

lab8_test.R

sathvik

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```
d<-read.csv("/home/sathvik/EC8/ML/Lab/Lab8/Data.csv")
str(d)
```

```
## 'data.frame':  4 obs. of  2 variables:
## $ X1.006: num  2.01 3.01 4.01 5
## $ X31.25: num  59.5 99.4 118.3 198.3
```

```
library(neuralnet)
```

```
m<-neuralnet(X31.25 ~ .,data=d, hidden=2)
plot(m)
```

```
d[5,]=c(3.4,0)
model_results <- compute(m, d[5,])
p <- model_results$net.result
p
```

```
##           [,1]
## [1,] 118.8789
```

```
m$weights[[1]][[1]][1,]=c(12.30144,12.32757)
m$weights[[1]][[1]][2,]=c(12.3904,12.14923)
m$weights[[1]][[2]][1,]=38.06139
m$weights[[1]][[2]][2,]=39.08319
m$weights[[1]][[2]][3,]=41.73382
plot(m)
```

```
d[5,]=c(3.4,0)
model_results <- compute(m, d[5,])
p <- model_results$net.result
p
```

```
##           [,1]
## [1,] 118.8784
```