

LAB QUESTION BANK-6

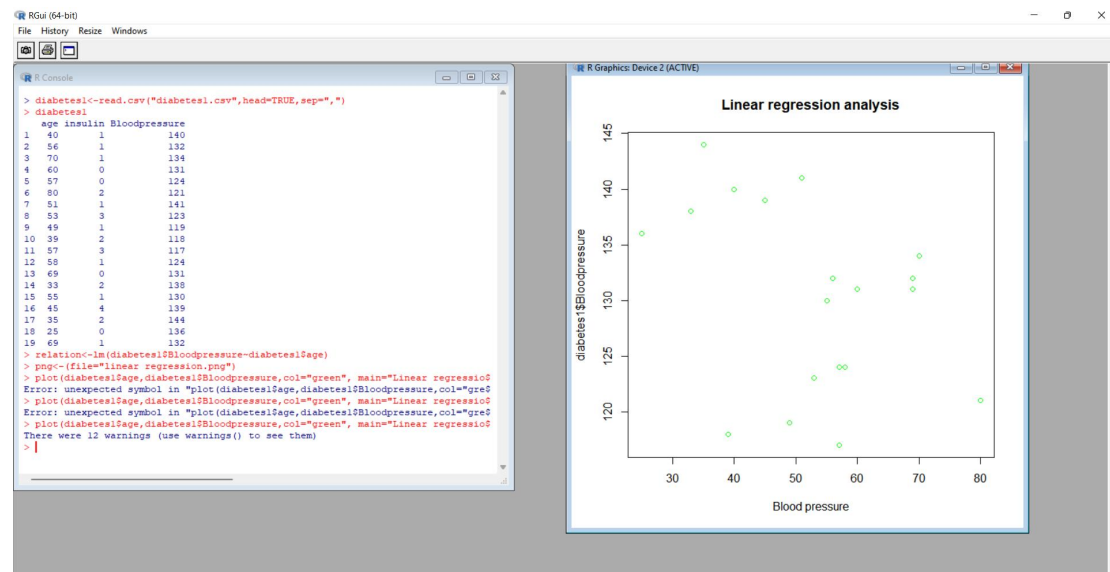
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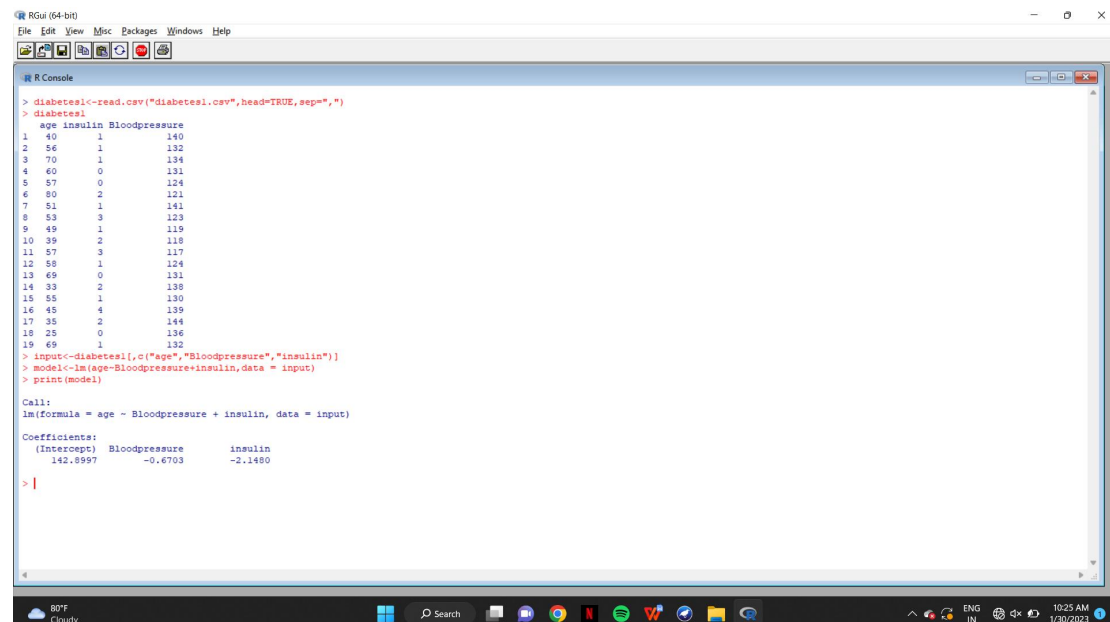
Subject: CSA1672, Data warehouse and data mining

OUTPUT

Linear regression



Multiple regression:



```
RGui (64-bit)
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R Console

8 53 3 123
9 49 1 119
10 39 2 118
11 57 3 117
12 55 1 124
13 69 0 131
14 33 2 138
15 45 1 130
16 45 4 139
17 35 2 144
18 25 0 136
19 69 1 132

> input<-diabetes1[,c("age","Bloodpressure","insulin")]
> model<-lm(age~Bloodpressure+insulin,data = input)
> print(model)

Call:
lm(formula = age ~ Bloodpressure + insulin, data = input)

Coefficients:
(Intercept)  Bloodpressure    insulin
  142.8997      -0.6703      -2.1480

> A<-coef(model)[1]
> print(A)
(Intercept)
  142.8997

> x<-coef(model)[2]
> y<-coef(model)[3]
> print(x)
Bloodpressure
 -0.6702692
> print(y)
insulin
 -2.148026
> B=A+y
> print(B)
insulin
 -2.148026
> |
> |
```