

STATISTICAL ANALYSIS REPORT

Course: STATA – Data Management, Analysis and Visualization

Student: GAPBRIDGE INSTITUTE

COHORT # 4

Assignment 3.1

Date: 15 February 2026

1. INTRODUCTION

This report presents a descriptive analysis of a small survey dataset consisting of six respondents. The analysis examines demographic characteristics and selected educational support factors, including textbook availability, access to a quiet study place, and receipt of extra lessons.

The purpose of the report is to present findings clearly using tables and figures.

2. METHOD

A cross-sectional descriptive design was used. Data were collected from six respondents and analyzed using frequency distributions and percentages.

The results are presented in tabular and graphical formats to summarize patterns in the dataset.

3. RESULTS

3.1 Gender Distribution

Table 1: Distribution of Respondents by Gender

Gender	Freq.	Percent	Cum.
Female	2	33.33	33.33
Male	4	66.67	100.00
Total	6	100.00	

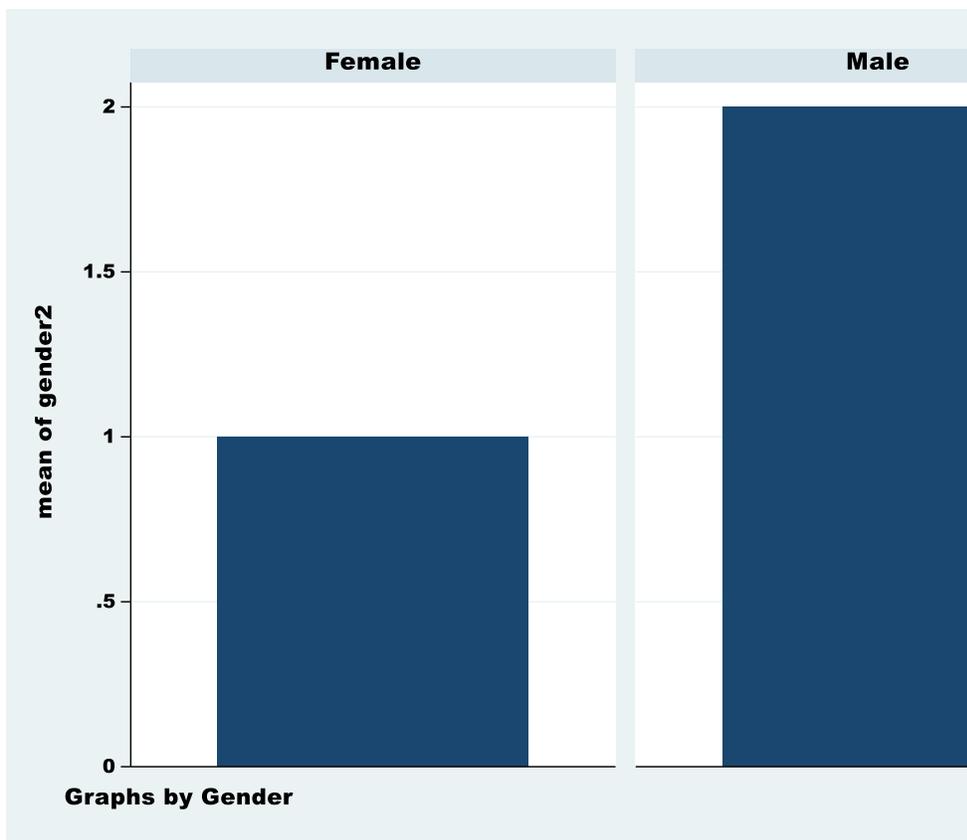


Figure 1: Gender Distribution

Male respondents constituted approximately two-thirds of the sample (66.67%), while females represented one-third (33.33%).

3.2 Availability of Textbooks

Table 2: Availability of Textbooks

I have enough textbooks for my subjects.	Freq.	Percent	Cum.
Agree	1	16.67	16.67
Disagree	2	33.33	50.00
Strongly Agree	3	50.00	100.00
Total	6	100.00	

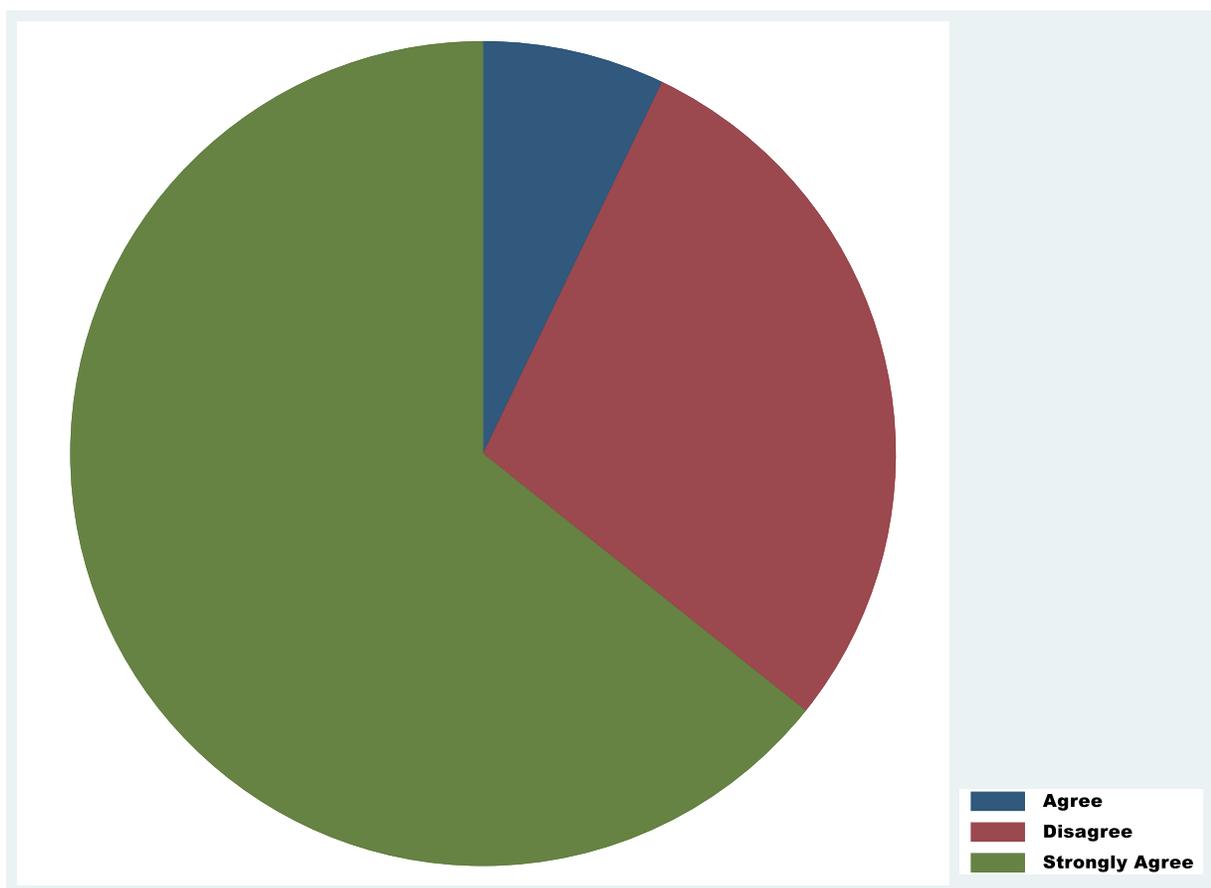


Figure 2: Availability of Textbooks

note. this is for practical learning purpose only

Half of the respondents (50%) strongly agreed that they have enough textbooks, while one-third (33.33%) disagreed. Overall, 66.67% expressed positive responses (Agree/Strongly Agree).

3.3 Availability of Quiet Study Place

Table 3: Availability of a Quiet Place to Study

I have a quiet place at home to study.	Freq.	Percent	Cum.
Agree	2	33.33	33.33
Disagree	2	33.33	66.67
Strongly Agree	1	16.67	83.33
Strongly Disagree	1	16.67	100.00
Total	6	100.00	

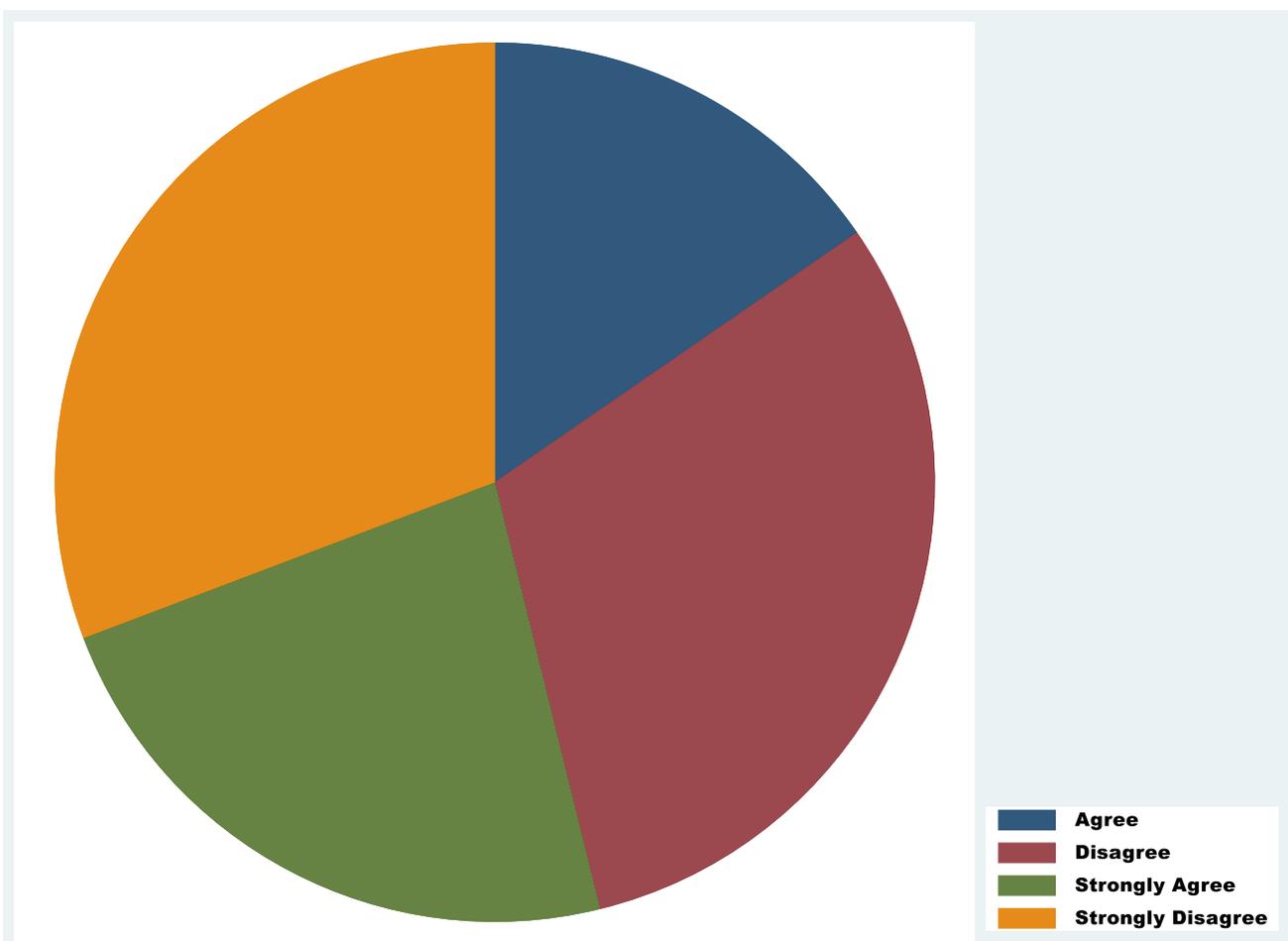


Figure 3: Availability of Quiet Study Place

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Responses were evenly distributed. Half of the respondents (50%) reported having a quiet place to study, while the other half (50%) reported challenges.

3.4 Access to Extra Lessons

Table 4: Access to Extra Lessons or Private Tutoring

I receive extra lessons or private tutoring.	Freq.	Percent	Cum.
No	2	33.33	33.33
Yes	4	66.67	100.00
Total	6	100.00	

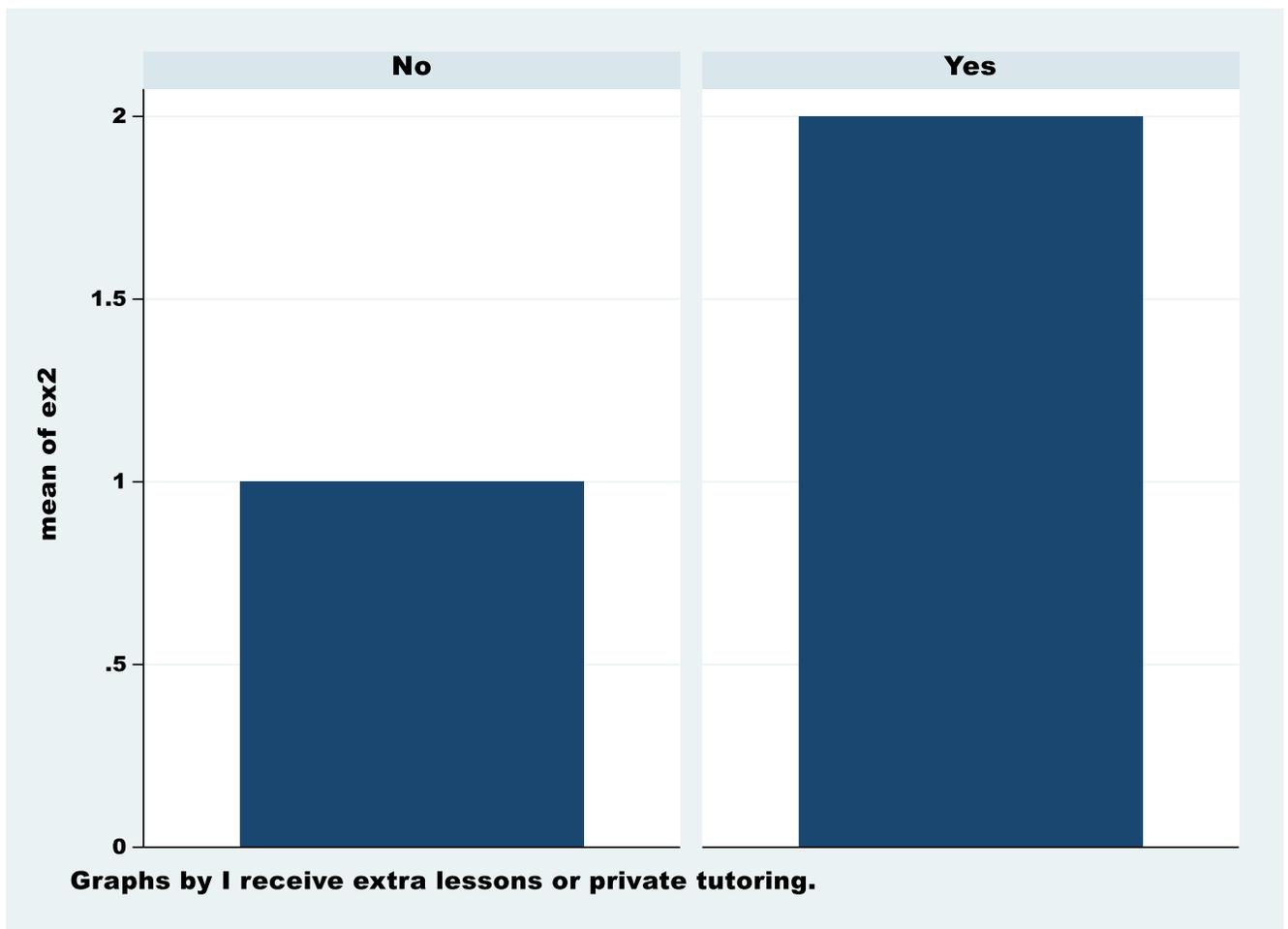


Figure 4: Access to Extra Lessons

Two-thirds of respondents (66.67%) reported receiving extra lessons, while one-third (33.33%) did not.

note. this is for practical learning purpose only

4. CONCLUSION

The analysis shows that:

- The sample was predominantly male.
- Most respondents reported adequate textbook access.
- Availability of a quiet study environment was equally divided.
- A majority received extra lessons.

Due to the small sample size (N=6), findings are descriptive and cannot be generalized.

5. RECOMMENDATIONS

1. Increase sample size in future studies for stronger conclusions.
2. Address barriers to quiet study environments for students.
3. Ensure equitable access to textbooks.
4. Conduct further analysis (e.g., associations between gender and academic support variables).

Good work
Congratulations