R for Statistical Learning

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2016-12-23

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Preface

This is the very first part of the book.

Will this show on the web?

Chapter 1

Introduction

This is the first real chapter.

This is a travis test.

asdf

Theorem 1.1 (Pythagorean Theorem)**.** *For a right triangle, if c denotes the length of the hypotenuse and a and b denote the lengths of the other two sides, we have*

$$a^2 + b^2 = c^2$$

test gitpages build status

```
install.packages(c("rmarkdown", "tidyverse", "knitr", "ISLR", "caret",
                   "AppliedPredictiveModeling", "ellipse", "nnet", "pROC",
                   "knitr", "randomForest", "leaps", "glmnet", "mxnet", "gam",
                   "tree", "rpart", "gbm", "extraTrees", "kernlab", "e1071",
                   "extraTrees", "sparcl", "formatR"))
```

```
library(randomForest)
```

```
## randomForest 4.6-12
```

```
## Type rfNews() to see new features/changes/bug fixes.
```

```
set.seed(71)
iris.rf <- randomForest(Species ~ .,
                        data = iris,
                        importance = TRUE,
                        proximity = TRUE)
iris.rf
```

```
##
## Call:
##  randomForest(formula = Species ~ ., data = iris, importance = TRUE,     proximity = TRUE)
##                Type of random forest: classification
##                      Number of trees: 500
```

```
## No. of variables tried at each split: 2
##
##         OOB estimate of  error rate: 5.33%
## Confusion matrix:
##            setosa versicolor virginica class.error
## setosa         50          0         0        0.00
## versicolor      0         46         4        0.08
## virginica       0          4        46        0.08
```

Chapter 2

Diving In

Now let's talk details.

asdf

testing edit from coatless

testing git config

Bibliography