Student name (student nr) & Student name (student nr) – Group VU/UvA number

Assignment 1

(note: no cover page necessary, **be concise**, a solution is typically a few pages, not 10, excluding appendix)

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).

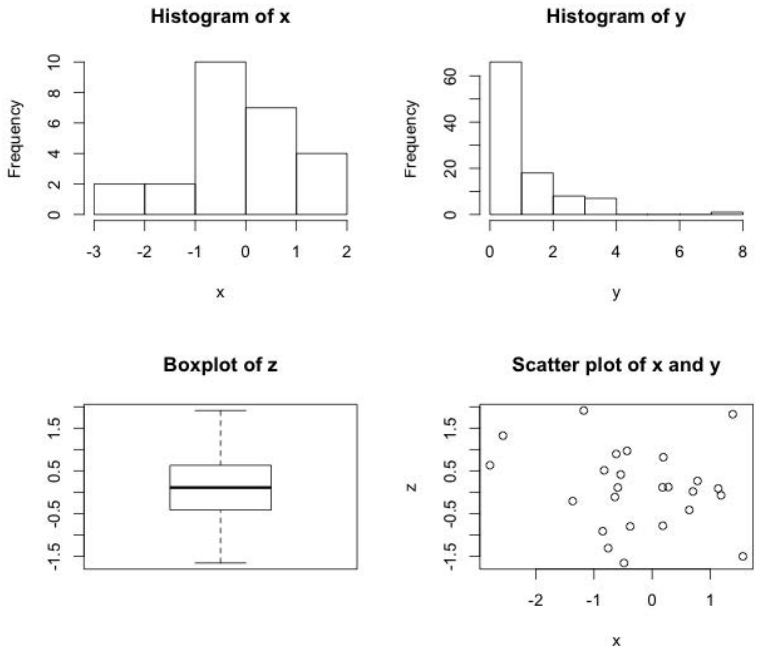
Exercise 1.1

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~~ → 0.015
- ~~0.4232~~ → 0.42
- ~~7e-4~~ = ~~0.0007~~ → 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.