Compulsory exercise 1: Group 4
TMA4268 Statistical Learning V2021

NN1, NN2 and NN3 (full names of all group members)

08 februar, 2021

Problem 1

a)

b)

c)

```r
id <- "1X_8OKcoYbng1XvYFDirxjEWr7LtpNr1m" # google file ID
values <- dget(sprintf("https://docs.google.com/uc?id=%s&export=download", id))

X = values$X
dim(X)
```

```
## [1] 100  81
```

```r
x0 = values$x0
dim(x0)
```

```
## [1] 81  1
```

```r
beta=values$beta
dim(beta)
```

```
## [1] 81  1
```

```r
sigma=values$sigma
sigma
```

```
## [1] 0.5
```

d)

e)

f)

Problem 2

a)

b)

c)

d)

Problem 3

a)

b)

c)

d)

Problem 4

a)

b)

Problem 5

a)

b)