

Explore Campusbier Sales Data

Exercise 1: Determine dimensions

Determine the number of columns and rows of the data set. You will find that there are several ways to do this. Also, find a way to store both sizes on one variable each. This can be important, for example, if you want to work with the sizes in the further course of the script.

Exercise 2: Useful exploration functions

Research and test the following functions. Write down in your own words what each function returns:

- `head()`
- `tail()`
- `print()`
- `sample_n()`
- `glimpse()`
- `summary()`
- `colnames()`

What parameters can you pass to each function? What would you use the functions for?

Exercise 3: Determine data types

Find a way to output the data type for each column on the console!

- Which data types are represented?
- In your view, have all columns been recognized correctly?

Exercise 4: The `{skimr}` package

Install the `{skimr}` package by executing the following line:

```
install.packages("skimr")
```

Now consider the function `skim()`.

- What does the function determine when we pass it a data set?
- Use the function to output only the percentage of missing values (NA) for each column on the console!