EXPERIMENT 6

REGRESSION ANALYSIS

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# CODE -
# implementing logistic regression in R
# 1. generating random values
age <- floor(rnorm(40,30,2)) # -- generating 40 uniformly
distributed random values with mean = 35 and sd = 3
age <- sort(age)</pre>
intelligence \leftarrow c(0, 1, 0, 0, 1, 0, 0, 0, 1,
            1, 0, 0, 0, 1, 1, 0, 0, 1, 0,
            0, 0, 1, 0, 0, 1, 1, 0, 1, 1,
            1, 1, 1, 0, 1, 1, 1, 1, 0, 1)
            # -- 1 => high intelligence 0 => low intelligence
df <- as.data.frame(cbind(age,intelligence))</pre>
print(df)
#plotting the age vs intelligence graph
plot(age,intelligence,main = "Age vs Intellilence", xlab = "Age",
ylab = "Intelligence")
#creating a logistic model
g = glm(intelligence~age, family = binomial , df)
curve(predict(g , data.frame(age=x), type = "resp"), add = TRUE)
```



File History Resize

Age vs Intellilence

