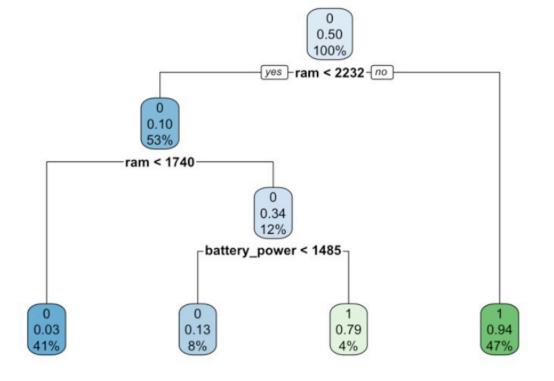
```
m_binary <- m[, !c("price_range", "p0", "p1", "p2", "p3")]</pre>
```

Split our data set on training and testing subset.

```
set.seed(810)
sampleSplit <- sample.split(Y=m_binary$price_binary, SplitRatio=0.7)
trainSet <- subset(x=m_binary, sampleSplit==TRUE)
testSet <- subset(x=m_binary, sampleSplit==FALSE)</pre>
```

```
dt_model_binary <- rpart(
  price_binary - .,
  data=trainSet,
  method="class"
)</pre>
```

```
rpart.plot(dt_model_binary)
```



```
preds <- predict(dt_model_binary, testSet[,!c("price_binary")],type="class")
preds <- as.numeric(preds) - 1</pre>
```

```
confusionMatrix(table(testSetSprice_binary, preds))
```

```
## Confusion Matrix and Statistics
##
     preds
##
##
        0 1
##
    0 267 33
##
    1 20 280
##
                 Accuracy: 0.9117
##
                   95% CI: (0.886, 0.9331)
##
      No Information Rate: 0.5217
##
      P-Value [Acc > NIR] : < 2e-16
##
##
                    Kappa : 0.8233
##
## Mcnemar's Test P-Value: 0.09929
##
##
              Sensitivity: 0.9303
##
              Specificity: 0.8946
##
           Pos Pred Value: 0.8900
##
           Neg Pred Value: 0.9333
##
               Prevalence: 0.4783
##
           Detection Rate: 0.4450
##
     Detection Prevalence: 0.5000
##
        Balanced Accuracy: 0.9124
##
##
          'Positive' Class: 0
##
```