

Analysis on the effect of Sleep, Previous Scores, Attendance and Hours of Study the Exam Scores of Student

How Does The Average Sleep_Hours Affects Average Exam-Scores?

The analysis, reveal a very weak negative linear correlation between sleep hours and exam scores. This suggests that the amount of sleep has no significant effect on exam performance .

How Does The Average Attendance Affects Average Exam-Scores?

There is a moderate positive correlation of 0.58 between attendance and exam scores. This indicates that as attendance increases, exam scores tend to improve implying a direct relationship between consistent attendance and better academic performance increase as well.

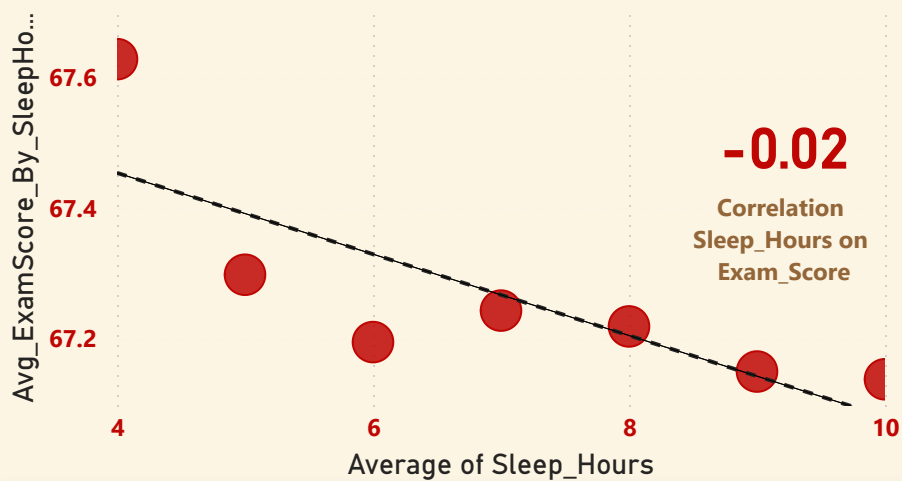
How Does The Previous Scores Affects Exam-Scores?

The analysis shows a weak positive correlation 0.18 between the previous and current exam score. Thus This suggests that while previous scores may have some influence, they only slightly affect students current exam performance.

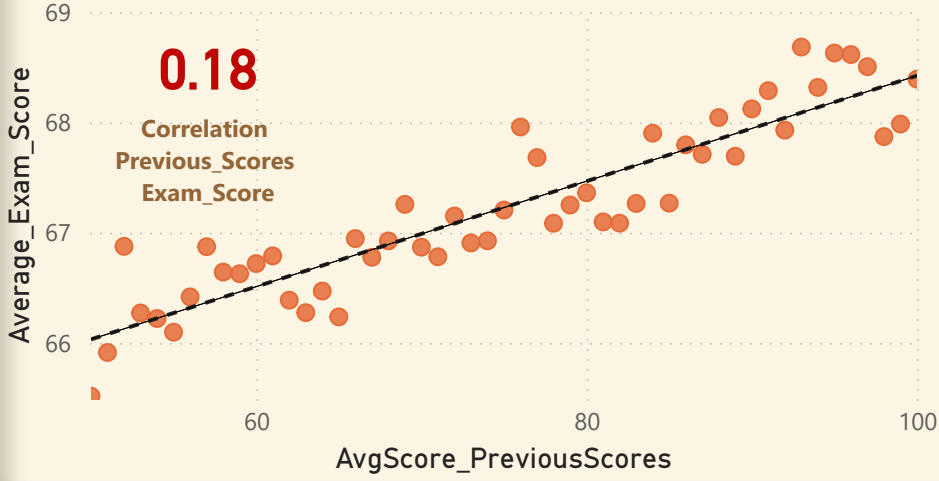
How Does The Average Study_Hours Affects Average Exam-Scores?

The analysis indicate a moderate positive linear correlation of 0.45 between study hours and exam scores. This implies as study hours and exam scores. This implies that as the study hours increases, exam scores tend to improve highlighting the importance of dedicated study

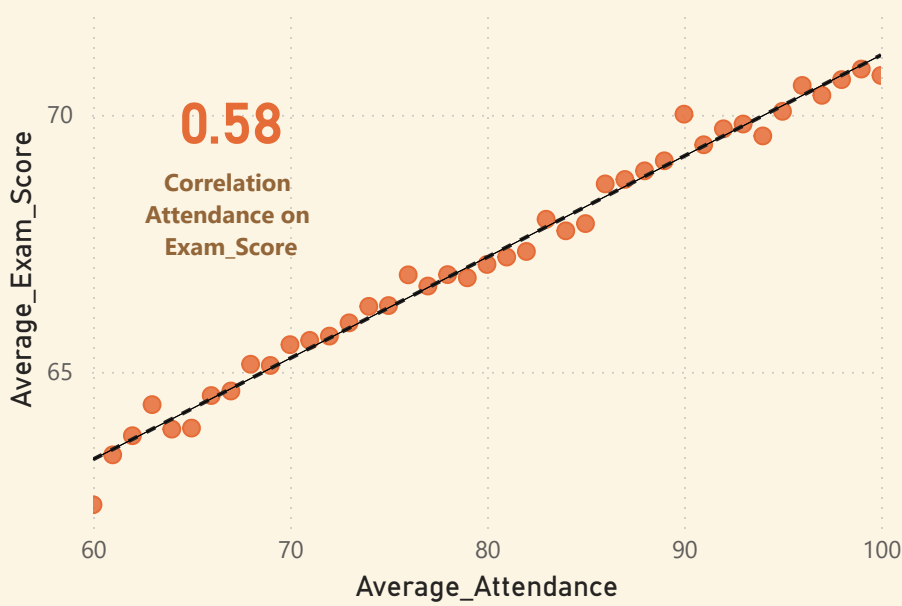
How Does the Average Sleep_Hours Affect ExamScore?



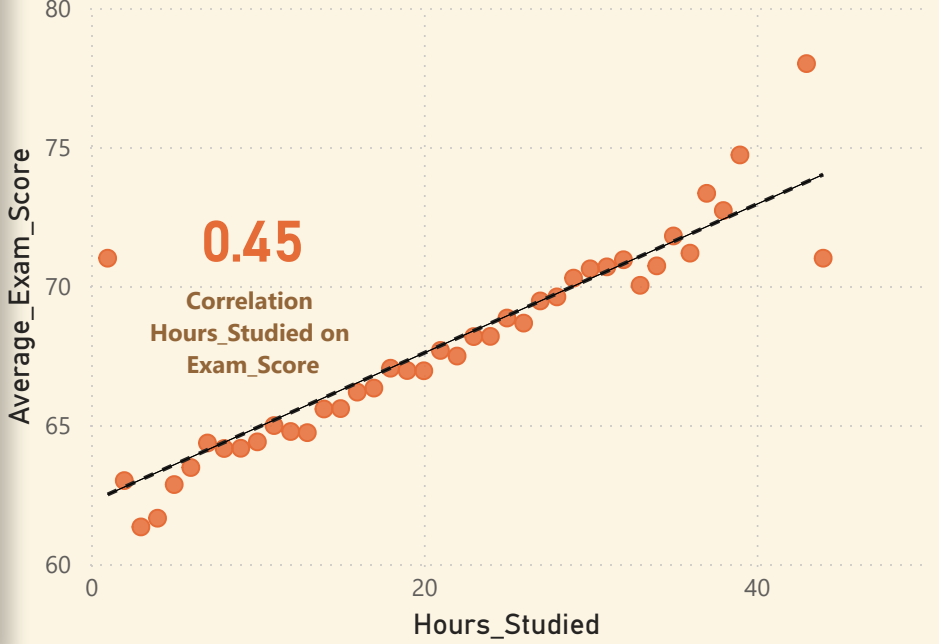
How Does the Avg_PreviousScores Affect Exam Score?



Effect of Attendance on Average Average_Exam Score



Effect of Hours_Study on Average_Exam_Score



Average of Exam_Score	AvgScore_PreviousScores	% change
67.24	75.07	-10.44%

Analysis on the effect of Distance from Home, Access to Resources, Physical Activities and Tutorial Session on Exam Scores

How Does Distance from Home Affects Average Exam-Scores?

The analysis shows that proximity to home has a positive correlation with exam scores. Students residing closer to their homes tend to achieve higher average exam scores, as indicated by the concentration of scores in the 80 and above range, represented by the blue and yellow areas tending from 80-100.

How Does Physical Activities Affects Average Exam-Scores?

The analysis shows a weak very weak positive correlation of 0.03 between physical activities and average exam scores indicating that students participation in physical activities does not meaningfully affect their academic performance.

How Does Access to Resources Affects Exam-Scores?

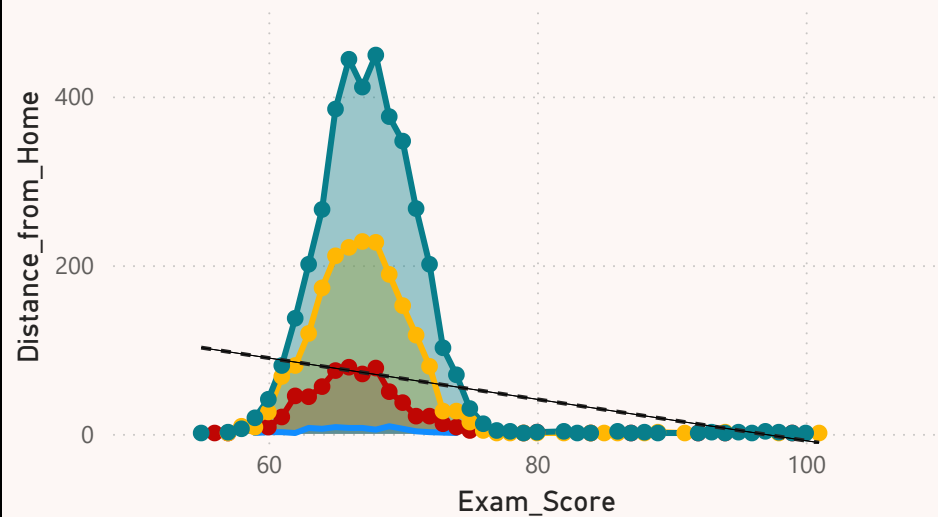
The analysis indicates that students who have access to much resources tend to perform higher than their counterparts who have access to low resources.

How Does Tutorial Session Affects Average Exam-Scores?

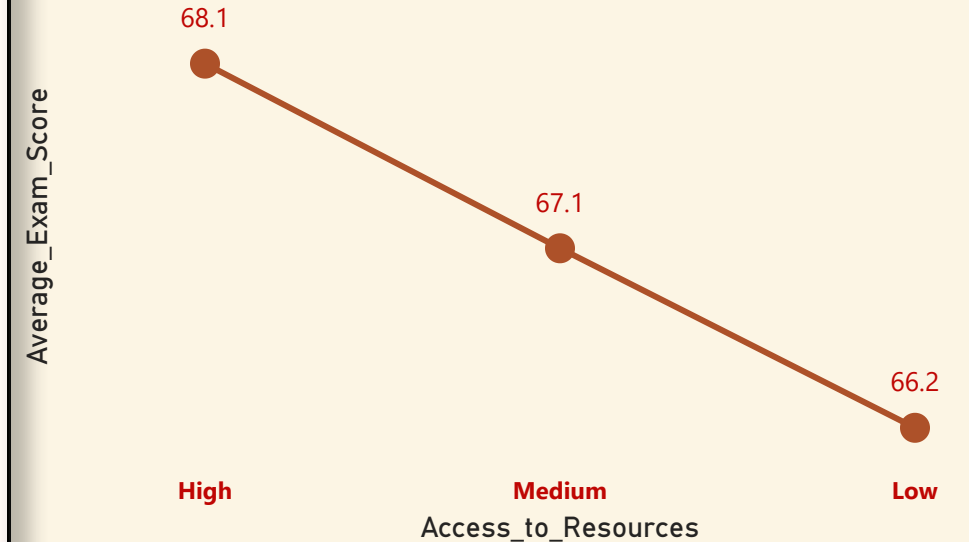
The analysis reveals a weak positive correlation of 0.16 between tutorial sessions and exam scores. This suggests that while attending tutorials may have some influence on

Effect of Distance_from_Home on Average Exam_Score

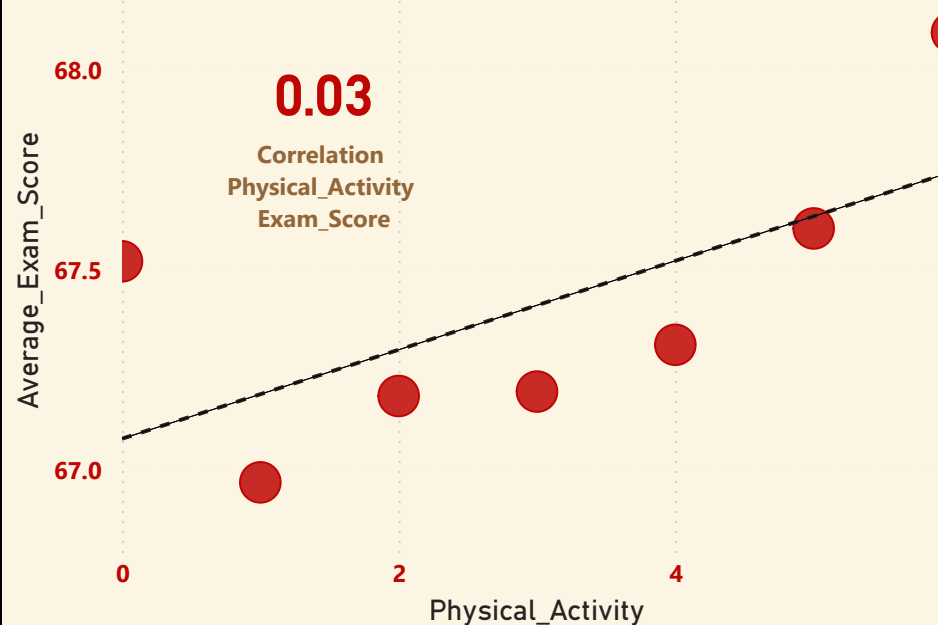
Distance_from_H... ● Far ● Moderate ● NA ● Near



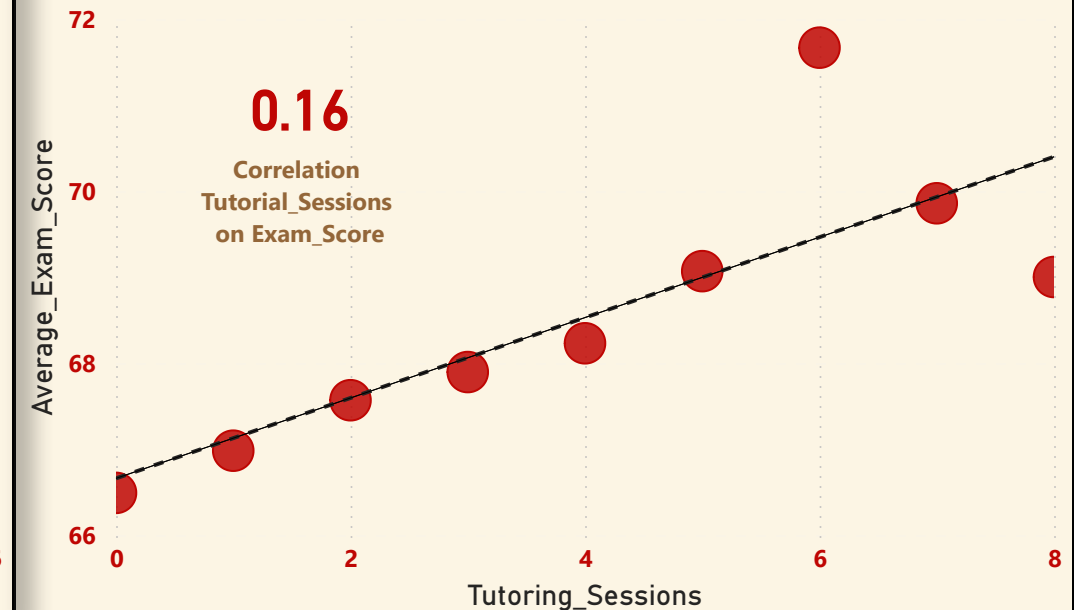
Does Access_to_Resources Affects Average_Exam_Score?



Does Physical Activities Affect Average_Exam_Score?



How Does the Tutorial_Session Affects Average_Exam_Score ?



Analysis on the effect of Access to Internet, Motivational Level, Teacher Quality and Extra Curricular Activities on Exam Scores

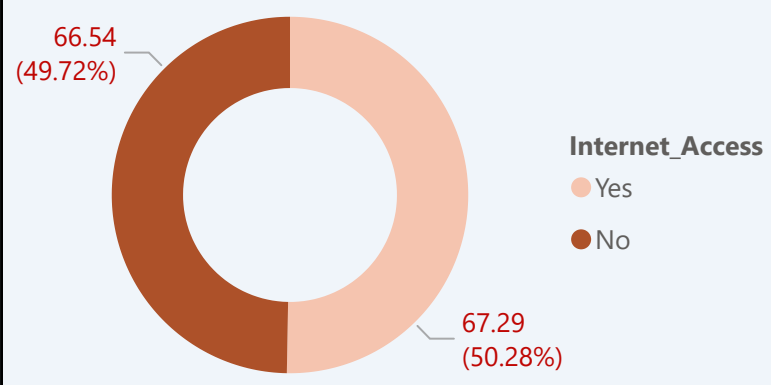
How Does Internet Access Affect Average Exam-Scores?
The analysis, reveals that students with access to internet tends to perform slightly better with 0.75% than those without access to internet.

How Does The Motivational Level Affects Average Exam Scores?
The analysis shows that students whose motivational levels are high tend to perform better than others whose motivational levels are low.

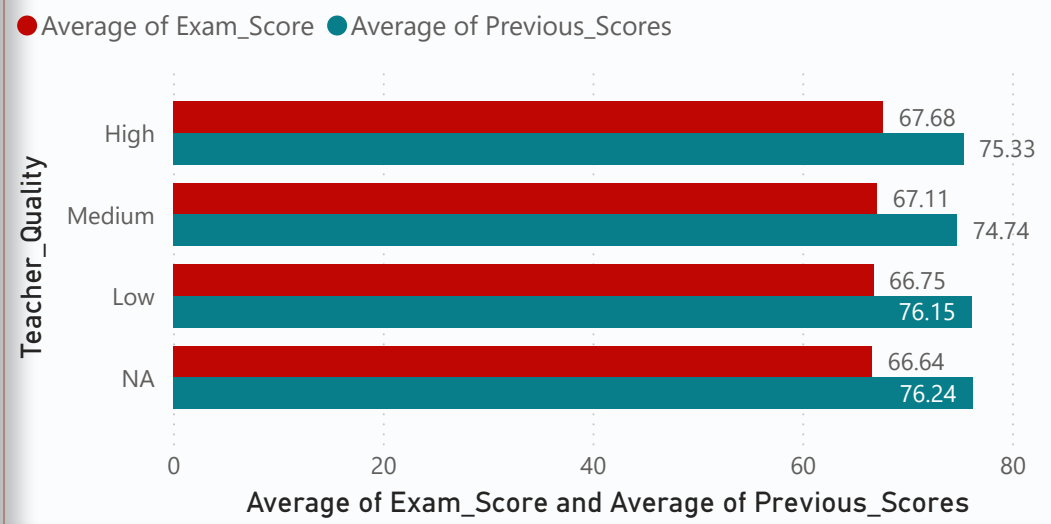
How Does Teacher Quality affect both previous and current Exam-Scores?
The analysis indicates a decline in teacher performance by 10.44%. This trend is evident when comparing student's current and previous exam results. The data further suggests a direct relationship between teacher performance and student outcomes: teachers with high quality tend to have students with higher exam scores, while lower lower quality teacher tends to have students with lower exam scores.

Does Extracurricular Activities Affect Average Exam Scores?
The analysis indicates that students who take extracurricular activities tend to perform slightly better with 0.51% than those who do not partake in extracurricular activities

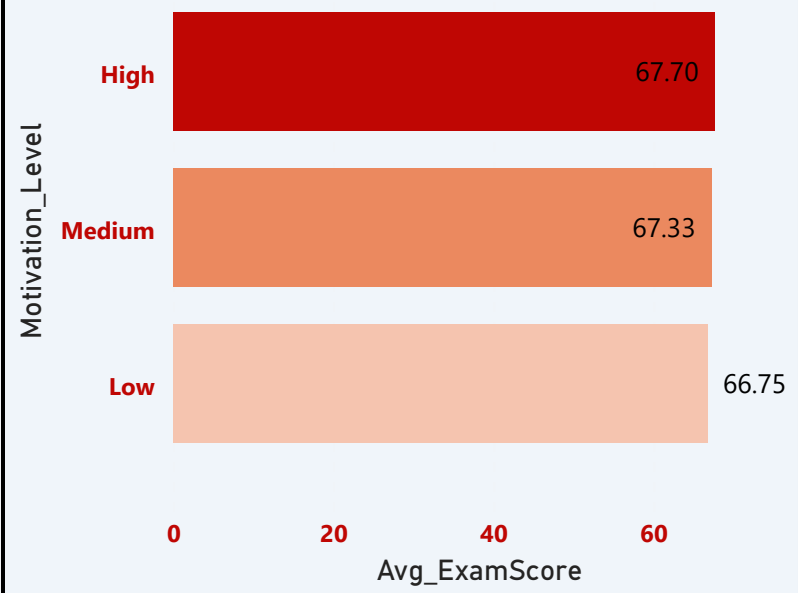
Average_Exam_Score by Internet_Access



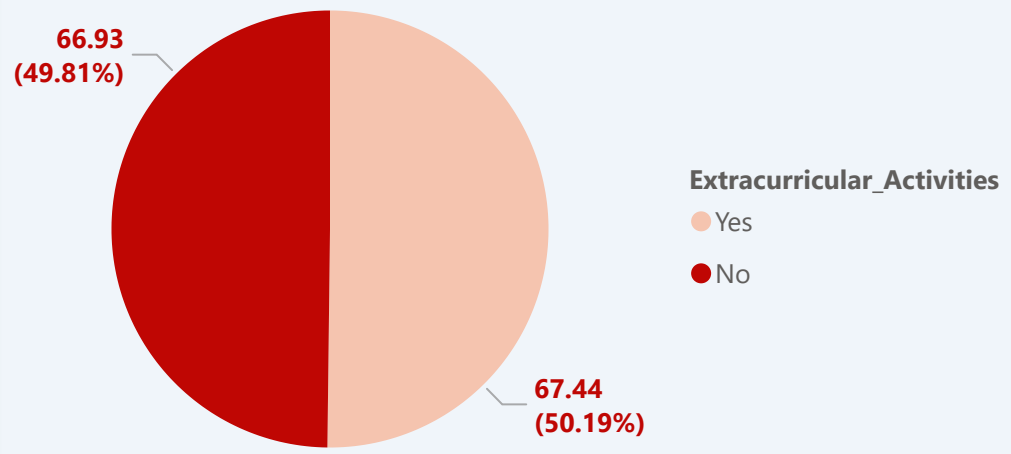
Effect of Teacher_Quality on Average of Exam_Score and Average of Previous_Scores



Avg_ExamScore_By_Motivation Level



Does Extracurricular_Activities Affect Avg_ExamScore?



Analysis on the effect of Peer Influence, Family Income, Parental Involvement and Parental Education on Exam Scores

How Does Peer Influence Affect Average Exam-Scores?

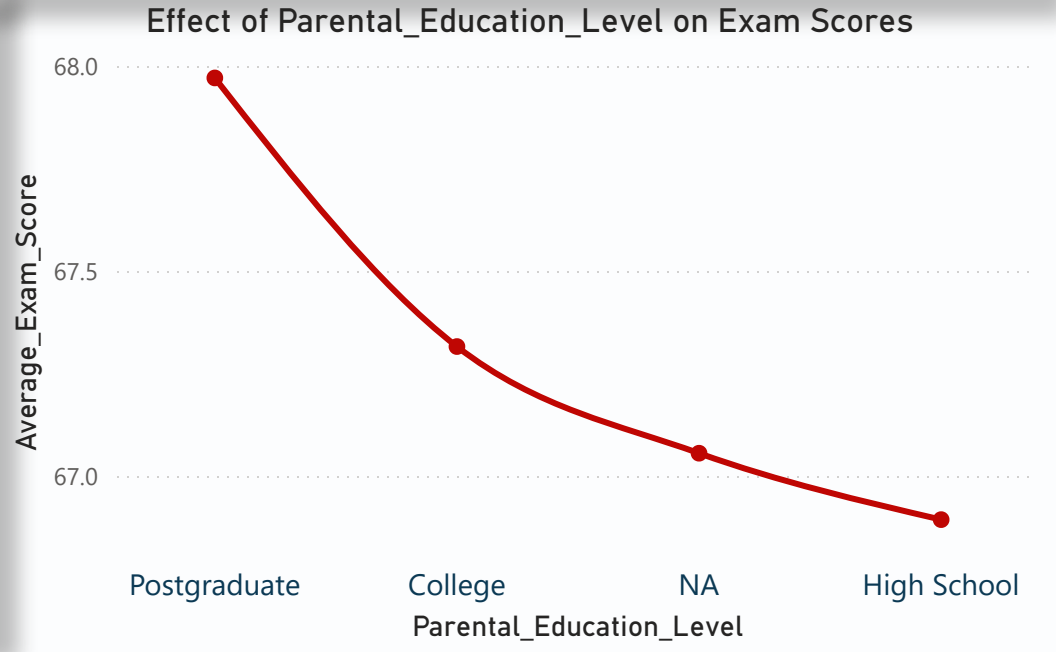
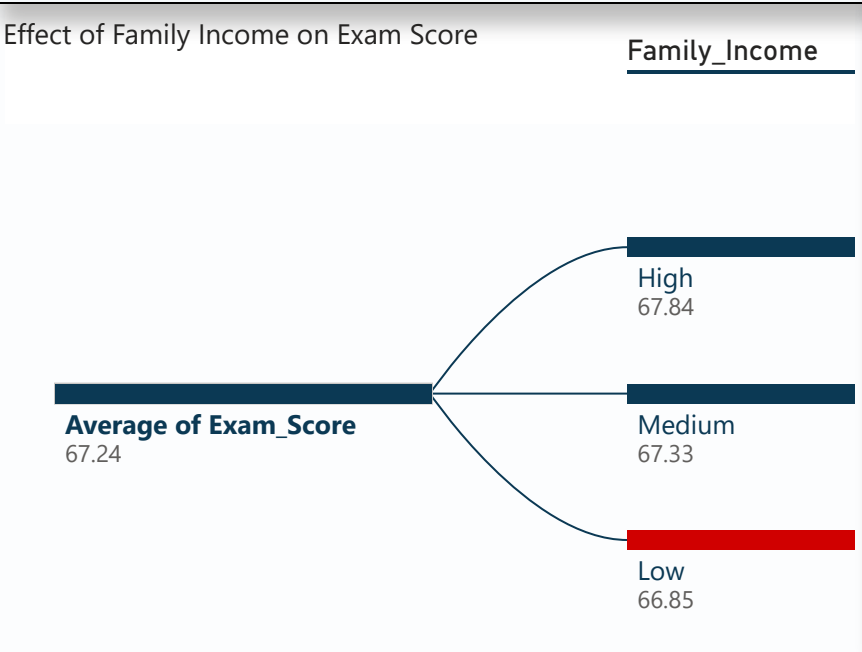
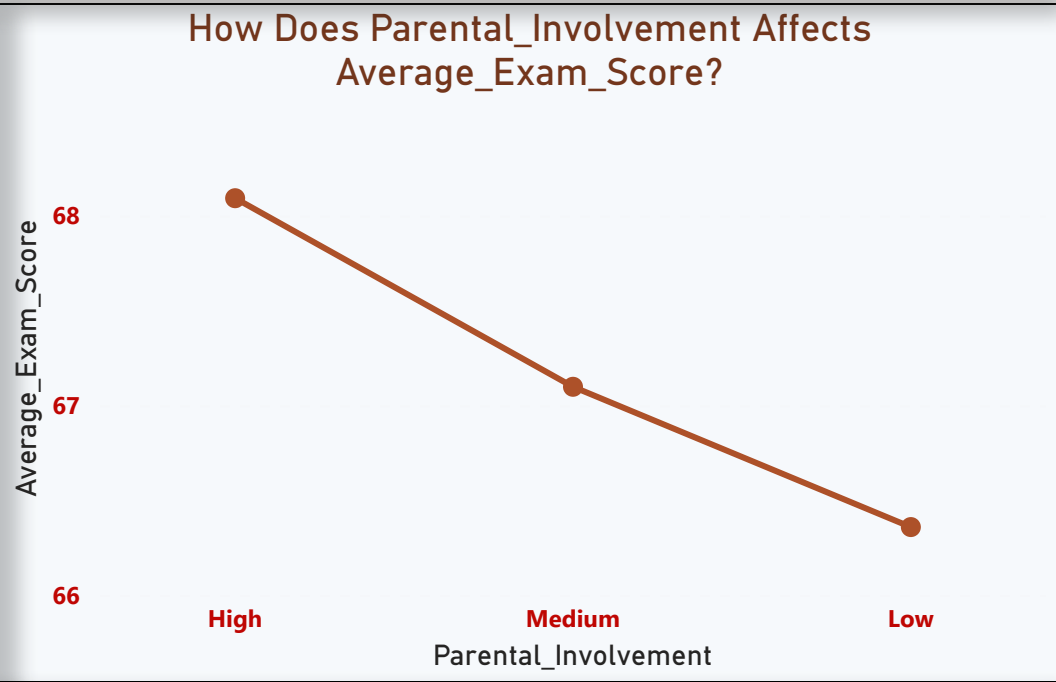
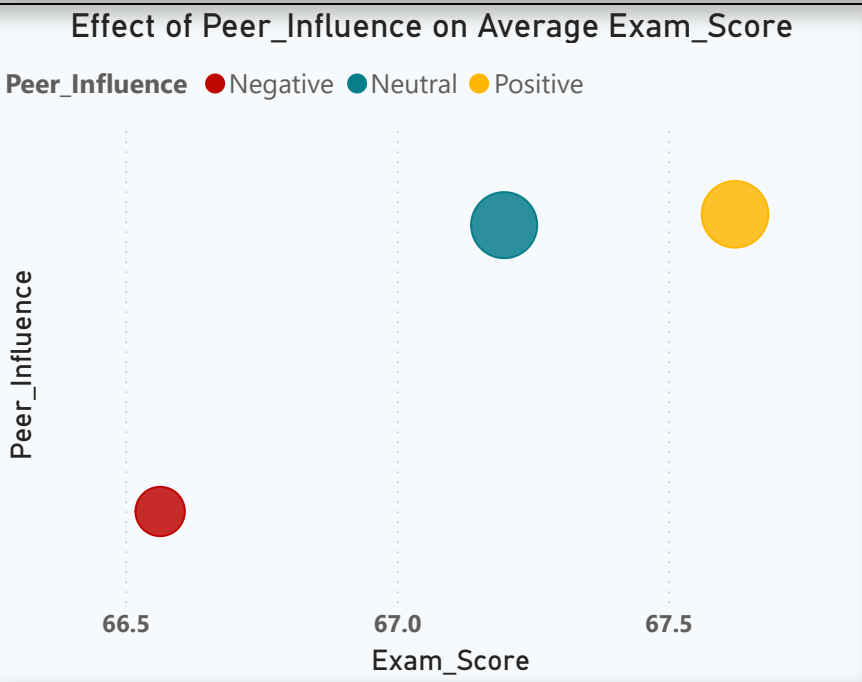
The analysis indicates that students who are negatively influence tends to have lower exam scores, whereas those who are positively influence tend tp achieve higher exam performance. This suggest that external influences play a significant role in shaping students outcome low in their exam score while those who are positively influence tends to have higher performance in their exam score.

How Does Family Income Affects Average Exam Scores?

The analysis suggest that a positive relationship between family income and exam performance. Students from high income families tend to perform better on average, while those from lower income families generally have lower exam scores. This implies that socio-economic factors may play a significant role in influencing academic outcomes.

How Does Parental Involvement Affect Exam-Scores?

The analysis shows that students with high parental involvement in their academics tends to achieve higher exam scores compared to those with low parental involvement This suggests that active parental engagement has a significant



Analysis on the effect of Access to Internet, Motivational Level, Teacher Quality and Extra Curricular Activities on Exam Scores

How Does Learning Disability Affect Exam-Scores?

The data reveals that students with learning disabilities tends to score lower on exam compared to students without disabilities. The data reveals a 1.08% difference in average exam score between these two groups with students without disabilities consistently outperforming their peers with disabilities.

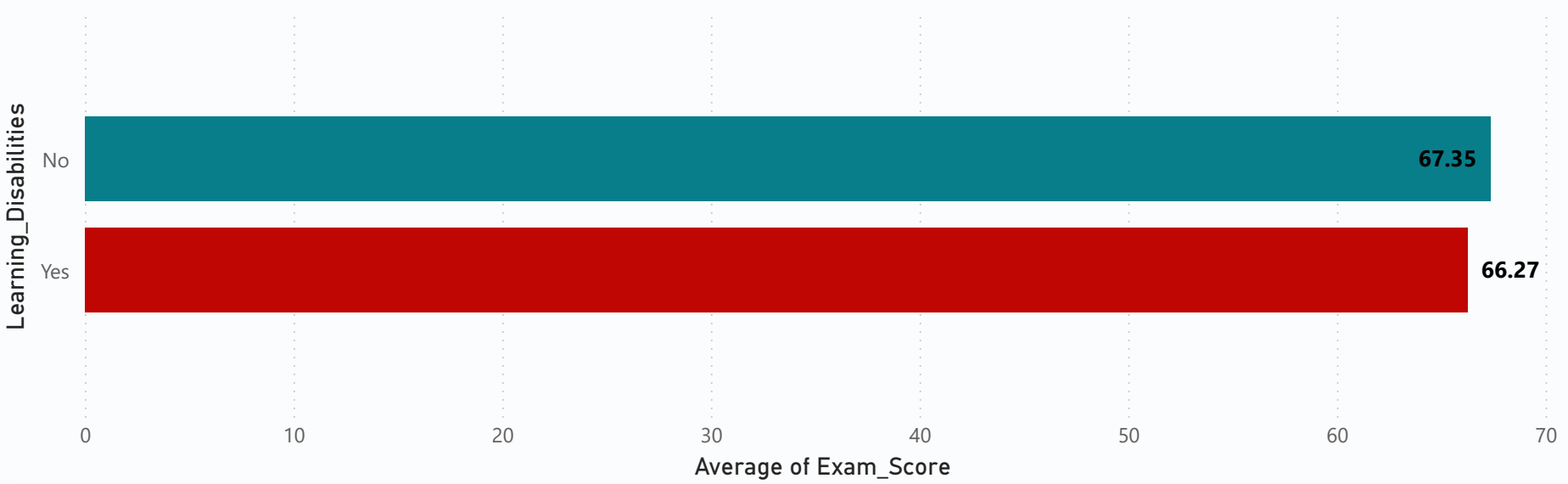
How Does Gender Affects Average Exam Scores?

The analysis shows that gender has no statistical significant effect of gender on overall exam scores. However, in the current exam, female students outperformed male students by a marginal 0.1%, while in the previous exam, male students outperformed female students by 0.03%the exam scores. However, the female gender outperform the male gender with 0.1% in the present exam scores while in the previous exam scores the male outperform the female gender with about 0.03%.

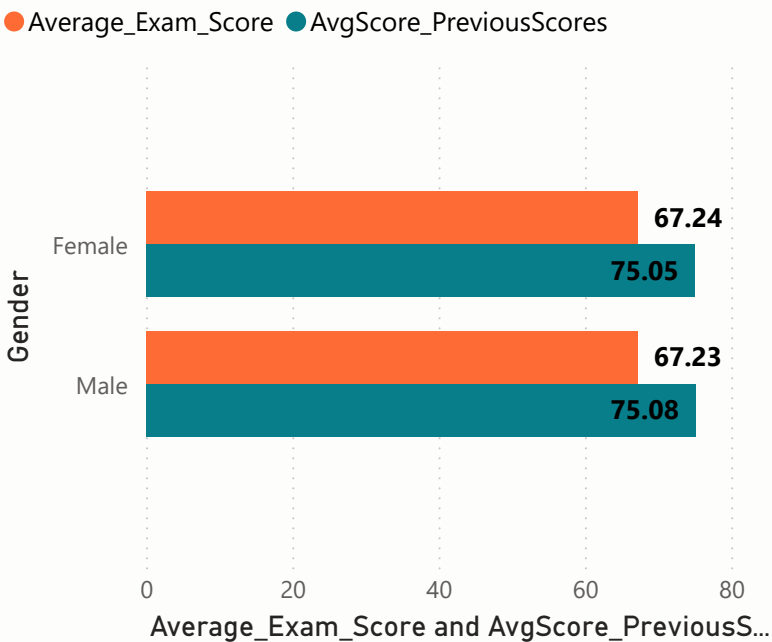
How Does School Type Affect Exam-Scores?

The data analysis shows a slight performance difference between students in private and public schools. Specifically students attending private schools outperform that students in private schools perform better with 0.08% than those in public schools by 0.08% in their exam scores.

Effect of Teacher_Quality on Average of Exam_Score and Average of Previous_Scores



Effect of Gender on Exam Scores



Effect of School type on Average_Exam_Score

