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Course - Data Science: R - DAT-5302 - FMSBA4 - Divisadero

In-class Assignment 1

1. **Import the text file teach.txt into R and save it in R dataframe df4, print df4 (refer the hands-on problem 1)**

df4<- read.table("teach.txt", header=TRUE, sep="\t")

df4

***R Output***

Method Gender Mark

1 Electric Shock Male 15

2 Electric Shock Male 14

3 Electric Shock Male 20

4 Electric Shock Male 13

5 Electric Shock Male 13

6 Electric Shock Female 6

7 Electric Shock Female 7

8 Electric Shock Female 5

9 Electric Shock Female 4

10 Electric Shock Female 8

11 Being Nice Male 10

12 Being Nice Male 9

13 Being Nice Male 8

14 Being Nice Male 8

15 Being Nice Male 7

16 Being Nice Female 12

17 Being Nice Female 10

18 Being Nice Female 7

19 Being Nice Female 8

20 Being Nice Female 13

1. **Import the csv file generic.csv into R and save it in R dataframe df5, print df5 (refer hands-on problem 2)**

df5 <- read.csv("generic.csv",header=T)

df5

***R output***

const x1 x2 x3 y

1 1 3.88 8.05 3.49 9.27

2 1 6.13 9.44 2.94 10.02

3 1 4.49 6.54 5.00 10.10

4 1 5.42 8.67 2.86 9.03

5 1 6.16 9.57 3.26 11.97

6 1 4.97 8.53 3.05 10.21

7 1 4.47 8.20 3.38 10.65

8 1 3.90 10.27 4.00 11.63

9 1 6.33 9.34 4.74 12.96

10 1 3.93 8.06 1.41 9.08

11 1 4.30 8.35 2.30 9.08

12 1 4.06 8.39 2.07 11.06

13 1 5.95 8.16 3.83 11.26

14 1 4.99 10.59 3.19 10.94

15 1 3.73 10.12 3.13 10.85

16 1 5.17 8.28 3.46 10.12

17 1 4.02 7.68 3.59 9.83

18 1 5.01 8.11 3.10 9.43

19 1 6.09 9.60 5.27 11.81

20 1 4.88 9.42 3.65 9.62

1. **Order factor overriding the default by specifying levels option in the order Lecturer, Assistant Professor, Professor. Store the data in the dataframe job and factor job in the levels specified above (refer hands-on problem 3).**

job<-c("Lecturer", "Lecturer", "Professor", "Professor", "Assistant Professor", "Lecturer")

factor\_job <-factor(job, order=TRUE, levels=c("Lecturer", "Assistant Professor", "Professor"))

factor\_job

***R output***

[1] Lecturer Lecturer Professor Professor Assistant Professor

[6] Lecturer

Levels: Lecturer < Assistant Professor < Professor