Homework 1

Instructor: Prof. XXX   Student: Your Name

Disclaimer: *This homework has not been subjected to the usual scrutiny reserved for formal publications.*   Last Modified: 2018-01-03

1.1   Produce plots with captions

```
x <- seq_len(20)
y <- x
plot(x,y,type="l")
```
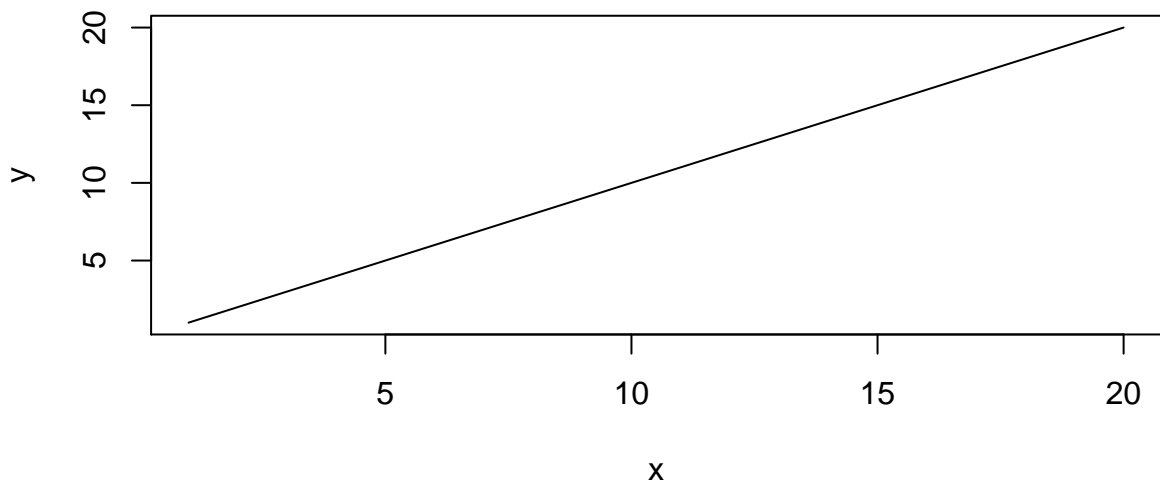

Figure 1.1: This plot represents y=x.

1.2   Produce tabels with captions

Table 1.1: Information for kids.

	name	age	sex
1	Kate	10	female
2	John	20	male

1.3   Use Citation

From 1.1, we know that ... From 1.1, we know that ... As Nesterov pointed out in [1], we know that ...

Reference

[1] Y. Nesterov, *Introductory lectures on convex optimization: A basic course*, vol. 87. Springer Science & Business Media, 2013.