FITTING A MODEL WITH CATEGORICAL VARIABLES

It can be realized that query is a three-level categorical variable but the coefficient for Quarry reported only two parameter estimates. This is because there is K - 1 coefficients that are reported for categorical predictors, where key is the number of levels. 3 - 1 = 2. It can also be realized that neither of the categorical predictors appears to be significant given the other predictors in the model. the P value for Shift is 0.608, and the P value for Quarry is 0.628