Exploratory Data Analysis
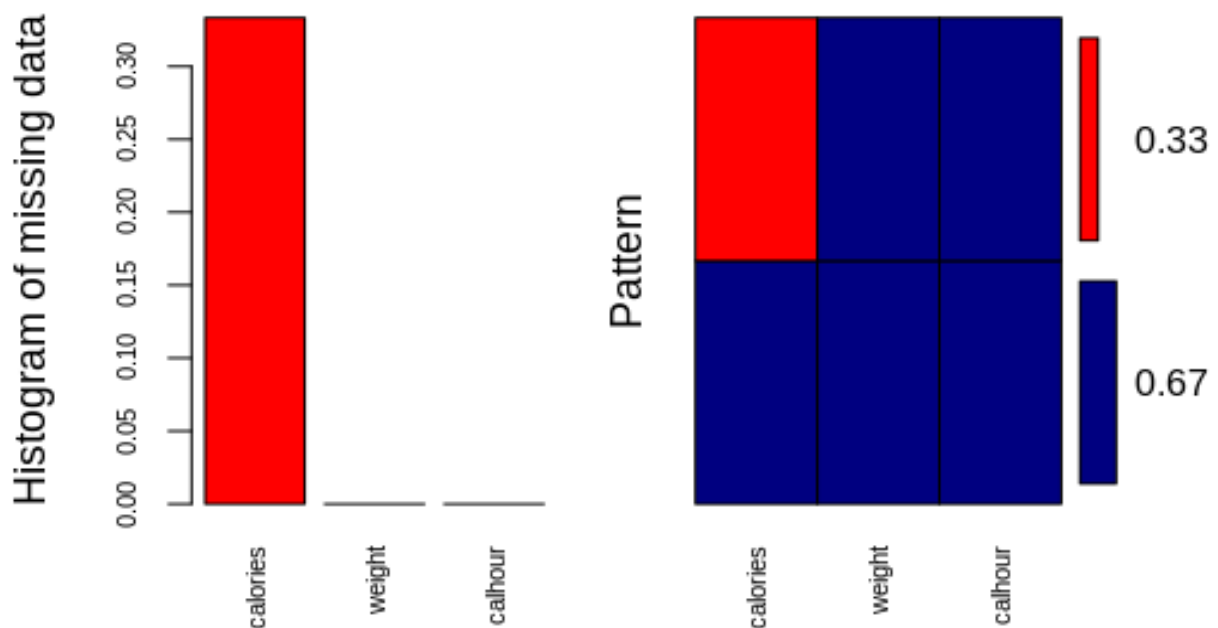
Calories burnt – Muscle incomplete

1. Summary statistics

Number of observations	24
Number of variables	3

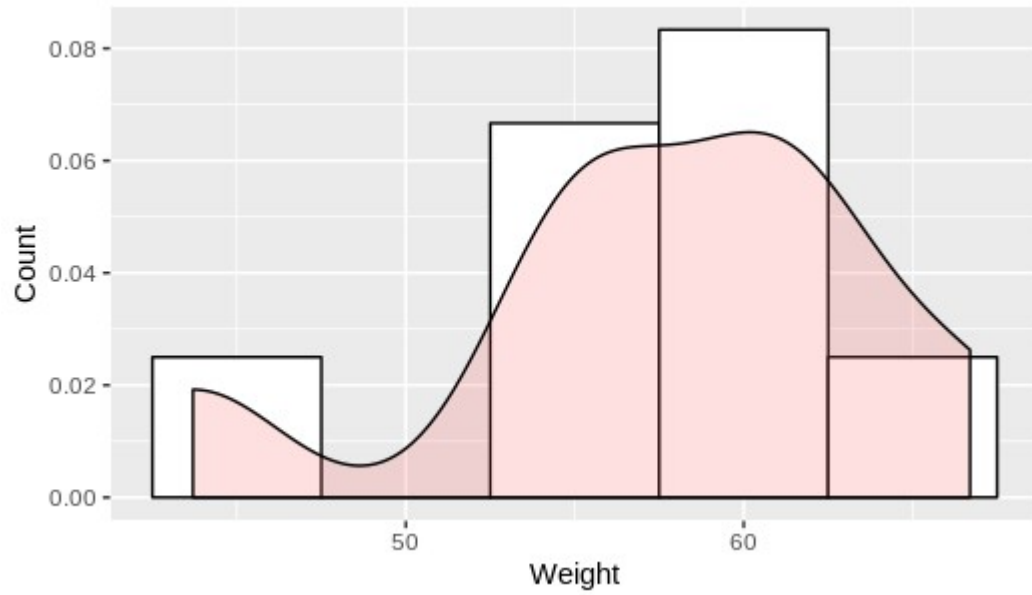| Variable	n	Missing values	Complete	Mean	Sd	P0	P25	P50	P75	P100
Calories	24	8	16	297,12	45,87	212	275,5	302	337,75	352
Calhour	24	0	24	34,04	16,36	13	19	38,75	43	56
Weight	24	0	24	57,54	6,59	43,7	54,6	58,8	61,9	66,7

2. Missing values

In the dataset, there are only missing values in the calories variable which correspond to 33,3% of the whole data.
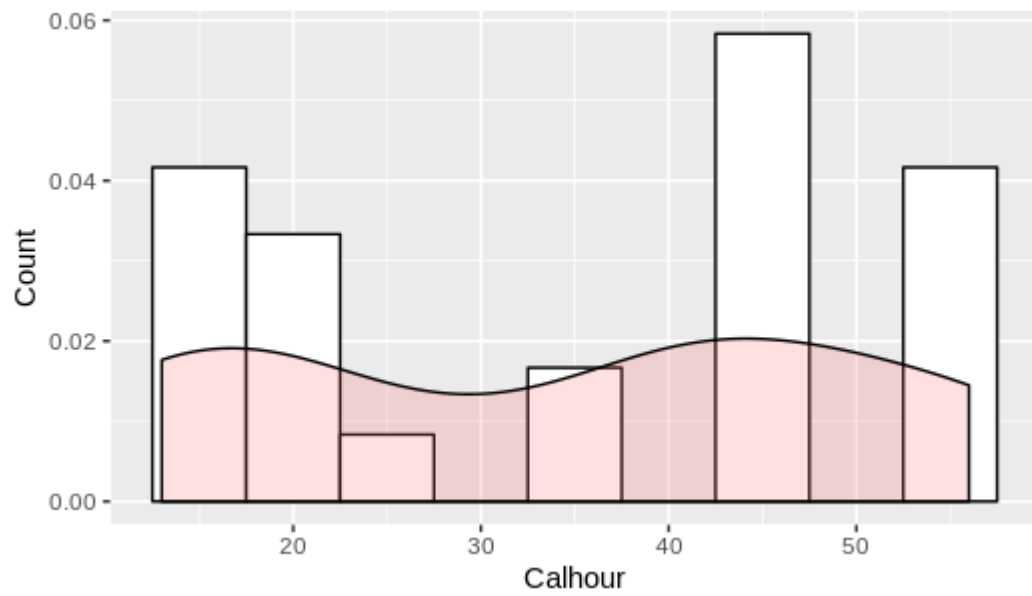
3. Graphs

- Histograms and density plot

Histogram for Weight

Histogram for Calhour

Histogram for Calories

Remark: the 8 missing values were remove to make this plot.

4. Correlation matrix

	Weight	Calhour	Calories
Weight	1	-0,02687	NA
Calhour	-0,02687	1	NA
Calories	NA	NA	1

Remark: correlation between calories are not calculated since there are missing values!