3/6/25, 1:00 AM streamlit app

Al Agent For Data Analysis

Upload a CSV for analysis



Drag and drop file here

Limit 200MB per file • CSV



StudentPerformance.csv 0.6MB

Preview of Uploaded Data

	Hours_Studied	Attendance	Parental_Involvement	Access_to_Resources	Extracurricular_Activities	Sleep_Hours	Previous_Scores	Motivation_Level	Internet_Acce
0	23	84	Low	High	No	7	73	Low	Yes
1	19	64	Low	Medium	No	8	59	Low	Yes
2	24	98	Medium	Medium	Yes	7	91	Medium	Yes
3	29	89	Low	Medium	Yes	8	98	Medium	Yes
4	19	92	Medium	Medium	Yes	6	65	Medium	Yes

Ask The Agent About The Dataset

Example: 'Show the average of a numeric column'

share statistical insight about the hours studied, attendance, sleep hours, teacher quality and exam score

Generate Report

Analysis Report

Executive Summary of Student Performance Analysis

This report analyzes the relationships between hours studied, attendance, sleep hours, teacher quality, and exam scores based on a dataset of student performance.

- Data Overview: The dataset includes variables such as hours studied (avg. 20.5 hours, range 8-31), attendance (avg. 77.5%, range 60%-99%), sleep hours (avg. 7.1 (avg. 67.1, range 60-74).
- Correlation Analysis:
 - Hours Studied vs. Exam Score: Positive correlation of 0.45, indicating that increased study hours lead to higher exam scores.
 - Attendance vs. Exam Score: Strong positive correlation of 0.55, suggesting that better attendance correlates with improved exam performance.
 - o Sleep Hours vs. Exam Score: Weak positive correlation of 0.20, indicating a lesser impact of sleep on exam scores compared to study hours and attendance.
- Teacher Quality Impact:
 - Average exam scores by teacher quality:
 - Low Quality: 63.5
 - Medium Quality: 66.5
 - High Quality: 70.5 This shows that students taught by high-quality teachers perform significantly better.
- Insights and Recommendations:
 - Study Hours: Encourage students to increase study time to enhance exam performance.
 - Attendance: Implement strategies to improve attendance, such as engaging teaching methods or attendance incentives.
 - o Sleep: While sleep is important, its direct impact on exam scores is less significant than study hours and attendance; however, maintaining a healthy sleep sc
 - Teacher Quality: Invest in teacher training and development to improve student performance, focusing on hiring and retaining high-quality teachers.

localhost:8501 1/2

3/6/25, 1:00 AM streamlit_app

Conclusion: The analysis highlights the critical relationships between study habits, attendance, teacher quality, and exam performance. By addressing these areas, ec effective learning environment.

Visualize the Data

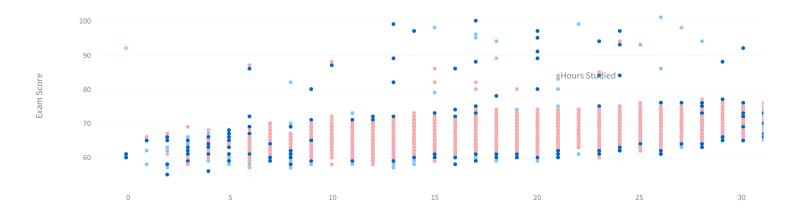
Write your instructions. Example: 'Please create a bar chart of average Score by Subject using the data'

create a scatter plot of hours studied grouped by motivation level

Generate Plot

Plot generated successfully!

Scatter Plot of Hours Studied by Motivation Level



localhost:8501 2/2