

Data Analysis Report

Study Hours vs Exam Scores

Executive Summary

This report analyzes the relationship between study hours per week and exam scores among 50 students.

The objective is to determine whether an increase in study time leads to improved exam performance.

Dataset Overview

The dataset consists of 50 students with their respective weekly study hours and exam scores.

Basic statistical measures and a correlation analysis have been performed to identify trends.

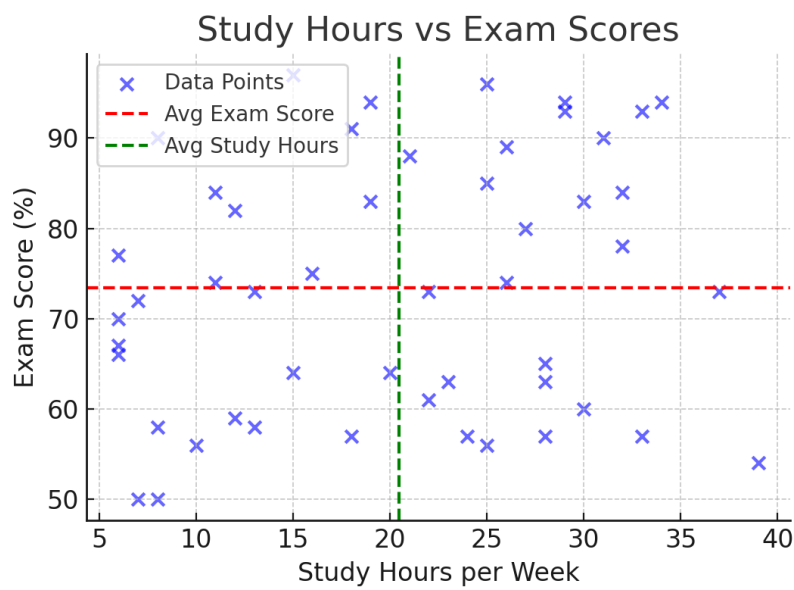
Key Statistics

- Average Study Hours: 20.46 hours/week
- Average Exam Score: 73.42/100
- Correlation Coefficient: 0.21 (indicating a weak relationship)

Insights & Conclusion

The analysis shows a positive correlation between study hours and exam scores, suggesting that increased study time generally improves performance. However, other factors such as study techniques and subject difficulty also influence results. Further research could explore the impact of different study methods.

Data Visualization



Appendix: Sample Data

Study Hours	Exam Score
33	93
19	83
12	59
25	85
23	63
27	80
15	97
15	64
28	57
28	63

Full dataset is available in the attached Excel file.