Course Name

Assignment 1

First Name Surname

UCO

Field of Study XY

Faculty of Informatics
Masaryk University

April 10, 2020

Exercise 1

Text. Commentary on the approach to solving the exercise, theoretical derivation if the assignment asks for it.

Text. Paragraphs are separated by an empty line.

Implementation in R

```
1  ## this is so called chunk, where you write R-code, including loading
       data and libraries
2  library(xtable)
3
4  baschar <- function(x){
5    ## function for computing number of observations, mean and standard
         deviation
6    # input: x ... vector of observations
7    # output: vector containing number of observation, mean and standard
         deviation
8    v1 <- c(length(x), mean(x), sd(x))
9    return(v1)
10 }
11
12 obs <- rnorm(100,0,5)
13 characteristics <- baschar(obs)
14 char.mat <- matrix(characteristics, nrow=1, dimnames = list('name of
       variable', c('n', '$\\overline{x}$', '$s$')))
```

Results and interpretation

Text. Results in table or graphic form. Commentaries and interpretation of the results.

Interpretation. Text. Commentary relating to tables and figures.

	n	$\overline{x}$	s
name of variable	100	0.37	5.31

Table 1: Characteristics of (name of variable)

```
15 hist(obs, main='', xlab='name of variable', ylab='frequency')
```

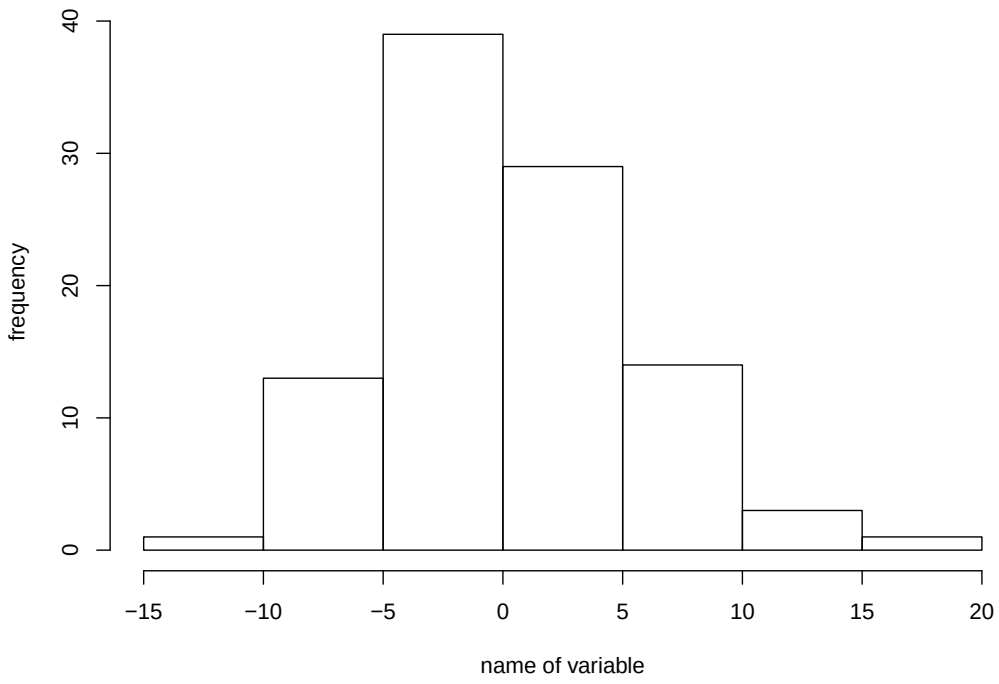

Figure 1: Histogram of (name of variable)

Exercise 2

Don't forget to check, whether you included all required outputs in each exercise.