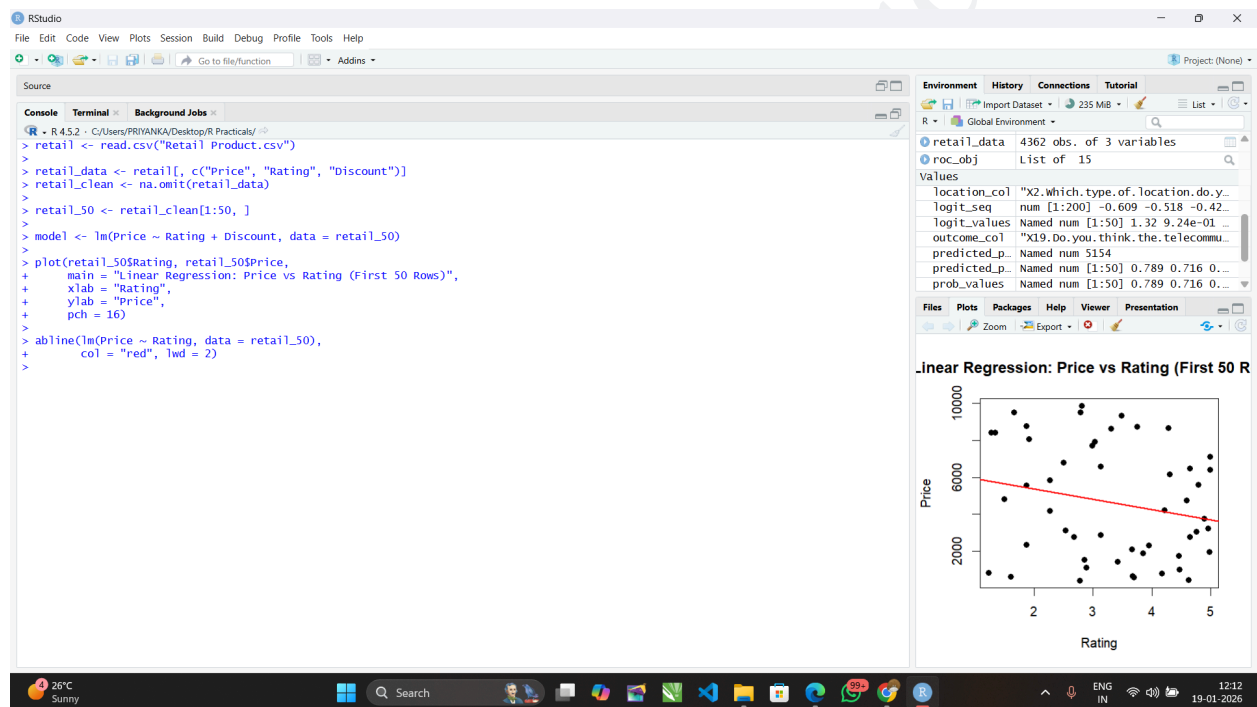


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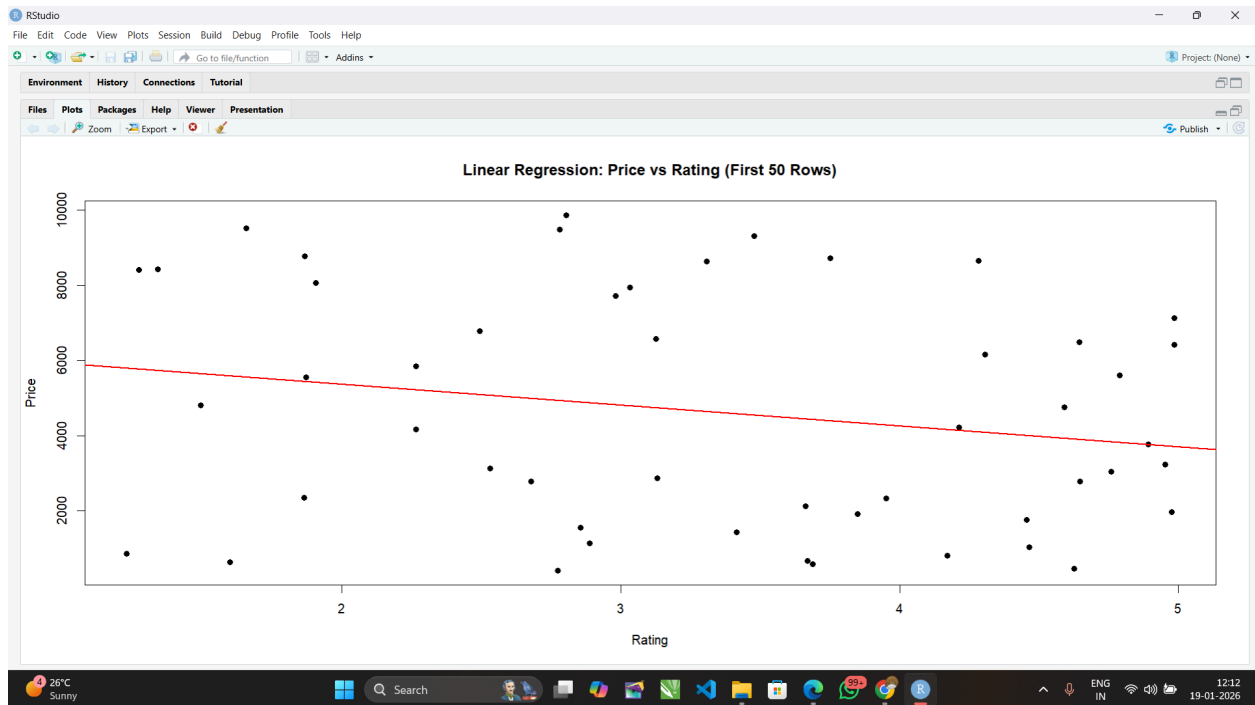
Module 2 Practical 13-15

Aim: Performing linear regression analysis using `lm()` (R).

OUTPUT:



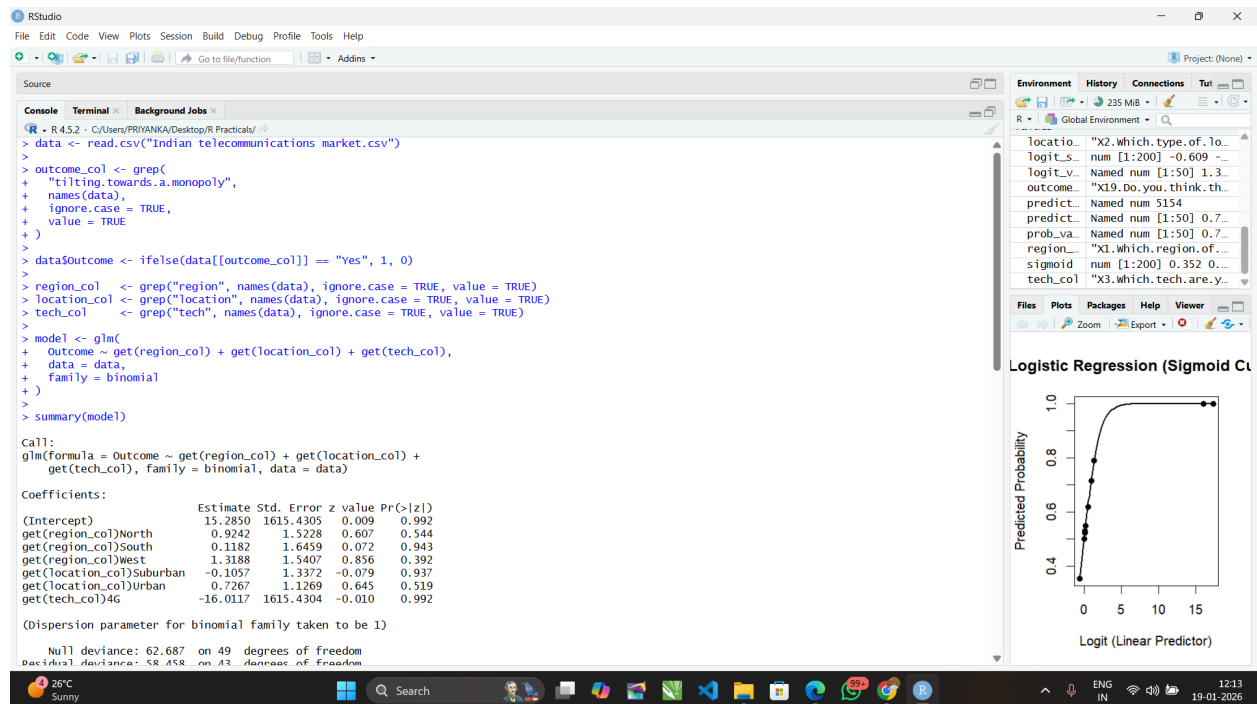
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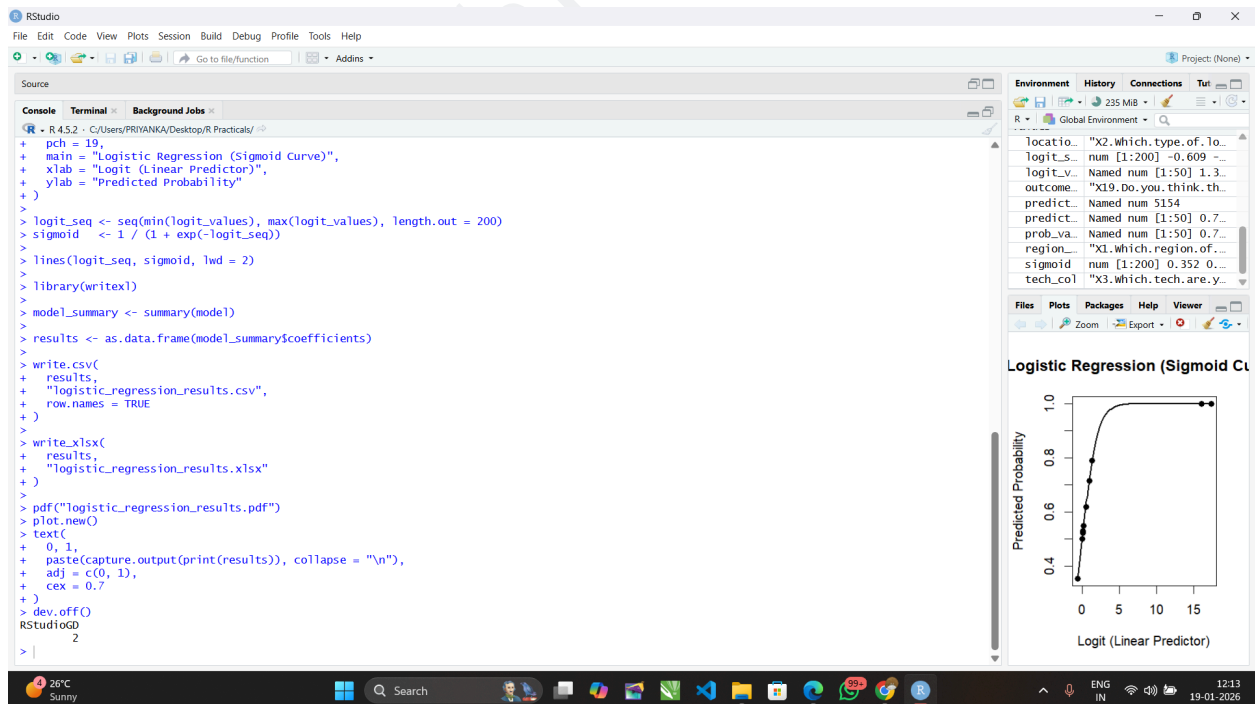
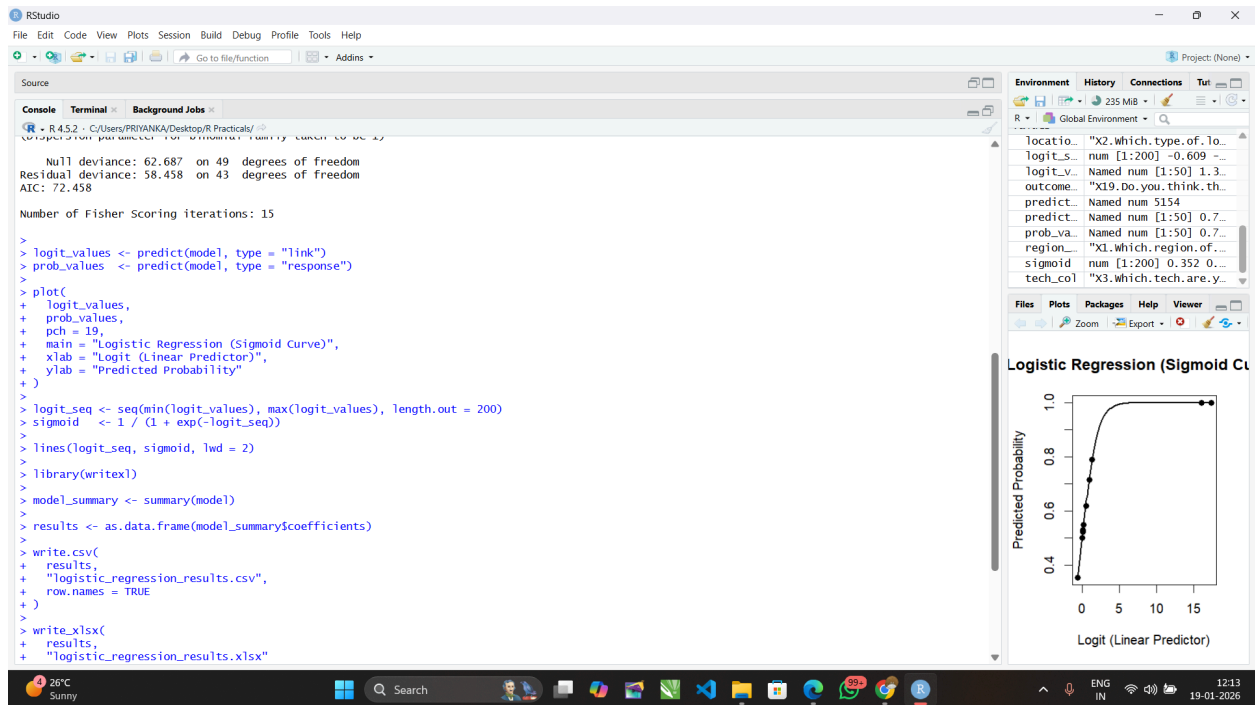
Aim: Performing logistic regression using glm() (R).

OUTPUT:

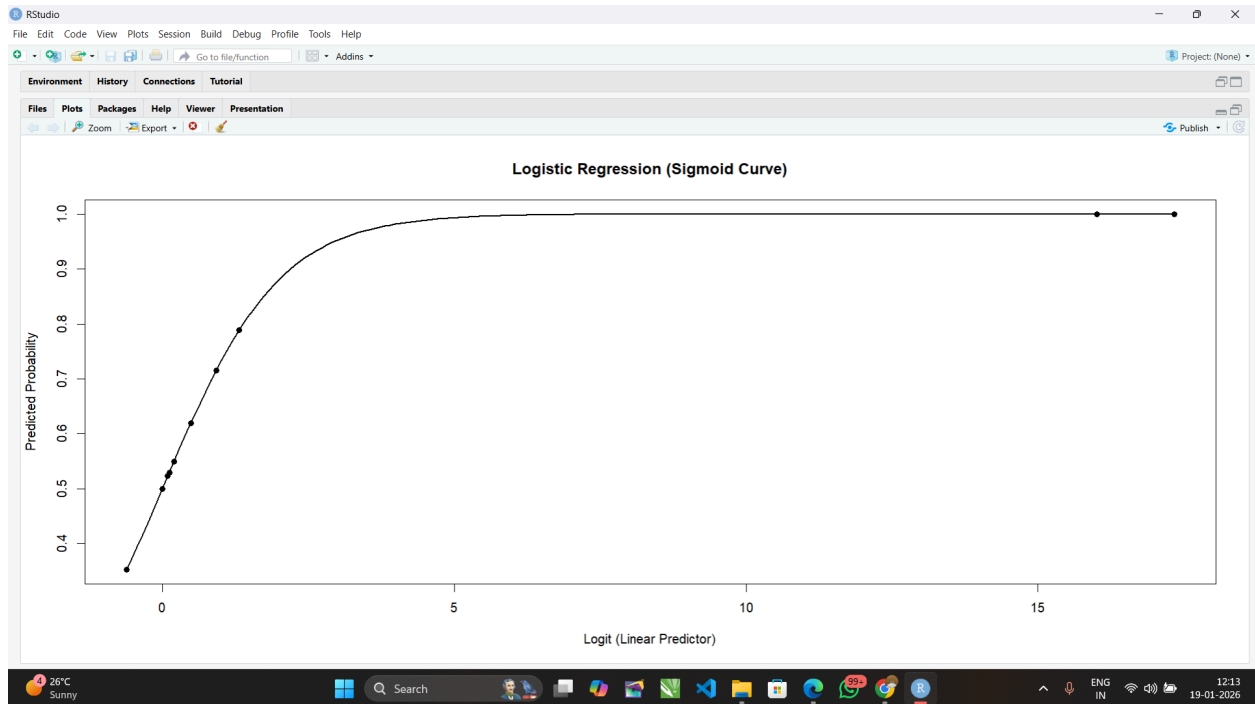


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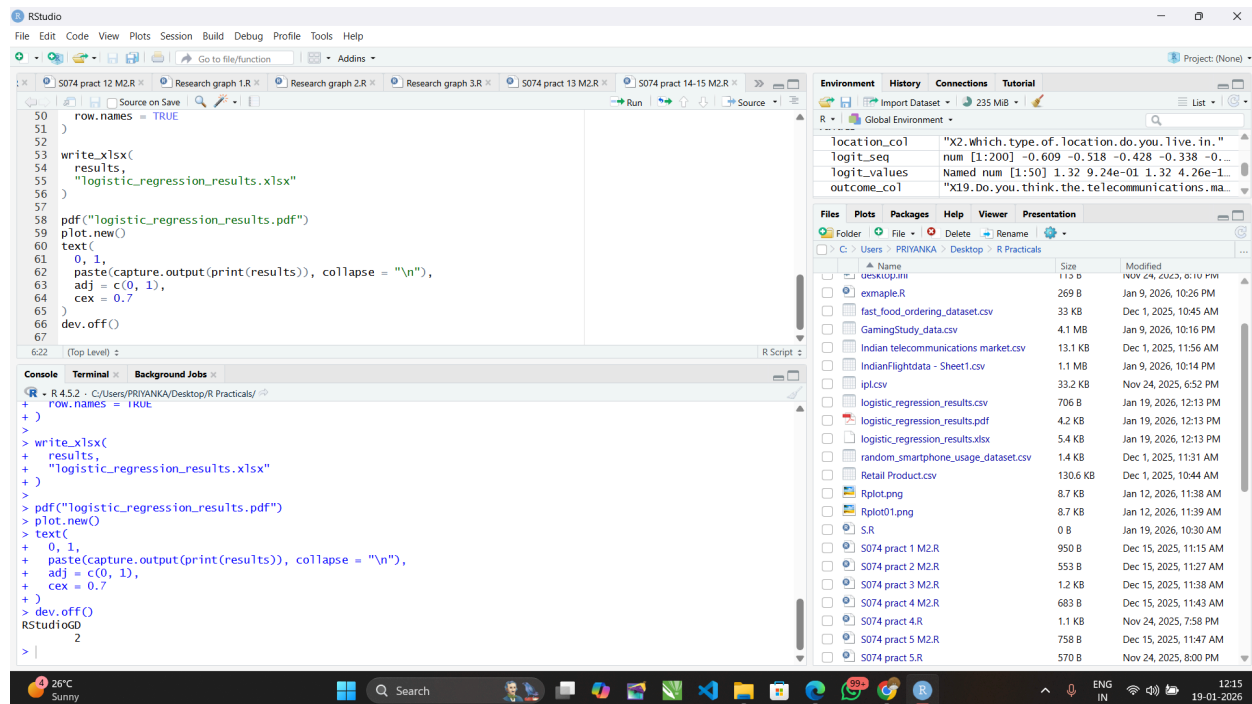
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Aim: Exporting results into external files (Excel, CSV, PDF) using write.csv() and writexl (R).

OUTPUT:



The screenshot displays the RStudio environment. The script editor on the left contains the following R code:

```
50 row.names = TRUE
51 )
52
53 write_xlsx(
54   results,
55   "logistic_regression_results.xlsx"
56 )
57
58 pdf("logistic_regression_results.pdf")
59 plot.new()
60 text(
61   0, 1,
62   paste(capture.output(print(results)), collapse = "\n"),
63   adj = c(0, 1),
64   cex = 0.7
65 )
66 dev.off()
67
```

The console on the bottom left shows the execution of the code:

```
R - R 4.5.2 - C:/Users/PRIVANKA/Desktop/R/Practicals/
+ row.names = TRUE
+
+ write_xlsx(
+   results,
+   "logistic_regression_results.xlsx"
+ )
+
+ pdf("logistic_regression_results.pdf")
+ plot.new()
+ text(
+   0, 1,
+   paste(capture.output(print(results)), collapse = "\n"),
+   adj = c(0, 1),
+   cex = 0.7
+ )
+ dev.off()
RStudioGD
2
```

The Environment pane on the right shows the objects created in the global environment:

Object	Class	Value
location_col	chr	"X2. which type of location do you live in."
logit_seq	num	[1:200] -0.609 -0.518 -0.428 -0.338 -0....
logit_values	Named num	[1:50] 1.32 9.24e-01 1.32 4.26e-1...
outcome_col	chr	"X19. Do you think the telecommunications ma..."

The Files pane on the right shows the directory structure, including the generated files:

Name	Size	Modified
example.R	269 B	Jan 9, 2026, 10:26 PM
fast_food_ordering_dataset.csv	33 KB	Dec 1, 2025, 10:45 AM
GamingStudy_data.csv	4.1 MB	Jan 9, 2026, 10:16 PM
Indian telecommunications market.csv	13.1 KB	Dec 1, 2025, 11:56 AM
IndianFlightdata - Sheet1.csv	1.1 MB	Jan 9, 2026, 10:14 PM
ipl.csv	33.2 KB	Nov 24, 2025, 6:52 PM
logistic_regression_results.csv	706 B	Jan 19, 2026, 12:13 PM
logistic_regression_results.pdf	4.2 KB	Jan 19, 2026, 12:13 PM
logistic_regression_results.xlsx	5.4 KB	Jan 19, 2026, 12:13 PM
random_smartphone_usage_dataset.csv	1.4 KB	Dec 1, 2025, 11:31 AM
Retail Product.csv	130.6 KB	Dec 1, 2025, 10:44 AM
Rplot.png	8.7 KB	Jan 12, 2026, 11:38 AM
Rplot01.png	8.7 KB	Jan 12, 2026, 11:39 AM
S.R	0 B	Jan 19, 2026, 10:30 AM
S074 pract 1 M2.R	950 B	Dec 15, 2025, 11:15 AM
S074 pract 2 M2.R	553 B	Dec 15, 2025, 11:27 AM
S074 pract 3 M2.R	1.2 KB	Dec 15, 2025, 11:38 AM
S074 pract 4 M2.R	683 B	Dec 15, 2025, 11:43 AM
S074 pract 4.R	1.1 KB	Nov 24, 2025, 7:58 PM
S074 pract 5 M2.R	758 B	Dec 15, 2025, 11:47 AM
S074 pract 5.R	570 B	Nov 24, 2025, 8:00 PM