

DA-2-FDA-16-10-22

Suppose you have the following dataset

Registration Number	Study Time in Hrs	Attendance in %	CGPA
1	4	100	6.2
2	6	50	5.3
3	16	95	9.9
4	12	85	9.0
5	18	100	10.0
6	2	50	4.0
7	5	70	6.9
8	9	80	7.7
9	15	80	8.9
10	3	75	6.5
11	7	7.5	8.0

The above table shows the marks obtained by students based on their study hours and attendance in the class.

- Derived the multiple regression equation to predict CGPA based on study Time and Attendance.
- Apply multiple regression to predict the CGPA of a student if he has 78% attendance and 8hr Study time.
- Finally write an R script to perform the multiple regression and predict the CGPA of the student as per the condition given in bit (b).
- Interpret the results and various statistics measures obtained after executing the script and attach the outputs.