Data Analysis

Dr. Muhammad Saufi

2024-08-14

Contents

1	Setting the Environment		
	1.1	Loading the Packages	1
2	Dataset		
	2.1	Reading the Dataset	2
	2.2	Exploring the Dataset	2

1 Setting the Environment

1.1 Loading the Packages

```
# Load the packages into R session
library(tidyverse)
```

Warning: package 'tidyverse' was built under R version 4.4.1

2 Dataset

2.1 Reading the Dataset

```
# Import the dataset into workspace
penguins <- read_csv("Datasets/penguins.csv")

Rows: 340 Columns: 9
-- Column specification ------
Delimiter: ","
chr (3): species, island, sex
dbl (6): rowid, bill_length_mm, bill_depth_mm, flipper_length_mm, body_mass_...

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.</pre>
```

2.2 Exploring the Dataset

```
# Get a quick overview of dataset glimpse(penguins)
```

```
Rows: 340
Columns: 9
$ rowid
                    <dbl> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 1~
                    <chr> "Adelie", "Adelie", "Adelie", "Adelie", "Adelie", "A~
$ species
$ island
                    <chr> "Torgersen", "Torgersen", "Torgersen", "Torgersen", ~
                    <dbl> 39.1, 39.5, 40.3, NA, 36.7, 39.3, 38.9, 39.2, 34.1, ~
$ bill_length_mm
                    <dbl> 18.7, 17.4, 18.0, NA, 19.3, 20.6, 17.8, 19.6, 18.1, ~
$ bill_depth_mm
$ flipper_length_mm <dbl> 181, 186, 195, NA, 193, 190, 181, 195, 193, 190, 186~
$ body_mass_g
                    <dbl> 3750, 3800, 3250, NA, 3450, 3650, 3625, 4675, 3475, ~
$ sex
                    <chr> "male", "female", "A, "female", "male", "f~
                    <dbl> 2007, 2007, 2007, 2007, 2007, 2007, 2007, 2007, 2007
$ year
```