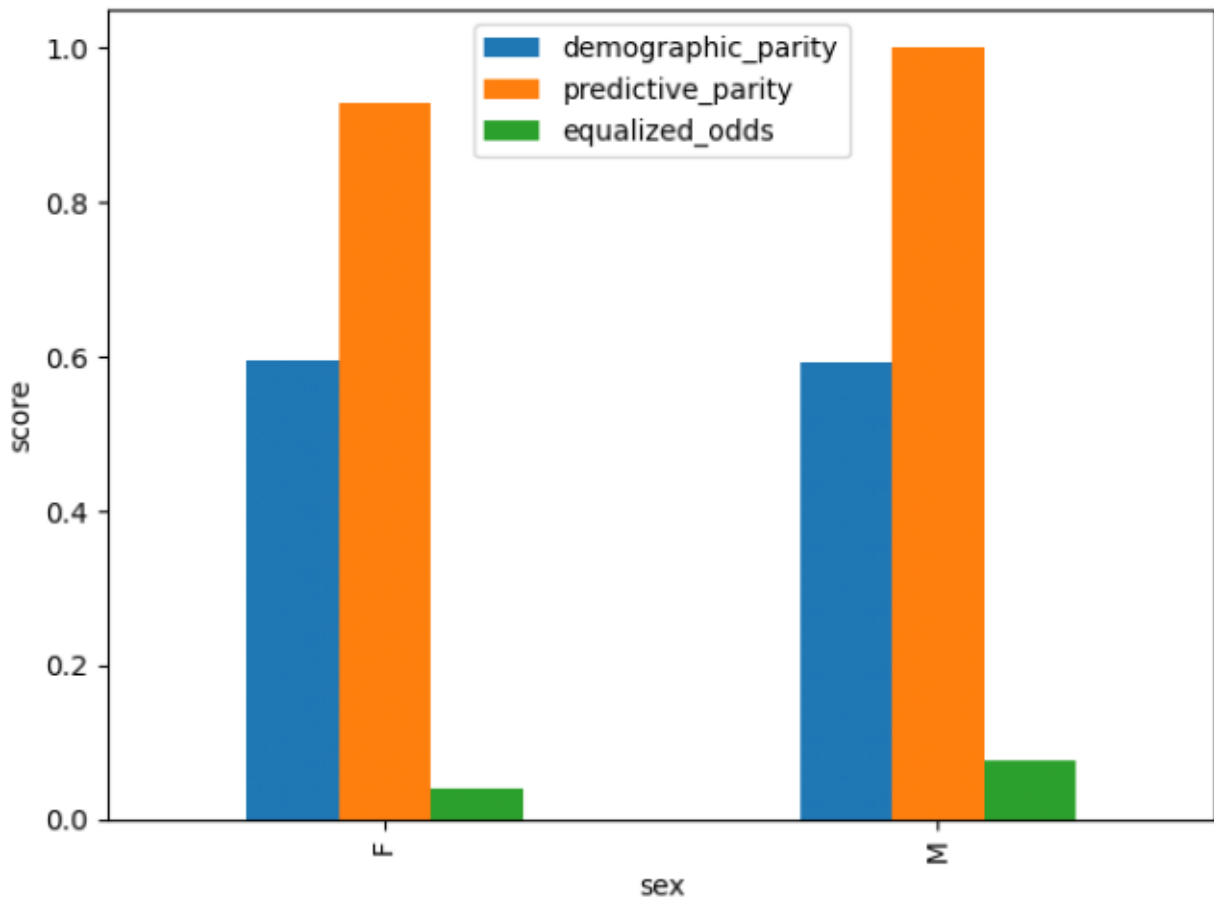# GUIDE Pipeline
Complete Results Summary

Generated: 2025-08-25 14:14:10
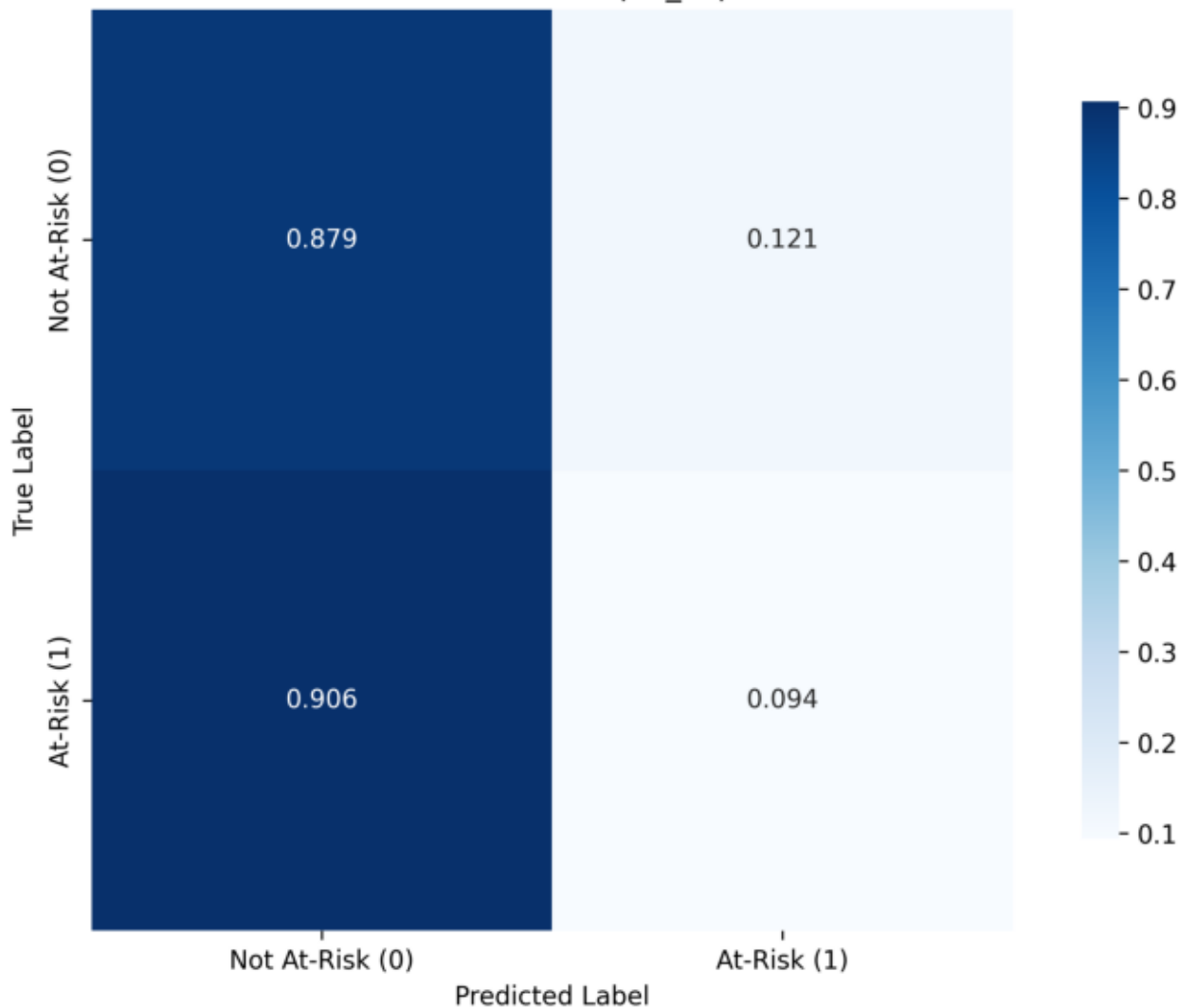
Total Figures: 88

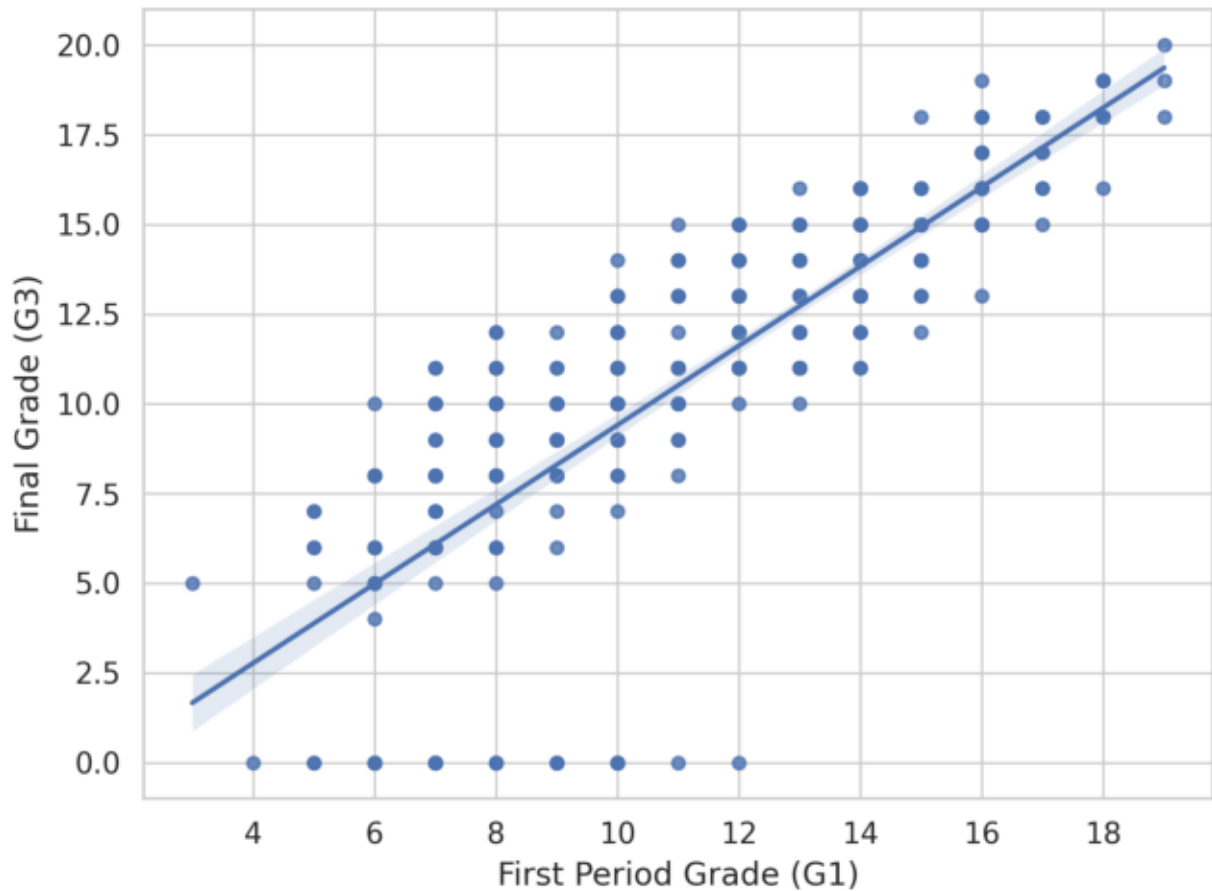Fairness Sex

Example Experiment Confusion Matrix

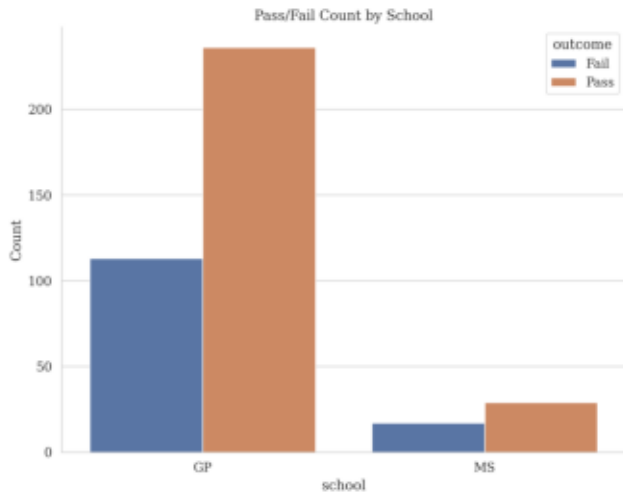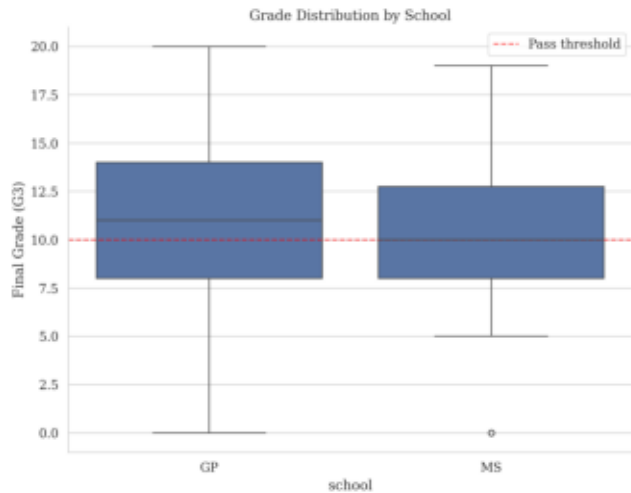Eda G1 Vs G3 Scatter

Eda Grade By School Analysis

Grade Distribution by School

Pass/Fail Count by School
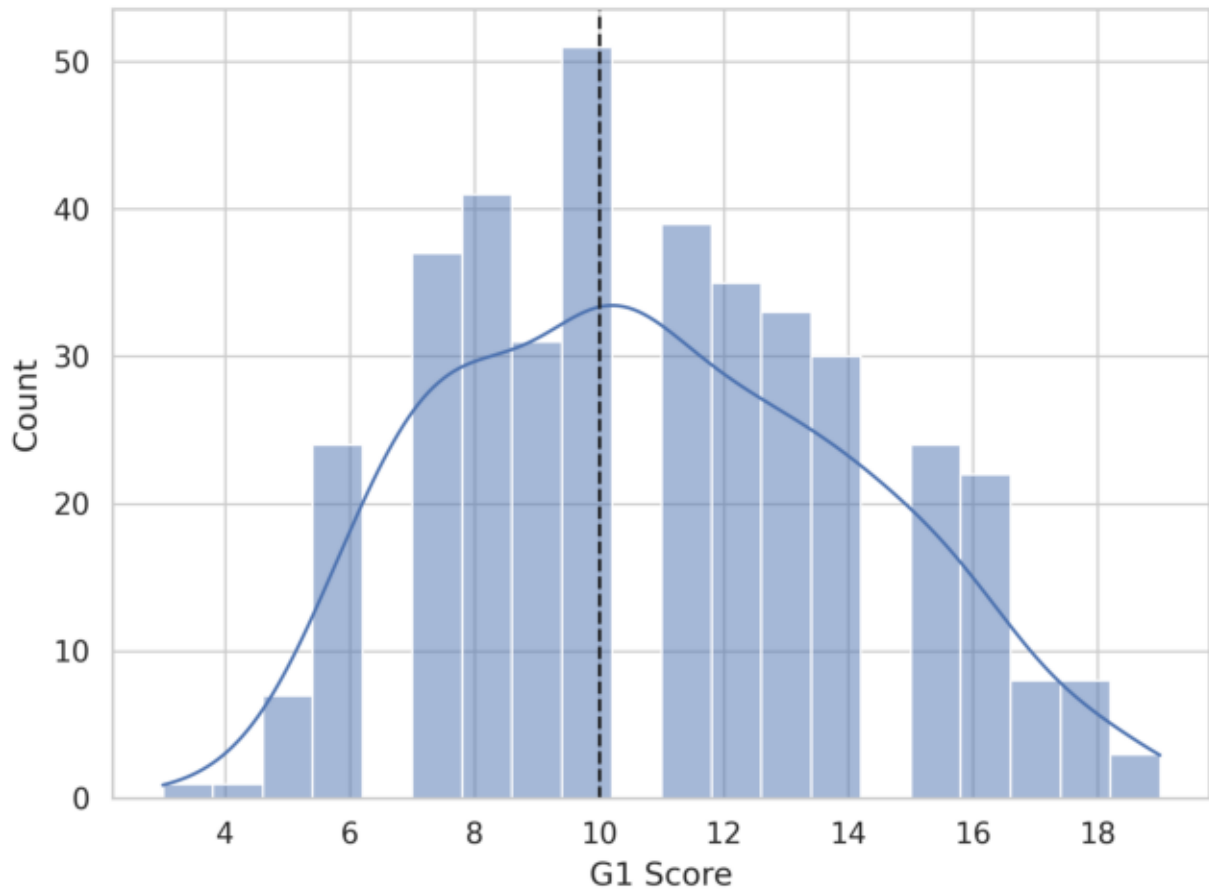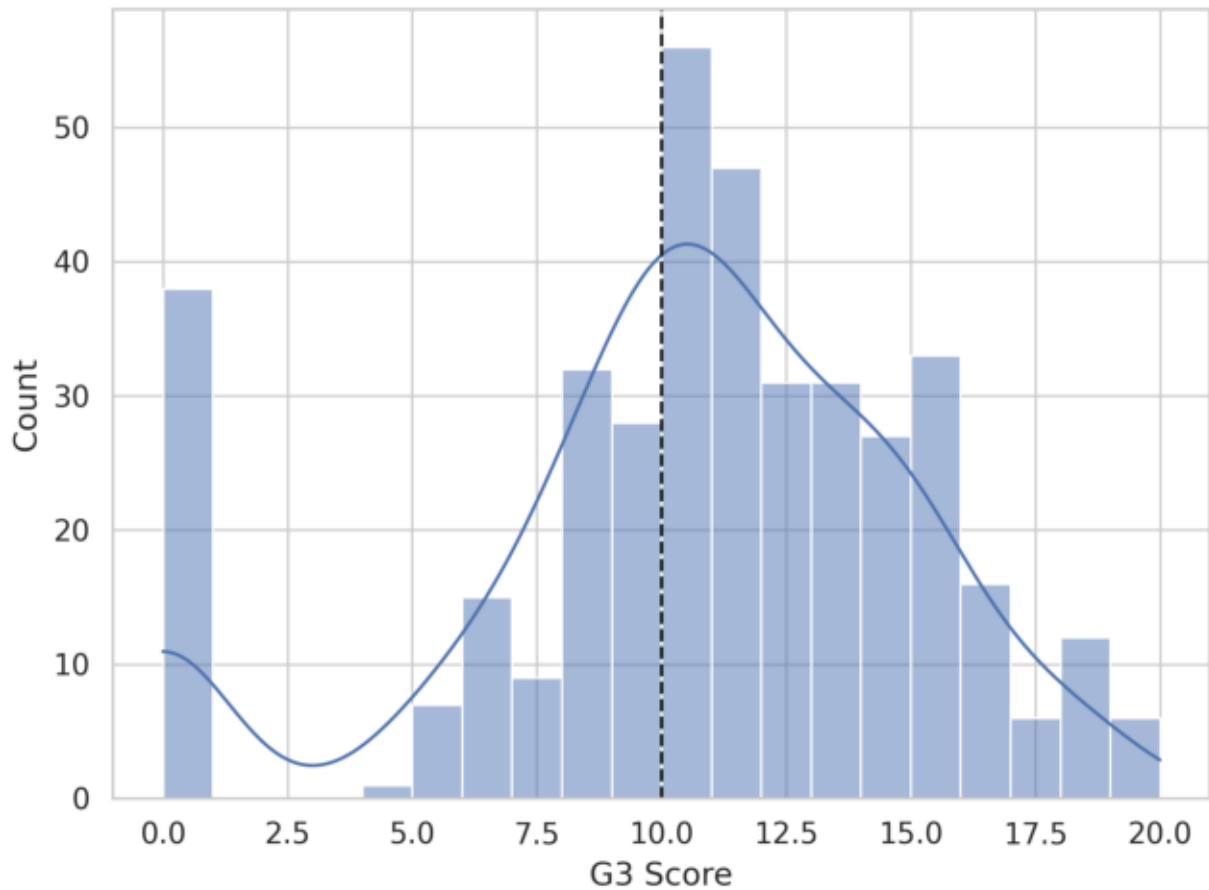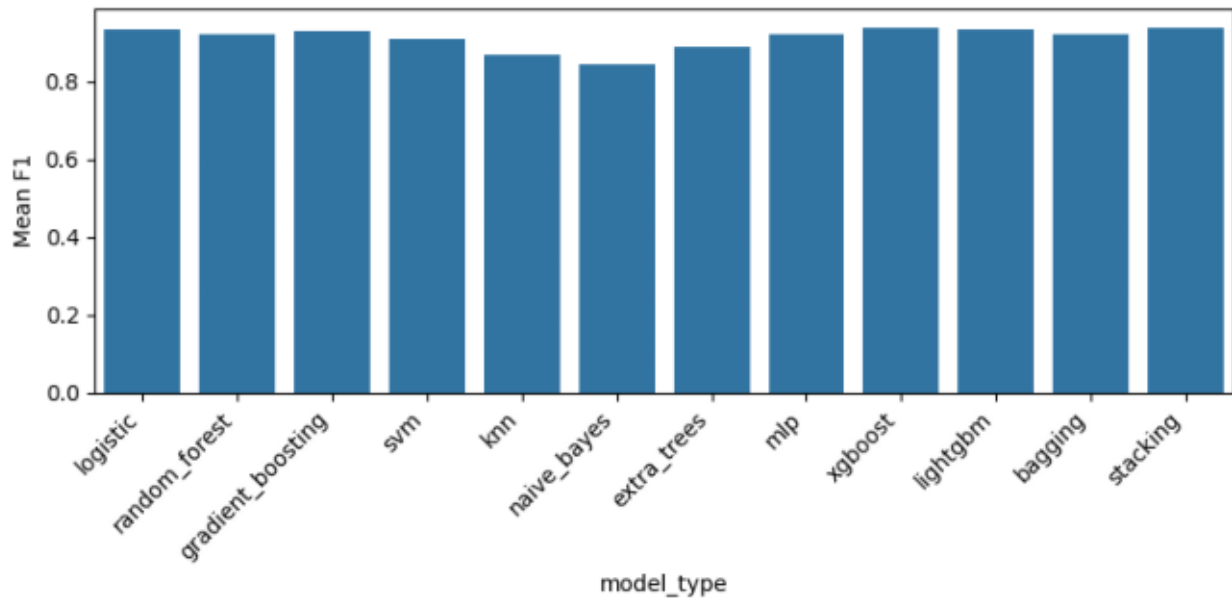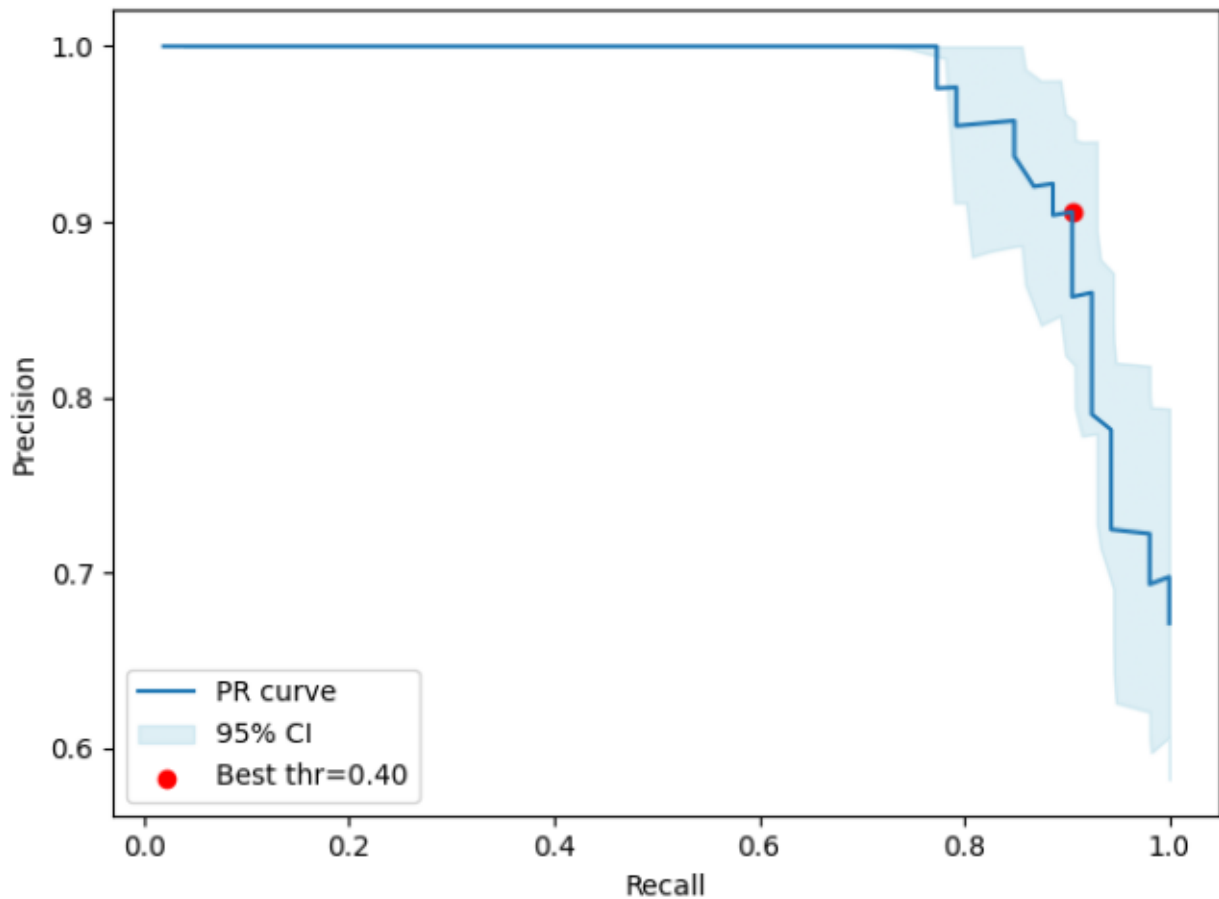
Eda G3 By School Box
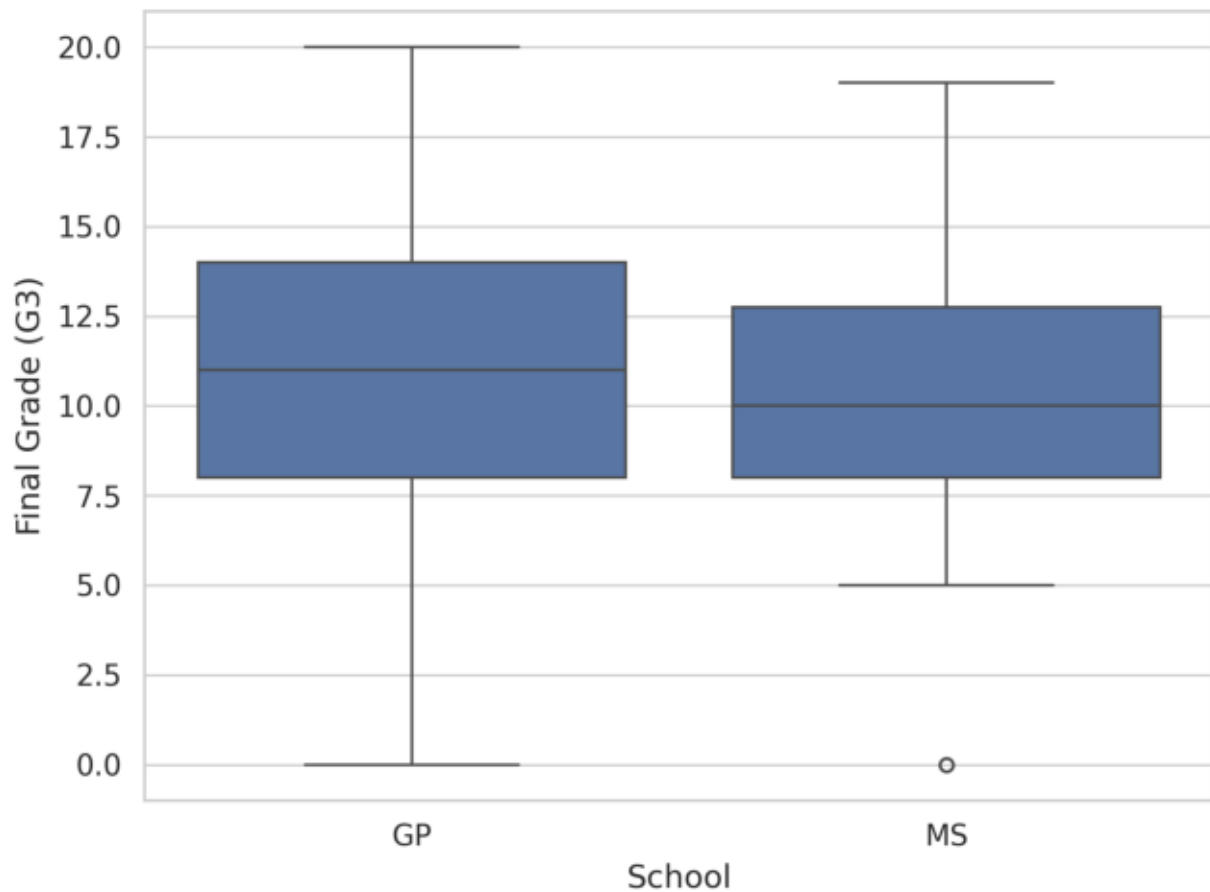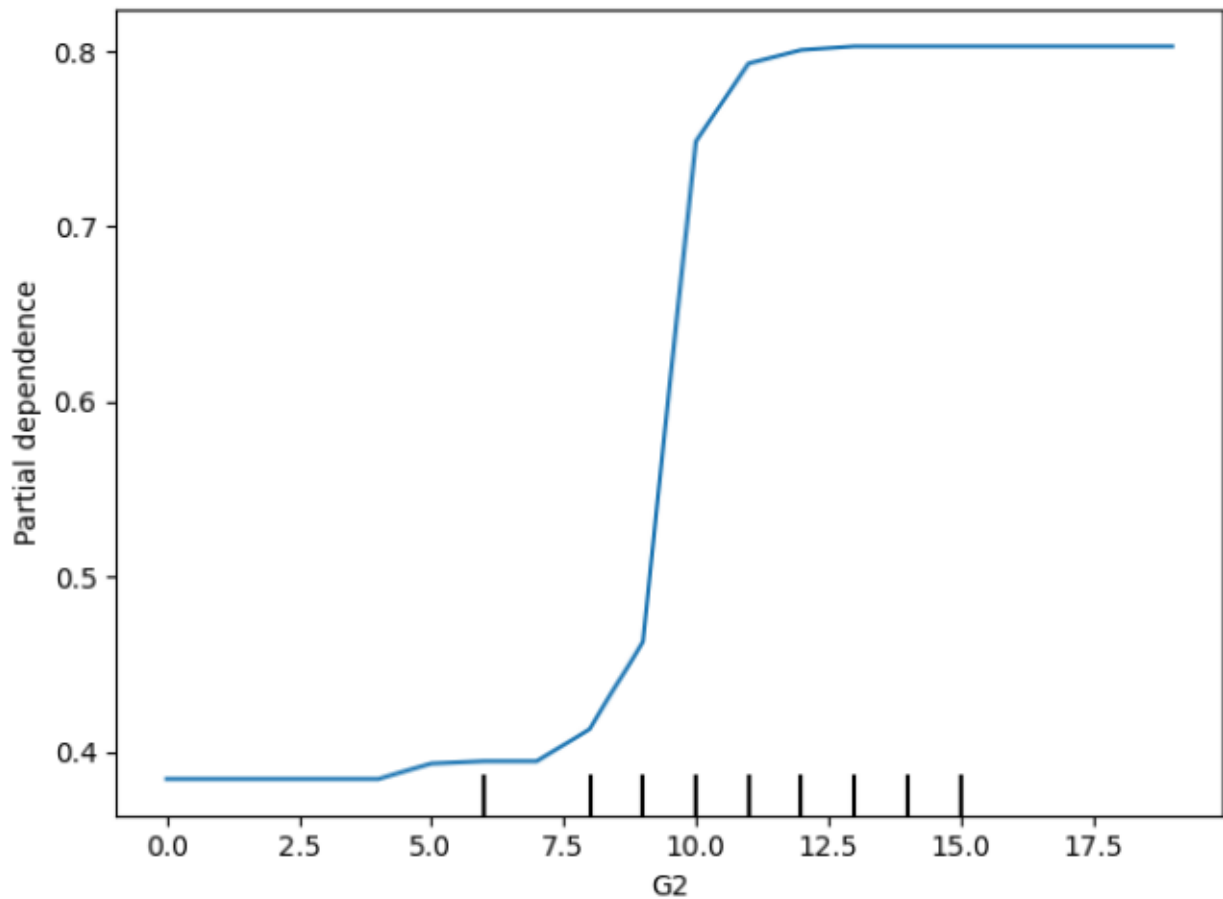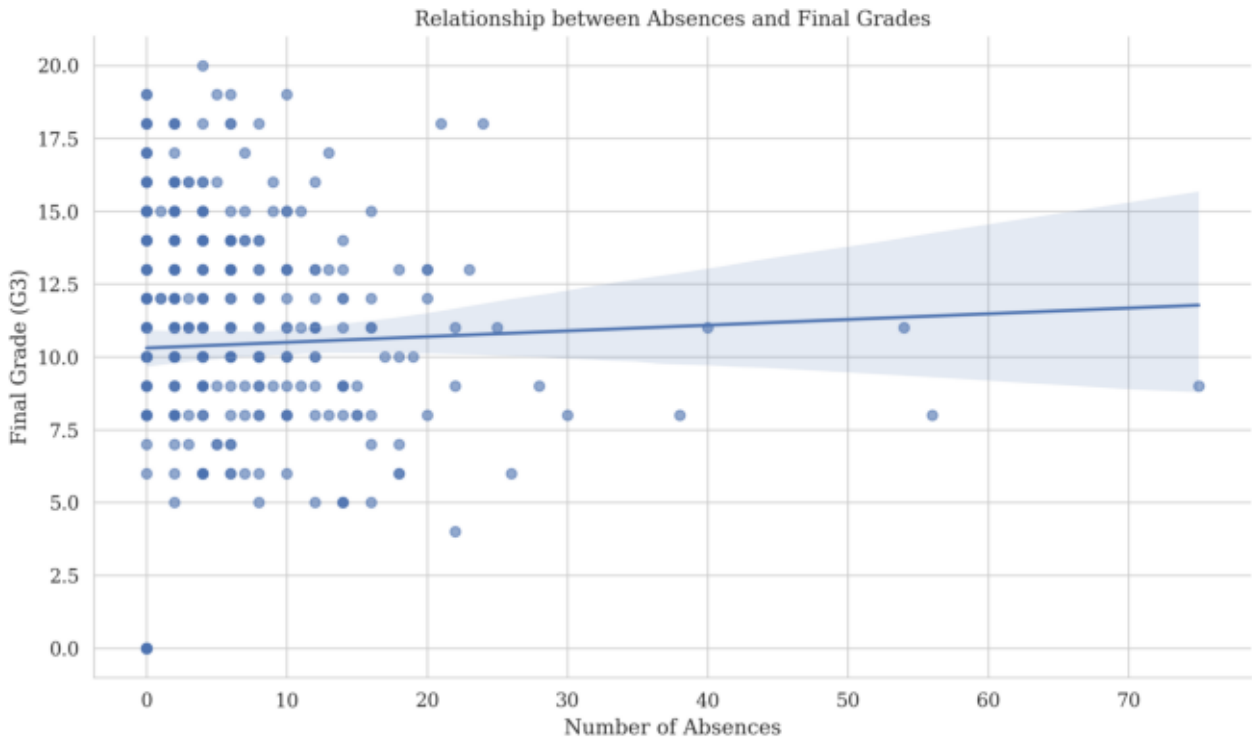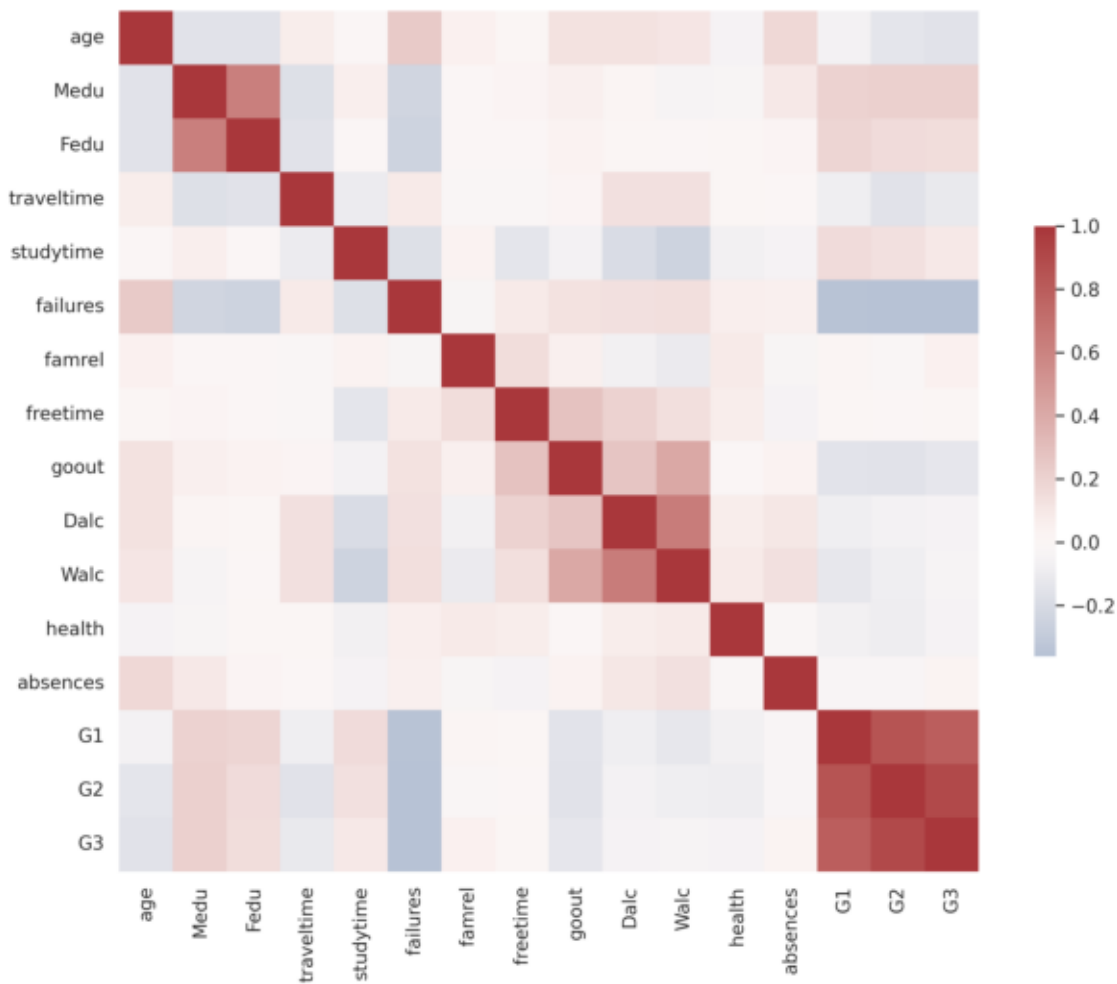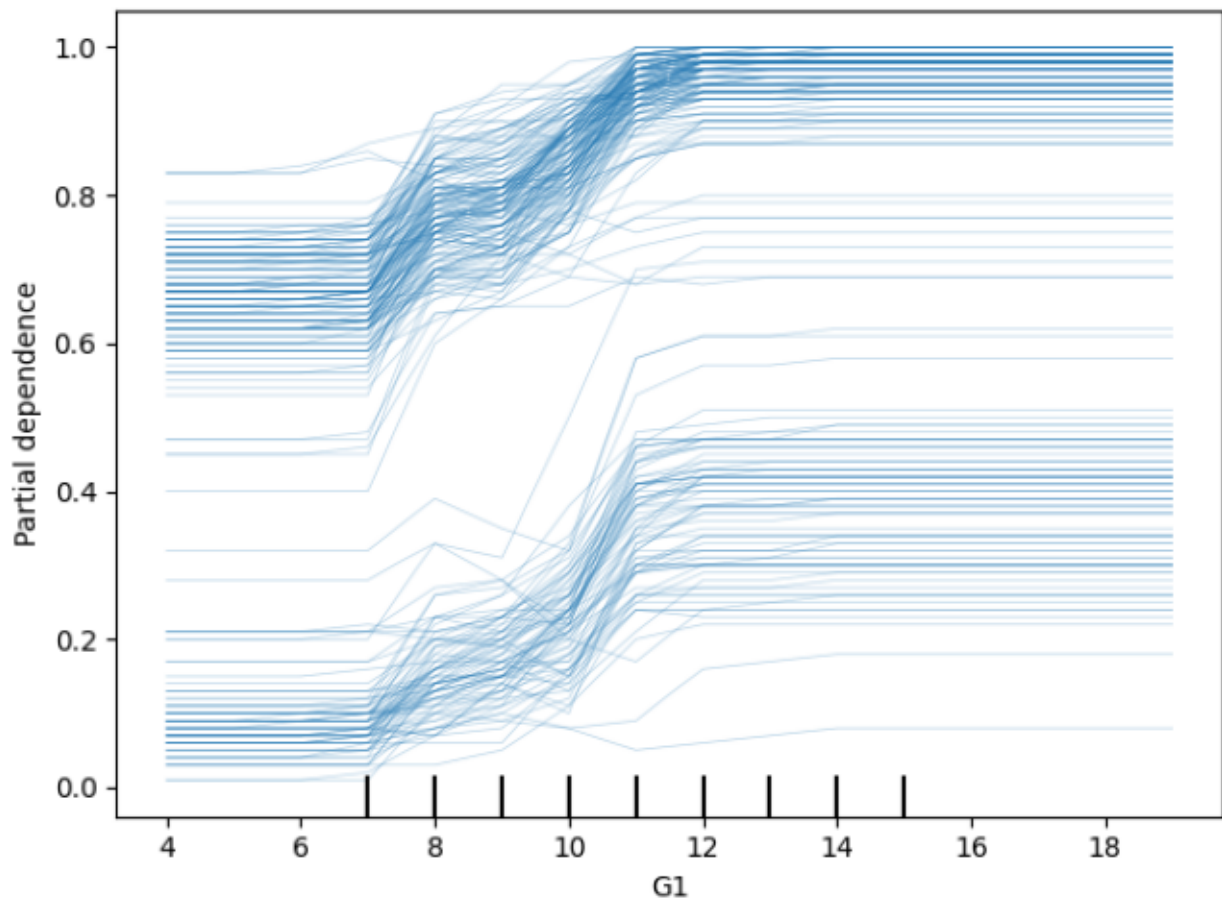
Eda Hist G1

Eda Hist G3

Model Performance

Pr Curve

Pdp G2

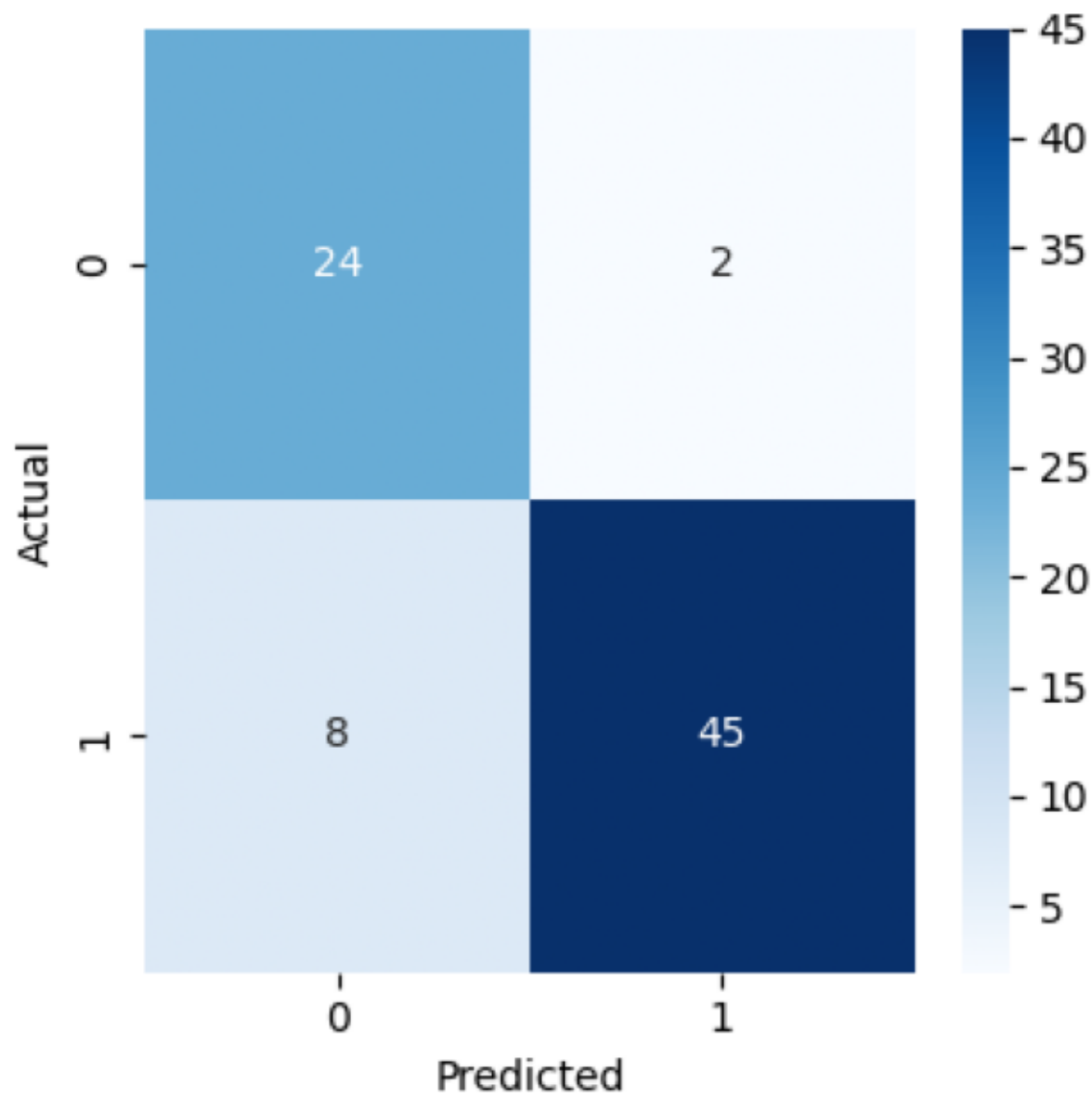# Eda Absences Vs G3 Relationship
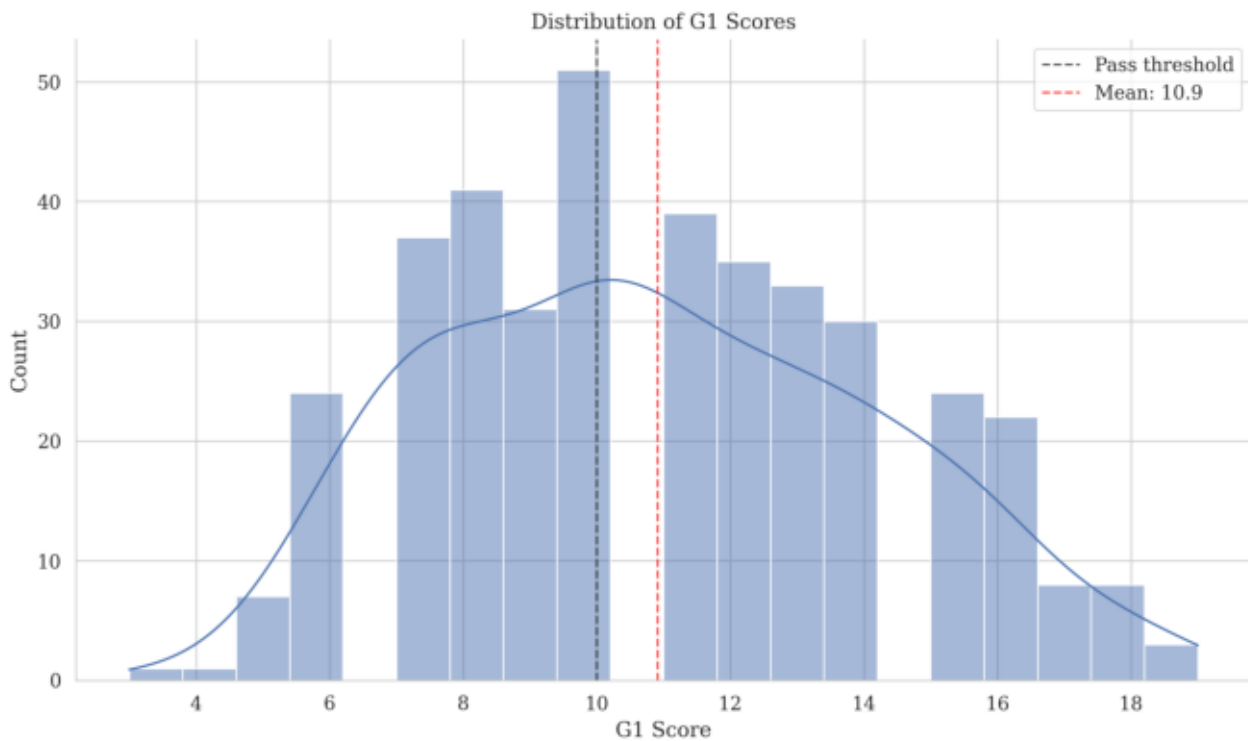

Relationship between Absences and Final Grades

Correlation Heatmap

Ice G1

Confusion Matrix

Eda Grade Distribution G1

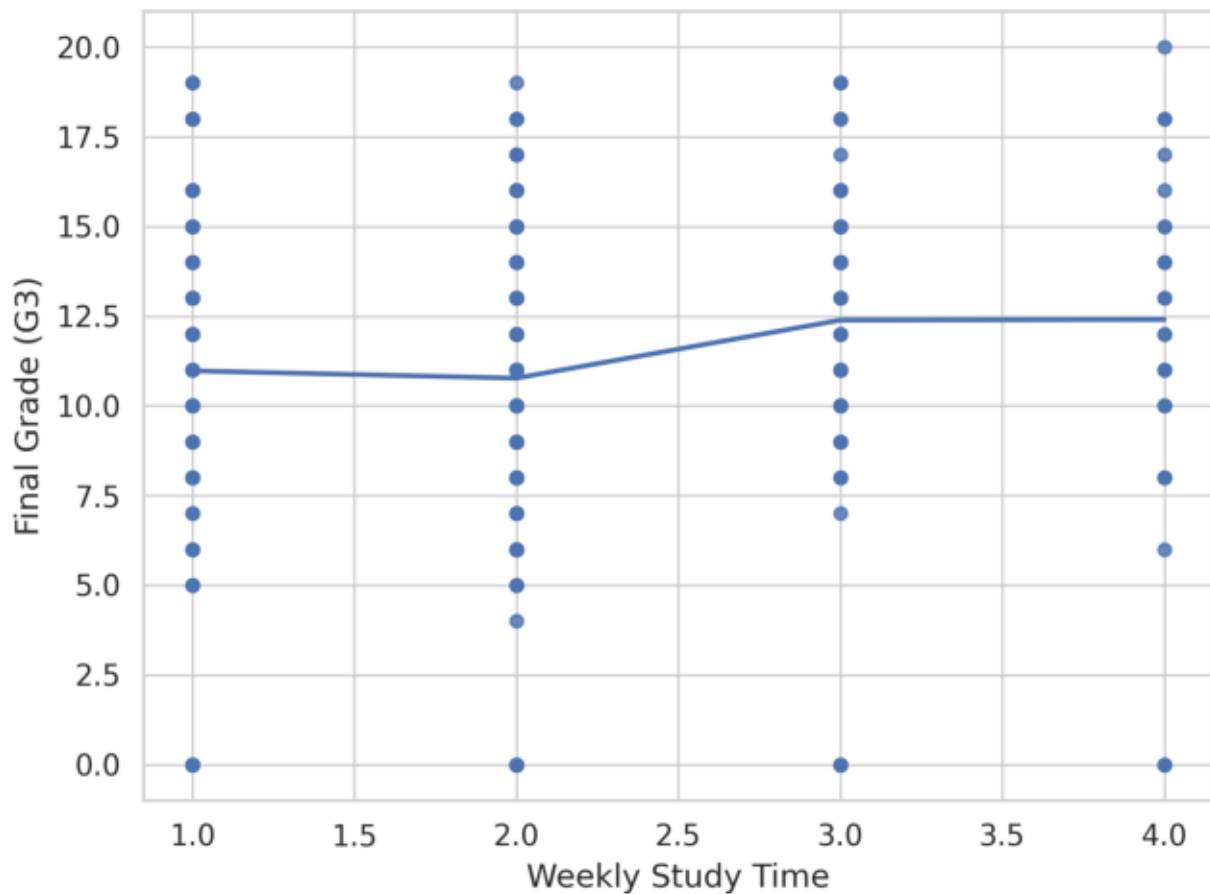Distribution of G1 Scores

Eda Grade By Sex Analysis

Grade Distribution by Sex | Pass/Fail Count by Sex
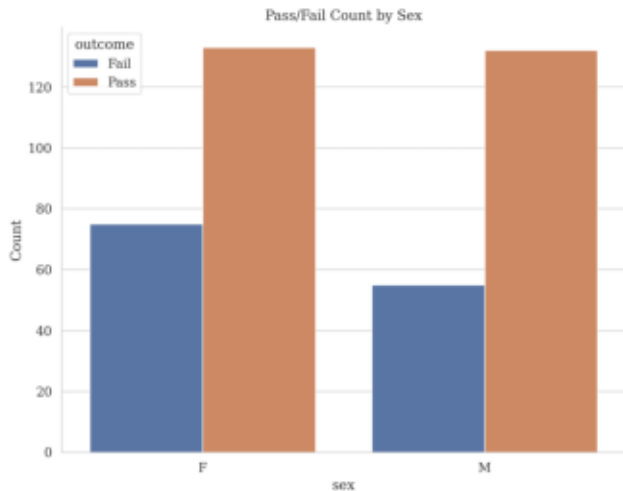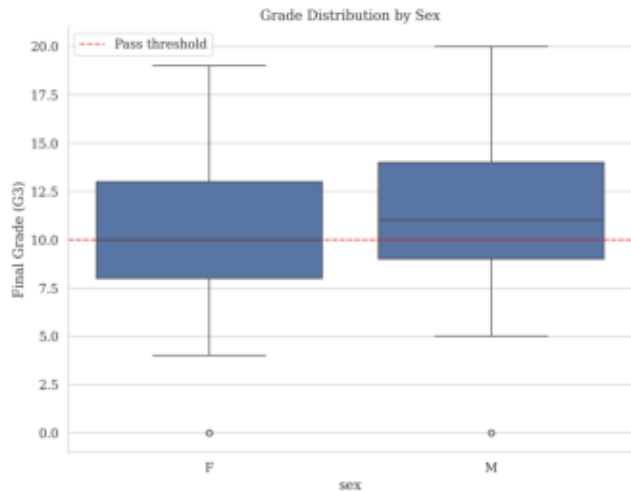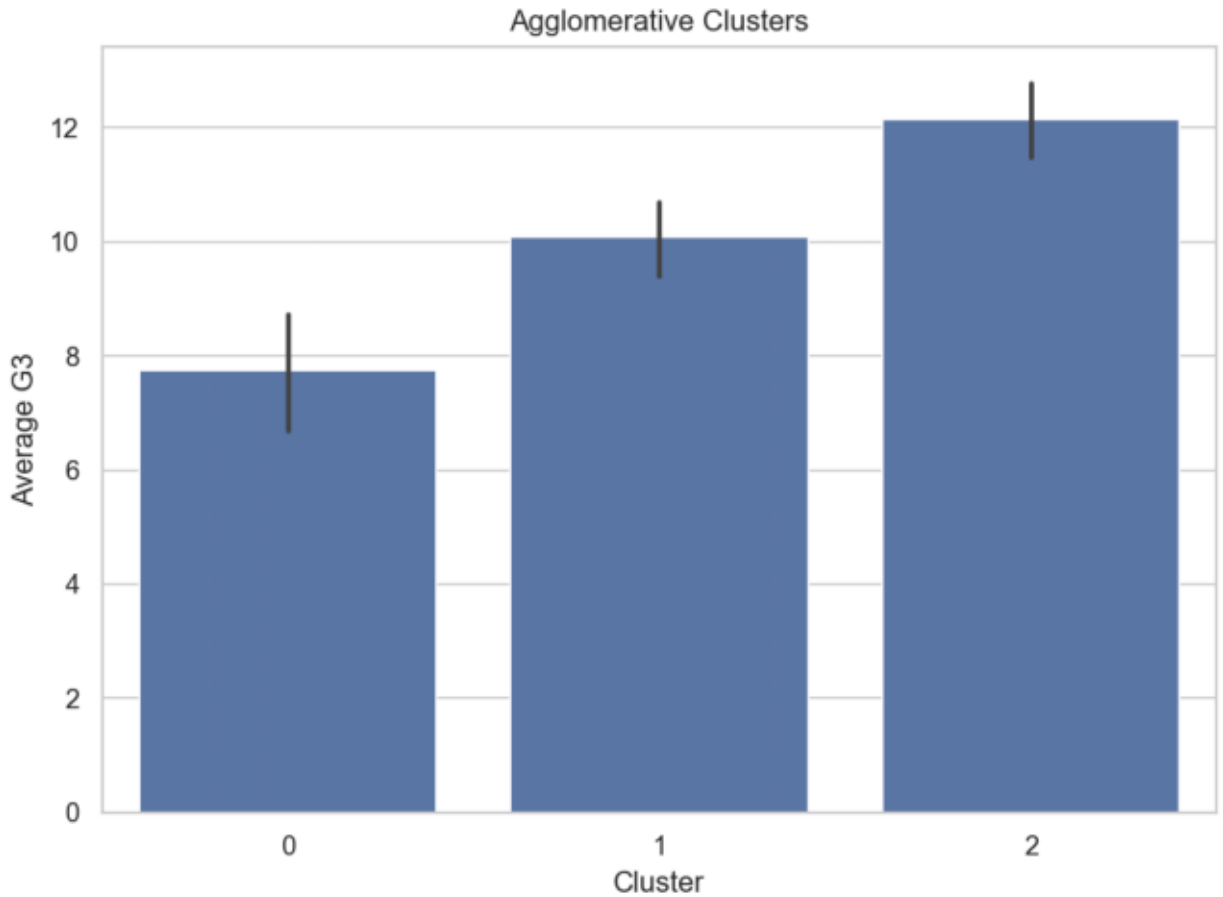
Roc Curve Sex F
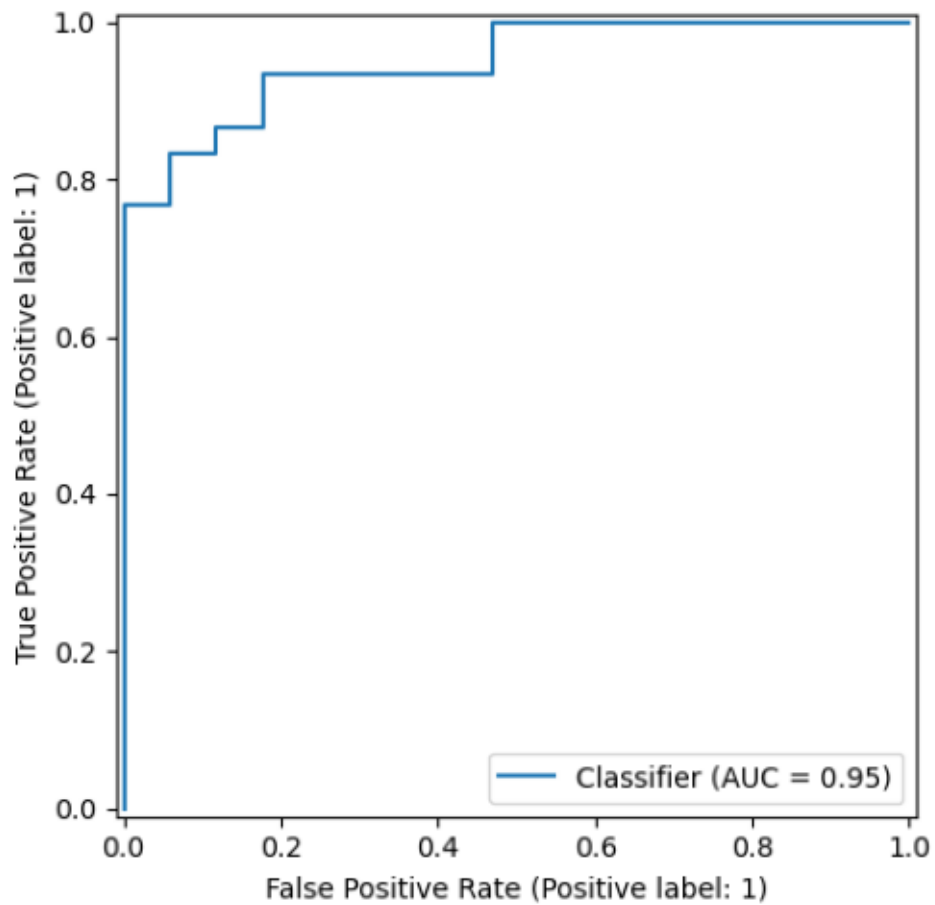
Eda Studytime Vs G3

Segmentation Agglomerative

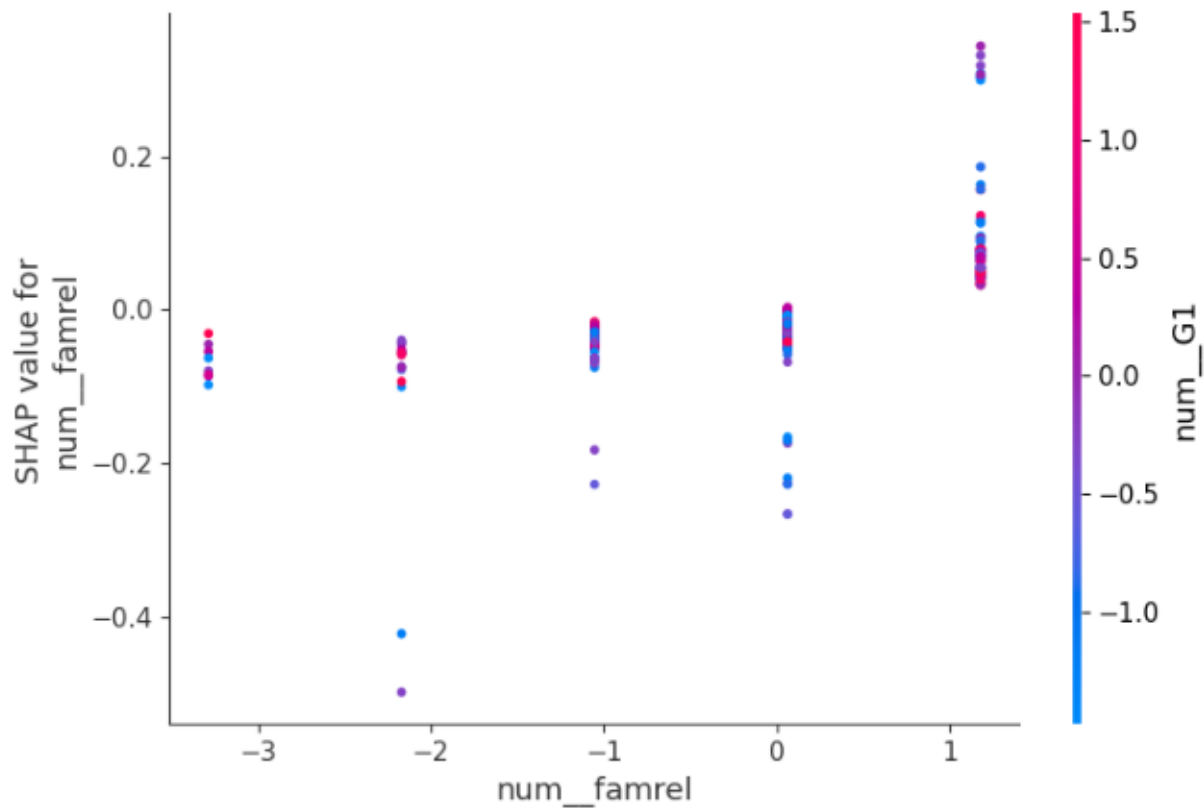Agglomerative Clusters

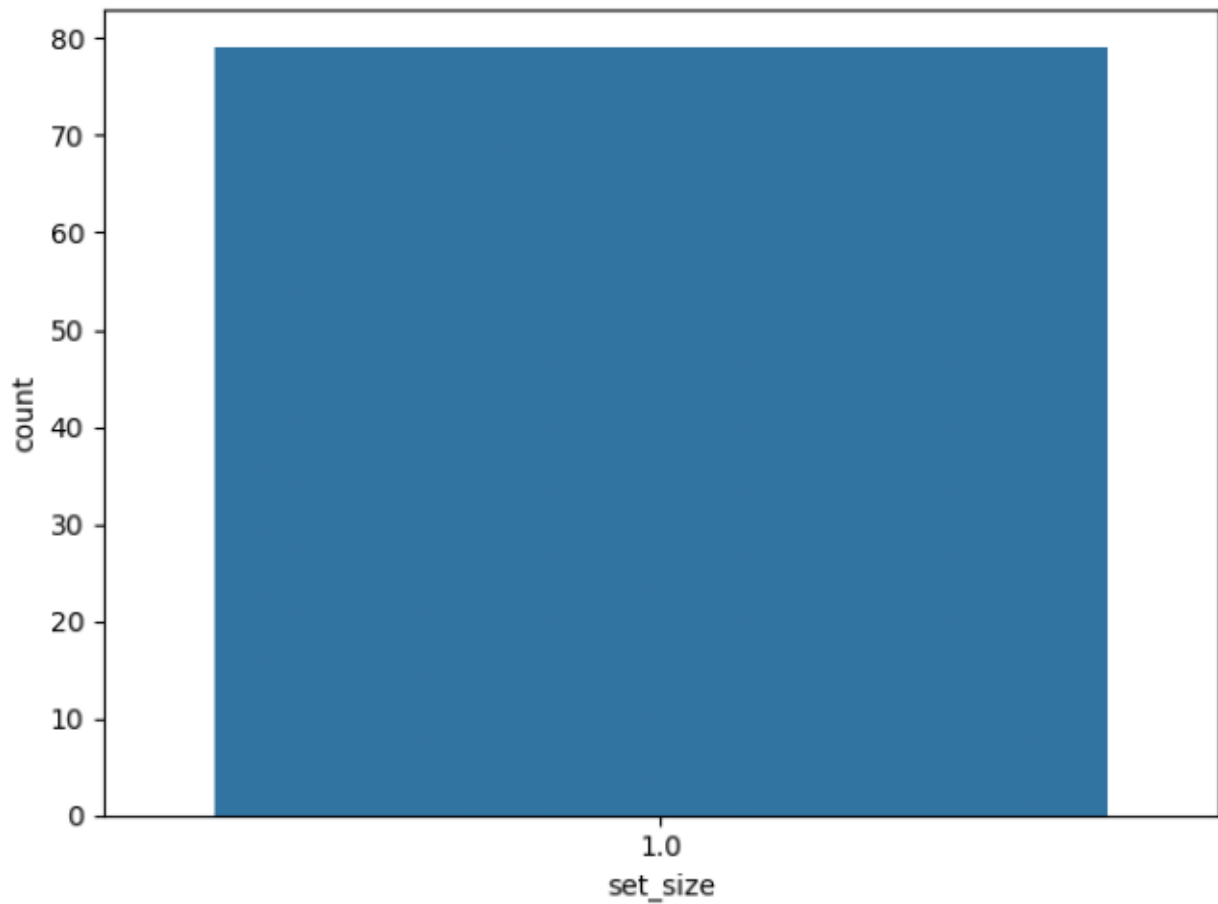# Example Experiment Calibration

Calibration Curve - example_experiment
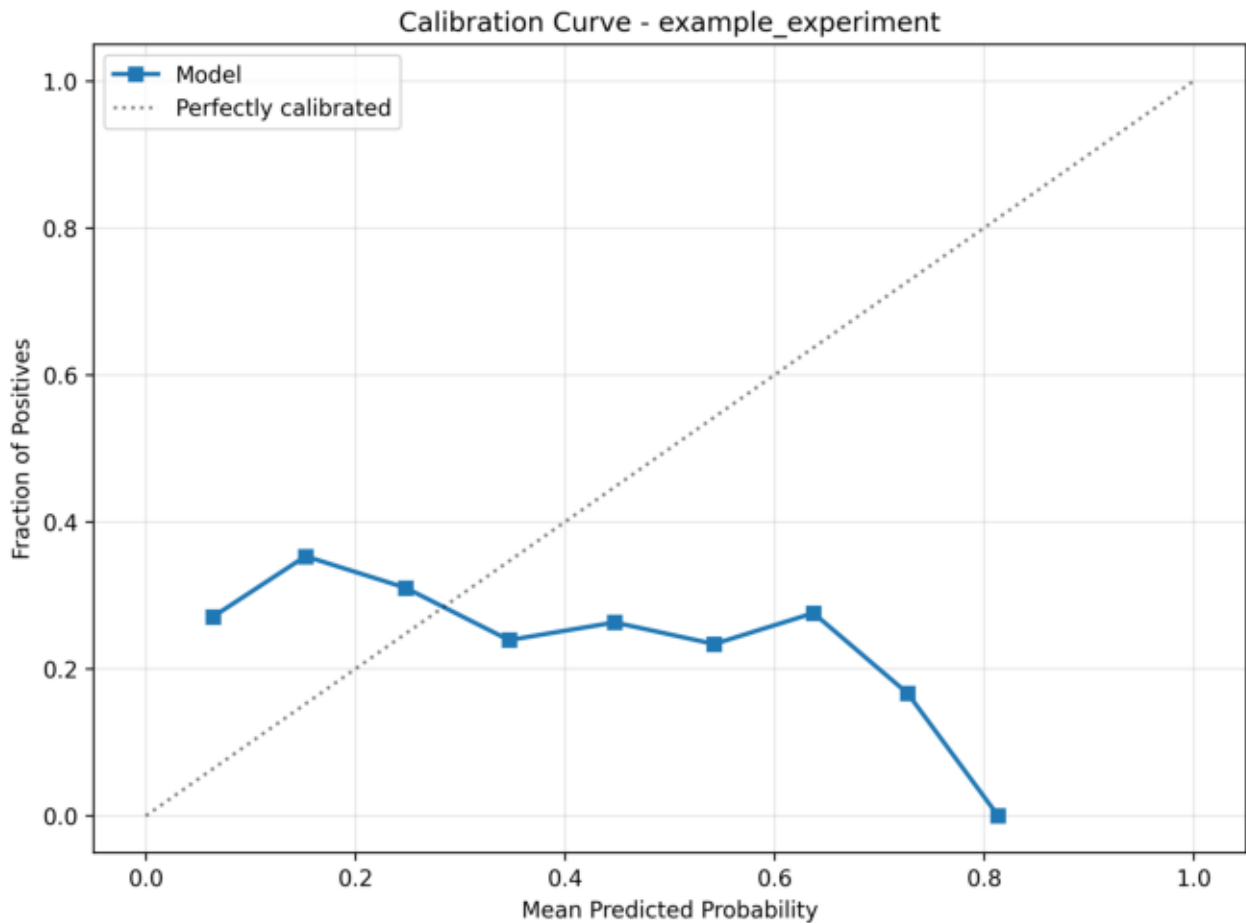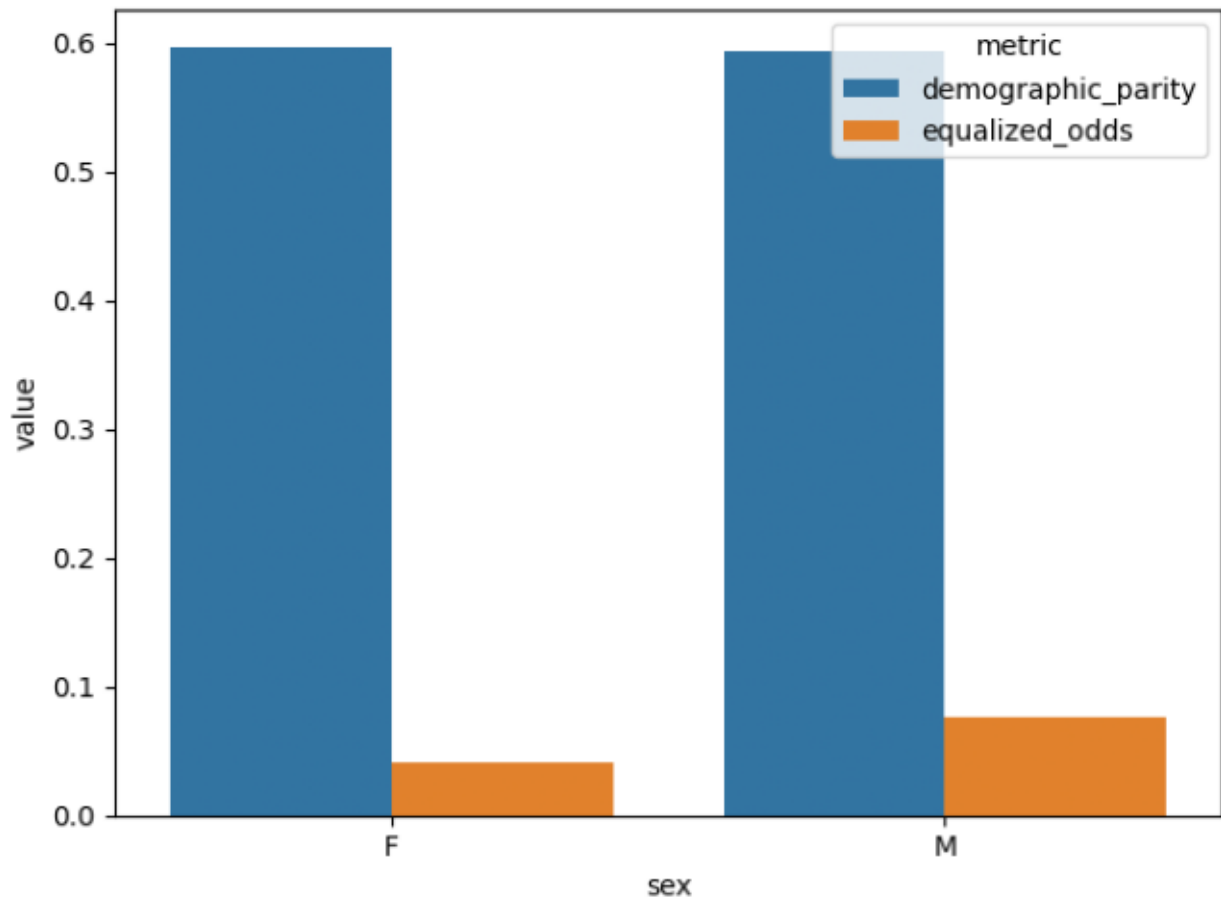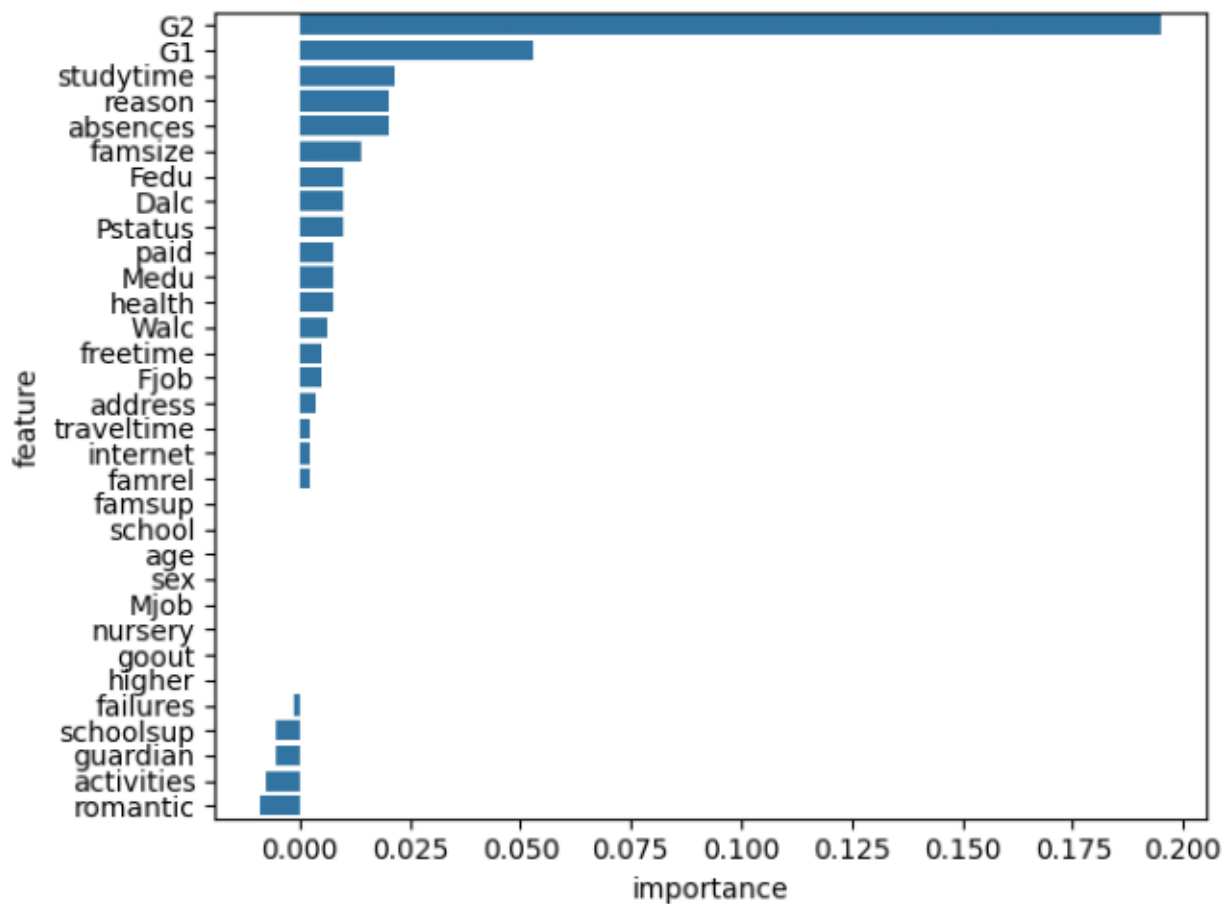
Concept Importance
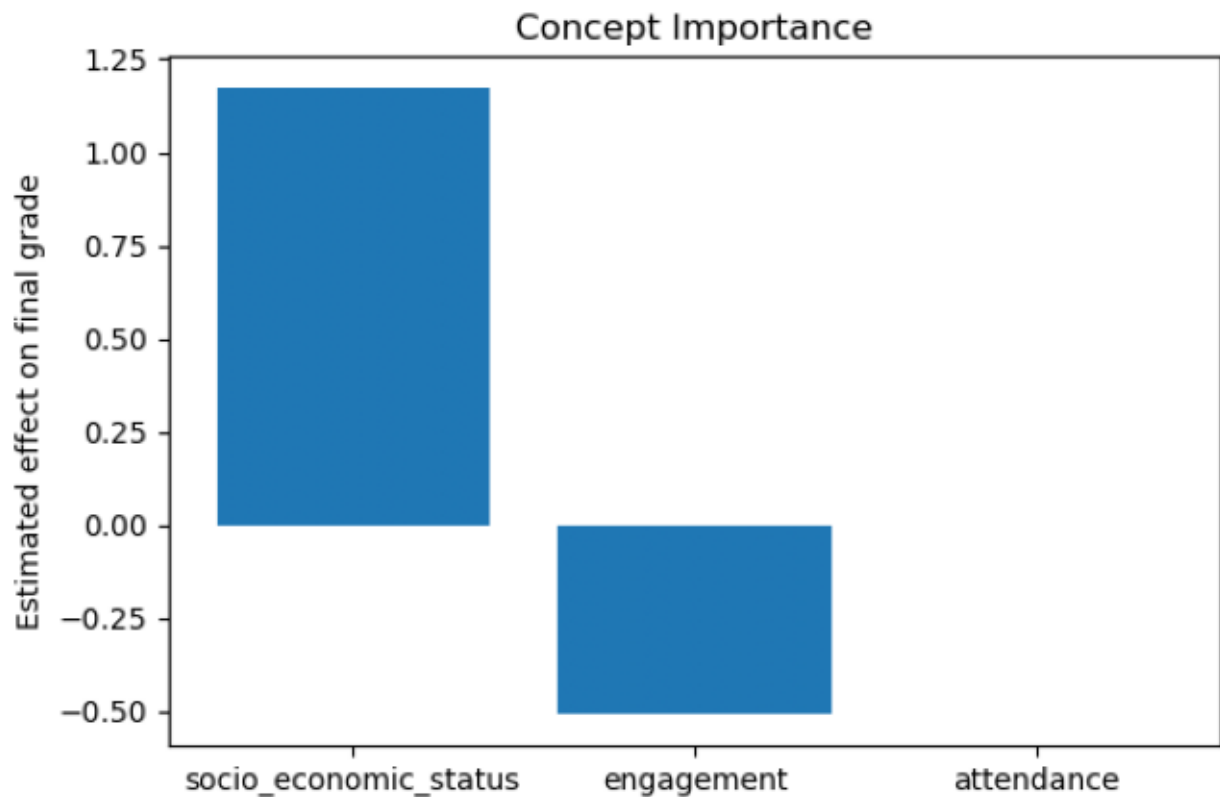
Shap Dependence Num Famrel

Conformal Set Size Dist Alpha 0.1
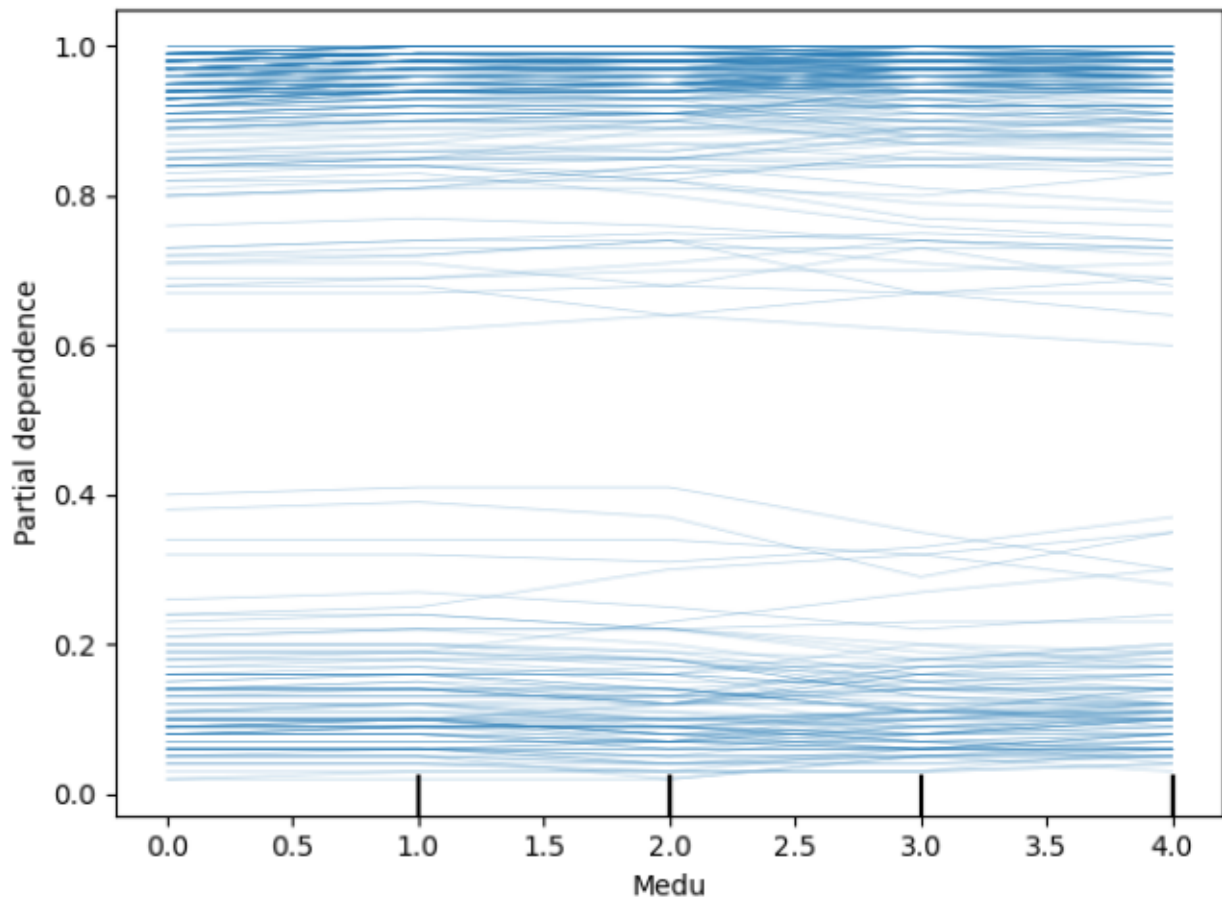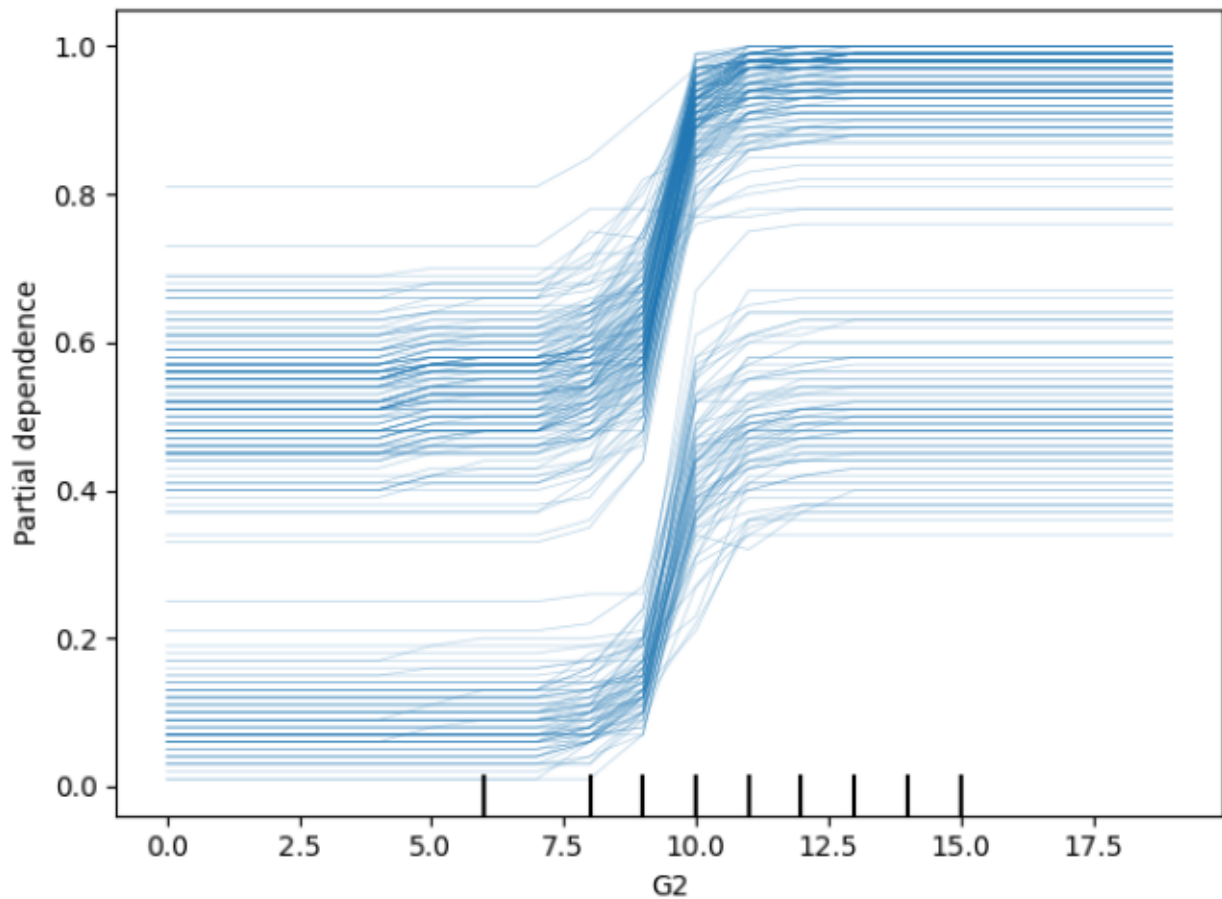
Fairness Sex Pre
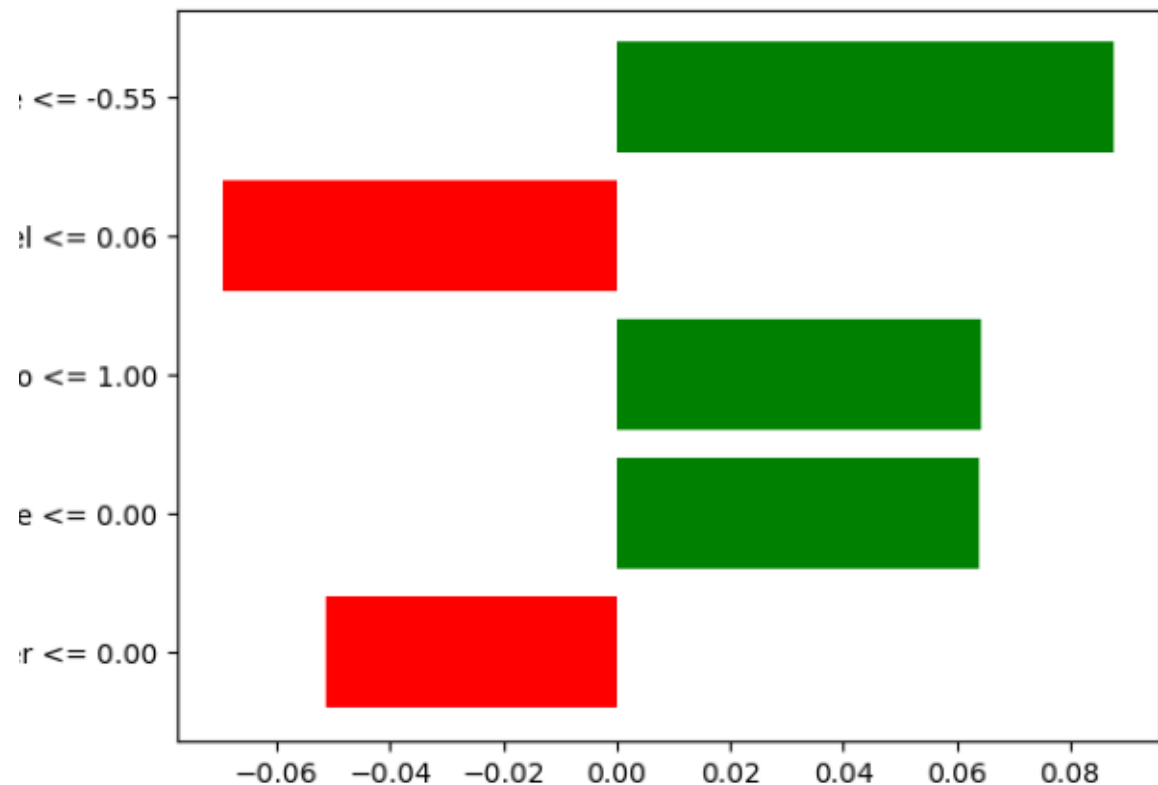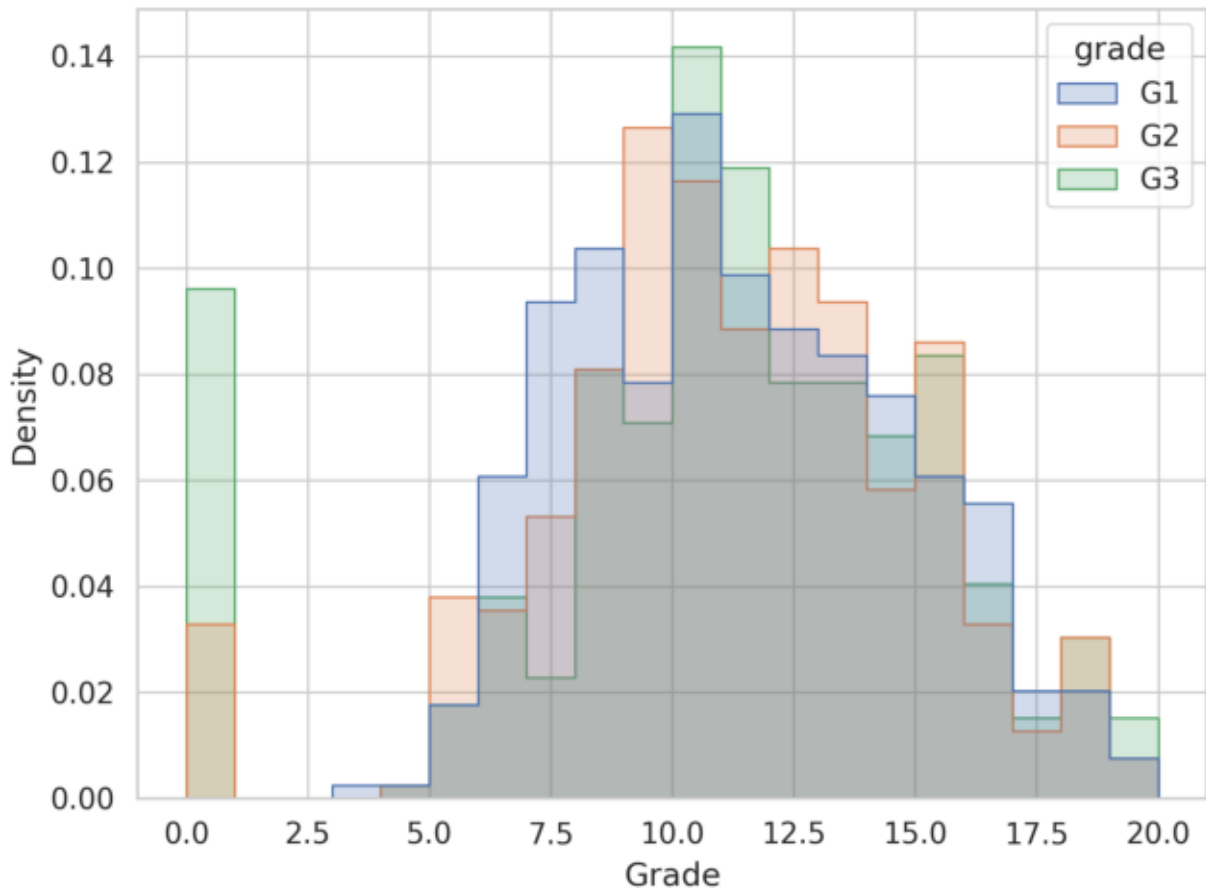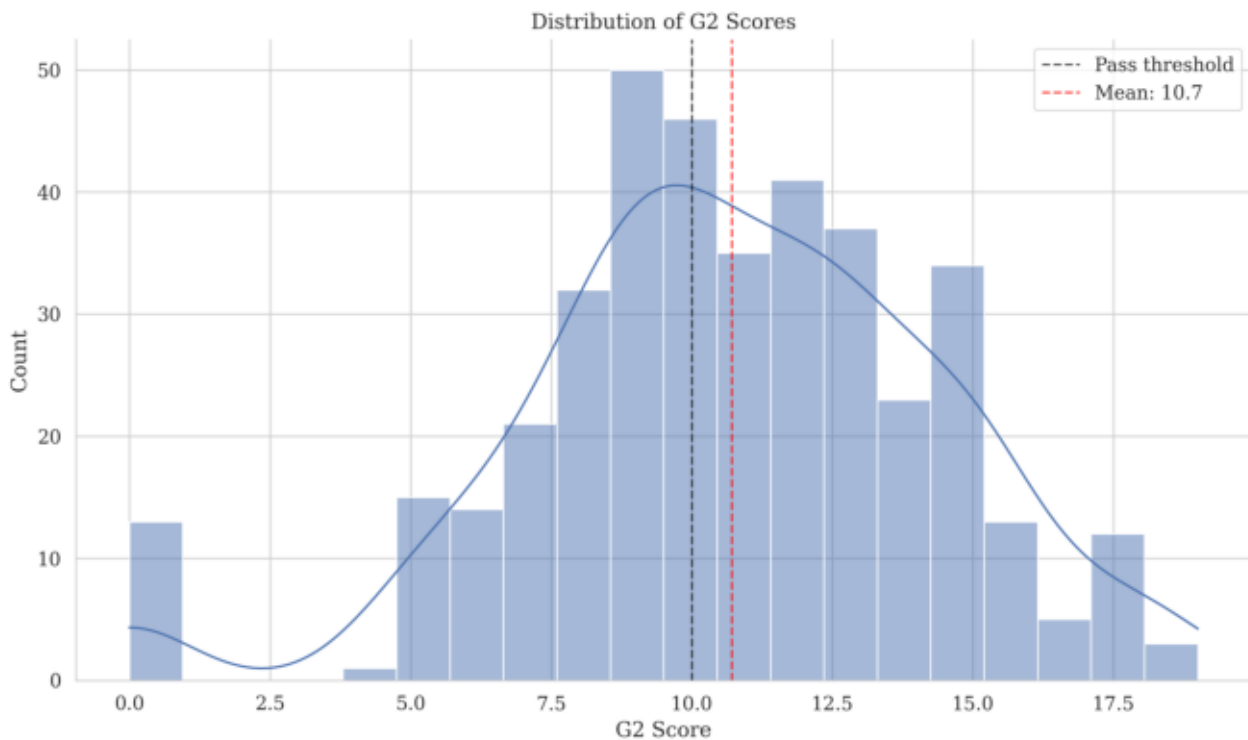
Feature Importance

Ice Medu

Ice G2

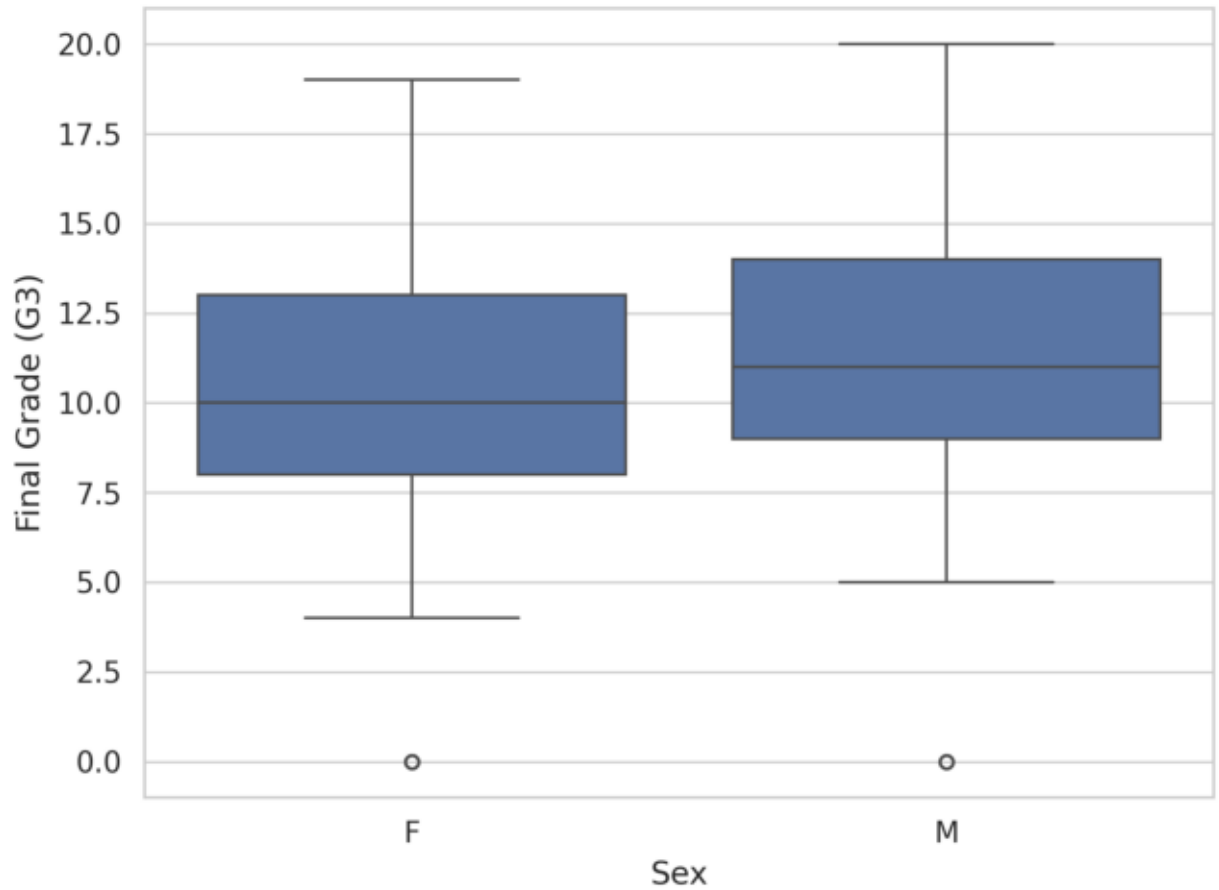Early Lime G1 10
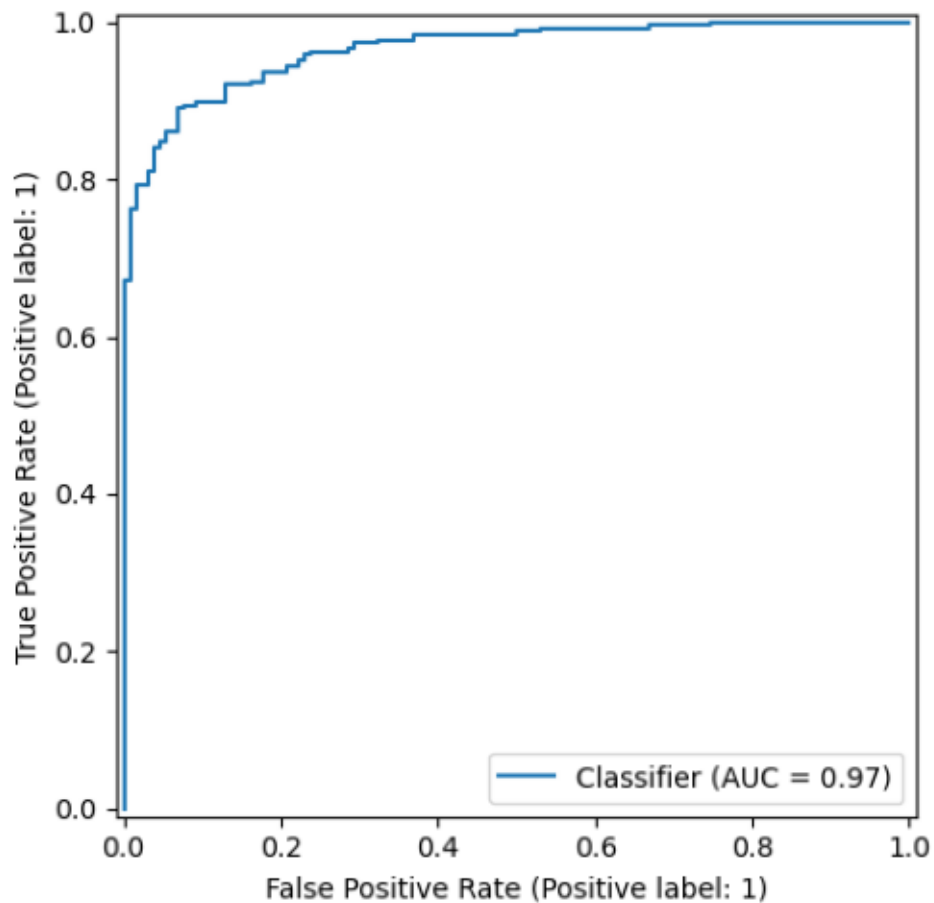
Local explanation for class positive

Grades Distribution

Eda Grade Distribution G2
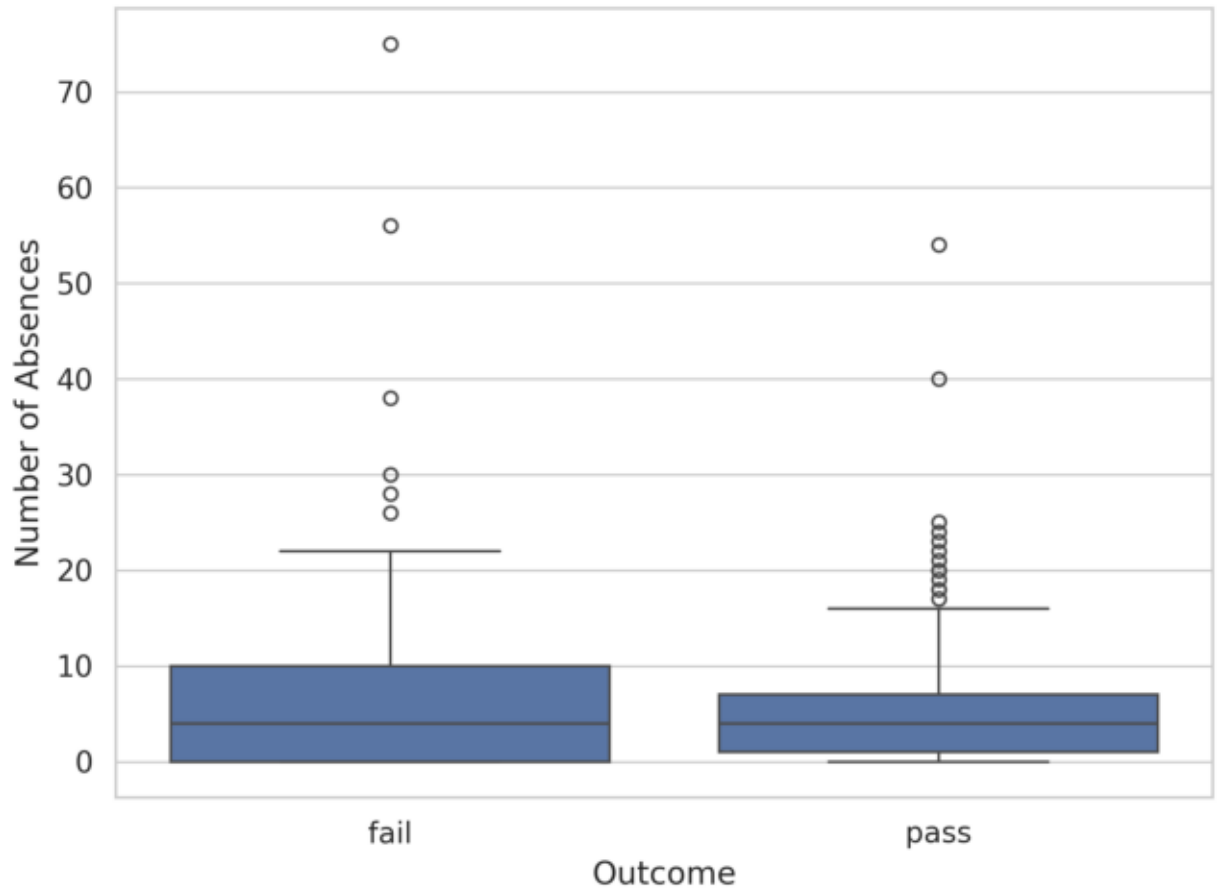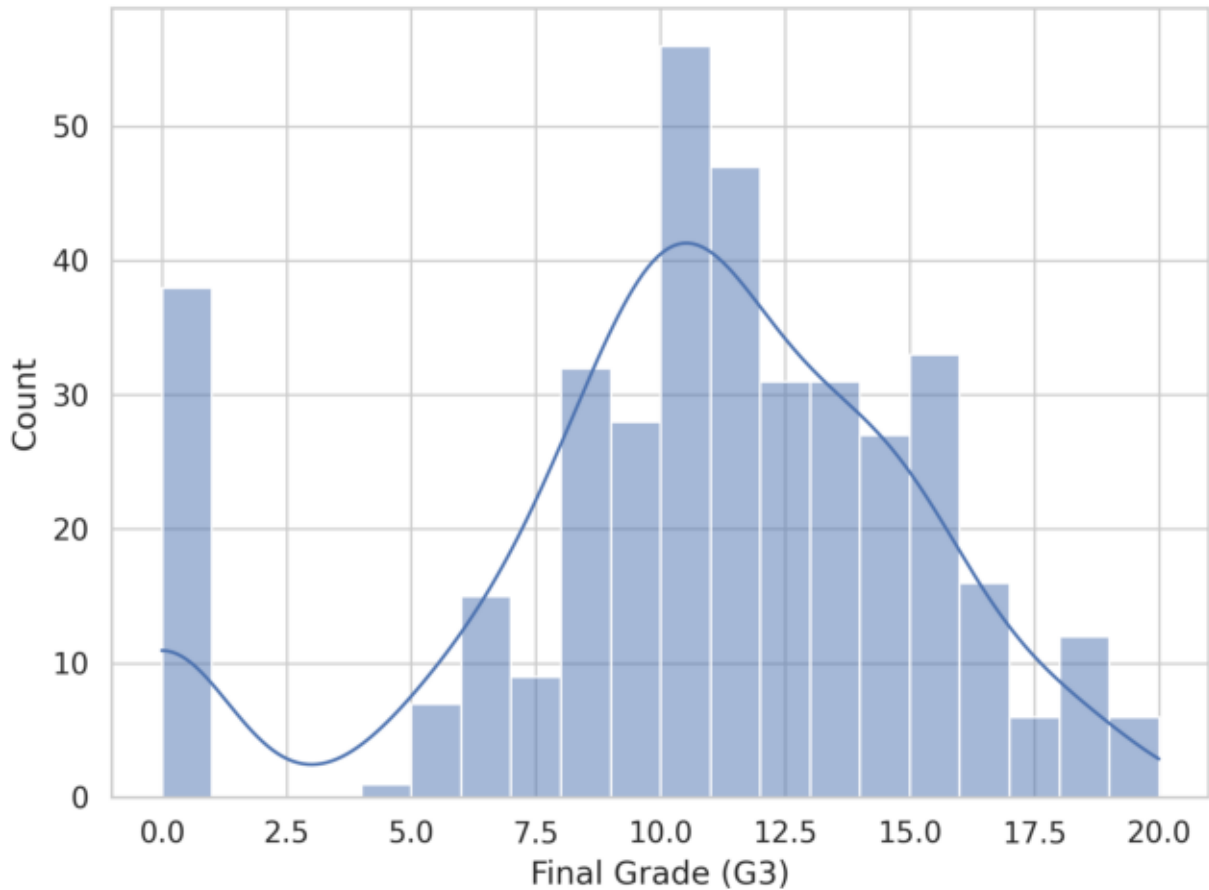

Distribution of G2 Scores

G3 By Sex

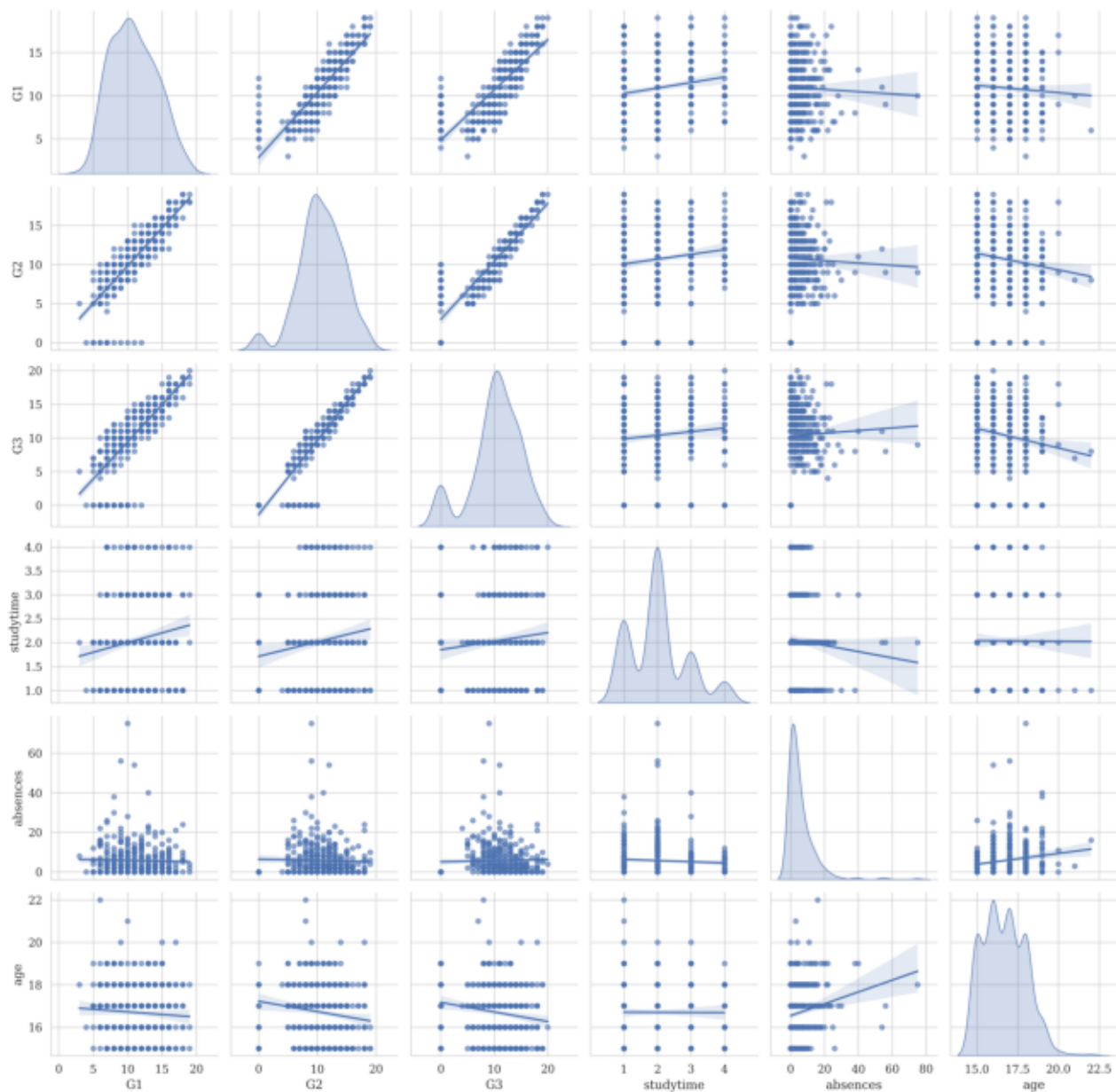Early Roc G1

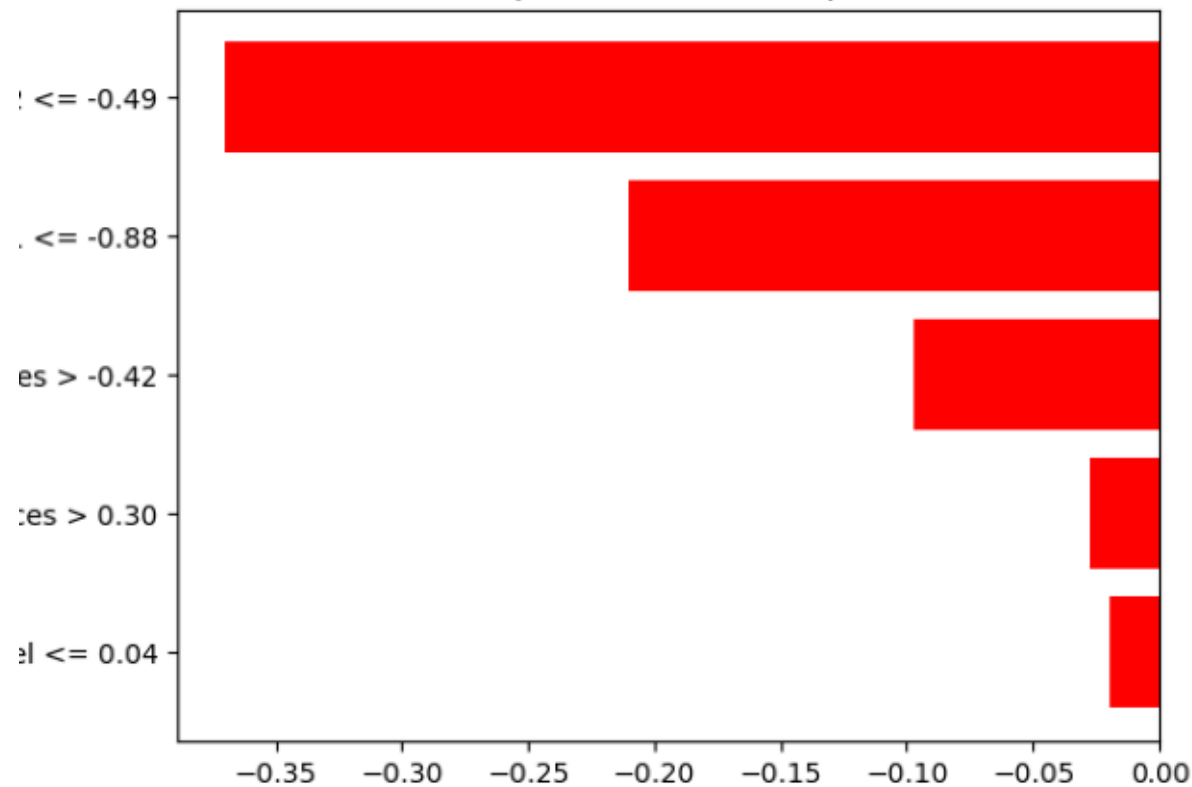Eda Absences By Outcome

G3 Distribution

Eda Numeric Pairplot
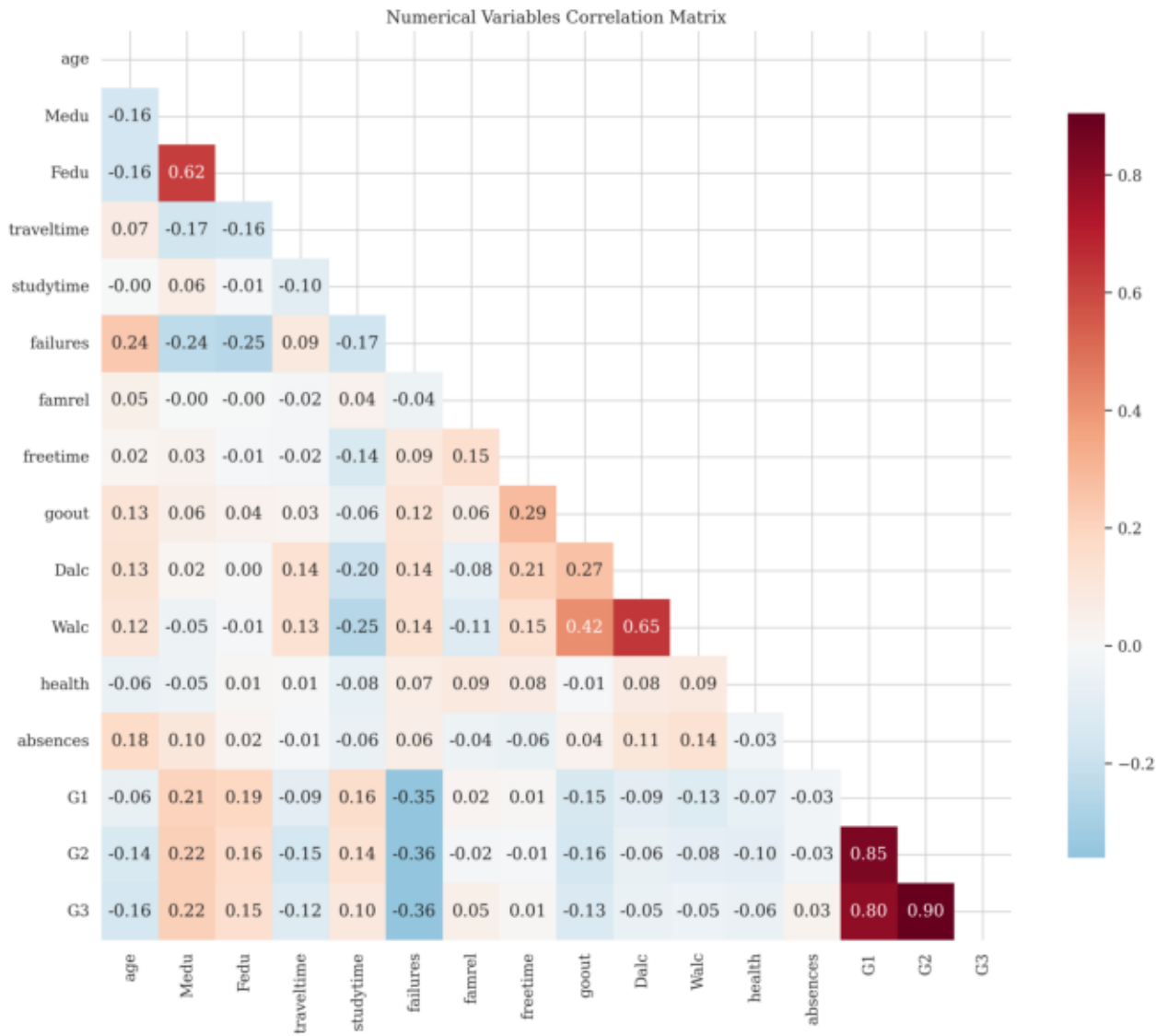
Pairwise Relationships: Key Numerical Variables

Lime 40
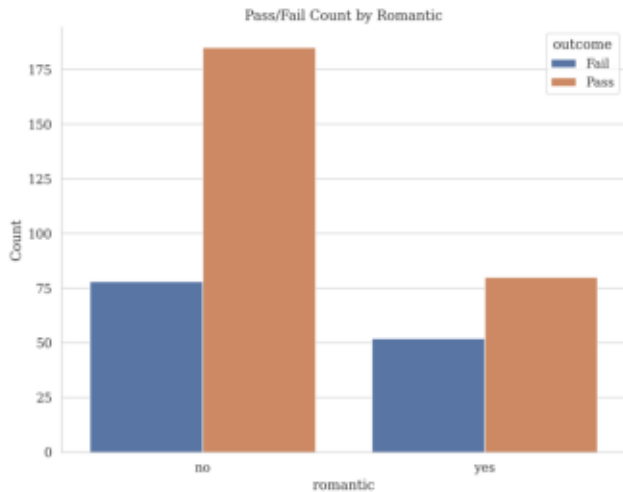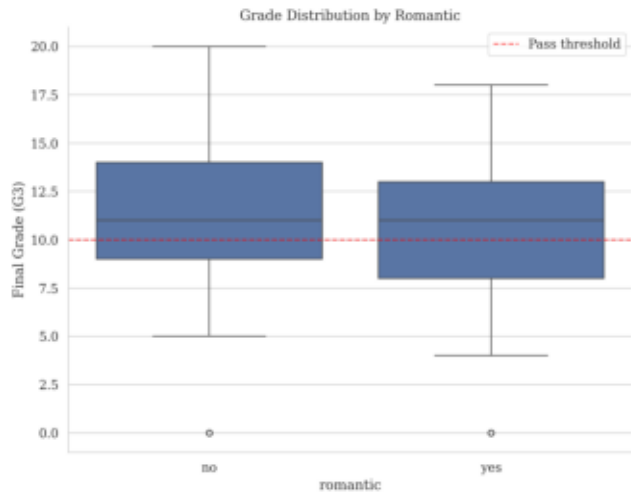
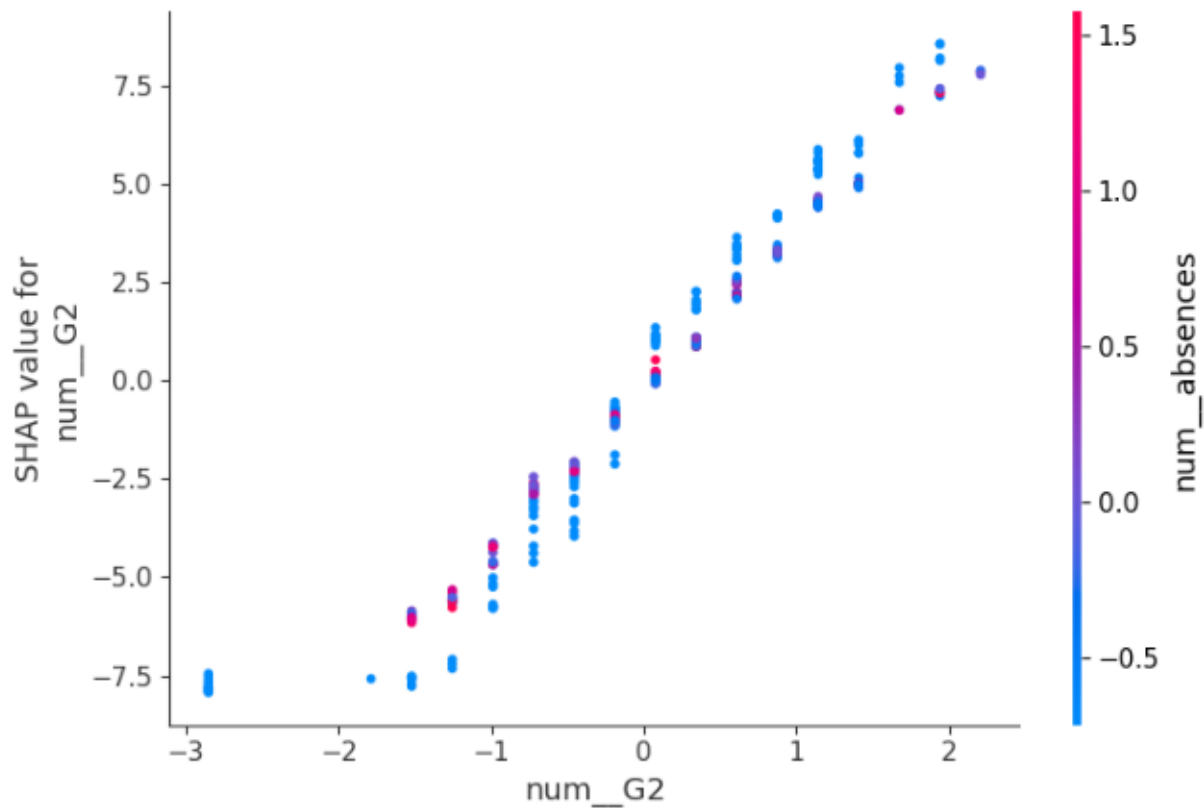Local explanation for class positive

Eda Numeric Correlation Heatmap

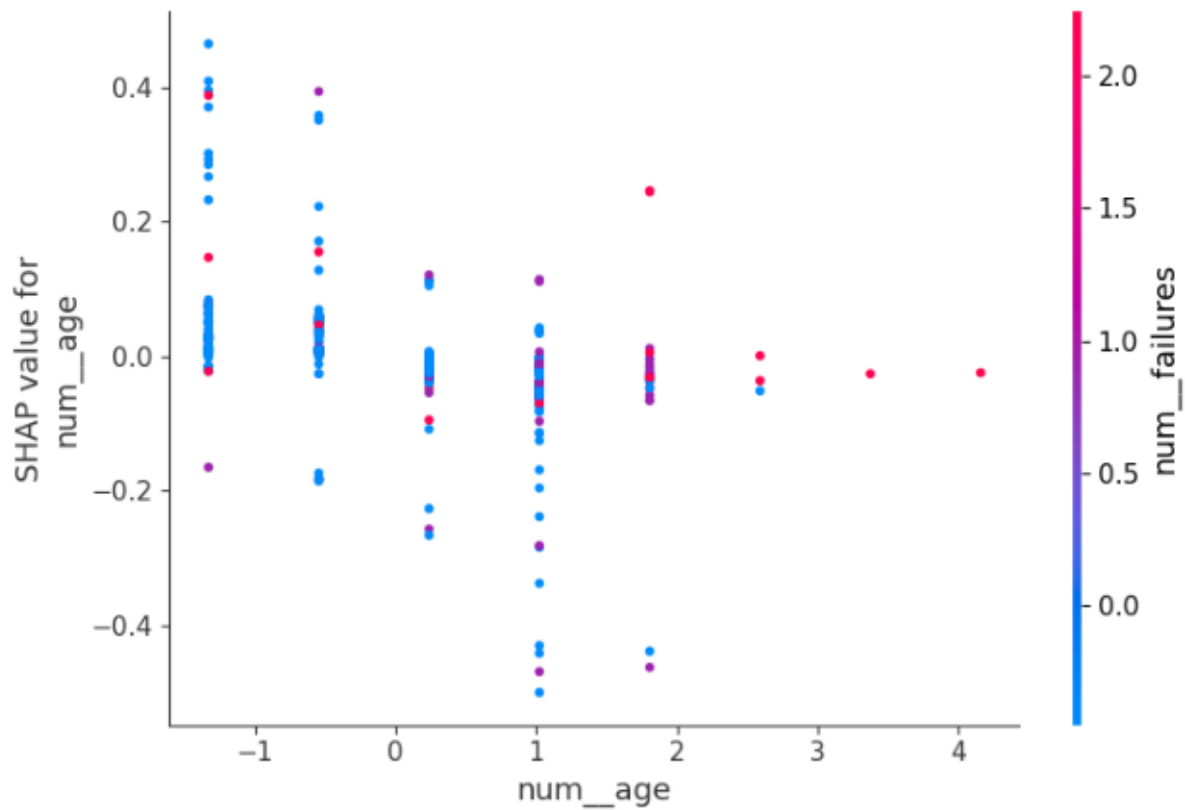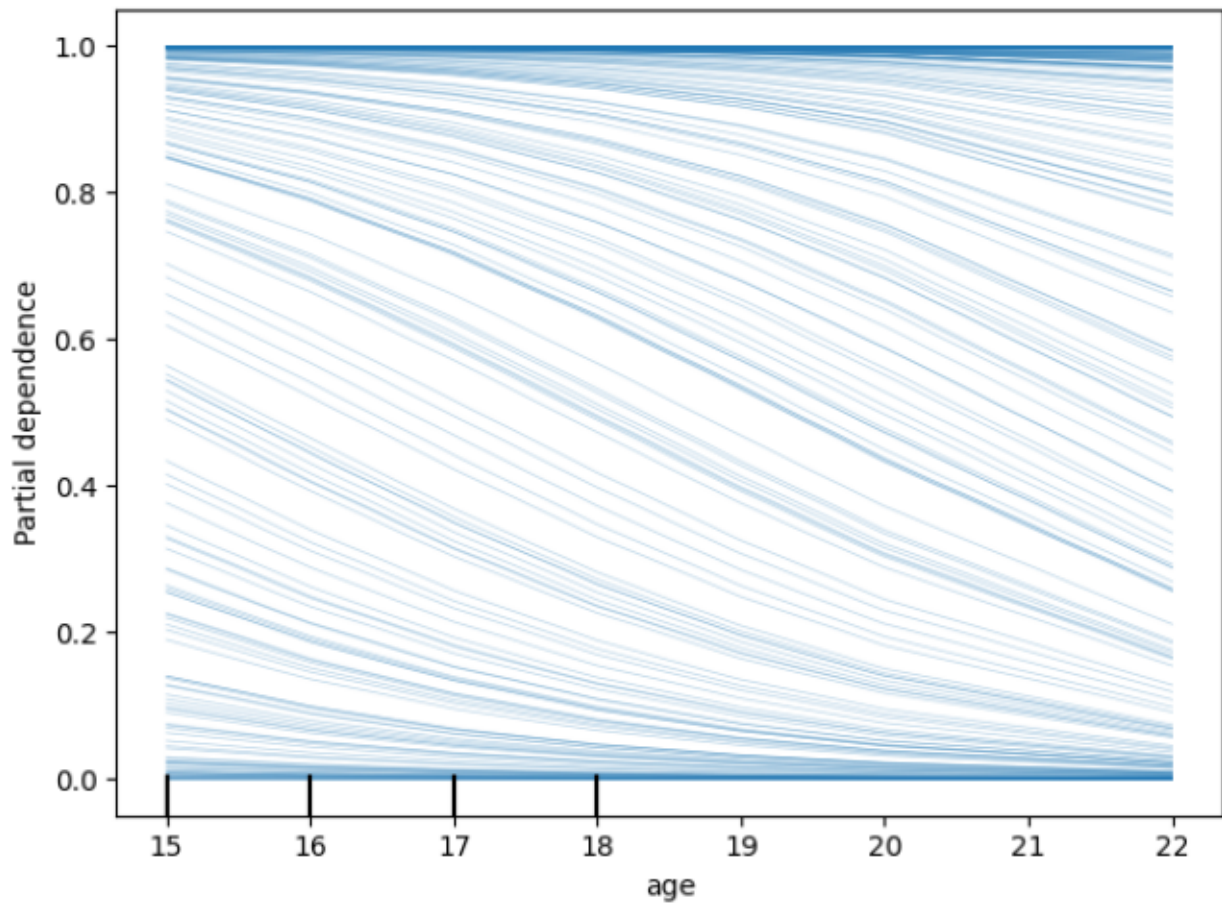Numerical Variables Correlation Matrix

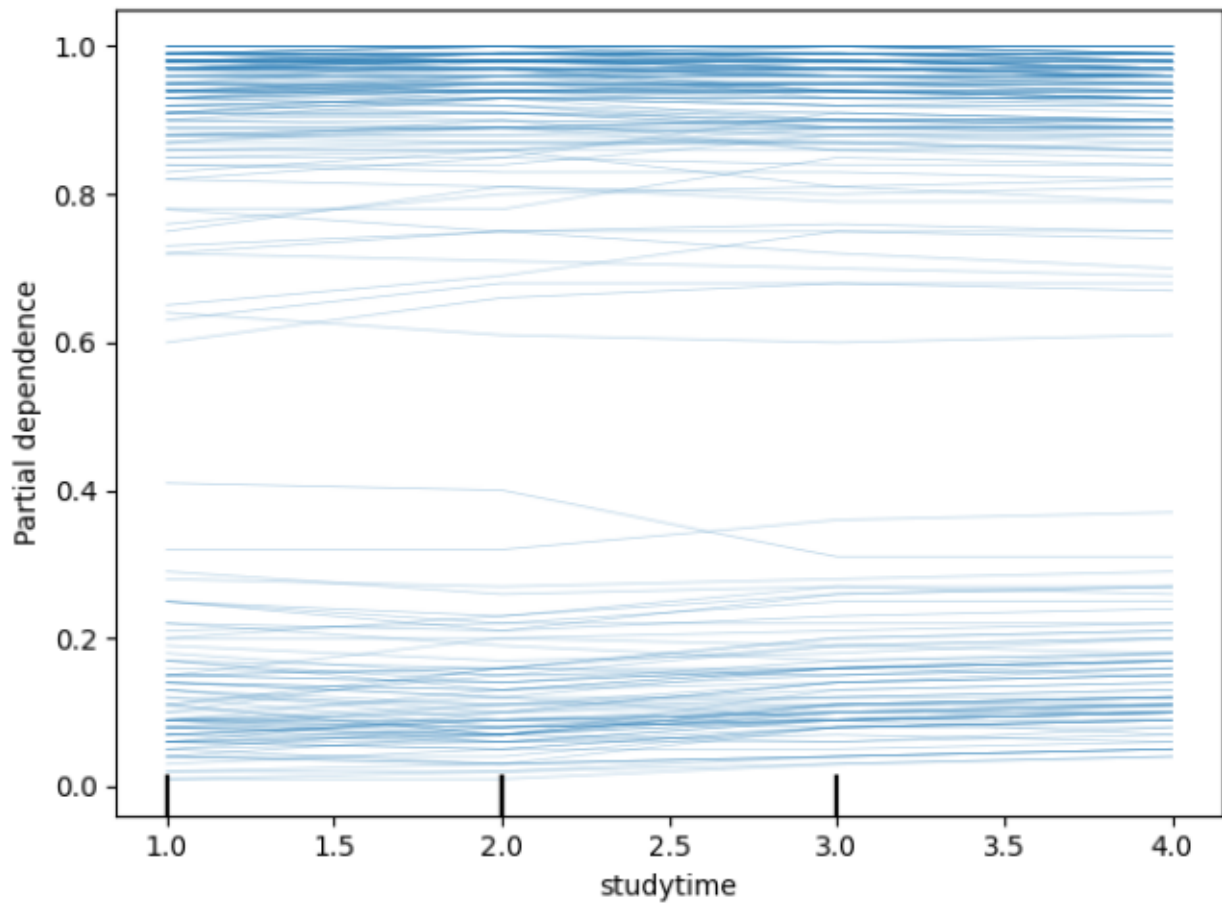# Eda Grade By Romantic Analysis

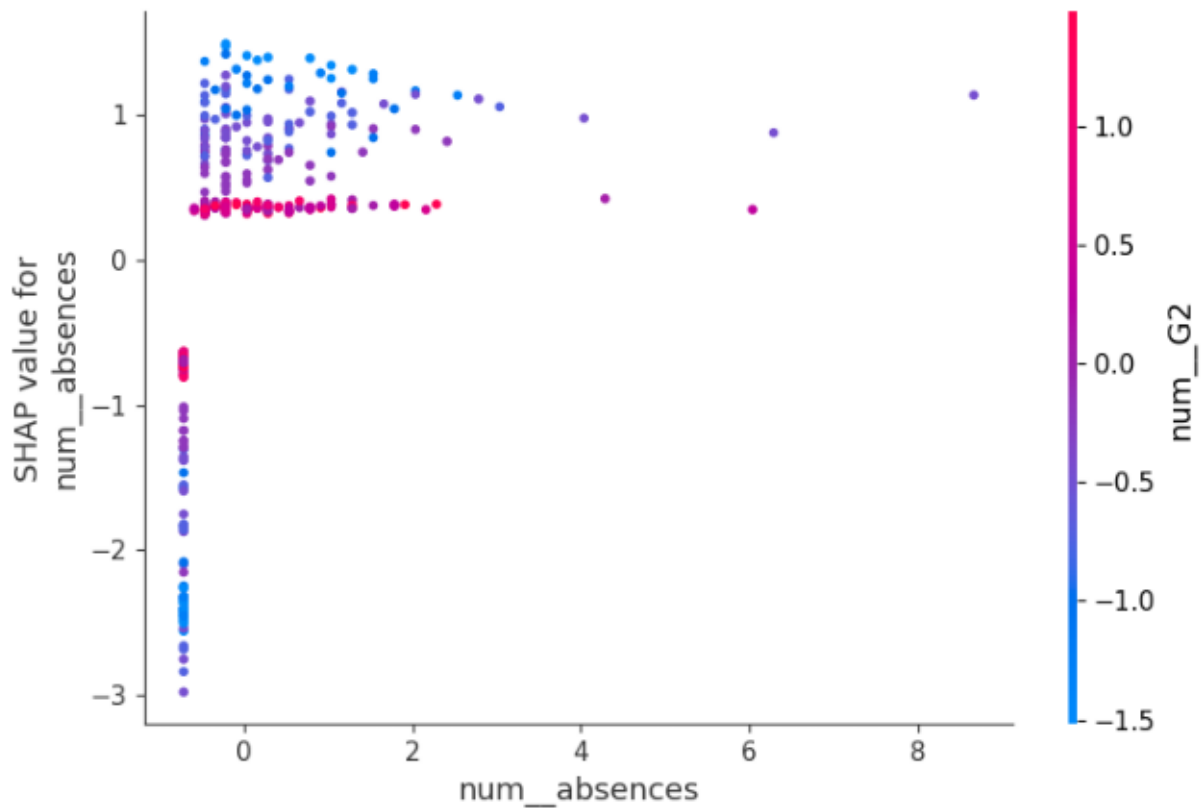Shap Dependence Num G2
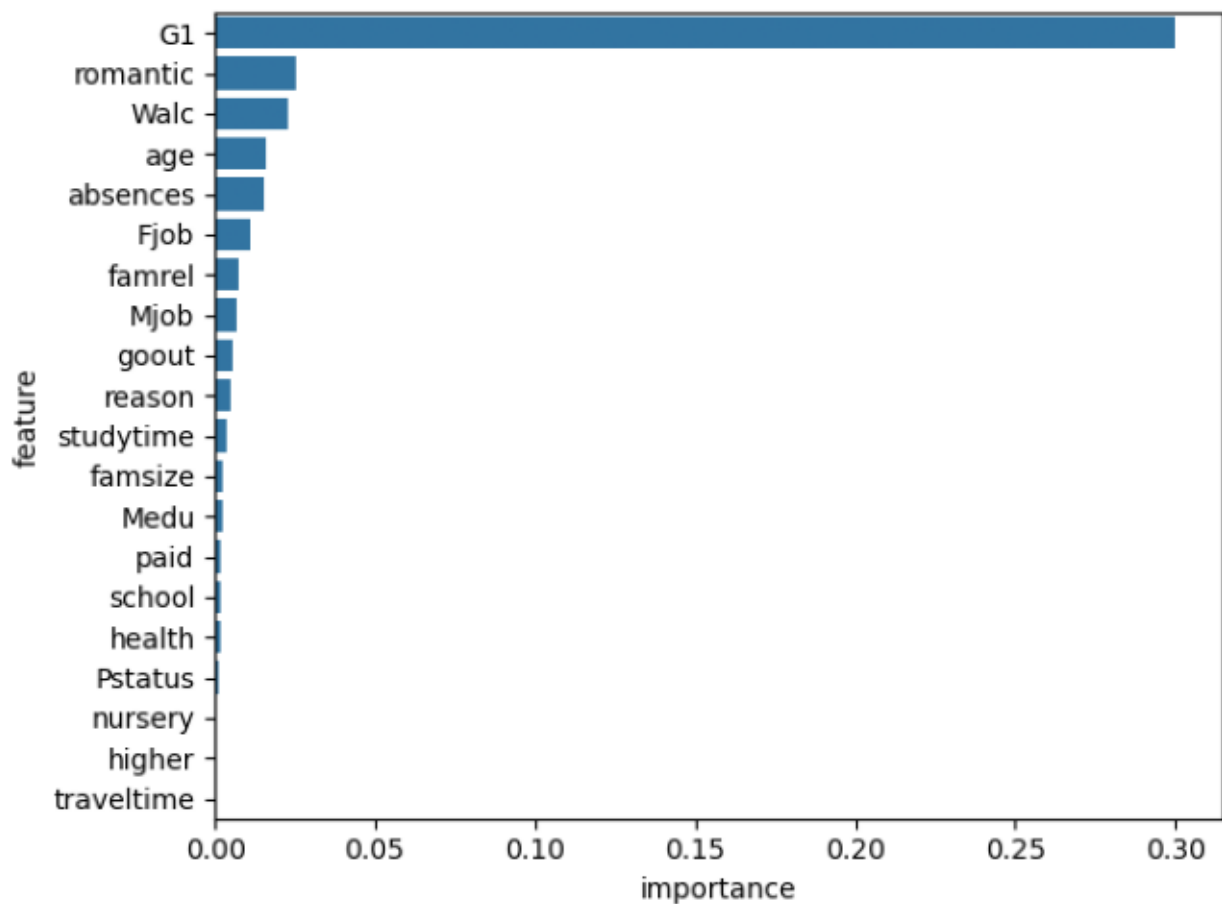
Shap Dependence Num Age
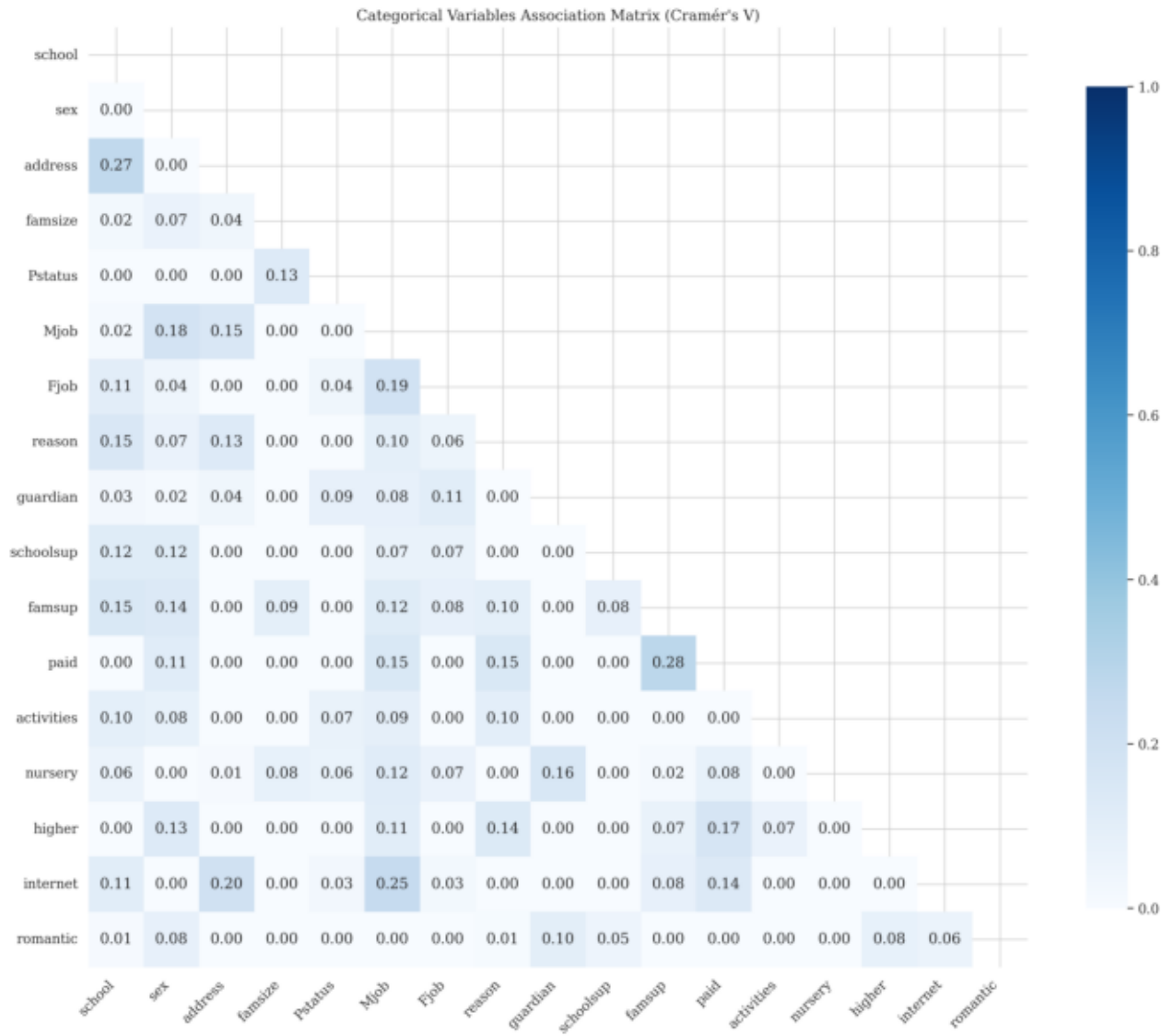
Ice Age

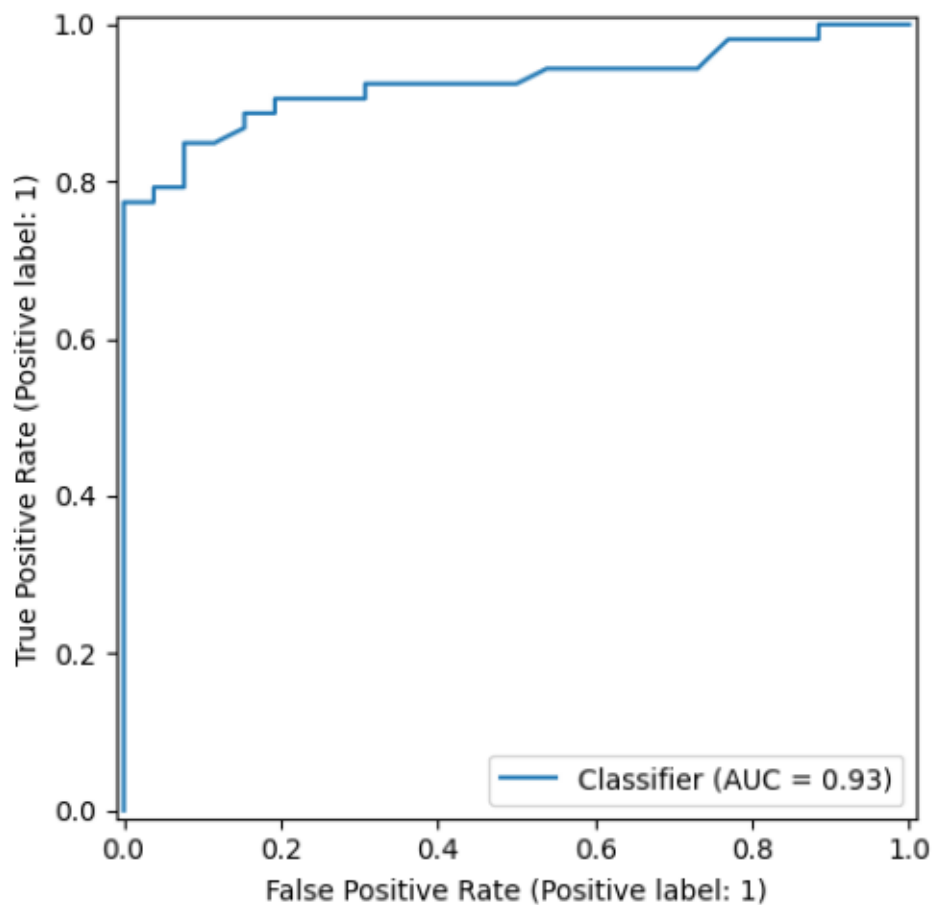Ice Studytime

Shap Dependence Num Absences
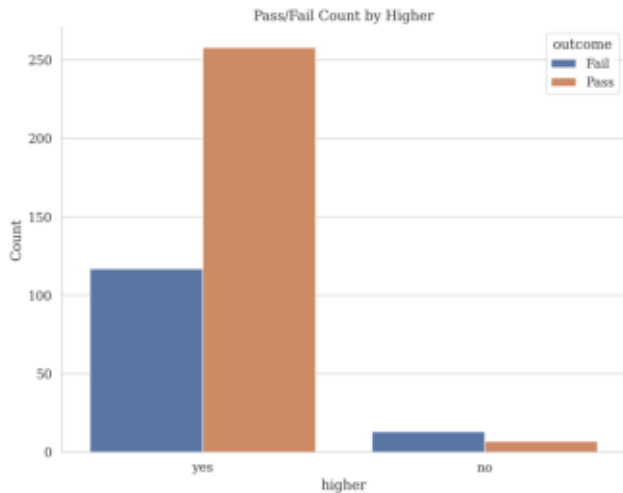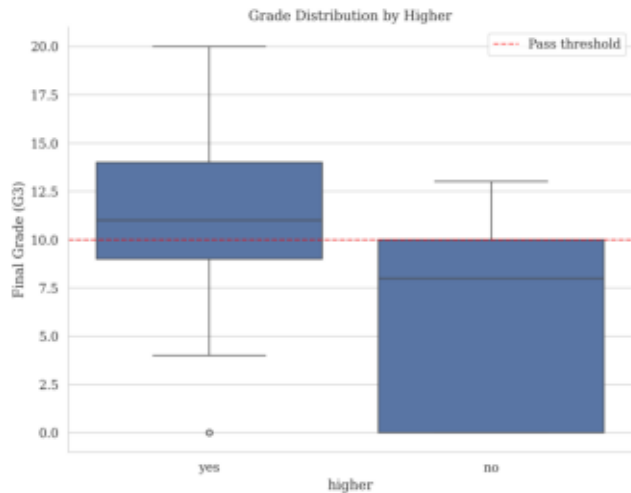
Early Feature Importance G1
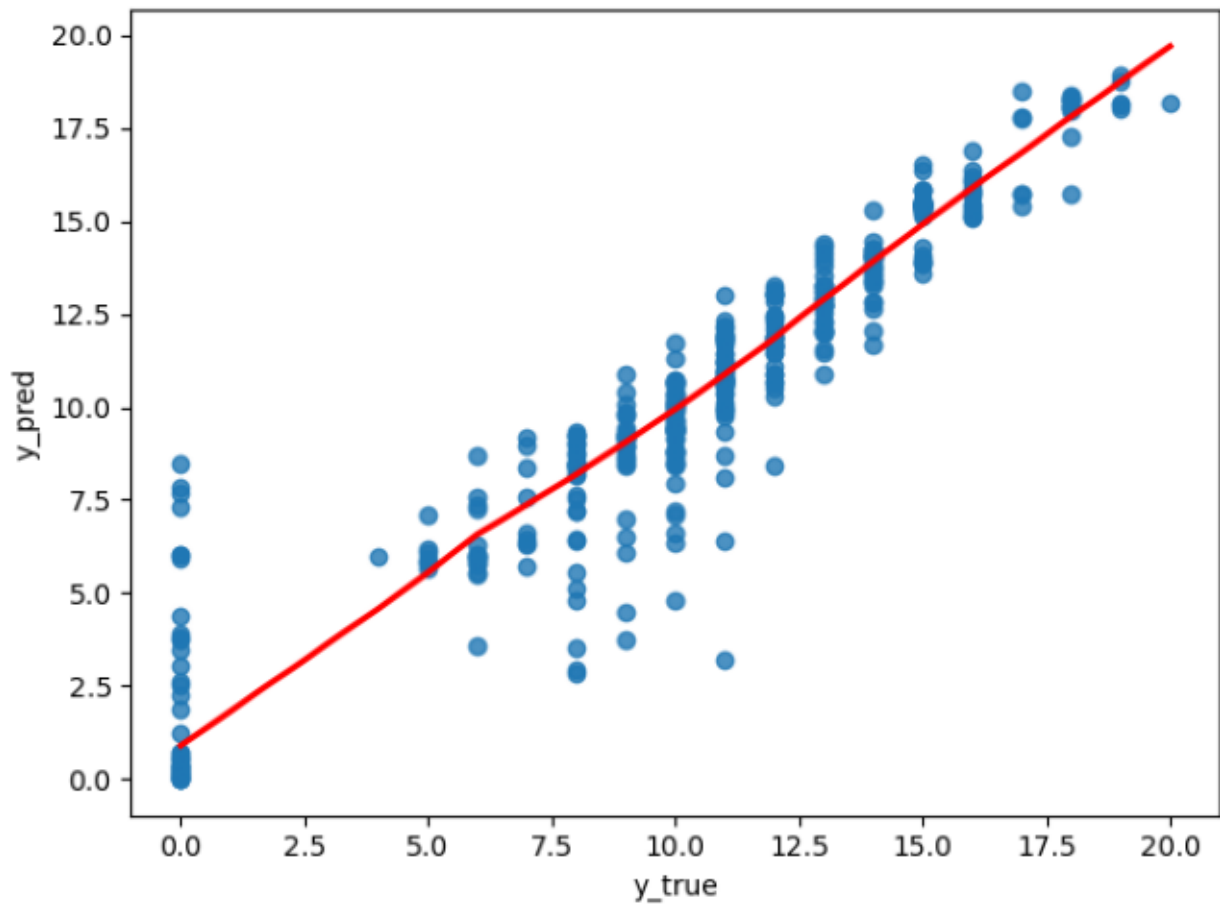
Eda Categorical Correlation Heatmap

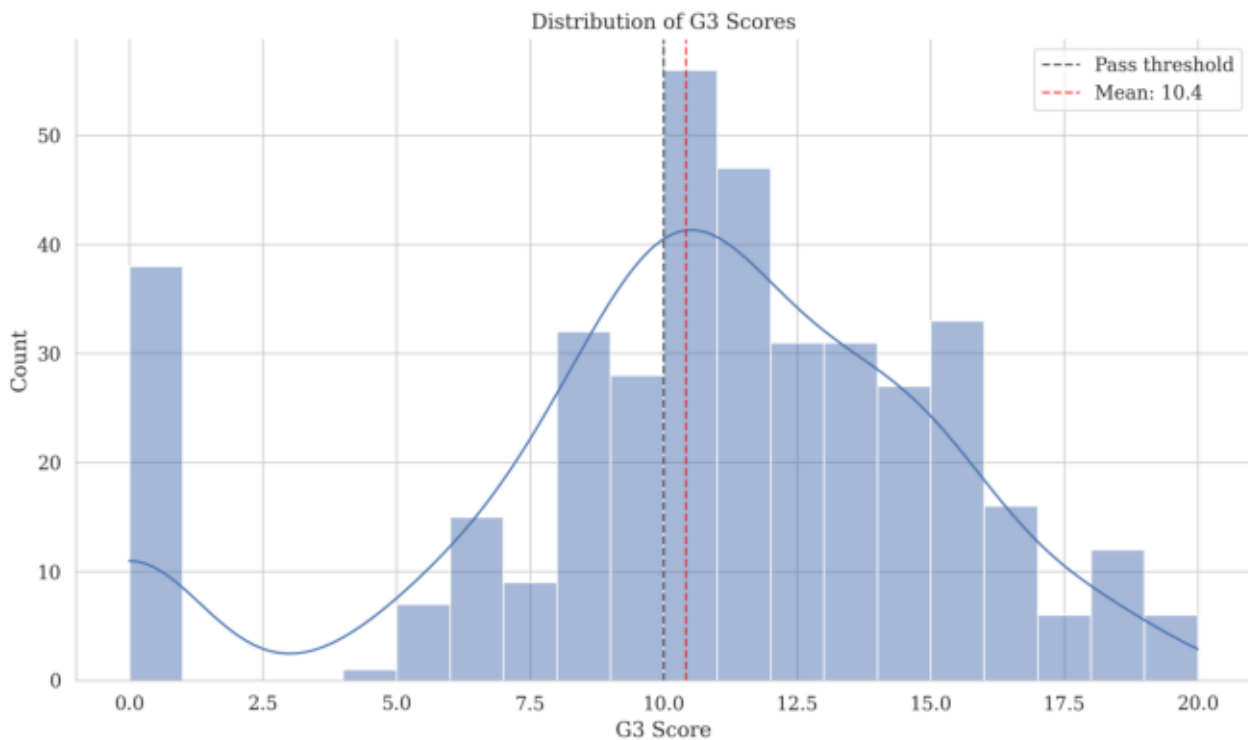Categorical Variables Association Matrix (Cramér's V)

Roc Curve

Eda Grade By Higher Analysis

Grade Distribution by Higher

Pass/Fail Count by Higher

Pred Vs Actual

Eda Grade Distribution G3

Distribution of G3 Scores

Segmentation Kmeans

Kmeans Clusters