Neural-Net.R

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#creating training dataset  
TKS = c(20,10,30,20,80,30)  
CSS = c(90,20,40,50,50,80)  
Placed = c(1,0,0,0,1,1)  
#here, you will combine multiple columns or features into a single set of data  
df = data.frame(TKS,CSS,Placed)  
require(neuralnet)

## Loading required package: neuralnet

nn = neuralnet(Placed~TKS+CSS, data = df, hidden = 3, act.fct = "logistic",linear.output = FALSE)  
plot(nn)  
#creating test set  
TKS = c(30,40,85)  
CSS = c(85,50,40)  
test = data.frame(TKS,CSS)  
#prediction using neural network  
Predict = compute(nn,test)  
Predict$net.result

## [,1]  
## [1,] 0.9995709  
## [2,] 0.3350666  
## [3,] 0.9512263

prob <- Predict$net.result  
pred <- ifelse(prob>0.5,1,0)  
pred

## [,1]  
## [1,] 1  
## [2,] 0  
## [3,] 1