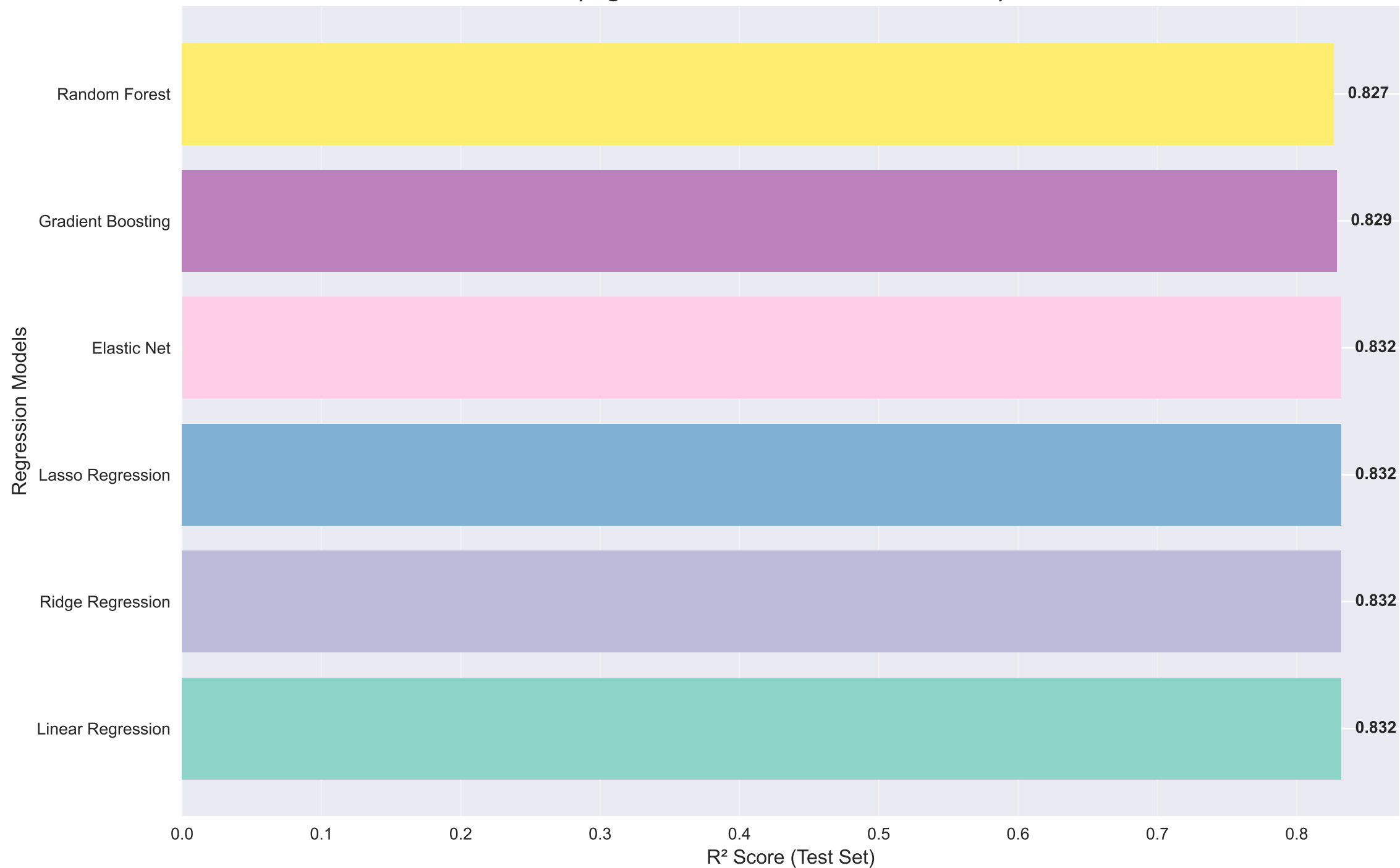
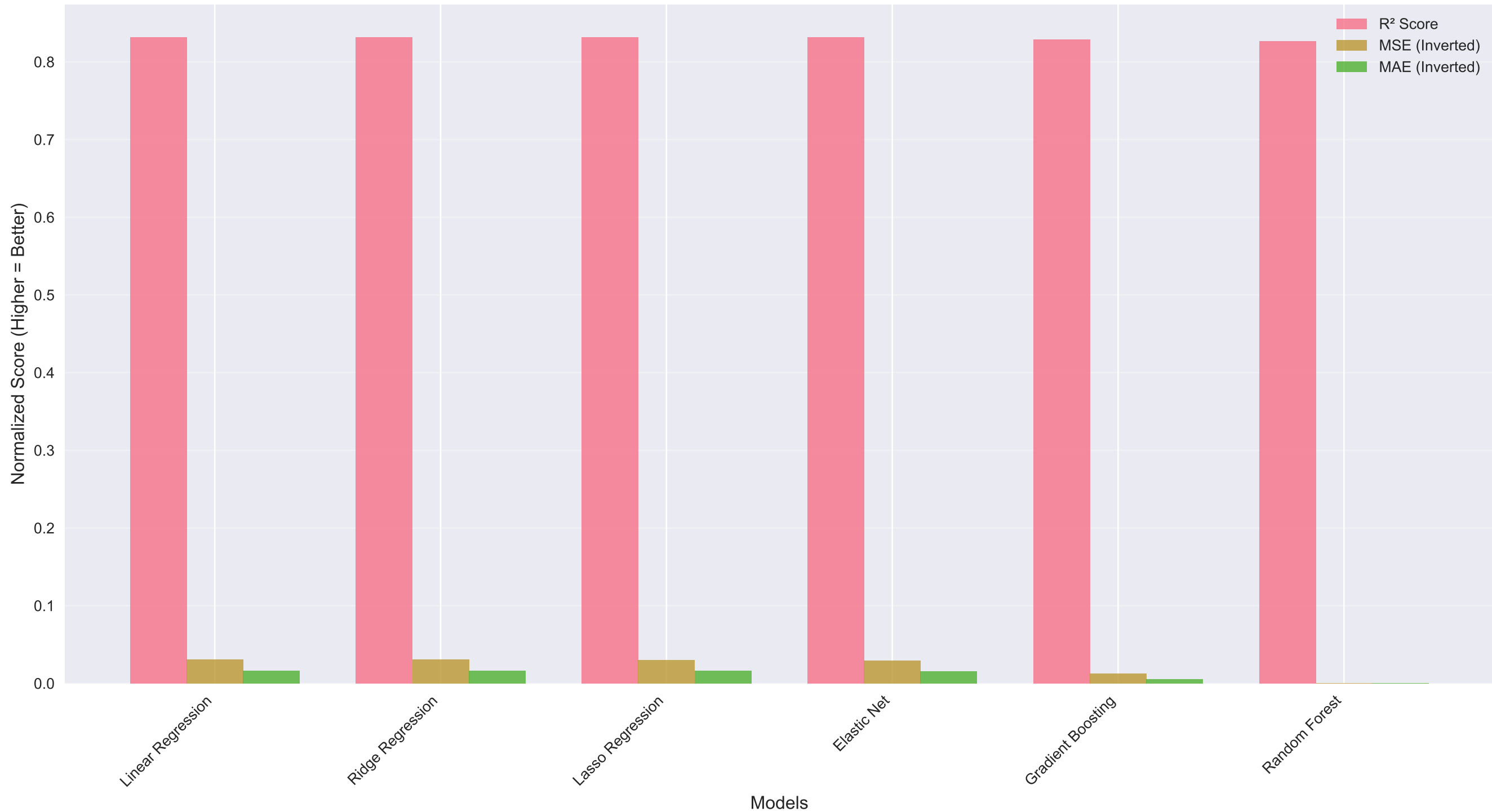


Model Performance Comparison
(Higher R^2 Score = Better Performance)

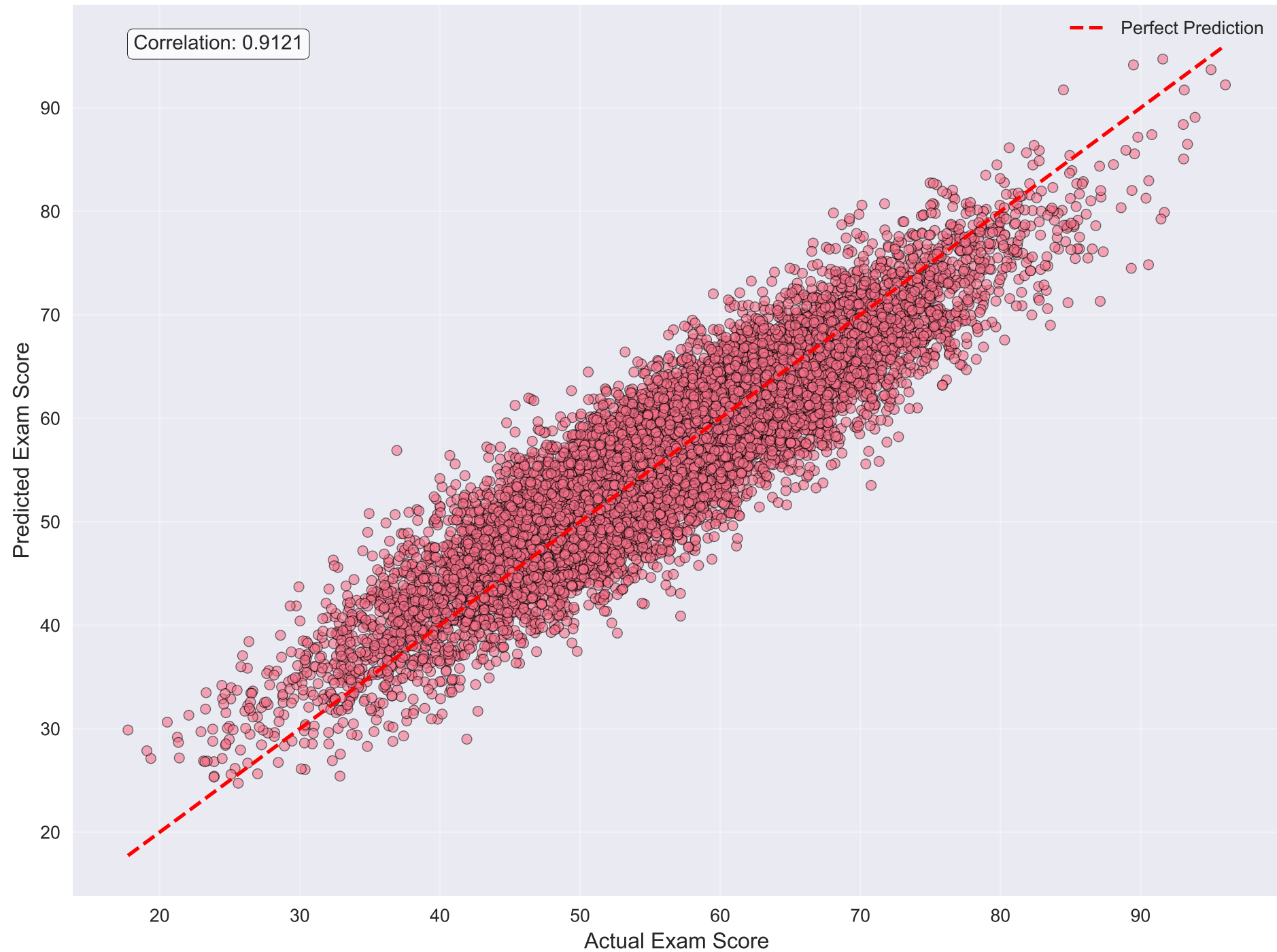


Comprehensive Model Performance Metrics

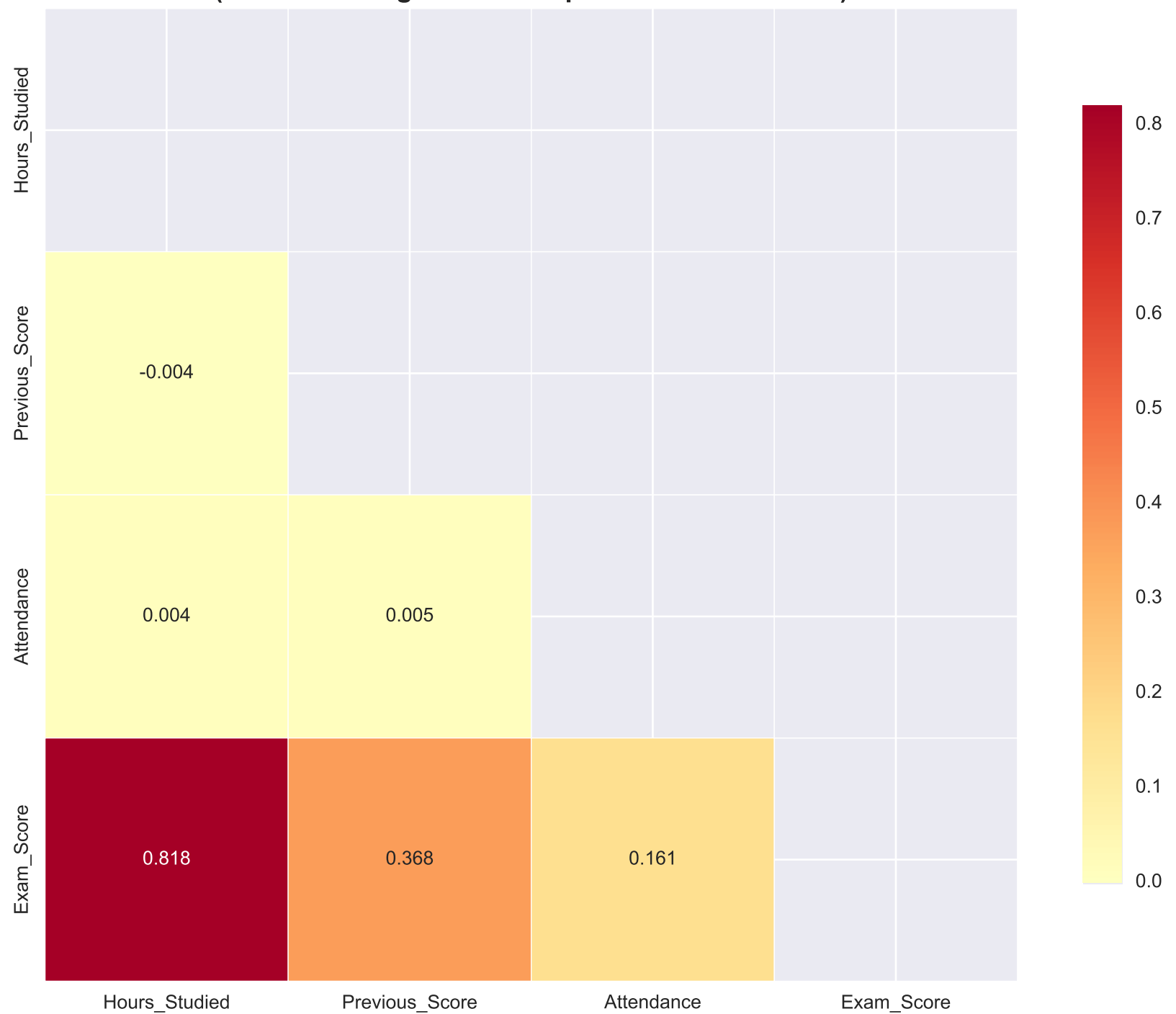


Actual vs Predicted Exam Scores

Linear Regression ($R^2 = 0.8320$)

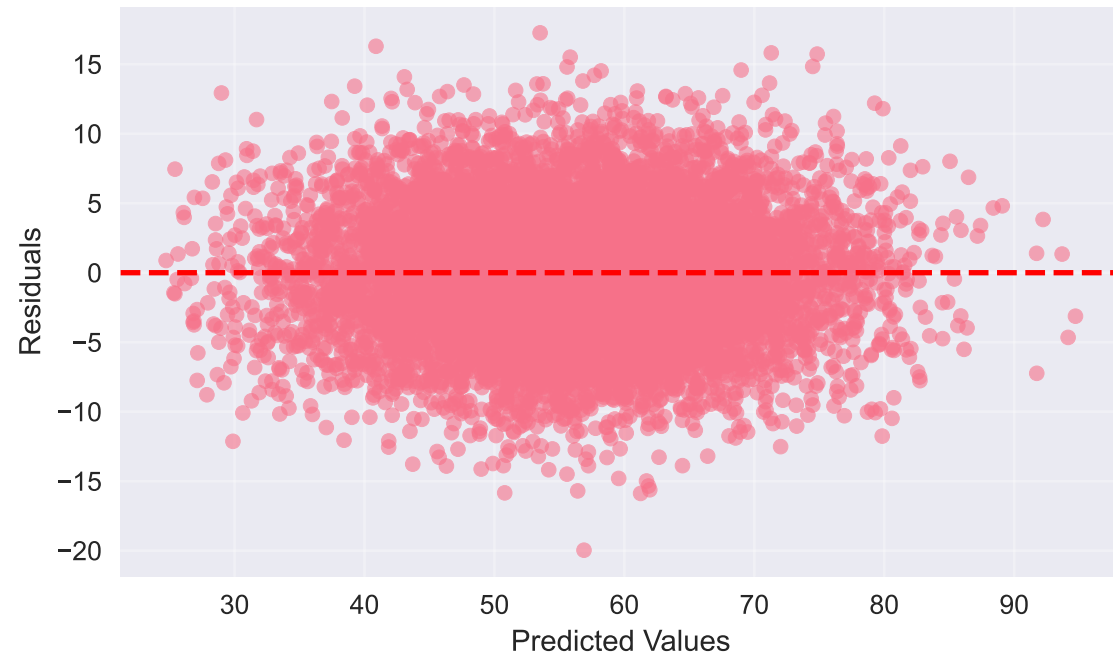


Feature Correlation Matrix
(Understanding Relationships Between Variables)

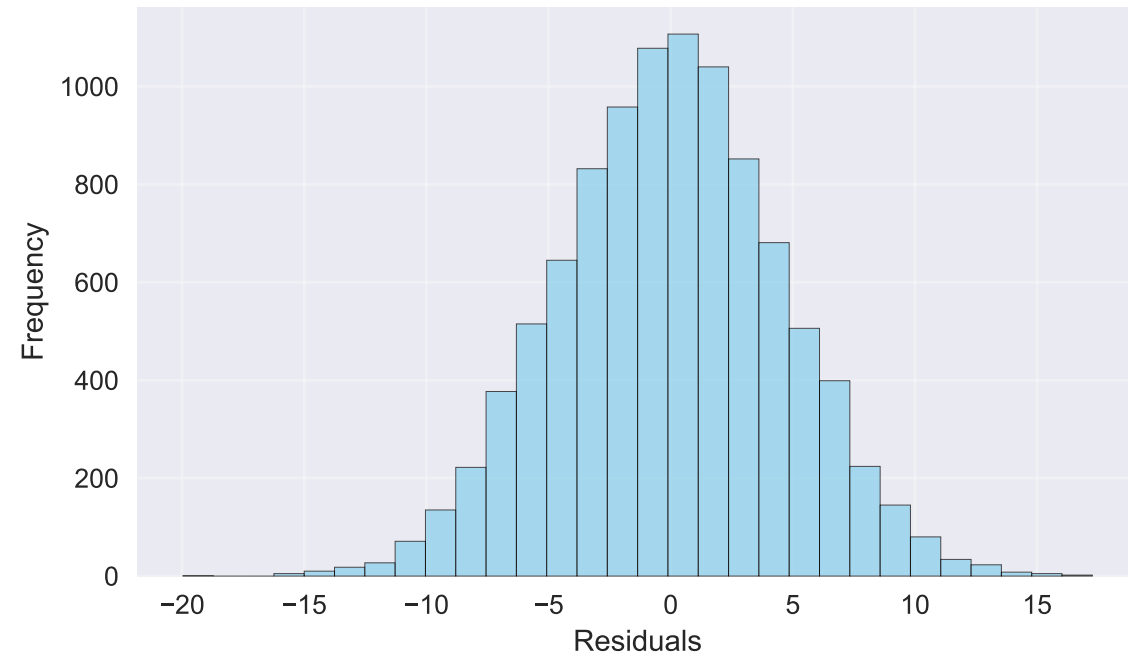


Residual Analysis - Linear Regression

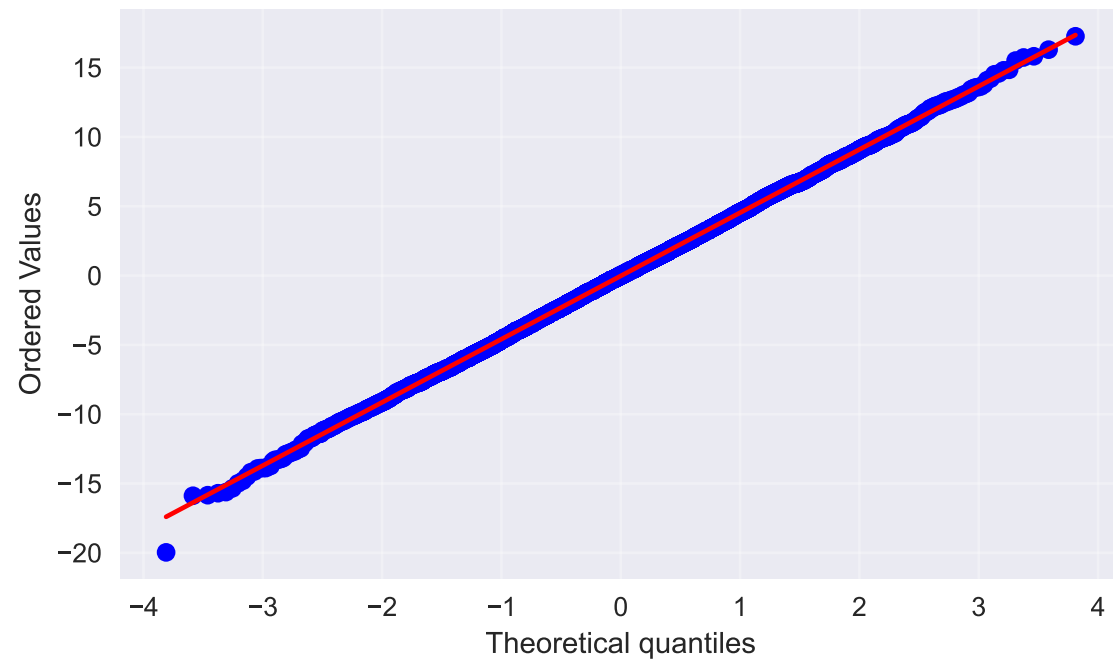
Residual Plot



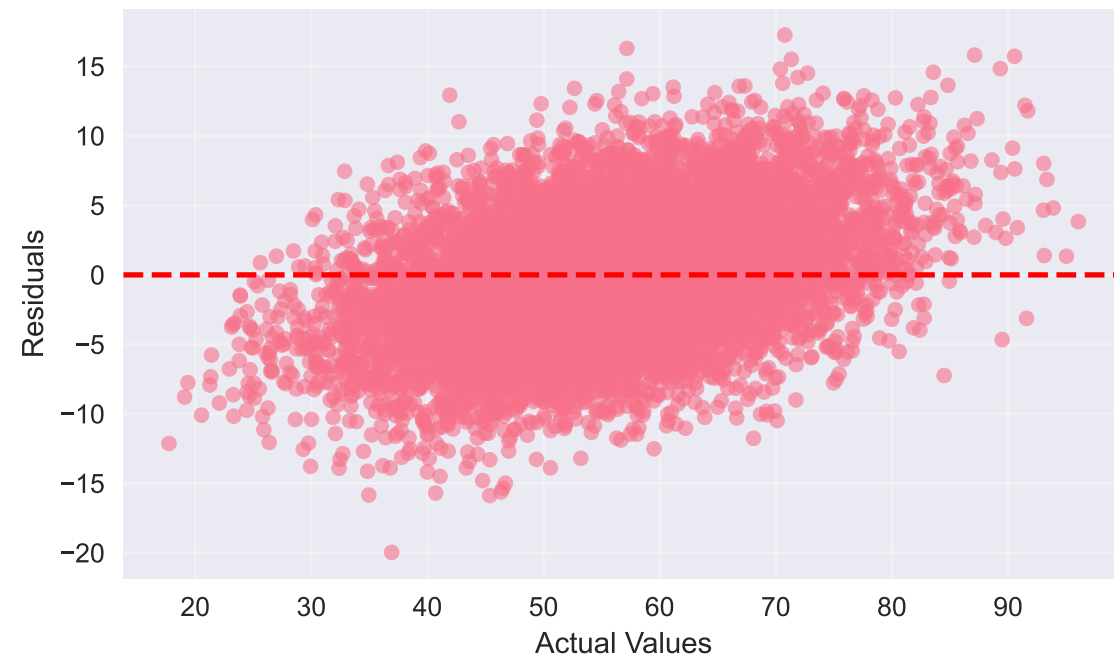
Distribution of Residuals



Q-Q Plot (Normality Check)

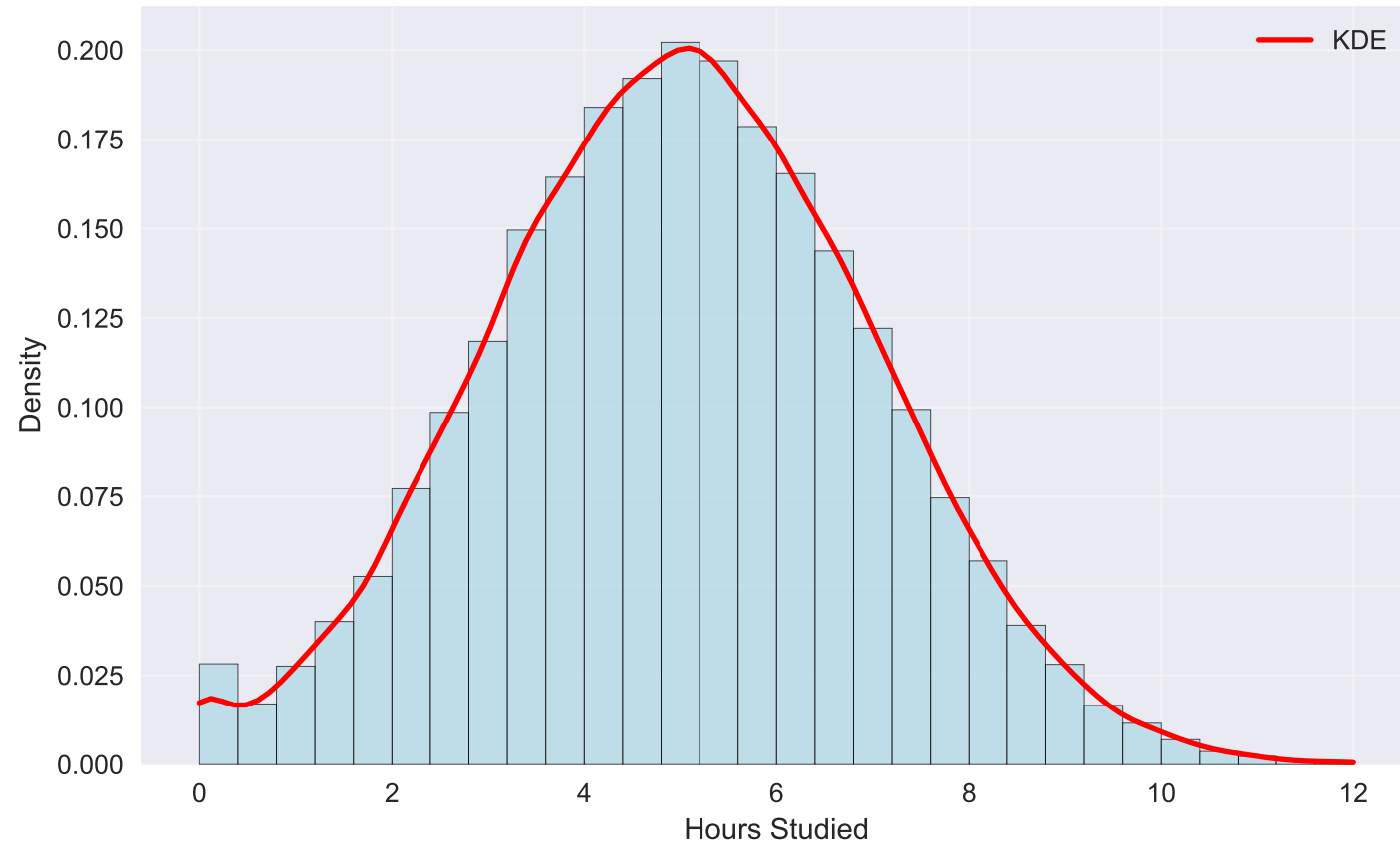


Residuals vs Actual Values

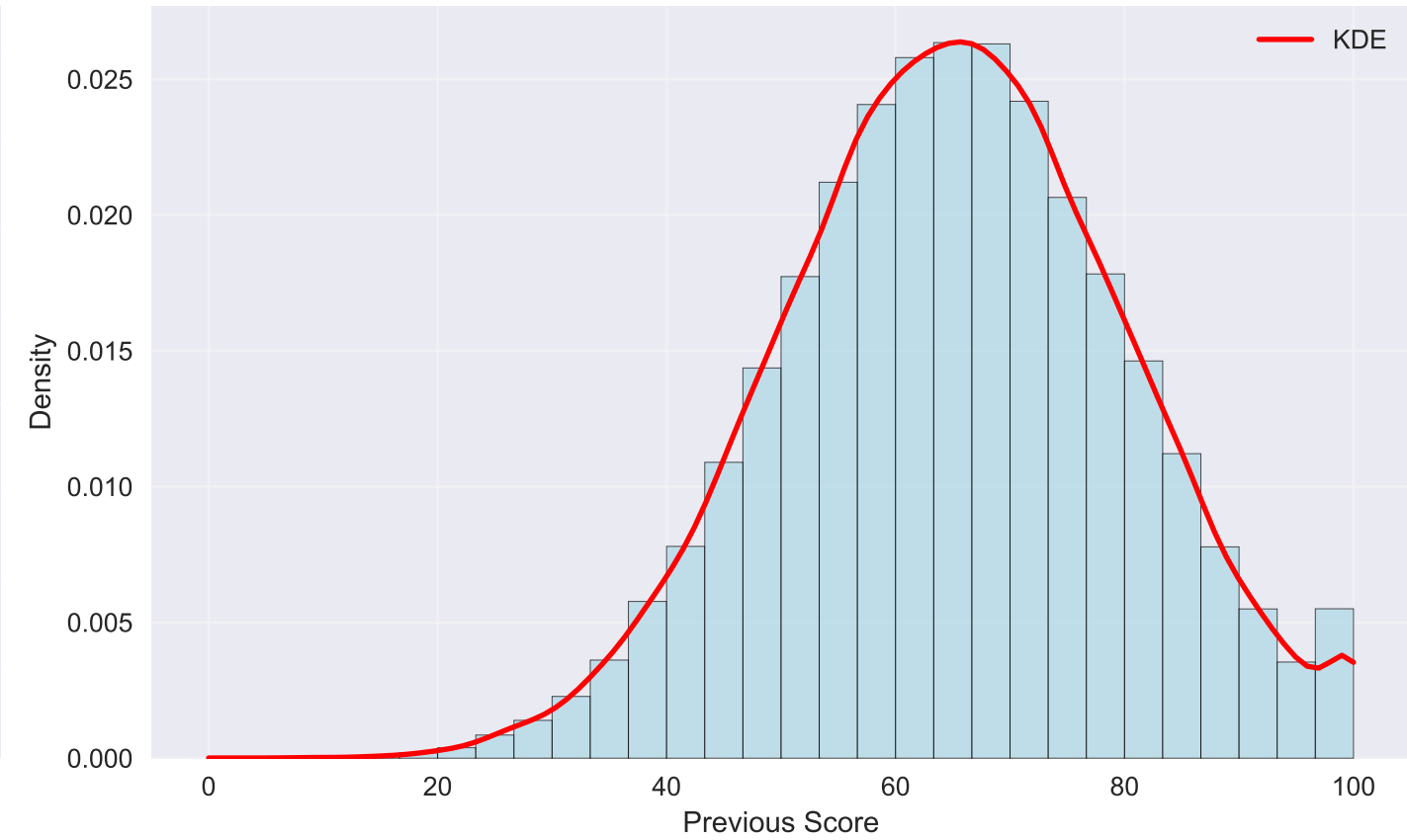


Feature Distribution Analysis

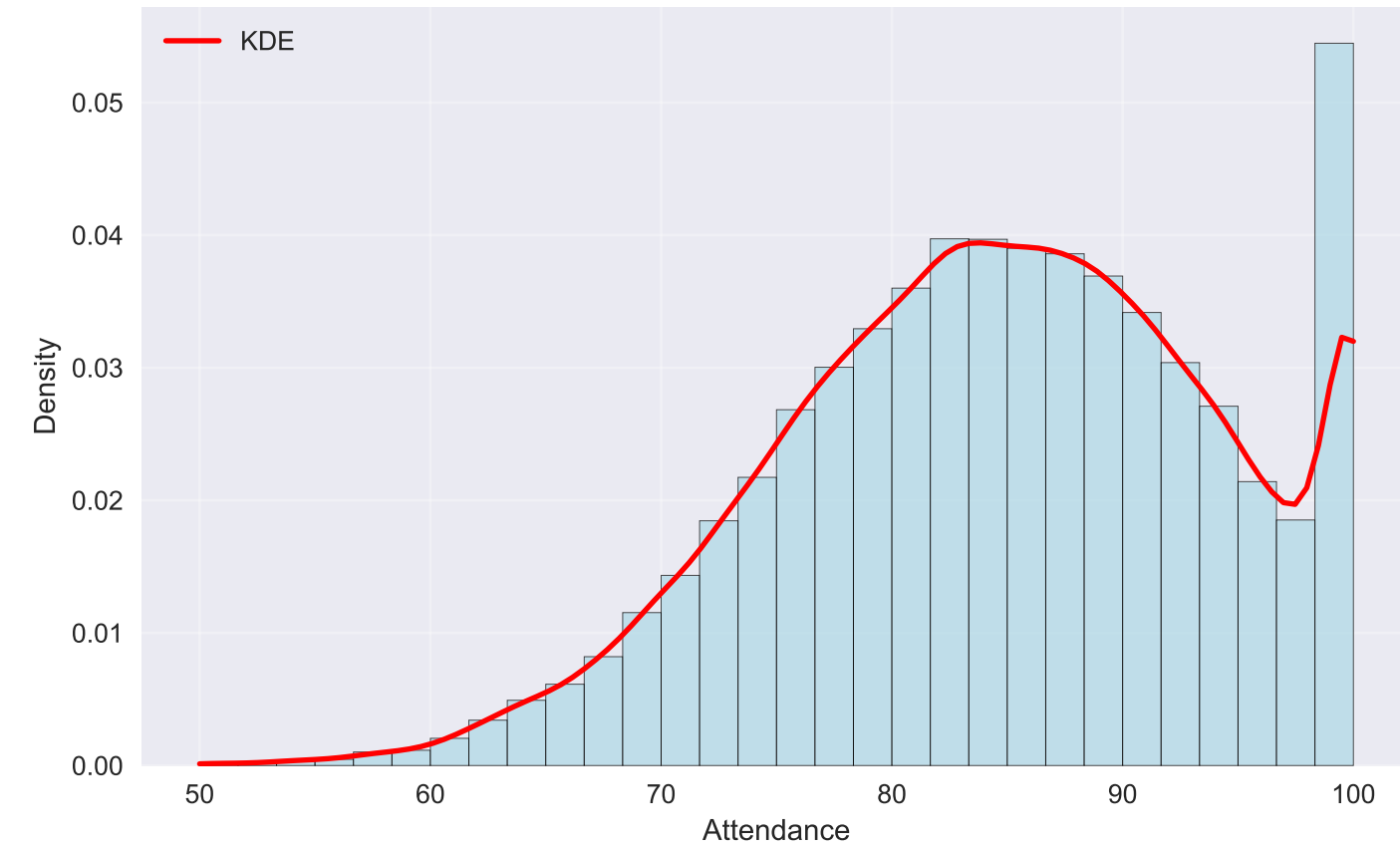
Distribution of Hours Studied



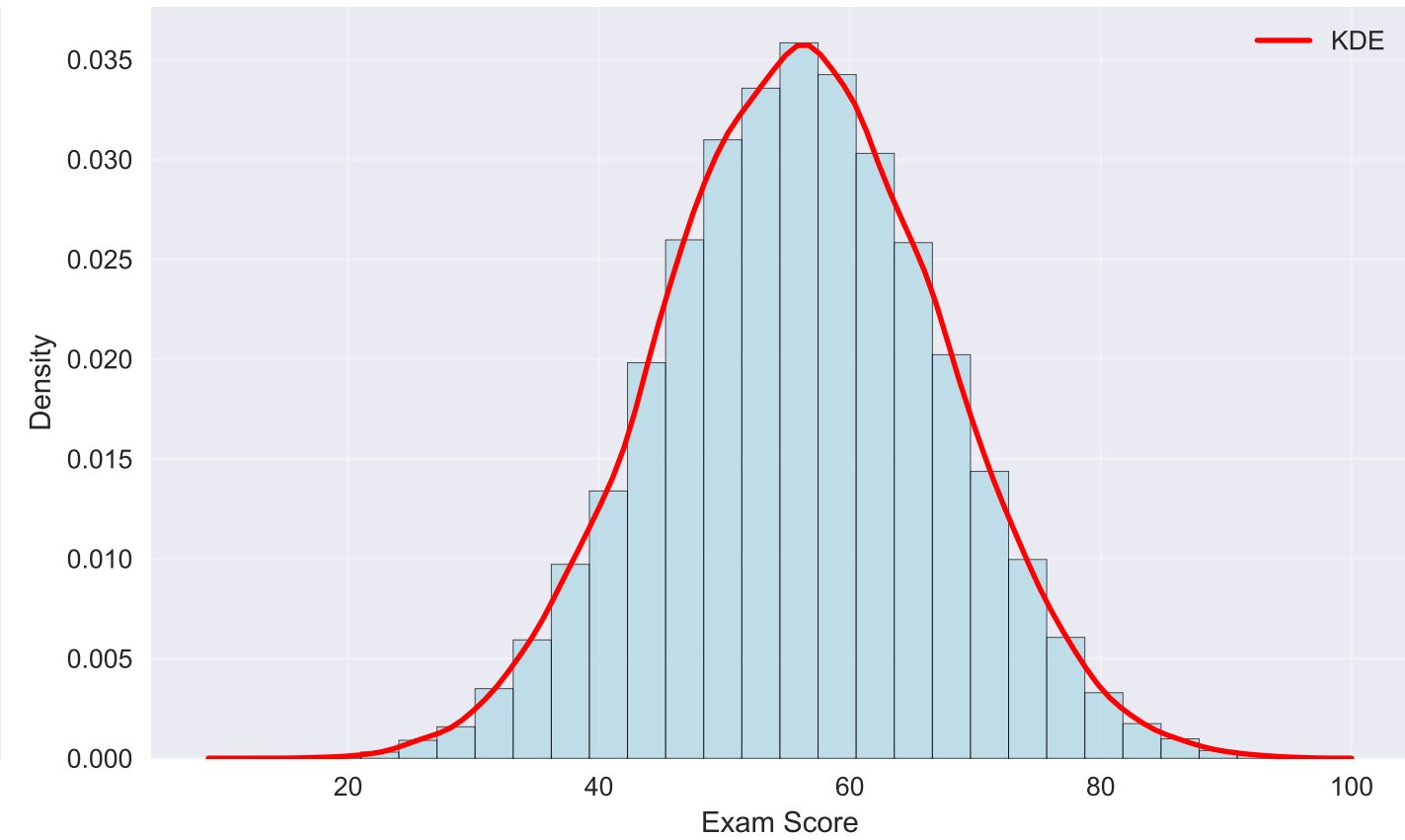
Distribution of Previous Score



Distribution of Attendance

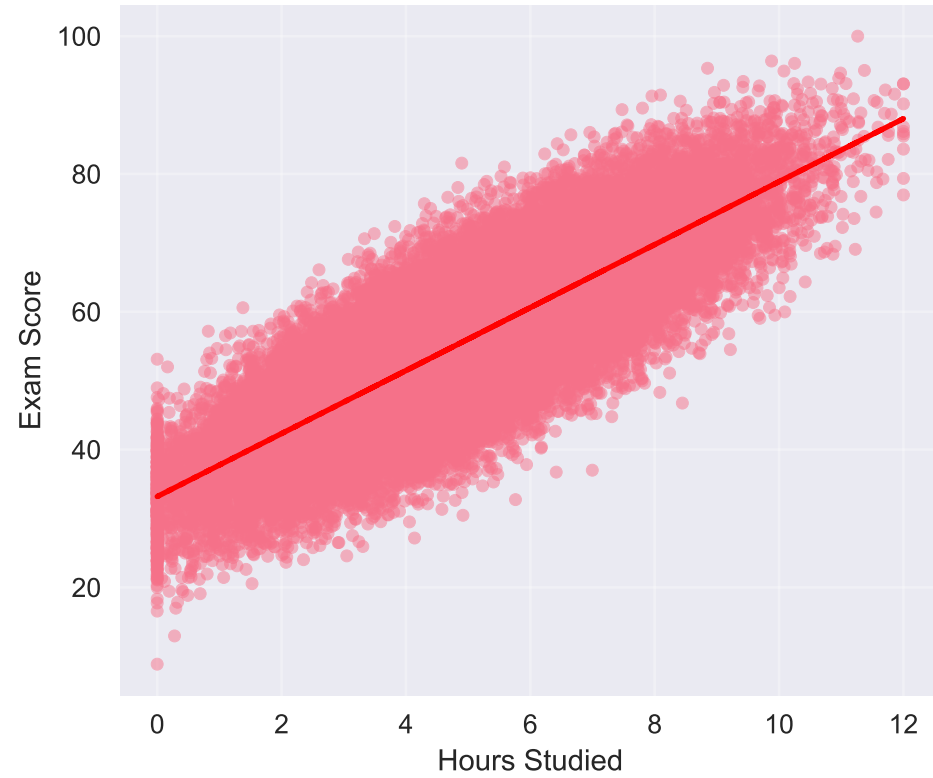


Distribution of Exam Score

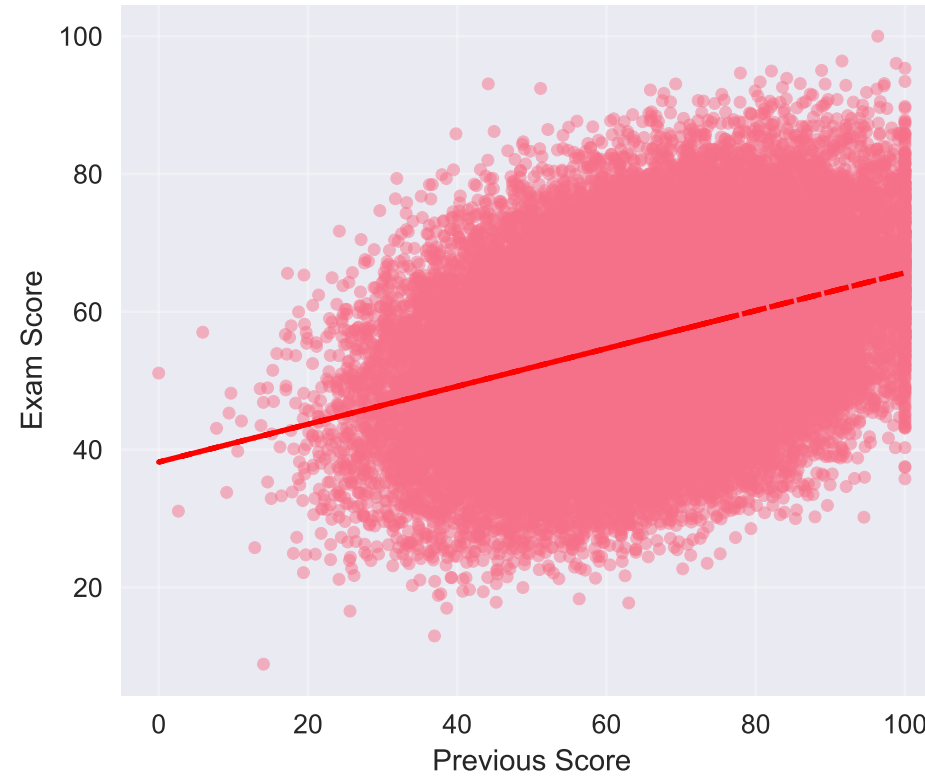


Feature Impact on Exam Scores

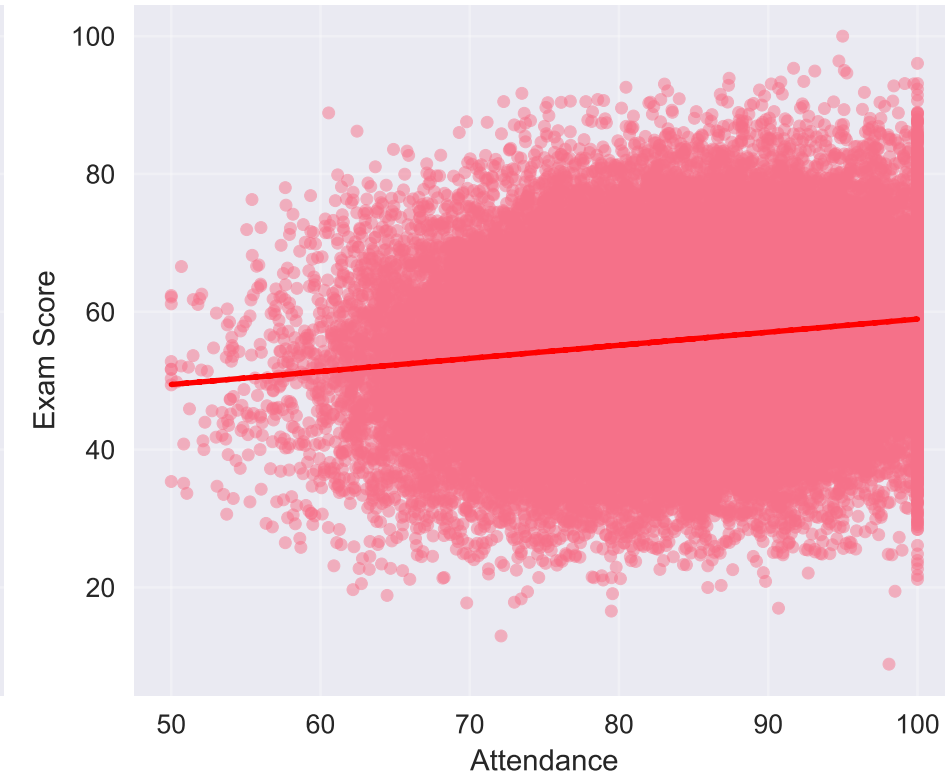
Hours Studied vs Exam Score
(Correlation: 0.818)



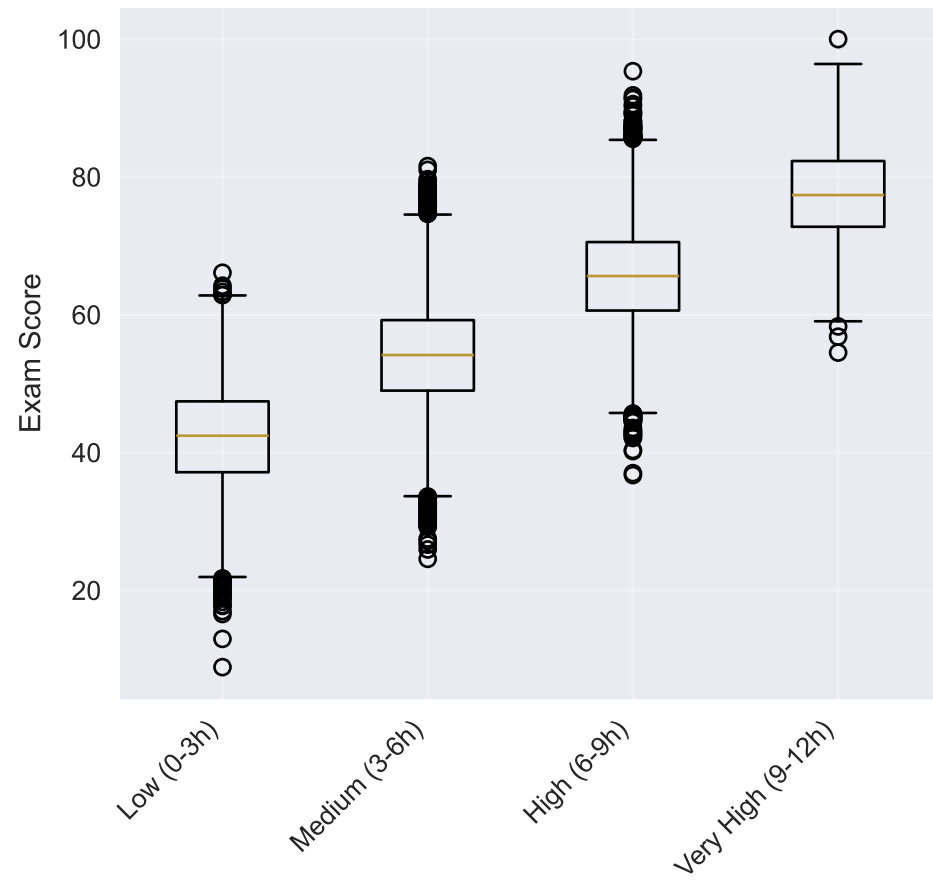
Previous Score vs Exam Score
(Correlation: 0.368)



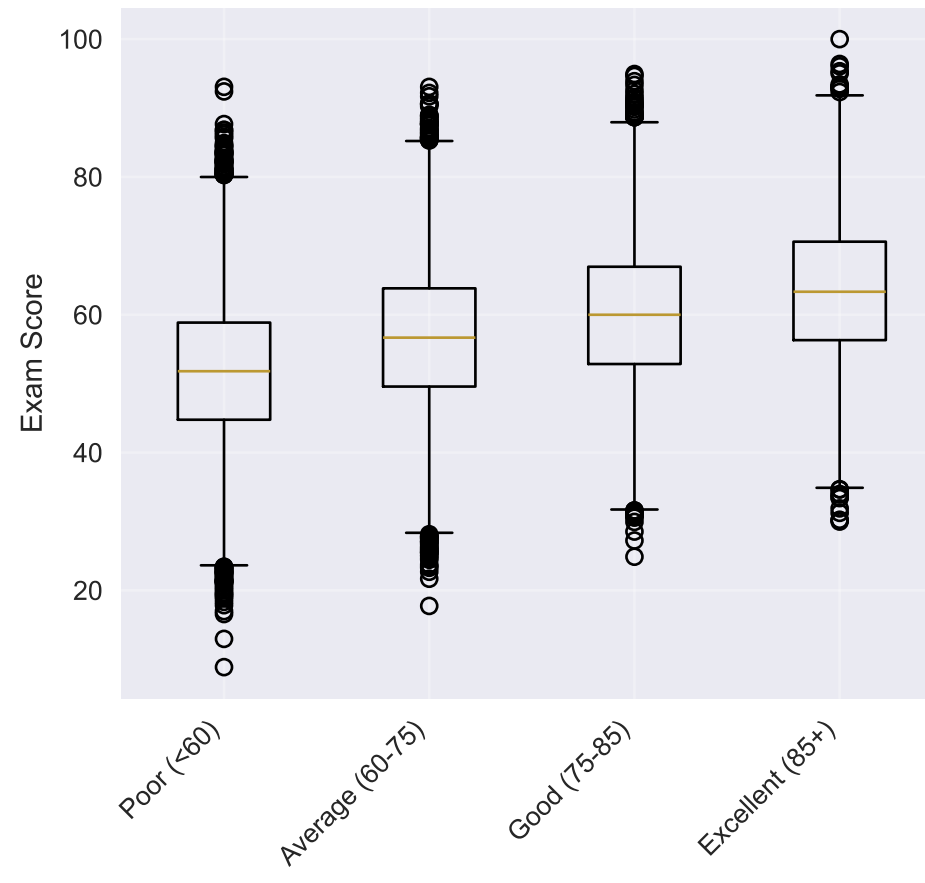
Attendance vs Exam Score
(Correlation: 0.161)



Score Distribution by Hours Studied Level



Score Distribution by Previous Score Level



Score Distribution by Attendance Level

