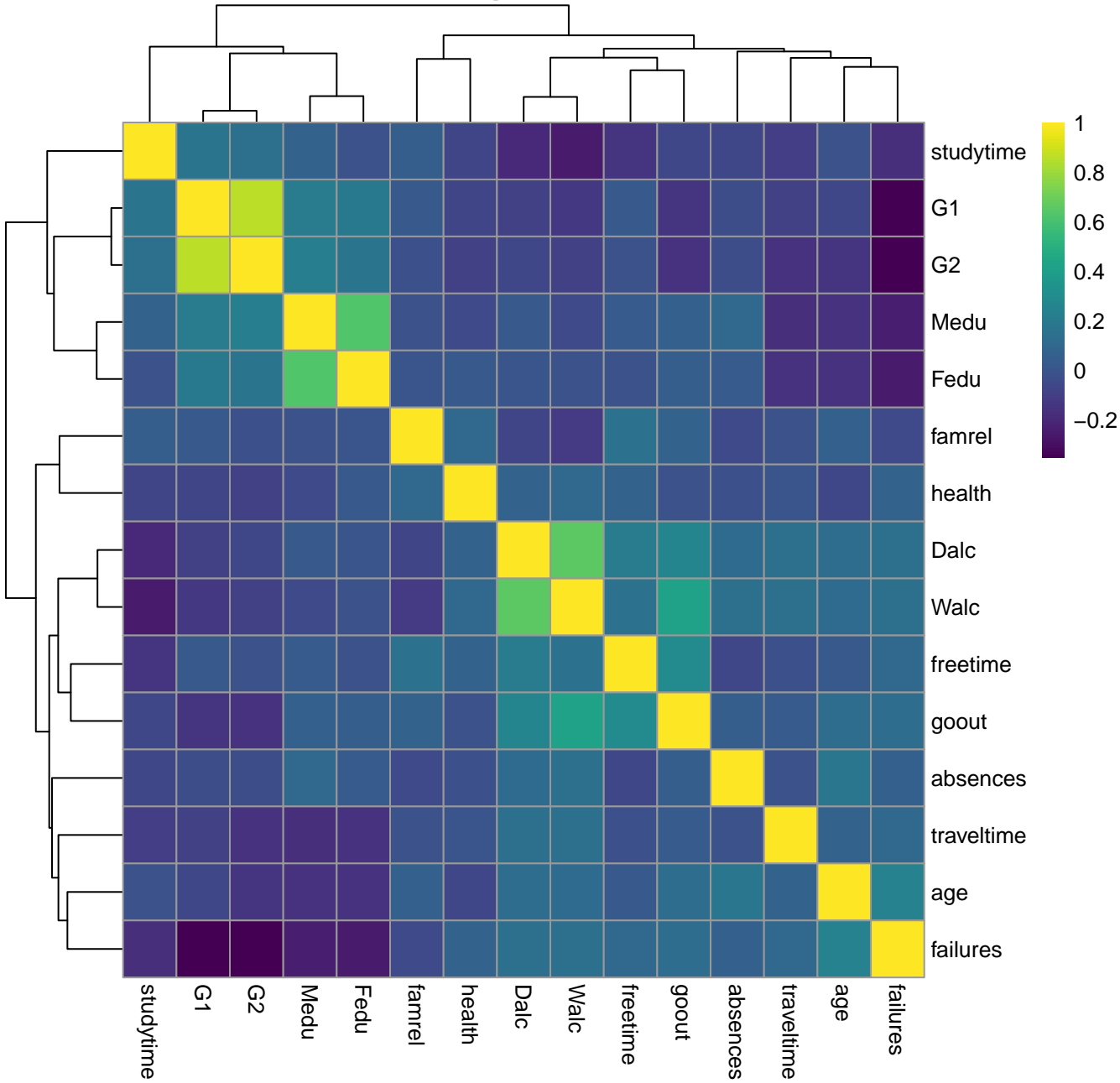
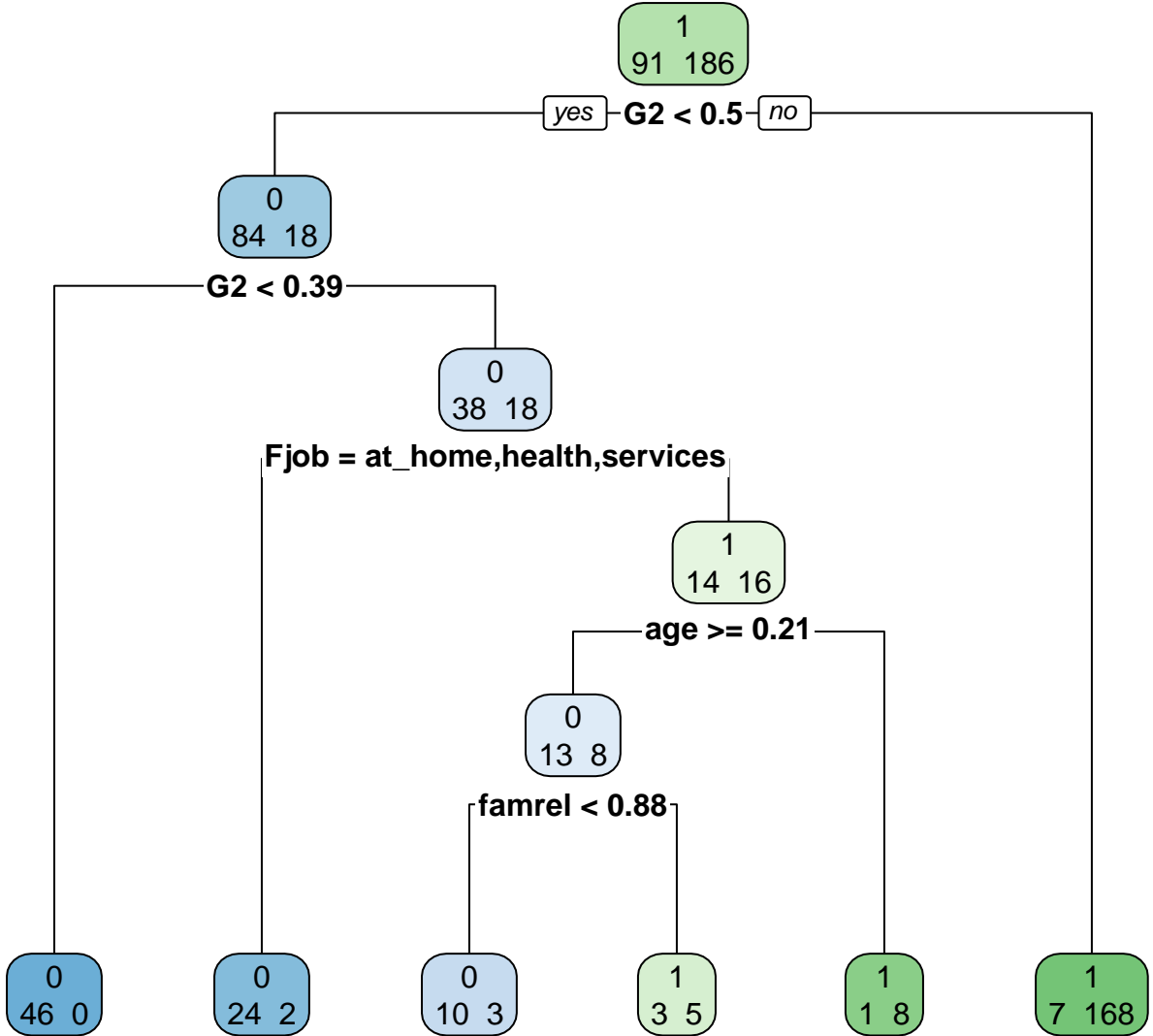


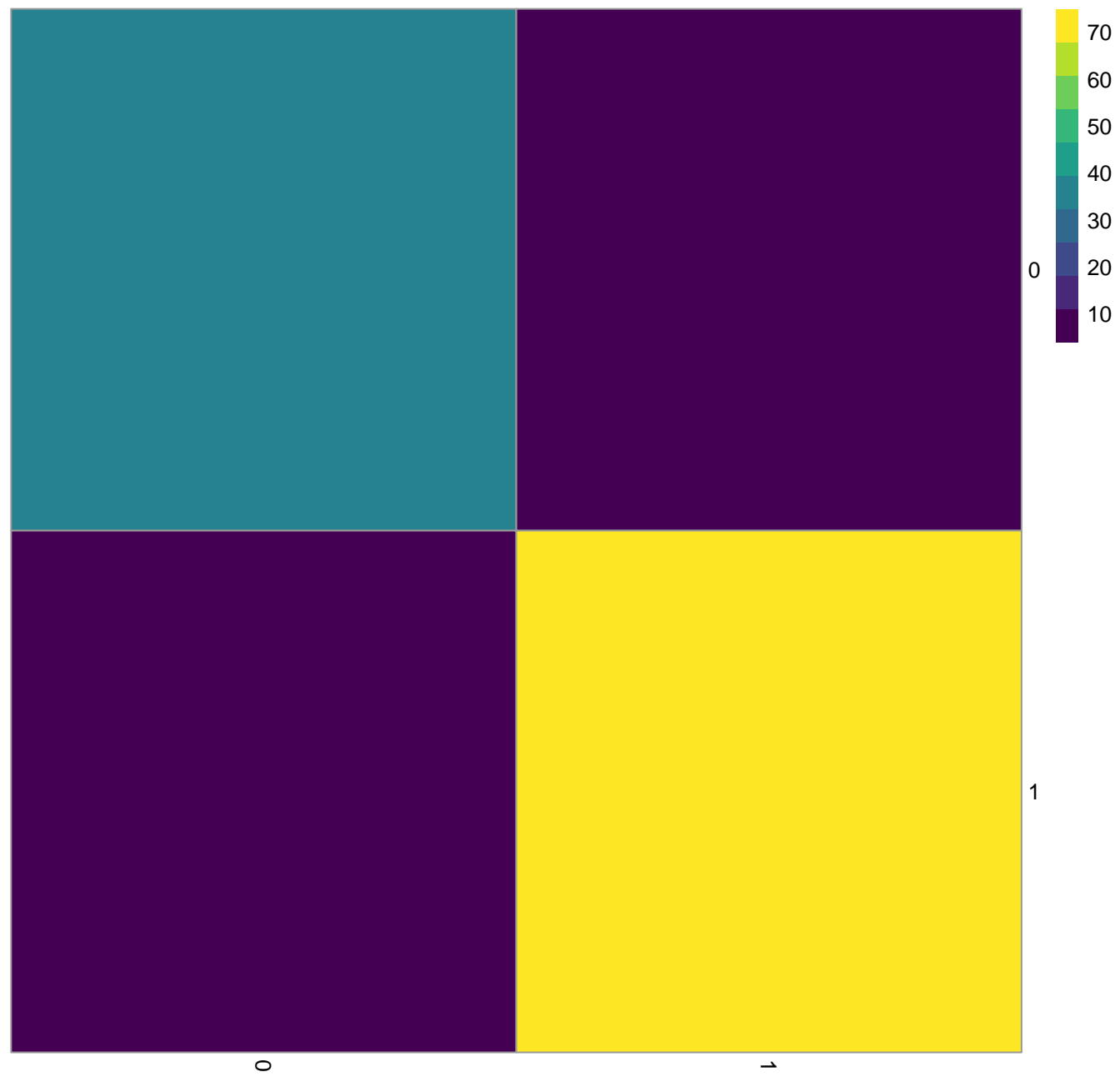
Heatmap visualization showing the correlation matrix for the variables: studytime, G1, G2, Medu, Fedu, famrel, health, Dalc, Walc, freetime, goout, absences, traveltime, age, and failures. The color scale ranges from -0.2 (dark purple) to 1 (yellow). The diagonal is all yellow (1.0). studytime is highly positive with G1, G2, Medu, Fedu, and failures. G1 and G2 are highly positive with each other and failures. Medu and Fedu are positive with failures. famrel is positive with health. Dalc and Walc are positive with each other and failures. freetime and goout are positive with failures. absences and traveltime are positive with failures. age is positive with failures.



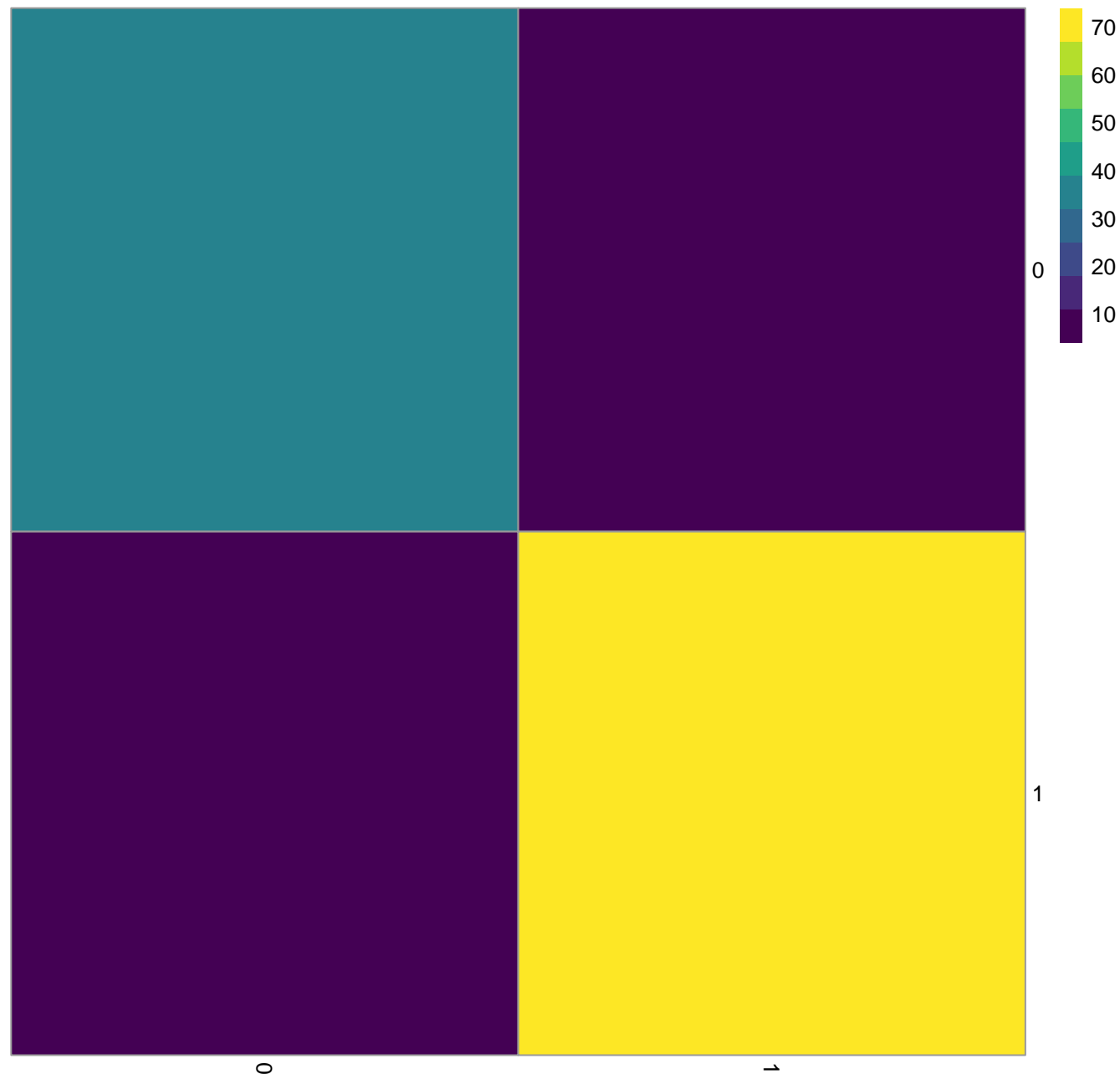
Decision Tree for Student Performance



Decision Tree Confusion Matrix Heatmap



Random Forest Confusion Matrix Heatmap



ROC Curves Comparison

