

Exercise 4

In the lab, a classification tree was applied to the `Carseats` data set after converting `Sales` into a qualitative response variable. Now we will seek to predict `Sales` using regression trees and related approaches, treating the response as a quantitative variable.

- (a) Split the data set into a training set and a test set.
- (b) Fit a regression tree to the training set. Plot the tree, and interpret the results. What test MSE do you obtain?