Model성능평가보고서

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2019 10 24

## R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

summary(cars)

## speed dist   
## Min. : 4.0 Min. : 2.00   
## 1st Qu.:12.0 1st Qu.: 26.00   
## Median :15.0 Median : 36.00   
## Mean :15.4 Mean : 42.98   
## 3rd Qu.:19.0 3rd Qu.: 56.00   
## Max. :25.0 Max. :120.00

## Including Plots

You can also embed plots, for example:



Note that the echo = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.

library(randomForest)

## randomForest 4.6-14

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

library(caret)

## Loading required package: lattice

## Loading required package: ggplot2

##   
## Attaching package: 'ggplot2'

## The following object is masked from 'package:randomForest':  
##   
## margin

train\_list=createDataPartition(y=iris$Species,p=0.6, list=FALSE)#60%확률   
iris\_train=iris[train\_list,]  
iris\_test=iris[-train\_list,]  
  
f=randomForest(Species~.,data=iris\_train)  
p=predict(f,newdata = iris\_test)  
  
p

## 3 4 7 14 17 21   
## setosa setosa setosa setosa setosa setosa   
## 22 24 27 28 31 32   
## setosa setosa setosa setosa setosa setosa   
## 33 34 37 39 40 43   
## setosa setosa setosa setosa setosa setosa   
## 44 47 52 55 57 60   
## setosa setosa versicolor versicolor versicolor versicolor   
## 61 63 64 65 66 69   
## versicolor versicolor versicolor versicolor versicolor versicolor   
## 70 74 77 81 82 91   
## versicolor versicolor versicolor versicolor versicolor versicolor   
## 96 97 98 99 102 103   
## versicolor versicolor versicolor versicolor virginica virginica   
## 104 106 108 112 113 118   
## virginica virginica virginica virginica virginica virginica   
## 122 124 126 128 136 138   
## virginica virginica virginica virginica virginica virginica   
## 139 142 143 145 147 149   
## versicolor virginica virginica virginica virginica virginica   
## Levels: setosa versicolor virginica

iris\_test$Species

## [1] setosa setosa setosa setosa setosa setosa   
## [7] setosa setosa setosa setosa setosa setosa   
## [13] setosa setosa setosa setosa setosa setosa   
## [19] setosa setosa versicolor versicolor versicolor versicolor  
## [25] versicolor versicolor versicolor versicolor versicolor versicolor  
## [31] versicolor versicolor versicolor versicolor versicolor versicolor  
## [37] versicolor versicolor versicolor versicolor virginica virginica   
## [43] virginica virginica virginica virginica virginica virginica   
## [49] virginica virginica virginica virginica virginica virginica   
## [55] virginica virginica virginica virginica virginica virginica   
## Levels: setosa versicolor virginica