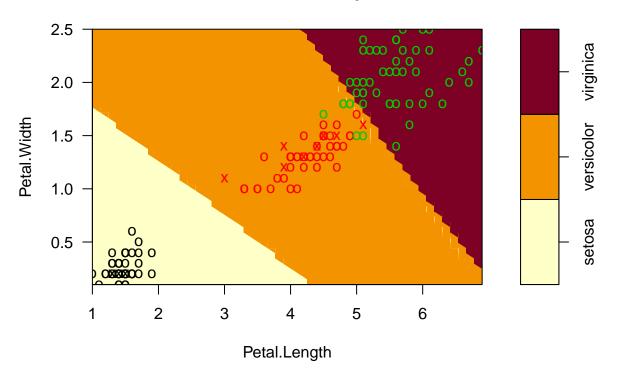
# SVM Classification on the Iris Data

### Load iris data and divide into train and test sets

```
set.seed(1234)
i <- sample(150, 100, replace=TRUE)
train <- iris[i,]
test <- iris[-i,]</pre>
```

#### Run a linear SVM

## **SVM** classification plot



#### Evaluate on the test data

virginica

0

5

##

```
pred <- predict(svm1, newdata=test)
table(pred, test$Species)

##
## pred setosa versicolor virginica
## setosa 27 0 0
## versicolor 0 22 0</pre>
```

25

mean(pred==test\$Species)

## [1] 0.9367089