Machine Learning - Homework 02

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Exercise 1:

Table 1 describes the mean and the standard deviations of x_1, x_2, x_3:

	Mean	Std
x_1	15.00	4.966
x_2	-0.45	1.369
x_3	0.00	1.825

Table 1: Mean and the standard deviations of x_1, x_2, x_3

Table 2 describes the normalized data:

	D_1	D_2	D_3	D_4
x_1	-0.60	1.21	0.4	-1.01
x_2	-1.13	-0.40	1.2	0.33
x_3	-0.55	1.10	-1.1	0.55

Table 2: Normalized data

Exercise 2:

The code for this exercise is attached in the mail.

Exercise 3:

The line which should be changed is:

```
error <- BNorm[3,i]-prediction
```

and it should be remplaced by:

```
error <- BNorm[3,i]-(w0+w1*BNorm[1,i]+w2*BNorm[2,i])
```