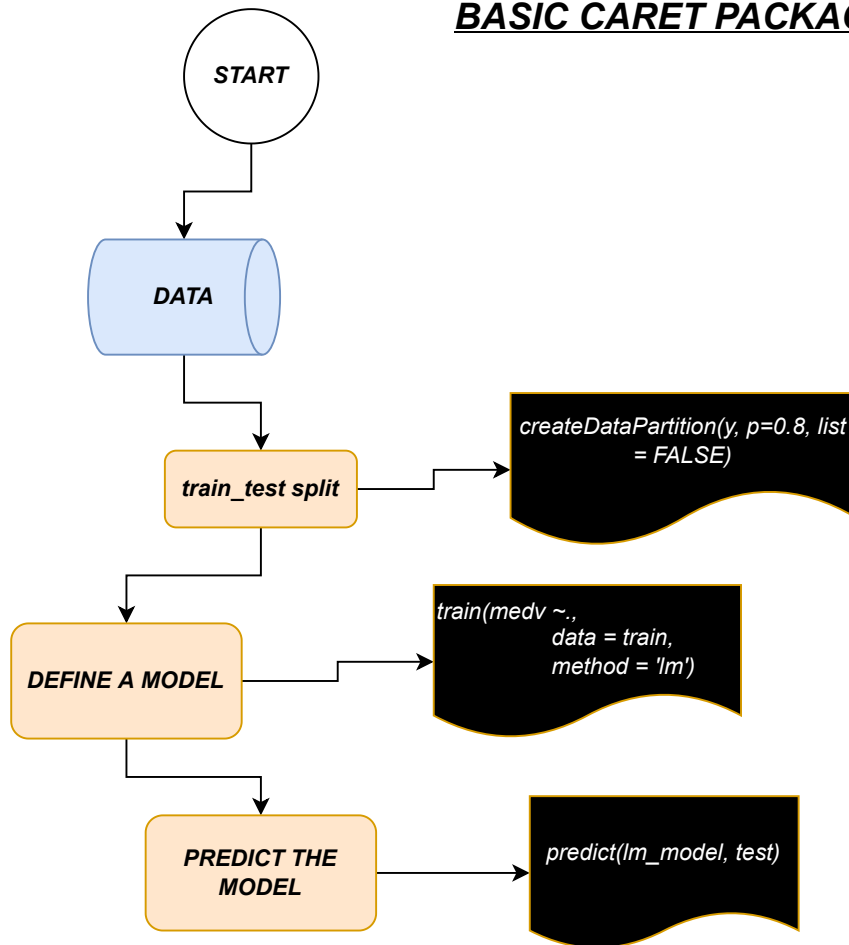


## **BASIC CARET PACKAGE WORKFLOW IN R**



### **CROSS VALIDATION**

```
ctrl <- trainControl(method = "cv", number = 10)
lm_model_cv <- train(medv ~ crim + chas + nox + rm + dis +
rad + tax + ptratio + lstat,
  data = train,
  trControl = ctrl,
  method = "lm")
```

### **DIFFERENT METRICS**

```
train(medv ~ crim + chas + nox + rm + dis + rad +
tax + ptratio + lstat,
  data = train,
  trControl = ctrl,
  metric = "Rsquared"
  method = "lm")
```

### **HYPER PARAMETER TUNING**

```
tuneGrid <- data.frame(
  mtry = c(1,2,3),
  min.node.size = c(2,4,10),
  splitrule = c('variance')
)
train(medv ~ crim + chas + nox + rm + dis + rad +
tax + ptratio + lstat,
  data = train,
  trControl = ctrl,
  tuneGrid = tuneGrid,
  metric = "Rsquared"
  method = "lm")
```

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