

# Explore Campusbier Sales Data

## Practice Exercise

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### 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!