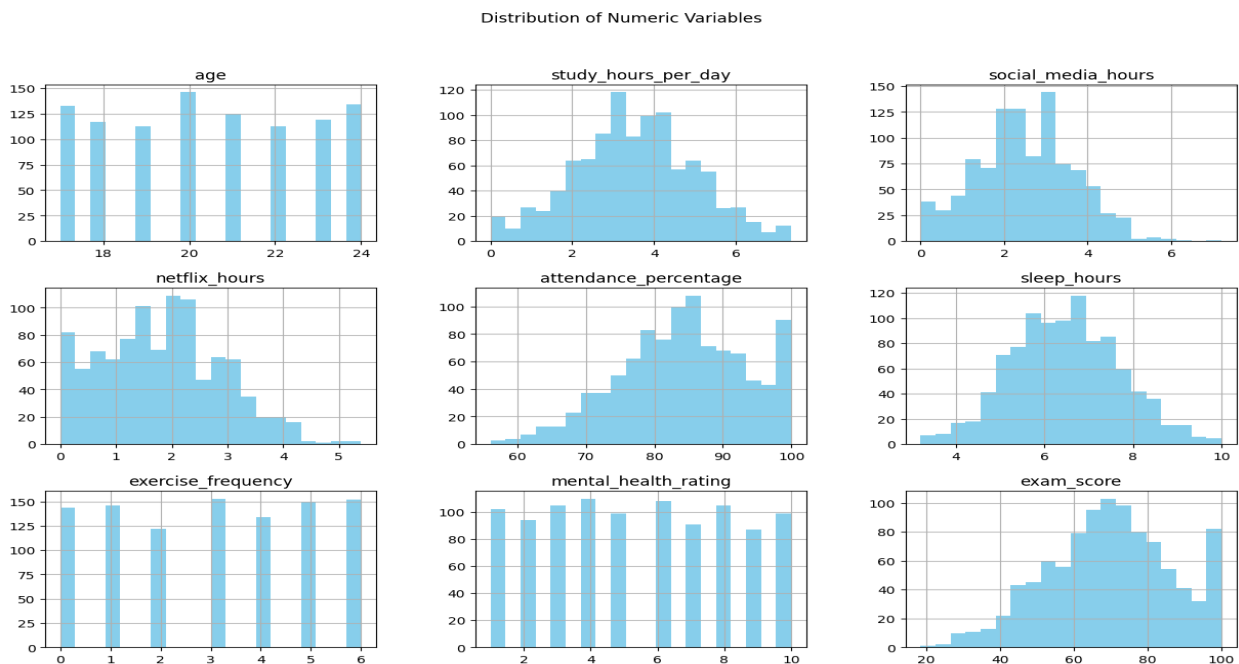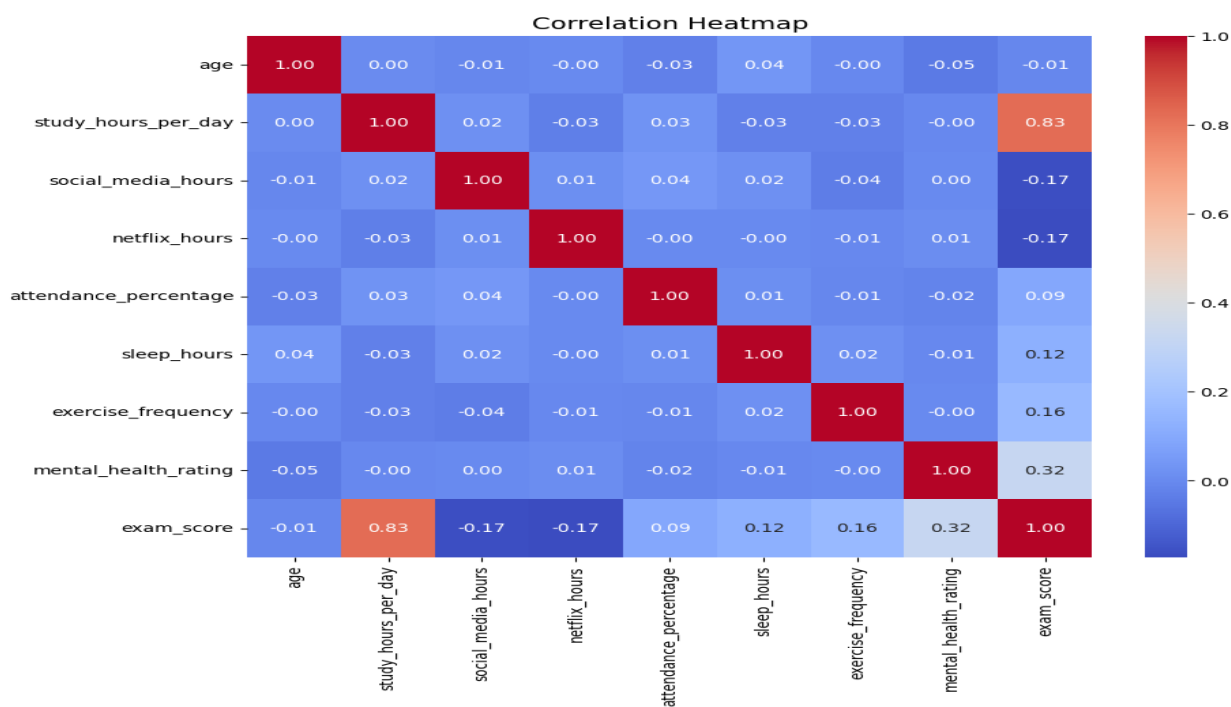# PROJECT VISUALIZATIONS

1. Histograms showing distribution of variables

Distribution of Numeric Variables

2. Heatmap of feature correlations

Correlation Heatmap

3. Scatter plots with regression line showing the relationships between other variables and exam score.

Exam Score vs Study Hours Per Day

Exam Score vs Social Media Hours

social_media_hours

Exam Score vs Netflix Hours

Exam Score vs Attendance Percentage

4. Outlier check

Outlier Check: Study Hours
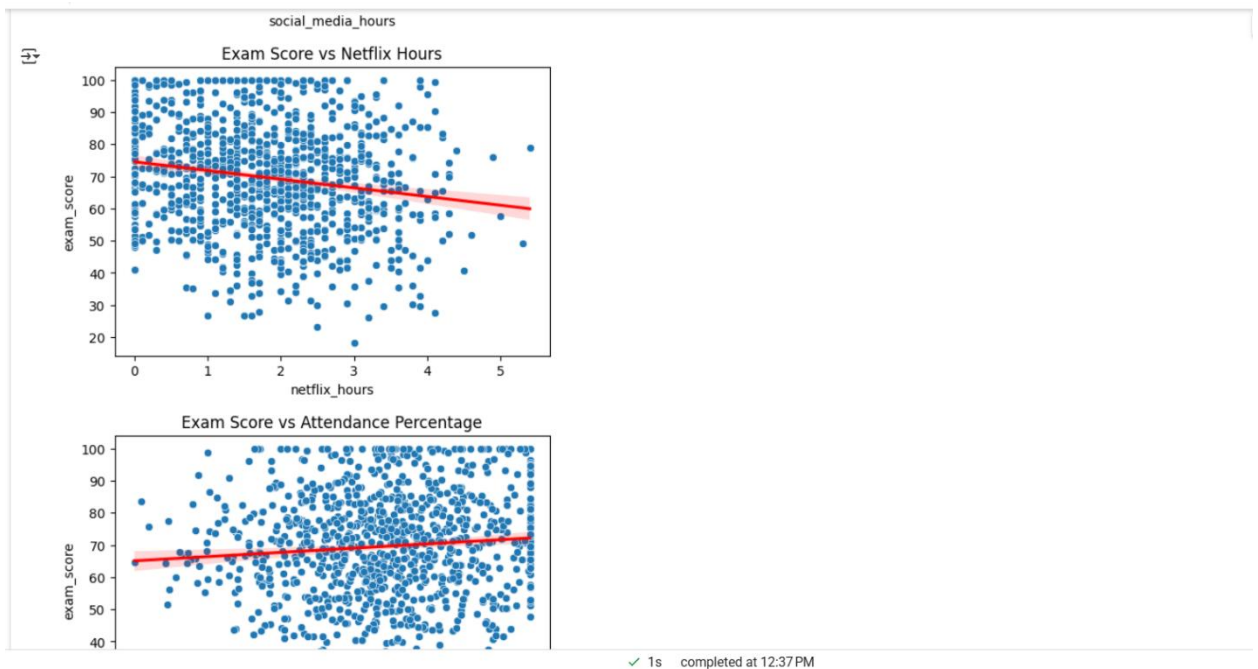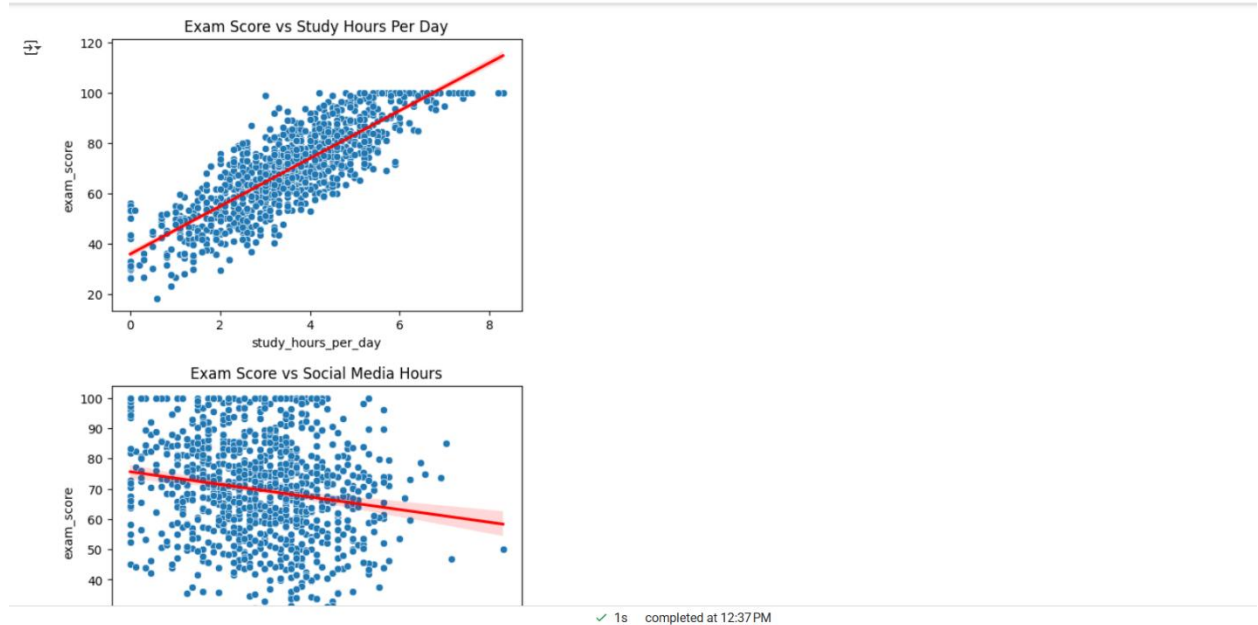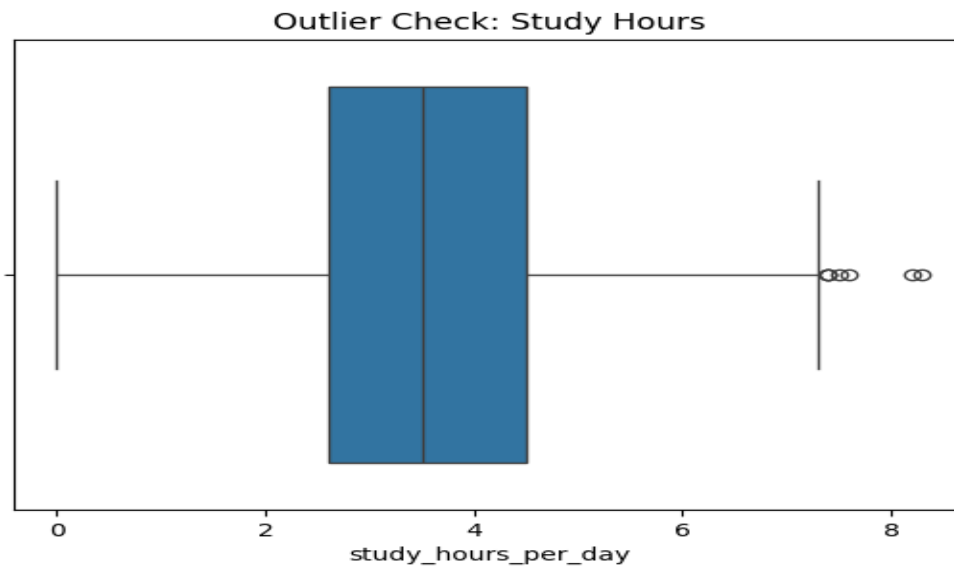
5. Bar plot comparing variables and its importance

Top 10 Feature Importances (Random Forest)
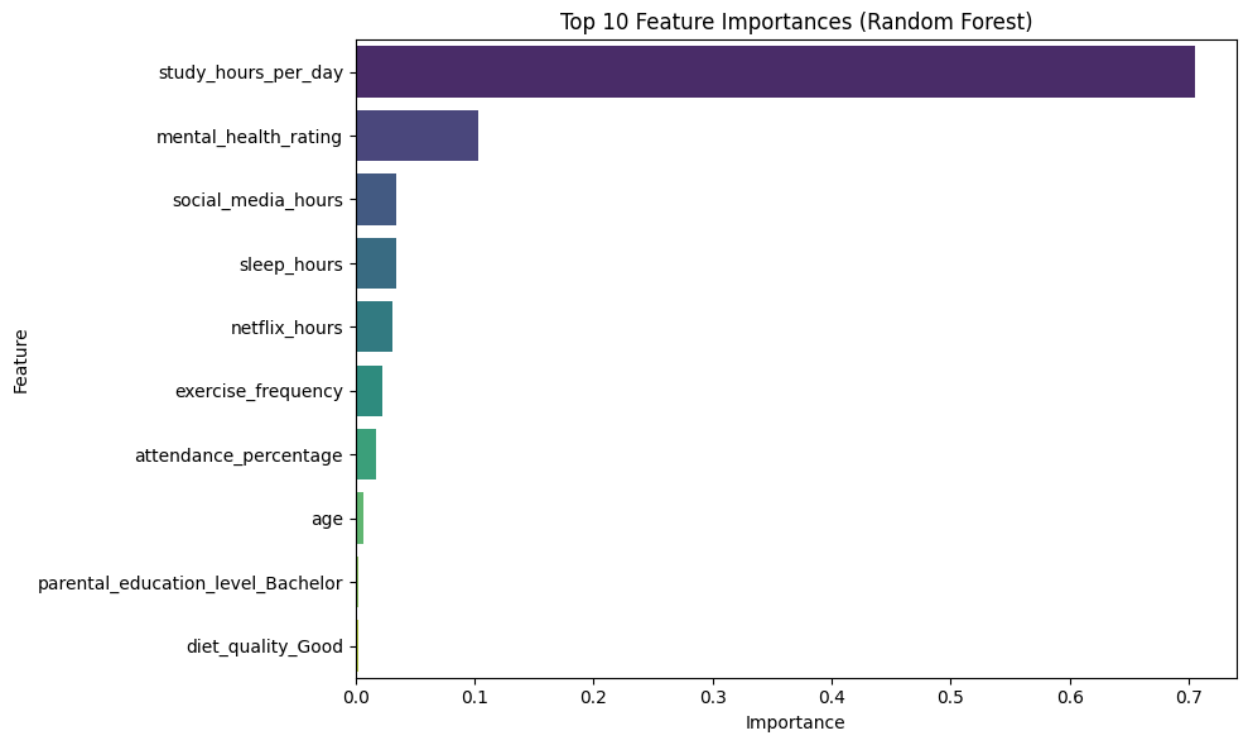
6. Heatmap - correlation matrix between variables and exam score

Correlation Between Attendance, Study Time, and Exam Score

	attendance_percentage	study_hours_per_day	exam_score
attendance_percentage	1.00	0.03	0.09
study_hours_per_day	0.03	1.00	0.83
exam_score	0.09	0.83	1.00