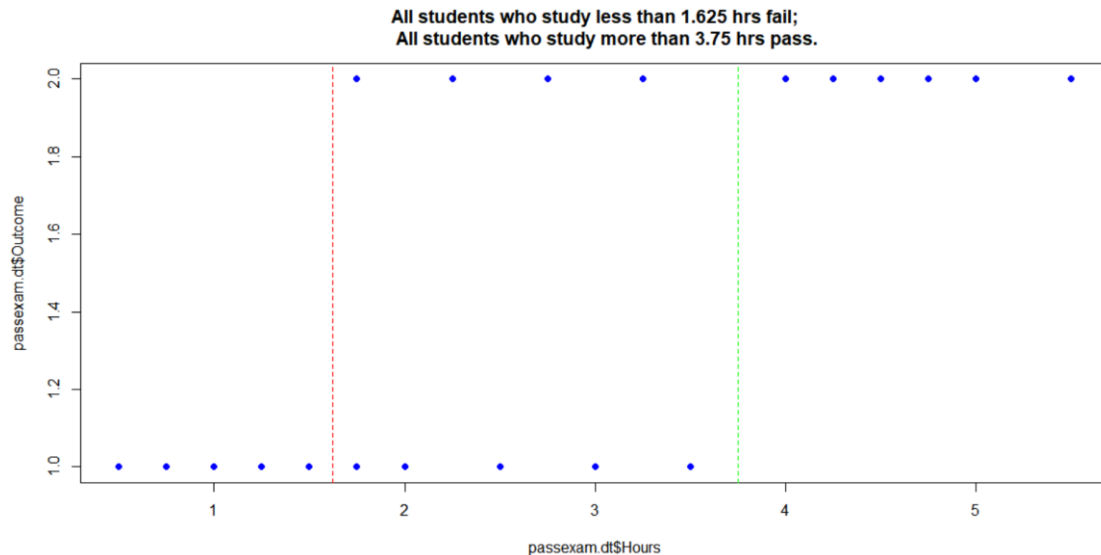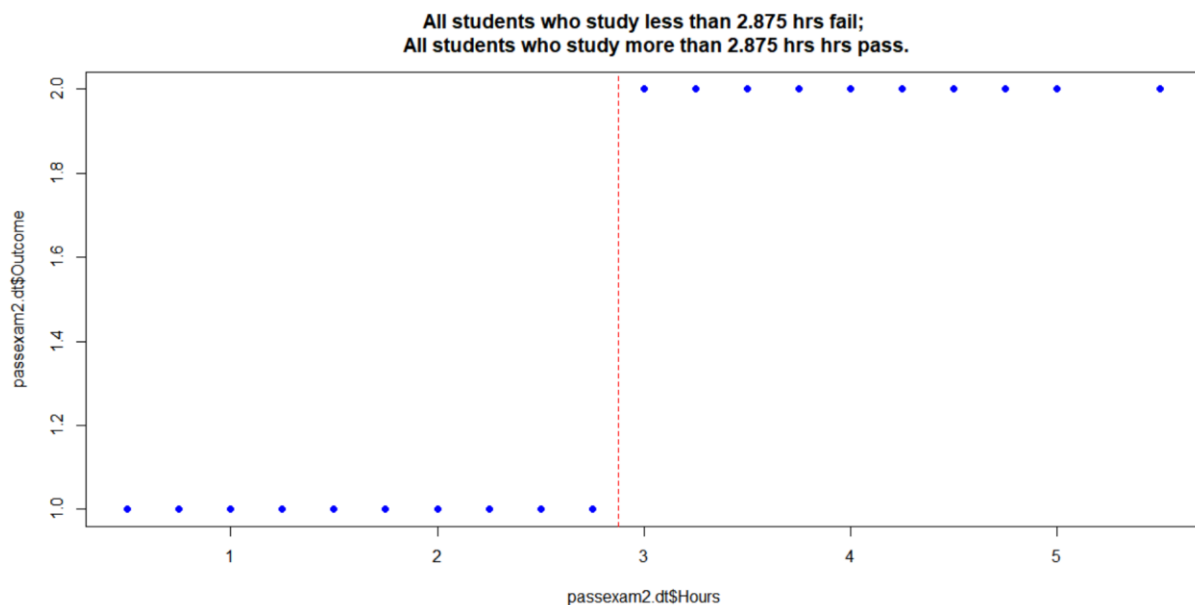# Exercise 8.2: CART Analysis for passexam.csv and passexam2.csv

1. In previous unit on Logistic Regression, we analyzed passexam.csv. Plotting the dataset shows at least two clear cut-offs for failing and passing the exam. Can CART detect the two cut-offs?

All students who study less than 1.625 hrs fail;
All students who study more than 3.75 hrs pass.

2. Previously, we learnt that Logistic Regression fails on perfectly separable data passexam2.csv. Plotting the dataset shows at least one clear cut-off for failing and passing the exam. Can CART succeed in creating the model and detect the single cut-off?

All students who study less than 2.875 hrs fail;
All students who study more than 2.875 hrs hrs pass.

Instructor Solution: passexam CART.R