

Assignment 1

(note: **no cover page** necessary)

If you do not adhere to the rules presented in this file, the grader will first give you a warning. If the situation repeats, the grader can subtract up to 1 point (out of 10).

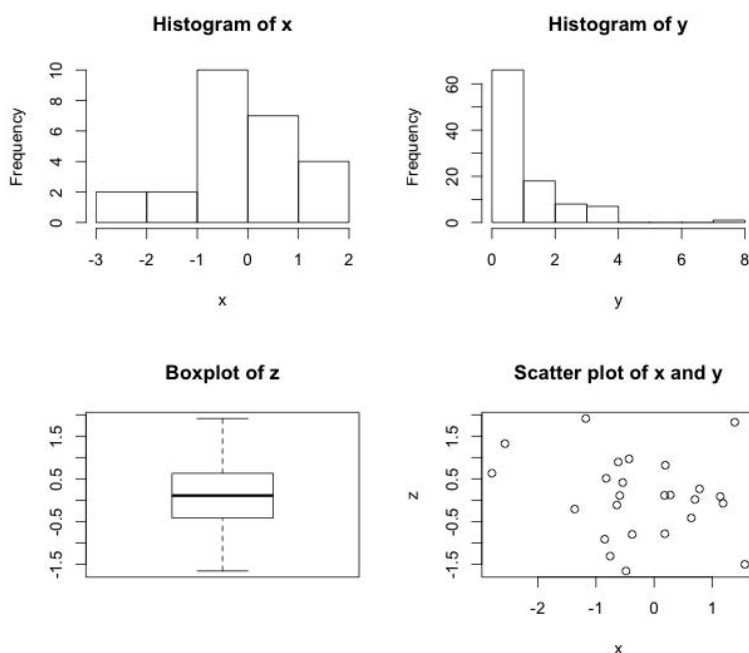
Exercise 1.1

Write in **English**. **Do not copy the question**, just write your answer. Write a compact answer, in your own words. It should convince the grader that you understand the theory and can interpret the results. **No lengthy answers, but of course, do not leave out any essentials**, since it should convince us that you understand the theory.

Always use proper rounding. In most cases **2-3 digits** after the decimal point suffice. For instance:

- $0.015435234 \rightarrow 0.015$
- $0.4232 \rightarrow 0.42$
- $7e-4 = 0.0007 \rightarrow 0.001$

Figures can be small. You can put **two figures (or more) next to each other**. Use `par(mfrow=c(n,m))` to create n by m plots in one picture in R.



Make sure you figures are neat:

- axis labels
- a title
- it shows all the data

(Perhaps **new page** for appendix)

Appendix

Exercise 1.4

```
> x=rnorm(25)
> hist(x)
> y=rexp(100)
> hist(y)
```

Put only relevant R-code in the appendix (i.e. delete all unnecessary lines, which did not work). Do not place any explanations here.