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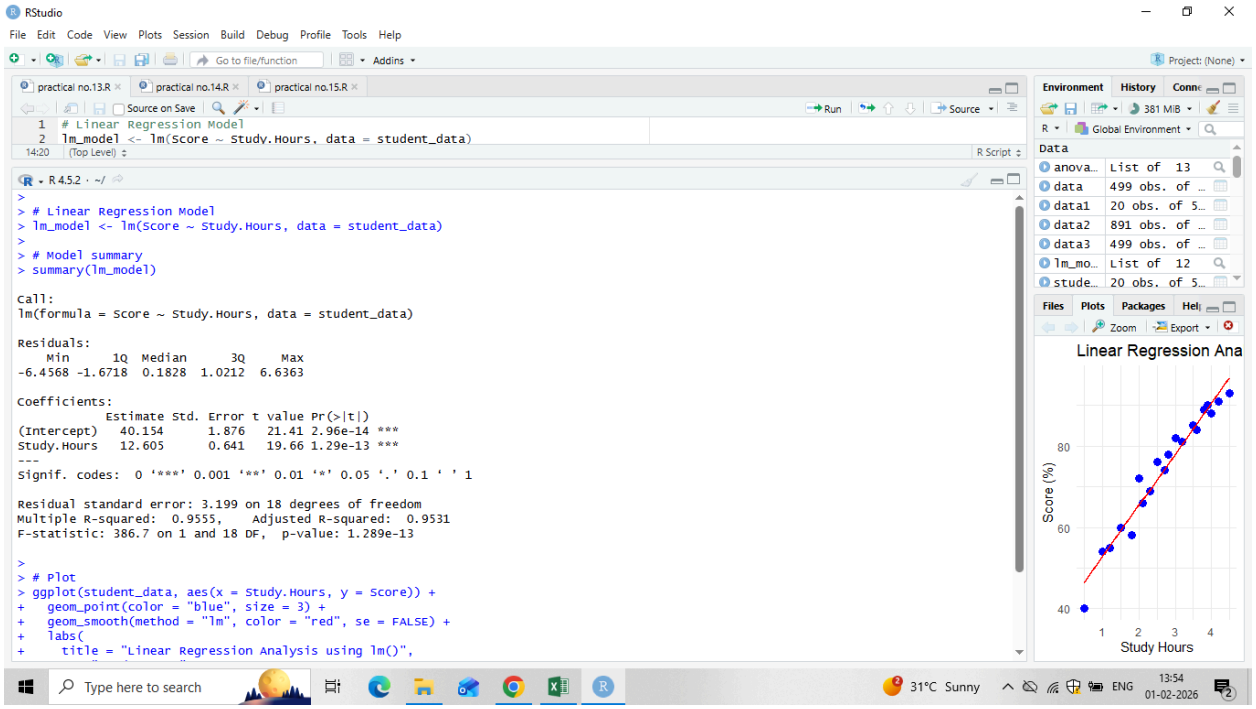
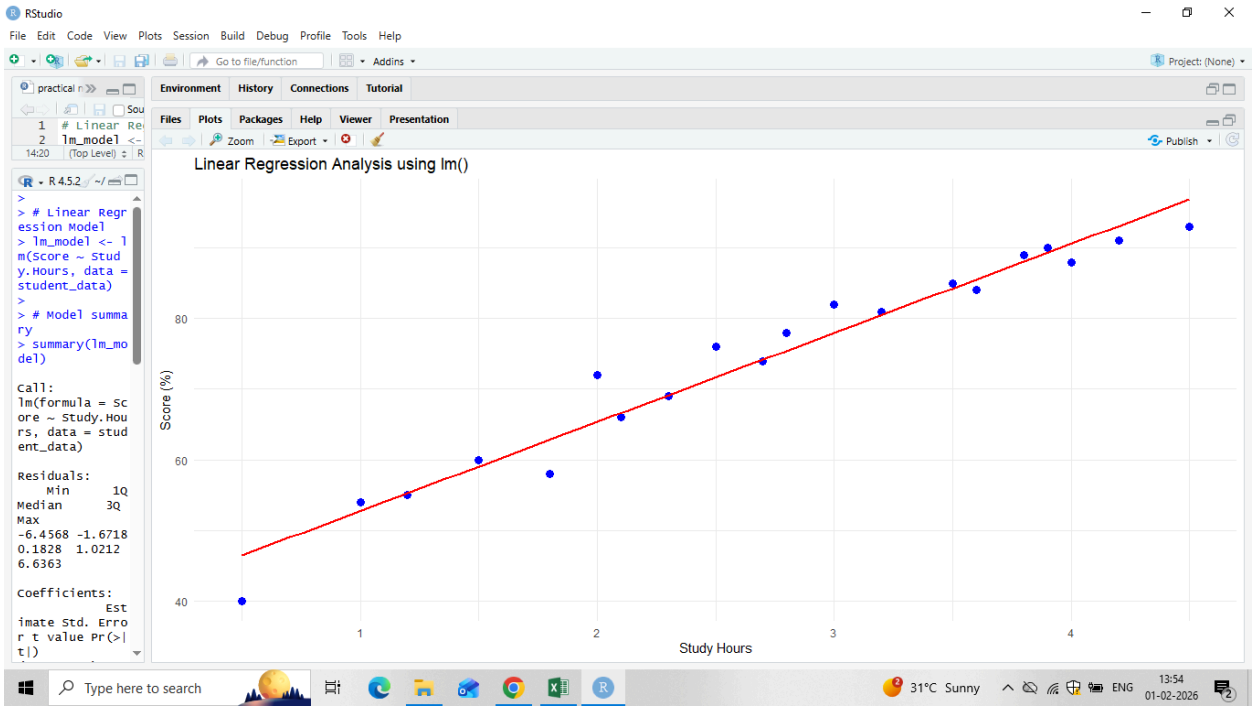
AIM:13 Performing linear regression analysis using lm() (R).





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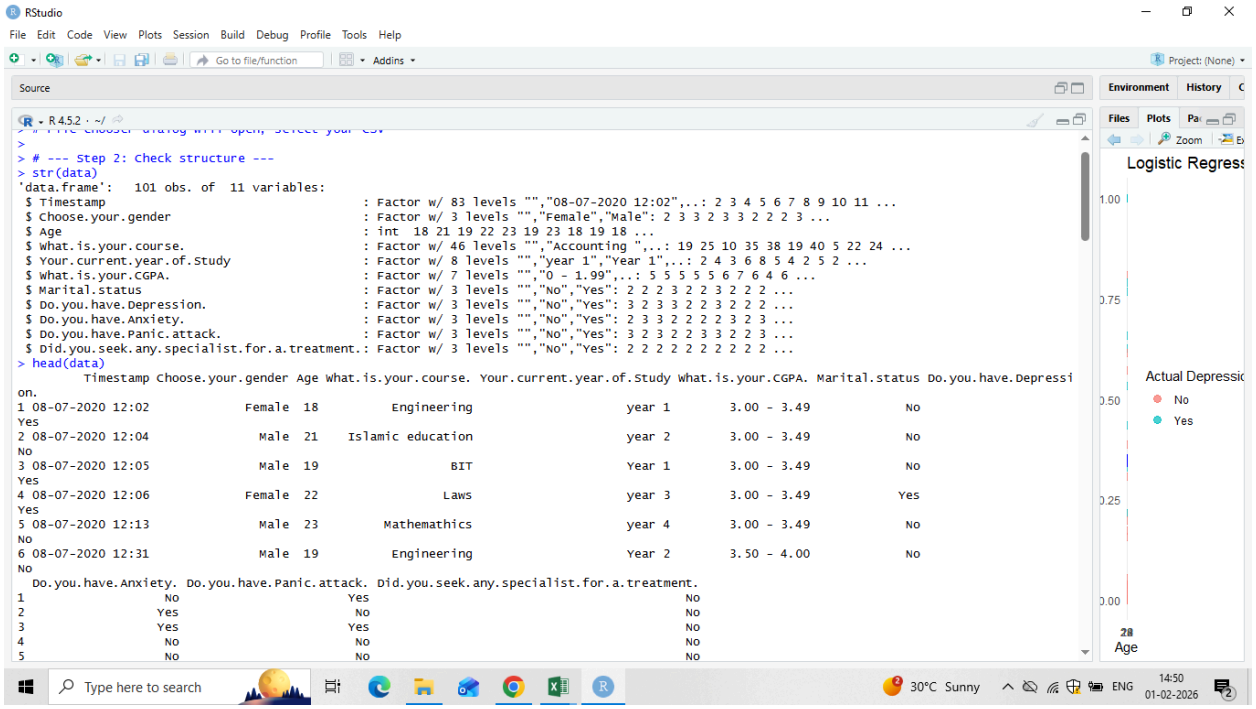
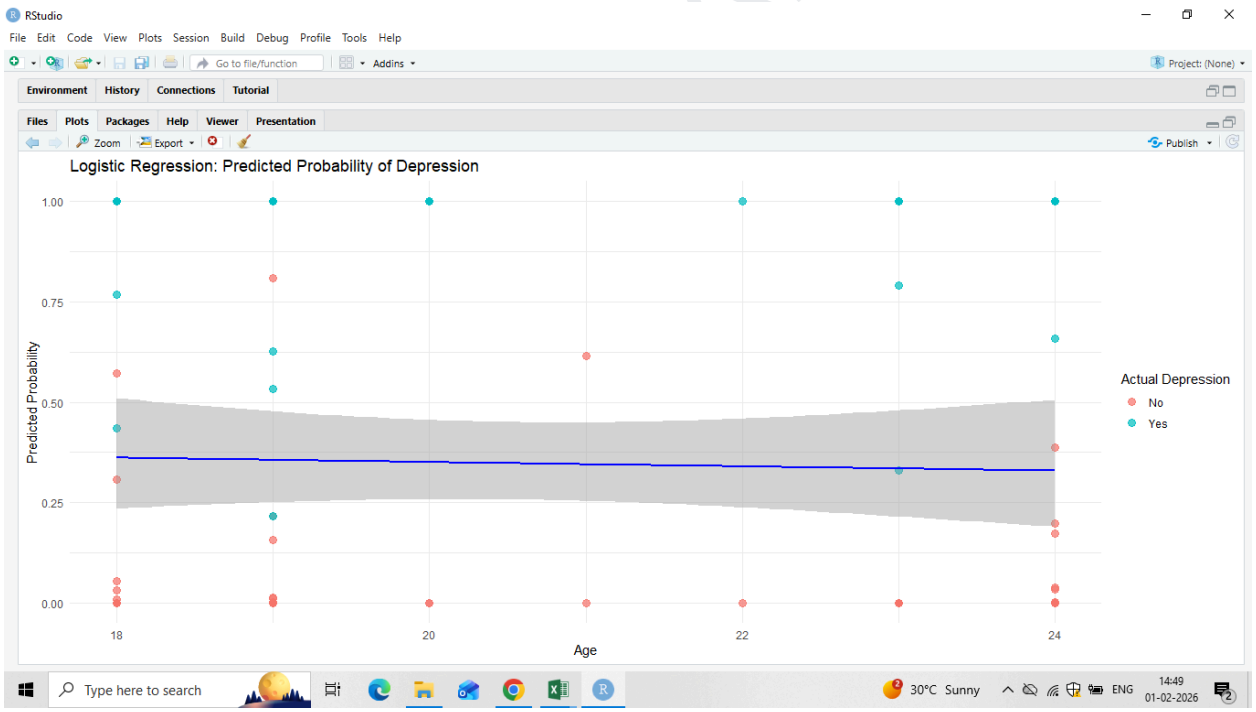
14 Performing logistic regression using glm() (R).




```
> # --- Step 2: Check structure ---
> str(data)
'data.frame':   101 obs. of  11 variables:
 $ Timestamp                                : Factor w/ 83 levels "","08-07-2020 12:02",..: 2 3 4 5 6 7 8 9 10 11 ...
 $ Choose.your.gender                       : Factor w/ 3 levels "","Female","Male": 2 3 3 2 3 3 2 2 2 3 ...
 $ Age                                      : int  18 21 19 22 23 19 23 18 19 18 ...
 $ What.is.your.course.                     : Factor w/ 46 levels "","Accounting ",..: 19 25 10 35 38 19 40 5 22 24 ...
 $ Your.current.year.of.Study               : Factor w/ 8 levels "","year 1","Year 1",..: 2 4 3 6 8 5 4 2 5 2 ...
 $ What.is.your.CGPA.                       : Factor w/ 7 levels "","0 - 1.99",..: 5 5 5 5 5 6 7 6 4 6 ...
 $ Marital.status                           : Factor w/ 3 levels "","No","Yes": 2 2 2 3 2 2 3 2 2 2 ...
 $ Do.you.have.Depression.                  : Factor w/ 3 levels "","No","Yes": 3 2 3 3 2 2 3 2 2 2 ...
 $ Do.you.have.Anxiety.                     : Factor w/ 3 levels "","No","Yes": 2 3 3 2 2 2 2 3 2 3 ...
 $ Do.you.have.Panic.attack.                : Factor w/ 3 levels "","No","Yes": 3 2 3 2 2 3 3 2 2 3 ...
 $ Did.you.seek.any.specialist.for.a.treatment.: Factor w/ 3 levels "","No","Yes": 2 2 2 2 2 2 2 2 2 2 ...
> head(data)
          Timestamp Choose.your.gender Age What.is.your.course. Your.current.year.of.Study What.is.your.CGPA. Marital.status Do.you.have.Depressi
on.
1 08-07-2020 12:02             Female  18         Engineering                    year 1        3.00 - 3.49            No
Yes
2 08-07-2020 12:04               Male  21    Islamic education                   year 2        3.00 - 3.49            No
No
3 08-07-2020 12:05               Male  19                 BIT                   Year 1        3.00 - 3.49            No
Yes
4 08-07-2020 12:06             Female  22                Laws                   year 3        3.00 - 3.49           Yes
Yes
5 08-07-2020 12:13               Male  23        Mathemathics                   year 4        3.00 - 3.49            No
No
6 08-07-2020 12:31               Male  19         Engineering                   Year 2        3.50 - 4.00            No
No
  Do.you.have.Anxiety. Do.you.have.Panic.attack. Did.you.seek.any.specialist.for.a.treatment.
1                   No                       Yes                                          No
2                  Yes                        No                                          No
3                  Yes                       Yes                                          No
4                   No                        No                                          No
5                   No                        No                                          No
```



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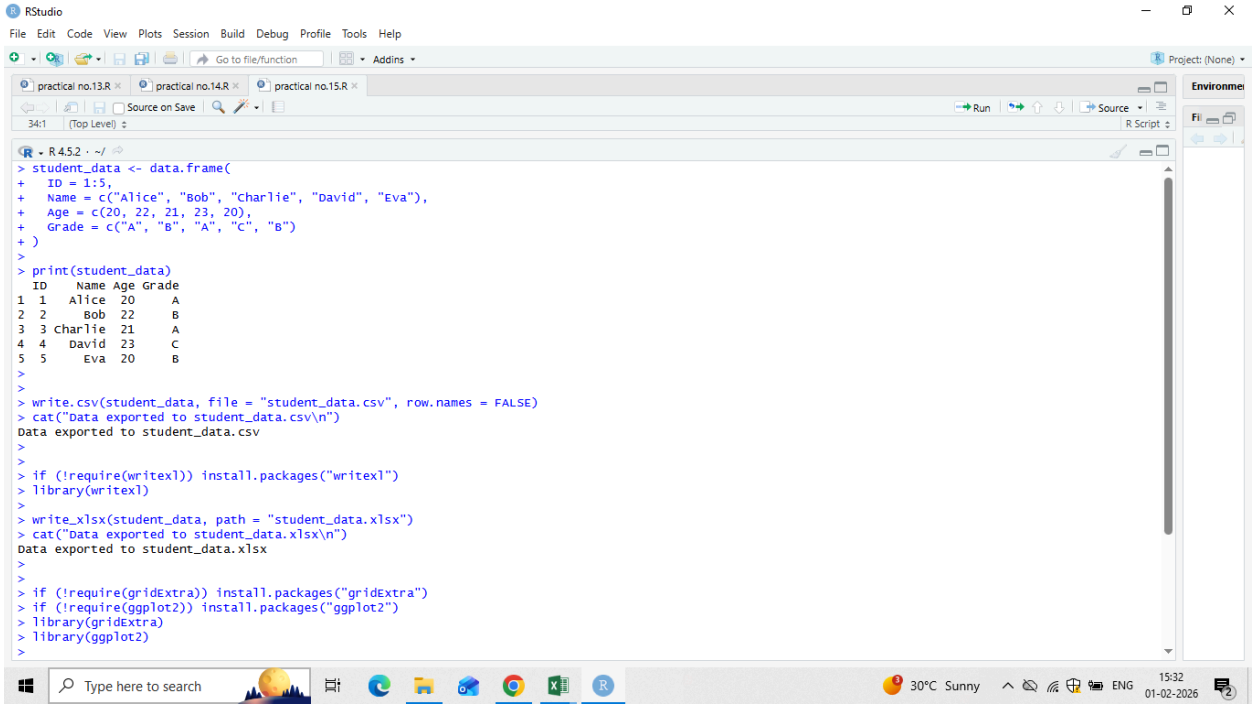
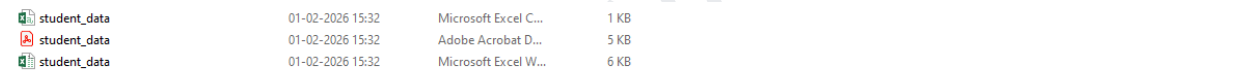
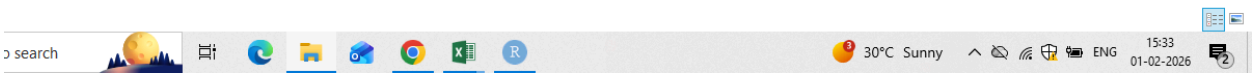
15 Exporting results into external files (Excel, CSV, PDF) using write.csv() and writexl (R).







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