
##      9      9      20 tertiary unemployed      0 unmarried     no
##     10     10      18 secondary unemployed      0 married      no
## # i 337 more rows
```

Answer: I loaded the data.

## 2. What type of stat variable is Employment?

Answer:

## 3. What categories does it have?

Answer:

## 4. Do quantitative EDA for Employment.

Answer:

## 5. Do visual EDA for Employment.

Answer:

## 6. What kind of variables are Marital status (and why does it have single quotes around it) and violence?

Categorical, and Marital status has quotes because it has a space in the name.

## 7. Make a contingency table of both Marital status and Violence

Answer: