# Credit Card Fraud Detection

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## Introduction

Project ini bertujuan untuk membuat model yang dapat mengklasifikasikan apakah sebuah transaksi termasuk fraud atau tidak. Kebanyakan fitur dalam dataset sudah discaled nilainya dan tidak ditunjukkan nama fiturnya untuk alasan privasi. Namun,kita tetap bisa membangun model menggunakan fitur-fitur tersebut untuk melakukan klasifikasi.

### Tujuan Project

1. Memahami distribusi data transaksi yang bersifat fraud dan tidak.
2. Membuat sub-dataframe dengan rasio transaksi fraud dan tidak fraud yang tidak terlalu jauh agar model tidak overfitting.
3. Menentukan algoritma klasifikasi mana yang memberikan hasil yang terbaik.

### Referensi

1. Kaggle
2. Machinelearningplus.com

### Packages yang Digunakan

```r
# library untuk mengolah data
library(utils)
library(tidyr)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```r
# library untuk memplot data
library(corrplot)
```

```
## corrplot 0.84 loaded
```

```r
library(ggplot2)

# library untuk membangun model
library(caret)
```

```
## Loading required package: lattice
```

```r
# library untuk directory
library(here)
```

```
## here() starts at D:/R/Project/Portofolio/Credit Fraud Detection
```

# Datasets

Dataset transaksi kartu kredit berasal dari kaggle. Data berisi 28 variabel yang tidak diketahui nama kolomnya dan sudah di scaled oleh pemilik data,variabel waktu transaksi, dan variabel jumlah uang pertransaksi.

```r
# Import data csv
df <- read.csv(here("creditcard.csv"))

# melihat ringkasan dataframe
str(df)
```

```
## 'data.frame':    284807 obs. of  31 variables:
##  $ Time  : num  0 0 1 1 2 2 4 7 7 9 ...
##  $ V1    : num  -1.36 1.192 -1.358 -0.966 -1.158 ...
##  $ V2    : num  -0.0728 0.2662 -1.3402 -0.1852 0.8777 ...
##  $ V3    : num  2.536 0.166 1.773 1.793 1.549 ...
##  $ V4    : num  1.378 0.448 0.38 -0.863 0.403 ...
##  $ V5    : num  -0.3383 0.06 -0.5032 -0.0103 -0.4072 ...
##  $ V6    : num  0.4624 -0.0824 1.8005 1.2472 0.0959 ...
##  $ V7    : num  0.2396 -0.0788 0.7915 0.2376 0.5929 ...
##  $ V8    : num  0.0987 0.0851 0.2477 0.3774 -0.2705 ...
##  $ V9    : num  0.364 -0.255 -1.515 -1.387 0.818 ...
##  $ V10   : num  0.0908 -0.167 0.2076 -0.055 0.7531 ...
##  $ V11   : num  -0.552 1.613 0.625 -0.226 -0.823 ...
##  $ V12   : num  -0.6178 1.0652 0.0661 0.1782 0.5382 ...
##  $ V13   : num  -0.991 0.489 0.717 0.508 1.346 ...
##  $ V14   : num  -0.311 -0.144 -0.166 -0.288 -1.12 ...
##  $ V15   : num  1.468 0.636 2.346 -0.631 0.175 ...
##  $ V16   : num  -0.47 0.464 -2.89 -1.06 -0.451 ...
##  $ V17   : num  0.208 -0.115 1.11 -0.684 -0.237 ...
##  $ V18   : num  0.0258 -0.1834 -0.1214 1.9658 -0.0382 ...
##  $ V19   : num  0.404 -0.146 -2.262 -1.233 0.803 ...
##  $ V20   : num  0.2514 -0.0691 0.525 -0.208 0.4085 ...
```

```
## $ V21   : num  -0.01831 -0.22578 0.248 -0.1083 -0.00943 ...
## $ V22   : num  0.27784 -0.63867 0.77168 0.00527 0.79828 ...
## $ V23   : num  -0.11 0.101 0.909 -0.19 -0.137 ...
## $ V24   : num  0.0669 -0.3398 -0.6893 -1.1756 0.1413 ...
## $ V25   : num  0.129 0.167 -0.328 0.647 -0.206 ...
## $ V26   : num  -0.189 0.126 -0.139 -0.222 0.502 ...
## $ V27   : num  0.13356 -0.00898 -0.05535 0.06272 0.21942 ...
## $ V28   : num  -0.0211 0.0147 -0.0598 0.0615 0.2152 ...
## $ Amount: num  149.62 2.69 378.66 123.5 69.99 ...
## $ Class : int  0 0 0 0 0 0 0 0 0 0 ...
```

```r
summary(df)
```

```
##      Time              V1                  V2                  V3
## Min.   :     0   Min.   :-56.40751   Min.   :-72.71573   Min.   :-48.3256
## 1st Qu.: 54202   1st Qu.: -0.92037   1st Qu.: -0.59855   1st Qu.: -0.8904
## Median : 84692   Median :  0.01811   Median :  0.06549   Median :  0.1799
## Mean   : 94814   Mean   :  0.00000   Mean   :  0.00000   Mean   :  0.0000
## 3rd Qu.:139321   3rd Qu.:  1.31564   3rd Qu.:  0.80372   3rd Qu.:  1.0272
## Max.   :172792   Max.   :  2.45493   Max.   : 22.05773   Max.   :  9.3826
##       V4                 V5                   V6                 V7
## Min.   :-5.68317   Min.   :-113.74331   Min.   :-26.1605   Min.   :-43.5572
## 1st Qu.:-0.84864   1st Qu.:  -0.69160   1st Qu.: -0.7683   1st Qu.: -0.5541
## Median :-0.01985   Median :  -0.05434   Median : -0.2742   Median :  0.0401
## Mean   : 0.00000   Mean   :   0.00000   Mean   :  0.0000   Mean   :  0.0000
## 3rd Qu.: 0.74334   3rd Qu.:   0.61193   3rd Qu.:  0.3986   3rd Qu.:  0.5704
## Max.   :16.87534   Max.   :  34.80167   Max.   : 73.3016   Max.   :120.5895
##       V8                  V9                 V10                 V11
## Min.   :-73.21672   Min.   :-13.43407   Min.   :-24.58826   Min.   :-4.79747
## 1st Qu.: -0.20863   1st Qu.: -0.64310   1st Qu.: -0.53543   1st Qu.:-0.76249
## Median :  0.02236   Median : -0.05143   Median : -0.09292   Median :-0.03276
## Mean   :  0.00000   Mean   :  0.00000   Mean   :  0.00000   Mean   : 0.00000
## 3rd Qu.:  0.32735   3rd Qu.:  0.59714   3rd Qu.:  0.45392   3rd Qu.: 0.73959
## Max.   : 20.00721   Max.   : 15.59500   Max.   : 23.74514   Max.   :12.01891
##      V12                V13                V14                V15
## Min.   :-18.6837   Min.   :-5.79188   Min.   :-19.2143   Min.   :-4.49894
## 1st Qu.: -0.4056   1st Qu.:-0.64854   1st Qu.: -0.4256   1st Qu.:-0.58288
## Median :  0.1400   Median :-0.01357   Median :  0.0506   Median : 0.04807
## Mean   :  0.0000   Mean   : 0.00000   Mean   :  0.0000   Mean   : 0.00000
## 3rd Qu.:  0.6182   3rd Qu.: 0.66251   3rd Qu.:  0.4931   3rd Qu.: 0.64882
## Max.   :  7.8484   Max.   : 7.12688   Max.   : 10.5268   Max.   : 8.87774
##      V16                 V17                 V18
## Min.   :-14.12985   Min.   :-25.16280   Min.   :-9.498746
## 1st Qu.: -0.46804   1st Qu.: -0.48375   1st Qu.:-0.498850
## Median :  0.06641   Median : -0.06568   Median :-0.003636
## Mean   :  0.00000   Mean   :  0.00000   Mean   : 0.000000
## 3rd Qu.:  0.52330   3rd Qu.:  0.39968   3rd Qu.: 0.500807
## Max.   : 17.31511   Max.   :  9.25353   Max.   : 5.041069
##      V19                 V20                 V21
## Min.   :-7.213527   Min.   :-54.49772   Min.   :-34.83038
## 1st Qu.:-0.456299   1st Qu.: -0.21172   1st Qu.: -0.22839
## Median : 0.003735   Median : -0.06248   Median : -0.02945
## Mean   : 0.000000   Mean   :  0.00000   Mean   :  0.00000
## 3rd Qu.: 0.458949   3rd Qu.:  0.13304   3rd Qu.:  0.18638
```

```
## Max.   : 5.591971   Max.   : 39.42090   Max.   : 27.20284
##      V22                  V23                 V24
## Min.   :-10.933144   Min.   :-44.80774   Min.   :-2.83663
## 1st Qu.: -0.542350   1st Qu.: -0.16185   1st Qu.:-0.35459
## Median :  0.006782   Median : -0.01119   Median : 0.04098
## Mean   :  0.000000   Mean   :  0.00000   Mean   : 0.00000
## 3rd Qu.:  0.528554   3rd Qu.:  0.14764   3rd Qu.: 0.43953
## Max.   : 10.503090   Max.   : 22.52841   Max.   : 4.58455
##      V25                 V26                 V27
## Min.   :-10.29540   Min.   :-2.60455   Min.   :-22.565679
## 1st Qu.: -0.31715   1st Qu.:-0.32698   1st Qu.: -0.070840
## Median :  0.01659   Median :-0.05214   Median :  0.001342
## Mean   :  0.00000   Mean   : 0.00000   Mean   :  0.000000
## 3rd Qu.:  0.35072   3rd Qu.: 0.24095   3rd Qu.:  0.091045
## Max.   :  7.51959   Max.   : 3.51735   Max.   : 31.612198
##      V28                Amount              Class
## Min.   :-15.43008   Min.   :    0.00   Min.   :0.000000
## 1st Qu.: -0.05296   1st Qu.:    5.60   1st Qu.:0.000000
## Median :  0.01124   Median :   22.00   Median :0.000000
## Mean   :  0.00000   Mean   :   88.35   Mean   :0.001728
## 3rd Qu.:  0.07828   3rd Qu.:   77.17   3rd Qu.:0.000000
## Max.   : 33.84781   Max.   :25691.16   Max.   :1.000000
```

```r
# cek jumlah data kosong dan data na
sum(is.null(df))
```

```
## [1] 0
```

```r
sum(is.na(df))
```

```
## [1] 0
```

```r
# melihat perbandingan data fraud dan non frauds
p_f <- round(sum(df$Class==1)/nrow(df)*100,2)
p_nf <- round(sum(df$Class==0)/nrow(df)*100,2)
sprintf("Persentase data yang bersifat frauds adalah %g persen",p_f)
```

```
## [1] "Persentase data yang bersifat frauds adalah 0.17 persen"
```

```r
sprintf("Persentase data yang bersifat non-frauds adalah %g persen",p_nf)
```

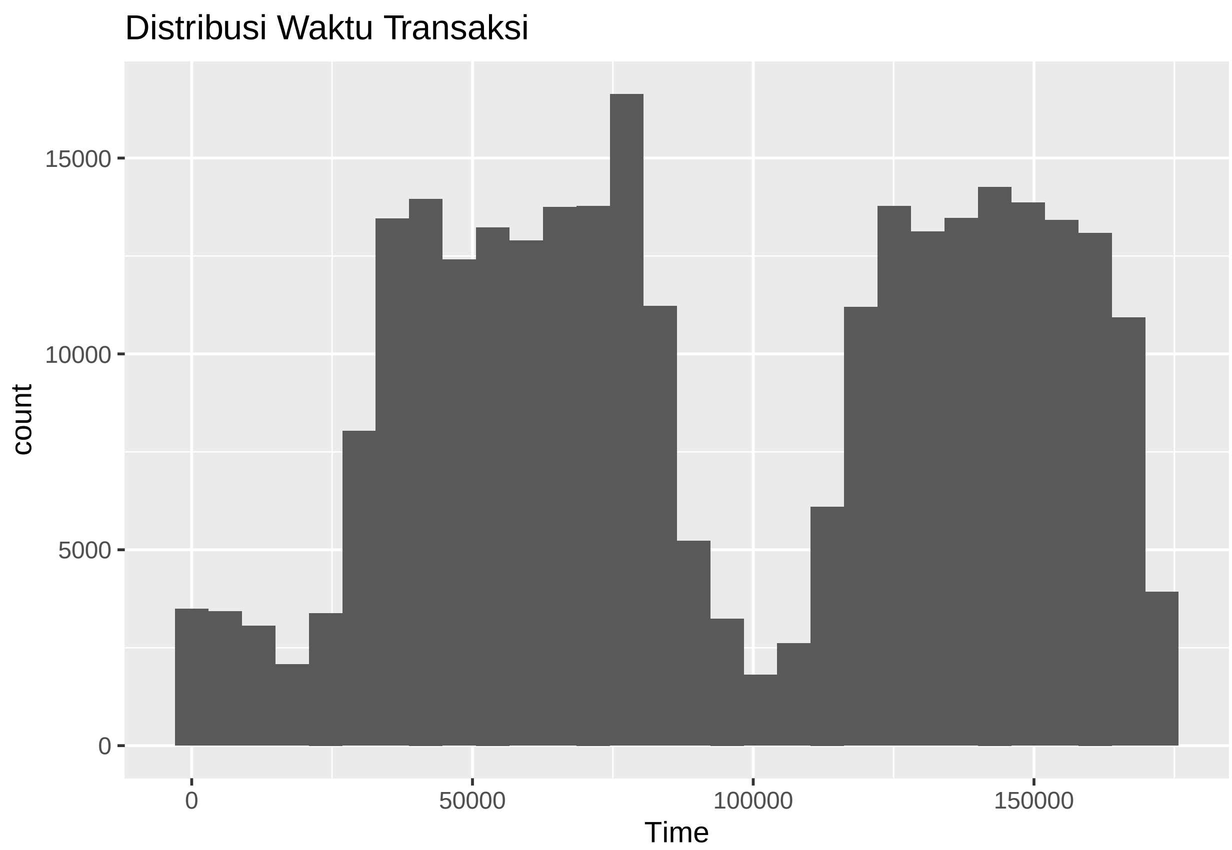
```
## [1] "Persentase data yang bersifat non-frauds adalah 99.83 persen"
```

### Exploration Data Analysis

Berdasarkan eksplorasi data diatas, tidak terdapat nilai NULL atau nilai NA pada dataset. Dataset juga sangat tidak seimbang, persentase observasi yang termasuk non-frauds jauh lebih besar dibandingkan yang termasuk frauds.

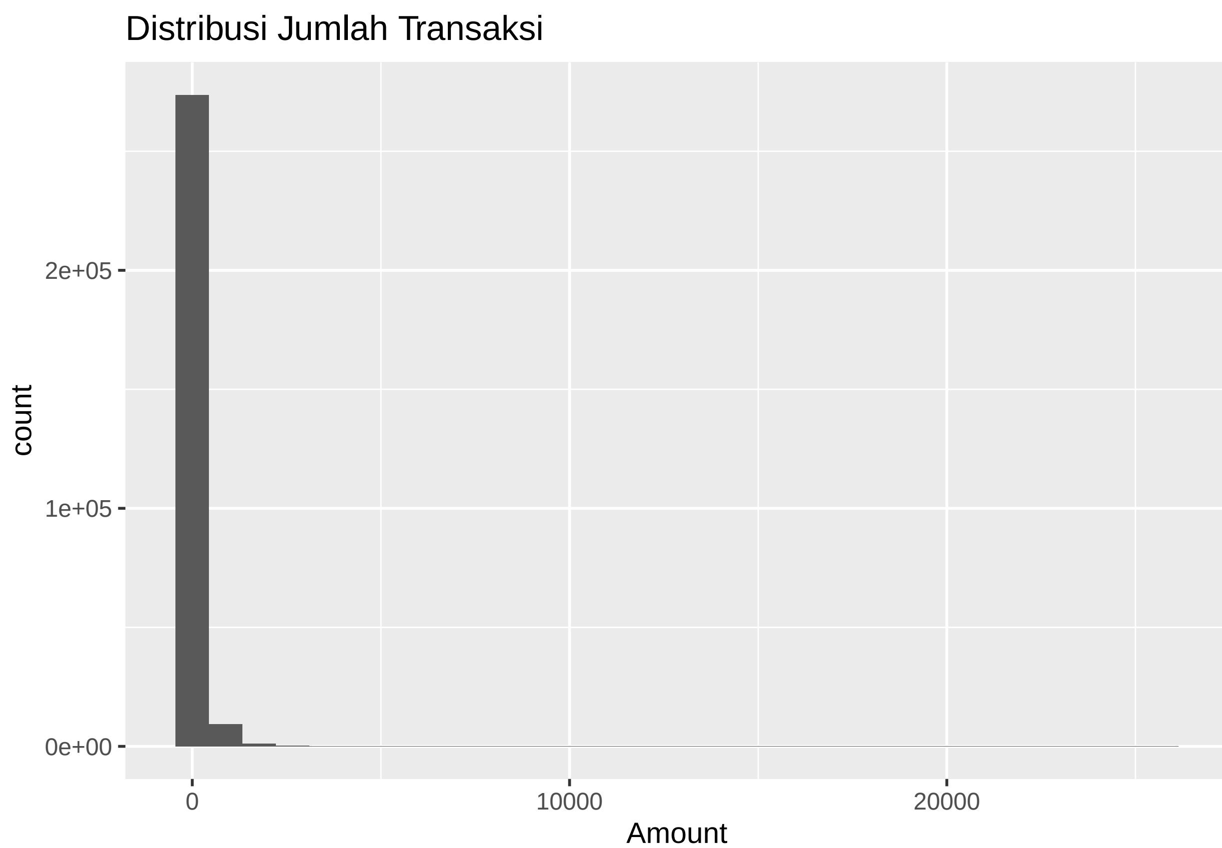
```r
#memplot distribusi waktu dan jumlah per transaksi
ggplot(df,aes(x=Time))+
  geom_histogram()+
  labs(title = "Distribusi Waktu Transaksi")
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```




```r
ggplot(df,aes(x=Amount))+
  geom_histogram()+
  labs(title ="Distribusi Jumlah Transaksi")
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```




Dilihat dari distribusi waktu transaksi diketahui bahwa terdapat dua waktu puncak yang terjadi jumlah transaksi terbanyak. Dilihat dari distribusi jumlah transaksi diketahui bahwa jumlah transaksi di dataset ini mayoritas adalah transaksi berjumlah kecil.

#Pre-processing

### Scaling Variabel

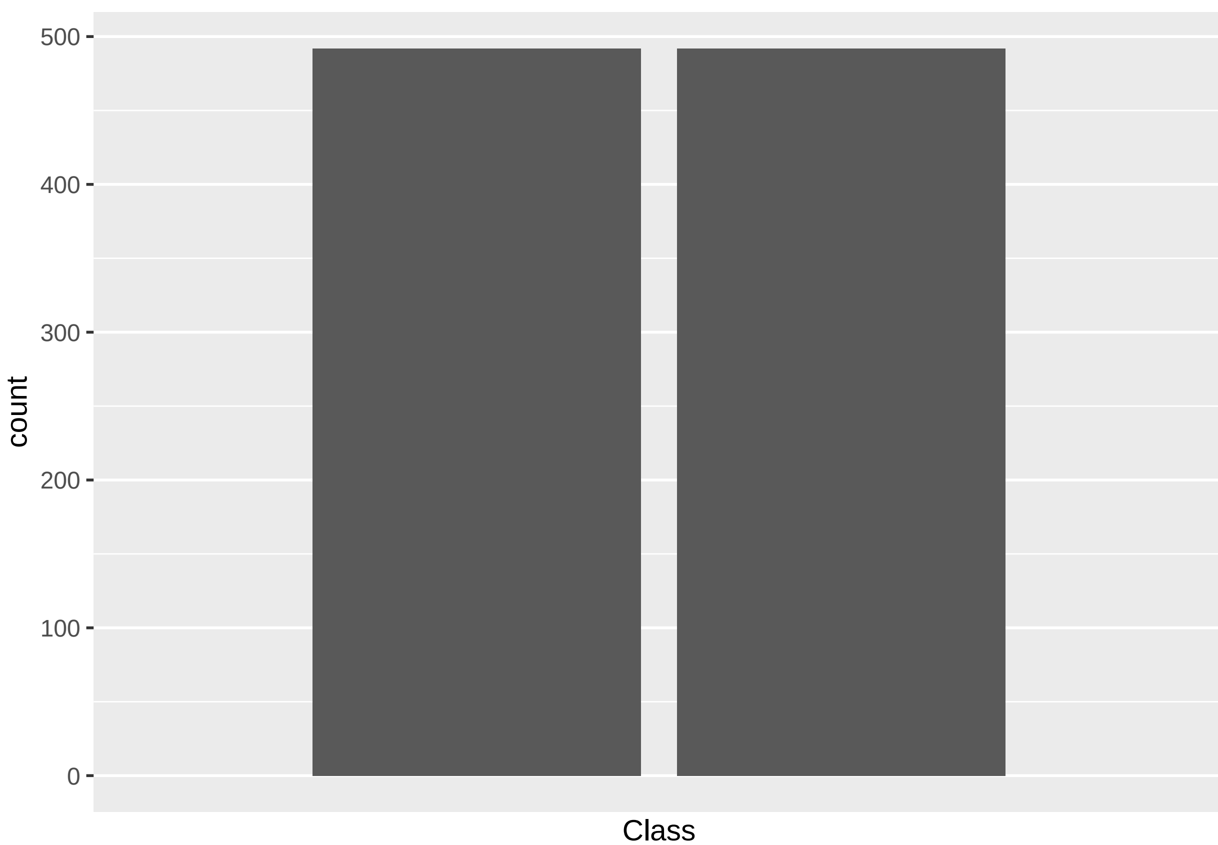
Semua variabel kecuali "Time" dan "Amount" sudah di scaled, oleh karena itu kita scaled variebel "Time" dan "Amount".

```
#membuat dataset baru tanpa kolom time dan amount untuk sampling
new_df<- subset(df,select = -c(Time,Amount))

#membuat skala kolom time dan amount agar ternormalisasi di dataset baru
new_df$scale_time <- scale(df$Time)
new_df$scale_amount <- scale(df$Amount)
```

### Undersampling

Perbandingan persentase data yang fraud (0.17) dan data yang non-fraud ('r p_nf') sangat tidak seimbang. Oleh karena itu perlu diperlakukan teknik sampling undersampling atau oversampling agar model yang dihasilkan tidak overfitting kearah non-fraud. Pada project ini akan digunakan random undersampling.

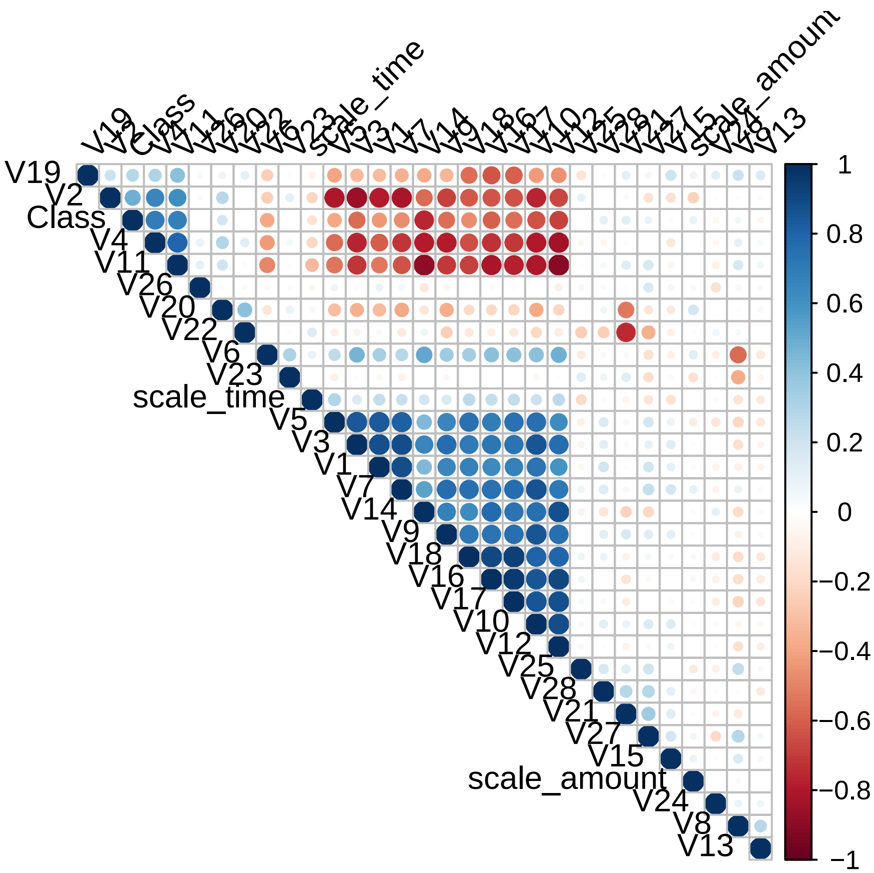
```r
#membuat dataset baru tanpa kolom time dan amount untuk sampling
data<- subset(df,select = -c(Time,Amount))

#membuat skala kolom time dan amount agar ternormalisasi di dataset baru
data$scale_time <- scale(df$Time)
data$scale_amount <- scale(df$Amount)

#membuat dataset baru untuk yang fraud dan non fraud
fraud_df <- filter(data,Class==1)
nfraud_df <- filter(data,Class==0)

#Melakukan undersampling
set.seed(50)
sample_num <- sample(nrow(nfraud_df),nrow(fraud_df))
under_sampling <- nfraud_df[sample_num,]

#membuat dataset baru hasil undersampling
new_df <- rbind(fraud_df,under_sampling)

#plot hasil undersampling
ggplot(new_df,aes(x=Class))+
  geom_bar()+
  scale_x_discrete(labels=c('non-fraud','fraud'))
```



**Correlation Matrix**

Setelah semua data di scaled, kita lihat bagimana korelasi antar semua variabel dengan memplot correlation matrix.

```
#melihat korelasi matrix antar variabel
cor_mat <- cor(new_df)
corrplot(cor_mat, type = "upper", order = "hclust",
         tl.col = "black", tl.srt = 45)
```




```
#Melihat mana yang korelasi paling berpengaruh ke Class
matrix <- cor_mat[,"Class"]

# 5 korelasi positif tertinggi terhadap variabel Class
print(tail(sort(matrix),5,decreasing=TRUE))
```

```
##       V19        V2       V11        V4     Class
## 0.2862293 0.4867436 0.6846938 0.6952337 1.0000000
```

```
# 5 korelasi negatif tertinggi terhadap variabel Class
print(head(sort(matrix),5,decreasing=TRUE))
```

```
##        V14        V12        V10        V16         V3
## -0.7533102 -0.6819162 -0.6319585 -0.5941377 -0.5671144
```

Dari correlation matrix diatas didapatkan variabel yang paling berpengaruh terhadap variabel "Class" adalah V14,V4,V11,V12, dan V10.

### Outlier Removal

Selanjutnya kita menghilangkan data-data outlier data-data outlier berdasarkan V14,V4,V11,V12, dan V10. Namun, karena label yang diutamakan untuk dideteksi adalah berlabel fraud, maka kita lebih mengutamakan menghapus nilai outlier dari data-data yang berlabel fraud.

```
#menghapus data outlier berdasarkan v14,v4,v11,v12,v10

##Mendapatkan nilai yg fraud di V14
v14_fraud <- new_df%>%
  filter(Class==1)


v14_q25 <- quantile(v14_fraud$V14,0.25)
sprintf("kuartil 25 v14 adalah %g",v14_q25)
```

```
## [1] "kuartil 25 v14 adalah -9.69272"
```

```
v14_q75 <- quantile(v14_fraud$V14,0.75)
sprintf("kuartil 75 v14 adalah %g",v14_q75)
```

```
## [1] "kuartil 75 v14 adalah -4.28282"
```

```
v14_iqr <- v14_q75 - v14_q25
sprintf("Jarak Interkuartil v14 adalah %g",v14_iqr)
```

```
## [1] "Jarak Interkuartil v14 adalah 5.4099"
```

```
v14_upper <- v14_q75 + v14_iqr*1.5
sprintf("V14 Upper : %g",v14_upper)
```

```
## [1] "V14 Upper : 3.83203"
```

```
v14_lower <- v14_q25 - v14_iqr*1.5
sprintf("V14 Lower : %g",v14_lower)
```

```
## [1] "V14 Lower : -17.8076"
```

```
outlier_v14 <- which(v14_fraud$V14<v14_lower|v14_fraud$V14>v14_upper)
data_outlier_v14 <- v14_fraud[outlier_v14,"V14"]
print(data_outlier_v14)
```

```
## [1] -19.21433 -18.82209 -18.49377 -18.05000
```

```r
length(data_outlier_v14)
```

```
## [1] 4
```

```r
#menghilangkan data outlier dari dataset
if(length(outlier_v14)>0){
  new_df <- new_df[-outlier_v14,]
} else print("Tidak ada data outlier")


##Mendapatkan nilai yg fraud di V4
v4_fraud <- new_df%>%
  filter(Class==1)


v4_q25 <- quantile(v4_fraud$V4,0.25)
sprintf("kuartil 25 v4 adalah %g",v4_q25)
```

```
## [1] "kuartil 25 v4 adalah 2.35158"
```

```r
v4_q75 <- quantile(v4_fraud$V4,0.75)
sprintf("kuartil 75 v4 adalah %g",v4_q75)
```

```
## [1] "kuartil 75 v4 adalah 6.31302"
```

```r
v4_iqr <- v4_q75 - v4_q25
sprintf("Jarak Interkuartil v4 adalah %g",v4_iqr)
```

```
## [1] "Jarak Interkuartil v4 adalah 3.96143"
```

```r
v4_upper <- v4_q75 + v4_iqr*1.5
sprintf("V4 Upper : %g",v4_upper)
```

```
## [1] "V4 Upper : 12.2552"
```

```r
v4_lower <- v4_q25 - v4_iqr*1.5
sprintf("V4 Lower : %g",v4_lower)
```

```
## [1] "V4 Lower : -3.59057"
```

```r
outlier_v4 <- which(v4_fraud$V4<v4_lower|v4_fraud$V4>v4_upper)
data_outlier_v4 <- v4_fraud[outlier_v4,"V4"]
print(data_outlier_v4)
```

```
## numeric(0)
```

```r
length(data_outlier_v4)
```

```
## [1] 0
```

```r
#menghilangkan data outlier dari dataset
if(length(outlier_v4)>0){
  new_df <- new_df[-outlier_v4,]
} else print("Tidak ada data outlier")
```

```
## [1] "Tidak ada data outlier"
```

```r
##Mendapatkan nilai yg fraud di V11
v11_fraud <- new_df%>%
  filter(Class==1)


v11_q25 <- quantile(v11_fraud$V11,0.25)
sprintf("kuartil 25 v11 adalah %g",v11_q25)
```

```
## [1] "kuartil 25 v11 adalah 1.96515"
```

```r
v11_q75 <- quantile(v11_fraud$V11,0.75)
sprintf("kuartil 75 v11 adalah %g",v11_q75)
```

```
## [1] "kuartil 75 v11 adalah 5.2669"
```

```r
v11_iqr <- v11_q75 - v11_q25
sprintf("Jarak Interkuartil v11 adalah %g",v11_iqr)
```

```
## [1] "Jarak Interkuartil v11 adalah 3.30175"
```

```r
v11_upper <- v11_q75 + v11_iqr*1.5
sprintf("V11 Upper : %g",v11_upper)
```

```
## [1] "V11 Upper : 10.2195"
```

```r
v11_lower <- v11_q25 - v11_iqr*1.5
sprintf("V11 Lower : %g",v11_lower)
```

```
## [1] "V11 Lower : -2.98748"
```

```r
outlier_v11 <- which(v11_fraud$V11<v11_lower|v11_fraud$V11>v11_upper)
data_outlier_v11 <- v11_fraud[outlier_v11,"V11"]
print(data_outlier_v11)
```

```
## [1] 10.85301 10.44685 11.27792 11.15249 11.02706 10.54526 10.27777
```

```r
length(data_outlier_v11)
```

```
## [1] 7
```

```r
#menghilangkan data outlier dari dataset
if(length(outlier_v11)>0){
  new_df <- new_df[-outlier_v11,]
} else print("Tidak ada data outlier")


##Mendapatkan nilai yg fraud di V12
v12_fraud <- new_df%>%
  filter(Class==1)


v12_q25 <- quantile(v12_fraud$V12,0.25)
sprintf("kuartil 25 v12 adalah %g",v12_q25)
```

```
## [1] "kuartil 25 v12 adalah -8.57676"
```

```r
v12_q75 <- quantile(v12_fraud$V12,0.75)
sprintf("kuartil 75 v12 adalah %g",v12_q75)
```

```
## [1] "kuartil 75 v12 adalah -2.85428"
```

```r
v12_iqr <- v12_q75 - v12_q25
sprintf("Jarak Interkuartil v12 adalah %g",v12_iqr)
```

```
## [1] "Jarak Interkuartil v12 adalah 5.72249"
```

```r
v12_upper <- v12_q75 + v12_iqr*1.5
sprintf("V12 Upper : %g",v12_upper)
```

```
## [1] "V12 Upper : 5.72945"
```

```r
v12_lower <- v12_q25 - v12_iqr*1.5
sprintf("V12 Lower : %g",v12_lower)
```

```
## [1] "V12 Lower : -17.1605"
```

```r
outlier_v12 <- which(v12_fraud$V12<v12_lower|v12_fraud$V12>v12_upper)
data_outlier_v12 <- v12_fraud[outlier_v12,"V12"]
print(data_outlier_v12)
```

```
## [1] -18.04760 -18.68371 -18.55370 -18.43113 -17.18292 -17.18292
```

```r
length(data_outlier_v12)
```

```
## [1] 6
```

```r
#menghilangkan data outlier dari dataset
if(length(outlier_v12)>0){
  new_df <- new_df[-outlier_v12,]
} else print("Tidak ada data outlier")


##Mendapatkan nilai yg fraud di V10
v10_fraud <- new_df%>%
  filter(Class==1)


v10_q25 <- quantile(v10_fraud$V10,0.25)
sprintf("kuartil 25 v10 adalah %g",v10_q25)
```

```
## [1] "kuartil 25 v10 adalah -7.10147"
```

```r
v10_q75 <- quantile(v10_fraud$V10,0.75)
sprintf("kuartil 75 v10 adalah %g",v10_q75)
```

```
## [1] "kuartil 75 v10 adalah -2.47154"
```

```r
v10_iqr <- v10_q75 - v10_q25
sprintf("Jarak Interkuartil v10 adalah %g",v10_iqr)
```

```
## [1] "Jarak Interkuartil v10 adalah 4.62993"
```

```r
v10_upper <- v10_q75 + v10_iqr*1.5
sprintf("V10 Upper : %g",v10_upper)
```

```
## [1] "V10 Upper : 4.47335"
```

```r
v10_lower <- v10_q25 - v10_iqr*1.5
sprintf("V10 Lower : %g",v10_lower)
```

```
## [1] "V10 Lower : -14.0464"
```

```r
outlier_v10 <- which(v10_fraud$V10<v10_lower|v10_fraud$V10>v10_upper)
data_outlier_v10 <- v10_fraud[outlier_v10,"V10"]
print(data_outlier_v10)
```

```
##  [1] -14.67647 -15.12416 -14.22670 -14.11018 -14.55716 -16.64963 -18.27117
##  [8] -15.23996 -15.23996 -14.92465 -14.92465 -15.56379 -15.56379 -14.53316
## [15] -16.74604 -15.34610 -15.12375 -22.18709 -22.18709 -22.18709 -22.18709
## [22] -17.14151 -16.30354 -16.25561 -16.60120 -15.23183 -18.91324 -20.94919
## [29] -19.83615 -23.22825 -24.40318 -24.58826
```

```r
length(data_outlier_v10)
```

```
## [1] 32
```

```r
#menghilangkan data outlier dari dataset
if(length(outlier_v10)>0){
  new_df <- new_df[-outlier_v10,]
} else print("Tidak ada data outlier")


#mengubah variabel Class menjadi factor N= Non-fraud dan F= Frauds
new_df$Class <- factor(new_df$Class,levels = c(0,1),labels = c("N","F"))
```

# Membangun Model

## Membuat Hypertuning Parameter Obyek untuk Semua Model

```r
set.seed(50)
mycontrol <- trainControl(method = "cv",
                          number = 10,
                          summaryFunction = twoClassSummary,
                          classProbs = TRUE,
                          verboseIter = TRUE)
```

## Membuat Model untuk klasifikasi

Project ini menggunakan 5 algortima klasifikasi untuk dibandingkan hasil akhirnya, yaitu : Random Forest, glmnet atau logistic regression, Extreme Gradient Boost(XGBdart),Support Vector Machine(SVM), dan K Nearest Neighbor. Cross Validation juga dilakukan dengan jumlah fold = 10.

```r
#Membuat model dengan caret beserta cv

##membuat object hypertuning parameter
set.seed(50)
mycontrol <- trainControl(method = "cv",
                          number = 10,
                          summaryFunction = twoClassSummary,
                          classProbs = TRUE,
                          verboseIter = TRUE)

##membuat model klasifikasi dengan random forest
model_rf <- train( Class ~ .,
                   data = new_df,
                   tuneLength=3,
                   metric = "ROC",
                   method = "ranger",
                   trControl = mycontrol)
```

```
## + Fold01: mtry= 2, min.node.size=1, splitrule=gini
## - Fold01: mtry= 2, min.node.size=1, splitrule=gini
## + Fold01: mtry=16, min.node.size=1, splitrule=gini
## - Fold01: mtry=16, min.node.size=1, splitrule=gini
## + Fold01: mtry=30, min.node.size=1, splitrule=gini
## - Fold01: mtry=30, min.node.size=1, splitrule=gini
## + Fold01: mtry= 2, min.node.size=1, splitrule=extratrees
## - Fold01: mtry= 2, min.node.size=1, splitrule=extratrees
## + Fold01: mtry=16, min.node.size=1, splitrule=extratrees
## - Fold01: mtry=16, min.node.size=1, splitrule=extratrees
## + Fold01: mtry=30, min.node.size=1, splitrule=extratrees
## - Fold01: mtry=30, min.node.size=1, splitrule=extratrees
## + Fold02: mtry= 2, min.node.size=1, splitrule=gini
## - Fold02: mtry= 2, min.node.size=1, splitrule=gini
## + Fold02: mtry=16, min.node.size=1, splitrule=gini
## - Fold02: mtry=16, min.node.size=1, splitrule=gini
## + Fold02: mtry=30, min.node.size=1, splitrule=gini
## - Fold02: mtry=30, min.node.size=1, splitrule=gini
## + Fold02: mtry= 2, min.node.size=1, splitrule=extratrees
## - Fold02: mtry= 2, min.node.size=1, splitrule=extratrees
## + Fold02: mtry=16, min.node.size=1, splitrule=extratrees
## - Fold02: mtry=16, min.node.size=1, splitrule=extratrees
## + Fold02: mtry=30, min.node.size=1, splitrule=extratrees
## - Fold02: mtry=30, min.node.size=1, splitrule=extratrees
## + Fold03: mtry= 2, min.node.size=1, splitrule=gini
## - Fold03: mtry= 2, min.node.size=1, splitrule=gini
## + Fold03: mtry=16, min.node.size=1, splitrule=gini
## - Fold03: mtry=16, min.node.size=1, splitrule=gini
## + Fold03: mtry=30, min.node.size=1, splitrule=gini
## - Fold03: mtry=30, min.node.size=1, splitrule=gini
## + Fold03: mtry= 2, min.node.size=1, splitrule=extratrees
## - Fold03: mtry= 2, min.node.size=1, splitrule=extratrees
## + Fold03: mtry=16, min.node.size=1, splitrule=extratrees
## - Fold03: mtry=16, min.node.size=1, splitrule=extratrees
## + Fold03: mtry=30, min.node.size=1, splitrule=extratrees
## - Fold03: mtry=30, min.node.size=1, splitrule=extratrees
## + Fold04: mtry= 2, min.node.size=1, splitrule=gini
## - Fold04: mtry= 2, min.node.size=1, splitrule=gini
## + Fold04: mtry=16, min.node.size=1, splitrule=gini
## - Fold04: mtry=16, min.node.size=1, splitrule=gini
## + Fold04: mtry=30, min.node.size=1, splitrule=gini
## - Fold04: mtry=30, min.node.size=1, splitrule=gini
## + Fold04: mtry= 2, min.node.size=1, splitrule=extratrees
## - Fold04: mtry= 2, min.node.size=1, splitrule=extratrees
## + Fold04: mtry=16, min.node.size=1, splitrule=extratrees
## - Fold04: mtry=16, min.node.size=1, splitrule=extratrees
## + Fold04: mtry=30, min.node.size=1, splitrule=extratrees
## - Fold04: mtry=30, min.node.size=1, splitrule=extratrees
## + Fold05: mtry= 2, min.node.size=1, splitrule=gini
## - Fold05: mtry= 2, min.node.size=1, splitrule=gini
## + Fold05: mtry=16, min.node.size=1, splitrule=gini
## - Fold05: mtry=16, min.node.size=1, splitrule=gini
## + Fold05: mtry=30, min.node.size=1, splitrule=gini
## - Fold05: mtry=30, min.node.size=1, splitrule=gini
```

```
## + Fold05: mtry= 2, min.node.size=1, splitrule=extratrees
## - Fold05: mtry= 2, min.node.size=1, splitrule=extratrees
## + Fold05: mtry=16, min.node.size=1, splitrule=extratrees
## - Fold05: mtry=16, min.node.size=1, splitrule=extratrees
## + Fold05: mtry=30, min.node.size=1, splitrule=extratrees
## - Fold05: mtry=30, min.node.size=1, splitrule=extratrees
## + Fold06: mtry= 2, min.node.size=1, splitrule=gini
## - Fold06: mtry= 2, min.node.size=1, splitrule=gini
## + Fold06: mtry=16, min.node.size=1, splitrule=gini
## - Fold06: mtry=16, min.node.size=1, splitrule=gini
## + Fold06: mtry=30, min.node.size=1, splitrule=gini
## - Fold06: mtry=30, min.node.size=1, splitrule=gini
## + Fold06: mtry= 2, min.node.size=1, splitrule=extratrees
## - Fold06: mtry= 2, min.node.size=1, splitrule=extratrees
## + Fold06: mtry=16, min.node.size=1, splitrule=extratrees
## - Fold06: mtry=16, min.node.size=1, splitrule=extratrees
## + Fold06: mtry=30, min.node.size=1, splitrule=extratrees
## - Fold06: mtry=30, min.node.size=1, splitrule=extratrees
## + Fold07: mtry= 2, min.node.size=1, splitrule=gini
## - Fold07: mtry= 2, min.node.size=1, splitrule=gini
## + Fold07: mtry=16, min.node.size=1, splitrule=gini
## - Fold07: mtry=16, min.node.size=1, splitrule=gini
## + Fold07: mtry=30, min.node.size=1, splitrule=gini
## - Fold07: mtry=30, min.node.size=1, splitrule=gini
## + Fold07: mtry= 2, min.node.size=1, splitrule=extratrees
## - Fold07: mtry= 2, min.node.size=1, splitrule=extratrees
## + Fold07: mtry=16, min.node.size=1, splitrule=extratrees
## - Fold07: mtry=16, min.node.size=1, splitrule=extratrees
## + Fold07: mtry=30, min.node.size=1, splitrule=extratrees
## - Fold07: mtry=30, min.node.size=1, splitrule=extratrees
## + Fold08: mtry= 2, min.node.size=1, splitrule=gini
## - Fold08: mtry= 2, min.node.size=1, splitrule=gini
## + Fold08: mtry=16, min.node.size=1, splitrule=gini
## - Fold08: mtry=16, min.node.size=1, splitrule=gini
## + Fold08: mtry=30, min.node.size=1, splitrule=gini
## - Fold08: mtry=30, min.node.size=1, splitrule=gini
## + Fold08: mtry= 2, min.node.size=1, splitrule=extratrees
## - Fold08: mtry= 2, min.node.size=1, splitrule=extratrees
## + Fold08: mtry=16, min.node.size=1, splitrule=extratrees
## - Fold08: mtry=16, min.node.size=1, splitrule=extratrees
## + Fold08: mtry=30, min.node.size=1, splitrule=extratrees
## - Fold08: mtry=30, min.node.size=1, splitrule=extratrees
## + Fold09: mtry= 2, min.node.size=1, splitrule=gini
## - Fold09: mtry= 2, min.node.size=1, splitrule=gini
## + Fold09: mtry=16, min.node.size=1, splitrule=gini
## - Fold09: mtry=16, min.node.size=1, splitrule=gini
## + Fold09: mtry=30, min.node.size=1, splitrule=gini
## - Fold09: mtry=30, min.node.size=1, splitrule=gini
## + Fold09: mtry= 2, min.node.size=1, splitrule=extratrees
## - Fold09: mtry= 2, min.node.size=1, splitrule=extratrees
## + Fold09: mtry=16, min.node.size=1, splitrule=extratrees
## - Fold09: mtry=16, min.node.size=1, splitrule=extratrees
## + Fold09: mtry=30, min.node.size=1, splitrule=extratrees
## - Fold09: mtry=30, min.node.size=1, splitrule=extratrees
```

```
## + Fold10: mtry= 2, min.node.size=1, splitrule=gini
## - Fold10: mtry= 2, min.node.size=1, splitrule=gini
## + Fold10: mtry=16, min.node.size=1, splitrule=gini
## - Fold10: mtry=16, min.node.size=1, splitrule=gini
## + Fold10: mtry=30, min.node.size=1, splitrule=gini
## - Fold10: mtry=30, min.node.size=1, splitrule=gini
## + Fold10: mtry= 2, min.node.size=1, splitrule=extratrees
## - Fold10: mtry= 2, min.node.size=1, splitrule=extratrees
## + Fold10: mtry=16, min.node.size=1, splitrule=extratrees
## - Fold10: mtry=16, min.node.size=1, splitrule=extratrees
## + Fold10: mtry=30, min.node.size=1, splitrule=extratrees
## - Fold10: mtry=30, min.node.size=1, splitrule=extratrees
## Aggregating results
## Selecting tuning parameters
## Fitting mtry = 30, splitrule = extratrees, min.node.size = 1 on full training set
```

```r
print(model_rf)
```

```
## Random Forest
##
## 935 samples
##  30 predictor
##   2 classes: 'N', 'F'
##
## No pre-processing
## Resampling: Cross-Validated (10 fold)
## Summary of sample sizes: 841, 842, 841, 841, 842, 842, ...
## Resampling results across tuning parameters:
##
##   mtry  splitrule   ROC        Sens       Spec
##    2    gini        0.9774144  0.9796735  0.8799495
##    2    extratrees  0.9801792  0.9897959  0.8665657
##   16    gini        0.9792485  0.9614694  0.9003535
##   16    extratrees  0.9804884  0.9796735  0.8912626
##   30    gini        0.9790612  0.9635102  0.8935354
##   30    extratrees  0.9806969  0.9776735  0.8957576
##
## Tuning parameter 'min.node.size' was held constant at a value of 1
## ROC was used to select the optimal model using the largest value.
## The final values used for the model were mtry = 30, splitrule = extratrees
##  and min.node.size = 1.
```

```r
max(model_rf[["results"]][["ROC"]])
```

```
## [1] 0.9806969
```

```r
##membuat model klasifikasi dengan glmnet
model_glmnet <- train( Class ~ .,
                   data = new_df,
                   tuneLength=3,
                   metric = "ROC",
                   method = "glmnet",
                   trControl = mycontrol)
```

```
## + Fold01: alpha=0.10, lambda=0.07679
## - Fold01: alpha=0.10, lambda=0.07679
## + Fold01: alpha=0.55, lambda=0.07679
## - Fold01: alpha=0.55, lambda=0.07679
## + Fold01: alpha=1.00, lambda=0.07679
## - Fold01: alpha=1.00, lambda=0.07679
## + Fold02: alpha=0.10, lambda=0.07679
## - Fold02: alpha=0.10, lambda=0.07679
## + Fold02: alpha=0.55, lambda=0.07679
## - Fold02: alpha=0.55, lambda=0.07679
## + Fold02: alpha=1.00, lambda=0.07679
## - Fold02: alpha=1.00, lambda=0.07679
## + Fold03: alpha=0.10, lambda=0.07679
## - Fold03: alpha=0.10, lambda=0.07679
## + Fold03: alpha=0.55, lambda=0.07679
## - Fold03: alpha=0.55, lambda=0.07679
## + Fold03: alpha=1.00, lambda=0.07679
## - Fold03: alpha=1.00, lambda=0.07679
## + Fold04: alpha=0.10, lambda=0.07679
## - Fold04: alpha=0.10, lambda=0.07679
## + Fold04: alpha=0.55, lambda=0.07679
## - Fold04: alpha=0.55, lambda=0.07679
## + Fold04: alpha=1.00, lambda=0.07679
## - Fold04: alpha=1.00, lambda=0.07679
## + Fold05: alpha=0.10, lambda=0.07679
## - Fold05: alpha=0.10, lambda=0.07679
## + Fold05: alpha=0.55, lambda=0.07679
## - Fold05: alpha=0.55, lambda=0.07679
## + Fold05: alpha=1.00, lambda=0.07679
## - Fold05: alpha=1.00, lambda=0.07679
## + Fold06: alpha=0.10, lambda=0.07679
## - Fold06: alpha=0.10, lambda=0.07679
## + Fold06: alpha=0.55, lambda=0.07679
## - Fold06: alpha=0.55, lambda=0.07679
## + Fold06: alpha=1.00, lambda=0.07679
## - Fold06: alpha=1.00, lambda=0.07679
## + Fold07: alpha=0.10, lambda=0.07679
## - Fold07: alpha=0.10, lambda=0.07679
## + Fold07: alpha=0.55, lambda=0.07679
## - Fold07: alpha=0.55, lambda=0.07679
## + Fold07: alpha=1.00, lambda=0.07679
## - Fold07: alpha=1.00, lambda=0.07679
## + Fold08: alpha=0.10, lambda=0.07679
## - Fold08: alpha=0.10, lambda=0.07679
## + Fold08: alpha=0.55, lambda=0.07679
## - Fold08: alpha=0.55, lambda=0.07679
## + Fold08: alpha=1.00, lambda=0.07679
## - Fold08: alpha=1.00, lambda=0.07679
## + Fold09: alpha=0.10, lambda=0.07679
## - Fold09: alpha=0.10, lambda=0.07679
## + Fold09: alpha=0.55, lambda=0.07679
## - Fold09: alpha=0.55, lambda=0.07679
## + Fold09: alpha=1.00, lambda=0.07679
## - Fold09: alpha=1.00, lambda=0.07679
```

```
## + Fold10: alpha=0.10, lambda=0.07679
## - Fold10: alpha=0.10, lambda=0.07679
## + Fold10: alpha=0.55, lambda=0.07679
## - Fold10: alpha=0.55, lambda=0.07679
## + Fold10: alpha=1.00, lambda=0.07679
## - Fold10: alpha=1.00, lambda=0.07679
## Aggregating results
## Selecting tuning parameters
## Fitting alpha = 0.1, lambda = 0.0768 on full training set
```

```r
print(model_glmnet)
```

```
## glmnet
##
## 935 samples
##  30 predictor
##   2 classes: 'N', 'F'
##
## No pre-processing
## Resampling: Cross-Validated (10 fold)
## Summary of sample sizes: 842, 841, 840, 842, 842, 841, ...
## Resampling results across tuning parameters:
##
##   alpha  lambda        ROC        Sens       Spec
##   0.10   0.0007678963  0.9756767  0.9816735  0.9078788
##   0.10   0.0076789629  0.9782398  0.9837143  0.8854545
##   0.10   0.0767896290  0.9795788  1.0000000  0.8379293
##   0.55   0.0007678963  0.9760417  0.9816735  0.9078788
##   0.55   0.0076789629  0.9781154  0.9796735  0.8899495
##   0.55   0.0767896290  0.9735616  0.9959184  0.8447980
##   1.00   0.0007678963  0.9764418  0.9796735  0.9123232
##   1.00   0.0076789629  0.9767506  0.9817143  0.8876768
##   1.00   0.0767896290  0.9685201  0.9959184  0.8380808
##
## ROC was used to select the optimal model using the largest value.
## The final values used for the model were alpha = 0.1 and lambda = 0.07678963.
```

```r
max(model_glmnet[["results"]][["ROC"]])
```

```
## [1] 0.9795788
```

```r
##membuat model klasifikasi dengan xgbDart
model_xgbdart <- train( Class ~ .,
                       data = new_df,
                       tuneLength=3,
                       metric = "ROC",
                       method = "xgbDART",
                       trControl = mycontrol)
```

```
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
```

```
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
```

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## - Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
```

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## - Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
```

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## - Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
```

```
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
```

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## - Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold01: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
```

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## - Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold02: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
```

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## - Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
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## - Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
```

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## - Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
```

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## - Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold02: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
```

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## - Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
```

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## - Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
```

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## - Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
```

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## - Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
```

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## - Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
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## + Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
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## - Fold03: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
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## - Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
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## + Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold03: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
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## - Fold04: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
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## - Fold04: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
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## + Fold04: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
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## + Fold04: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
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## + Fold04: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
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## + Fold04: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
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## - Fold04: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
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## - Fold04: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
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## - Fold04: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
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## + Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
```

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## - Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
```

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## - Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
```

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## - Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
```

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## - Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold04: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
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## - Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
```

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## - Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
```

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## - Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
```

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## - Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
```

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## - Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold05: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
```

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## - Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
```

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## - Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold06: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
```

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## - Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
```

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## - Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
```

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## - Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold06: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
```

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## - Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
```

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## - Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
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## - Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
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## + Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
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## - Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
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## + Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
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## + Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
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## - Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
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## - Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
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## - Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
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## - Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold07: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
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## - Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
```

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## - Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold08: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold08: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
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## - Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
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## - Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
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## - Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold08: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
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## - Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
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## - Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
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## + Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
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## - Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
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## - Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
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## + Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
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## - Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold09: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
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## + Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
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## + Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
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## - Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
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## + Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
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## + Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
```

```
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold09: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
```

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## - Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=1, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
```

```
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## - Fold10: max_depth=1, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00,
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50,
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75,
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00,
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50,
```

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## - Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## - Fold10: max_depth=2, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, 
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, 
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, 
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, 
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, 
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, 
```

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## - Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=2, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
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## - Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.3, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.01, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
```

```
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.05, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.50, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=0.75, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## + Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## - Fold10: max_depth=3, eta=0.4, rate_drop=0.50, skip_drop=0.95, min_child_weight=1, subsample=1.00, c
## Aggregating results
## Selecting tuning parameters
## Fitting nrounds = 50, max_depth = 2, eta = 0.3, gamma = 0, subsample = 1, colsample_bytree = 0.6, ra
```

```r
print(model_xgbdart)
```

```
## eXtreme Gradient Boosting
##
## 935 samples
##  30 predictor
##   2 classes: 'N', 'F'
##
## No pre-processing
## Resampling: Cross-Validated (10 fold)
## Summary of sample sizes: 840, 842, 842, 841, 842, 841, ...
## Resampling results across tuning parameters:
##
##   max_depth  eta  rate_drop  skip_drop  subsample  colsample_bytree  nrounds
##   1          0.3  0.01       0.05       0.50       0.6                50
##   1          0.3  0.01       0.05       0.50       0.6               100
##   1          0.3  0.01       0.05       0.50       0.6               150
##   1          0.3  0.01       0.05       0.50       0.8                50
##   1          0.3  0.01       0.05       0.50       0.8               100
##   1          0.3  0.01       0.05       0.50       0.8               150
##   1          0.3  0.01       0.05       0.75       0.6                50
##   1          0.3  0.01       0.05       0.75       0.6               100
##   1          0.3  0.01       0.05       0.75       0.6               150
##   1          0.3  0.01       0.05       0.75       0.8                50
##   1          0.3  0.01       0.05       0.75       0.8               100
##   1          0.3  0.01       0.05       0.75       0.8               150
##   1          0.3  0.01       0.05       1.00       0.6                50
##   1          0.3  0.01       0.05       1.00       0.6               100
##   1          0.3  0.01       0.05       1.00       0.6               150
##   1          0.3  0.01       0.05       1.00       0.8                50
##   1          0.3  0.01       0.05       1.00       0.8               100
##   1          0.3  0.01       0.05       1.00       0.8               150
##   1          0.3  0.01       0.95       0.50       0.6                50
##   1          0.3  0.01       0.95       0.50       0.6               100
##   1          0.3  0.01       0.95       0.50       0.6               150
```

```
## 1       0.3 0.01      0.95      0.50      0.8              50
## 1       0.3 0.01      0.95      0.50      0.8             100
## 1       0.3 0.01      0.95      0.50      0.8             150
## 1       0.3 0.01      0.95      0.75      0.6              50
## 1       0.3 0.01      0.95      0.75      0.6             100
## 1       0.3 0.01      0.95      0.75      0.6             150
## 1       0.3 0.01      0.95      0.75      0.8              50
## 1       0.3 0.01      0.95      0.75      0.8             100
## 1       0.3 0.01      0.95      0.75      0.8             150
## 1       0.3 0.01      0.95      1.00      0.6              50
## 1       0.3 0.01      0.95      1.00      0.6             100
## 1       0.3 0.01      0.95      1.00      0.6             150
## 1       0.3 0.01      0.95      1.00      0.8              50
## 1       0.3 0.01      0.95      1.00      0.8             100
## 1       0.3 0.01      0.95      1.00      0.8             150
## 1       0.3 0.50      0.05      0.50      0.6              50
## 1       0.3 0.50      0.05      0.50      0.6             100
## 1       0.3 0.50      0.05      0.50      0.6             150
## 1       0.3 0.50      0.05      0.50      0.8              50
## 1       0.3 0.50      0.05      0.50      0.8             100
## 1       0.3 0.50      0.05      0.50      0.8             150
## 1       0.3 0.50      0.05      0.75      0.6              50
## 1       0.3 0.50      0.05      0.75      0.6             100
## 1       0.3 0.50      0.05      0.75      0.6             150
## 1       0.3 0.50      0.05      0.75      0.8              50
## 1       0.3 0.50      0.05      0.75      0.8             100
## 1       0.3 0.50      0.05      0.75      0.8             150
## 1       0.3 0.50      0.05      1.00      0.6              50
## 1       0.3 0.50      0.05      1.00      0.6             100
## 1       0.3 0.50      0.05      1.00      0.6             150
## 1       0.3 0.50      0.05      1.00      0.8              50
## 1       0.3 0.50      0.05      1.00      0.8             100
## 1       0.3 0.50      0.05      1.00      0.8             150
## 1       0.3 0.50      0.95      0.50      0.6              50
## 1       0.3 0.50      0.95      0.50      0.6             100
## 1       0.3 0.50      0.95      0.50      0.6             150
## 1       0.3 0.50      0.95      0.50      0.8              50
## 1       0.3 0.50      0.95      0.50      0.8             100
## 1       0.3 0.50      0.95      0.50      0.8             150
## 1       0.3 0.50      0.95      0.75      0.6              50
## 1       0.3 0.50      0.95      0.75      0.6             100
## 1       0.3 0.50      0.95      0.75      0.6             150
## 1       0.3 0.50      0.95      0.75      0.8              50
## 1       0.3 0.50      0.95      0.75      0.8             100
## 1       0.3 0.50      0.95      0.75      0.8             150
## 1       0.3 0.50      0.95      1.00      0.6              50
## 1       0.3 0.50      0.95      1.00      0.6             100
## 1       0.3 0.50      0.95      1.00      0.6             150
## 1       0.3 0.50      0.95      1.00      0.8              50
## 1       0.3 0.50      0.95      1.00      0.8             100
## 1       0.3 0.50      0.95      1.00      0.8             150
## 1       0.4 0.01      0.05      0.50      0.6              50
## 1       0.4 0.01      0.05      0.50      0.6             100
## 1       0.4 0.01      0.05      0.50      0.6             150
```

```
##   1            0.4  0.01        0.05        0.50        0.8                 50
##   1            0.4  0.01        0.05        0.50        0.8                100
##   1            0.4  0.01        0.05        0.50        0.8                150
##   1            0.4  0.01        0.05        0.75        0.6                 50
##   1            0.4  0.01        0.05        0.75        0.6                100
##   1            0.4  0.01        0.05        0.75        0.6                150
##   1            0.4  0.01        0.05        0.75        0.8                 50
##   1            0.4  0.01        0.05        0.75        0.8                100
##   1            0.4  0.01        0.05        0.75        0.8                150
##   1            0.4  0.01        0.05        1.00        0.6                 50
##   1            0.4  0.01        0.05        1.00        0.6                100
##   1            0.4  0.01        0.05        1.00        0.6                150
##   1            0.4  0.01        0.05        1.00        0.8                 50
##   1            0.4  0.01        0.05        1.00        0.8                100
##   1            0.4  0.01        0.05        1.00        0.8                150
##   1            0.4  0.01        0.95        0.50        0.6                 50
##   1            0.4  0.01        0.95        0.50        0.6                100
##   1            0.4  0.01        0.95        0.50        0.6                150
##   1            0.4  0.01        0.95        0.50        0.8                 50
##   1            0.4  0.01        0.95        0.50        0.8                100
##   1            0.4  0.01        0.95        0.50        0.8                150
##   1            0.4  0.01        0.95        0.75        0.6                 50
##   1            0.4  0.01        0.95        0.75        0.6                100
##   1            0.4  0.01        0.95        0.75        0.6                150
##   1            0.4  0.01        0.95        0.75        0.8                 50
##   1            0.4  0.01        0.95        0.75        0.8                100
##   1            0.4  0.01        0.95        0.75        0.8                150
##   1            0.4  0.01        0.95        1.00        0.6                 50
##   1            0.4  0.01        0.95        1.00        0.6                100
##   1            0.4  0.01        0.95        1.00        0.6                150
##   1            0.4  0.01        0.95        1.00        0.8                 50
##   1            0.4  0.01        0.95        1.00        0.8                100
##   1            0.4  0.01        0.95        1.00        0.8                150
##   1            0.4  0.50        0.05        0.50        0.6                 50
##   1            0.4  0.50        0.05        0.50        0.6                100
##   1            0.4  0.50        0.05        0.50        0.6                150
##   1            0.4  0.50        0.05        0.50        0.8                 50
##   1            0.4  0.50        0.05        0.50        0.8                100
##   1            0.4  0.50        0.05        0.50        0.8                150
##   1            0.4  0.50        0.05        0.75        0.6                 50
##   1            0.4  0.50        0.05        0.75        0.6                100
##   1            0.4  0.50        0.05        0.75        0.6                150
##   1            0.4  0.50        0.05        0.75        0.8                 50
##   1            0.4  0.50        0.05        0.75        0.8                100
##   1            0.4  0.50        0.05        0.75        0.8                150
##   1            0.4  0.50        0.05        1.00        0.6                 50
##   1            0.4  0.50        0.05        1.00        0.6                100
##   1            0.4  0.50        0.05        1.00        0.6                150
##   1            0.4  0.50        0.05        1.00        0.8                 50
##   1            0.4  0.50        0.05        1.00        0.8                100
##   1            0.4  0.50        0.05        1.00        0.8                150
##   1            0.4  0.50        0.95        0.50        0.6                 50
##   1            0.4  0.50        0.95        0.50        0.6                100
##   1            0.4  0.50        0.95        0.50        0.6                150
```

```
##    1           0.4  0.50         0.95         0.50         0.8                  50
##    1           0.4  0.50         0.95         0.50         0.8                 100
##    1           0.4  0.50         0.95         0.50         0.8                 150
##    1           0.4  0.50         0.95         0.75         0.6                  50
##    1           0.4  0.50         0.95         0.75         0.6                 100
##    1           0.4  0.50         0.95         0.75         0.6                 150
##    1           0.4  0.50         0.95         0.75         0.8                  50
##    1           0.4  0.50         0.95         0.75         0.8                 100
##    1           0.4  0.50         0.95         0.75         0.8                 150
##    1           0.4  0.50         0.95         1.00         0.6                  50
##    1           0.4  0.50         0.95         1.00         0.6                 100
##    1           0.4  0.50         0.95         1.00         0.6                 150
##    1           0.4  0.50         0.95         1.00         0.8                  50
##    1           0.4  0.50         0.95         1.00         0.8                 100
##    1           0.4  0.50         0.95         1.00         0.8                 150
##    2           0.3  0.01         0.05         0.50         0.6                  50
##    2           0.3  0.01         0.05         0.50         0.6                 100
##    2           0.3  0.01         0.05         0.50         0.6                 150
##    2           0.3  0.01         0.05         0.50         0.8                  50
##    2           0.3  0.01         0.05         0.50         0.8                 100
##    2           0.3  0.01         0.05         0.50         0.8                 150
##    2           0.3  0.01         0.05         0.75         0.6                  50
##    2           0.3  0.01         0.05         0.75         0.6                 100
##    2           0.3  0.01         0.05         0.75         0.6                 150
##    2           0.3  0.01         0.05         0.75         0.8                  50
##    2           0.3  0.01         0.05         0.75         0.8                 100
##    2           0.3  0.01         0.05         0.75         0.8                 150
##    2           0.3  0.01         0.05         1.00         0.6                  50
##    2           0.3  0.01         0.05         1.00         0.6                 100
##    2           0.3  0.01         0.05         1.00         0.6                 150
##    2           0.3  0.01         0.05         1.00         0.8                  50
##    2           0.3  0.01         0.05         1.00         0.8                 100
##    2           0.3  0.01         0.05         1.00         0.8                 150
##    2           0.3  0.01         0.95         0.50         0.6                  50
##    2           0.3  0.01         0.95         0.50         0.6                 100
##    2           0.3  0.01         0.95         0.50         0.6                 150
##    2           0.3  0.01         0.95         0.50         0.8                  50
##    2           0.3  0.01         0.95         0.50         0.8                 100
##    2           0.3  0.01         0.95         0.50         0.8                 150
##    2           0.3  0.01         0.95         0.75         0.6                  50
##    2           0.3  0.01         0.95         0.75         0.6                 100
##    2           0.3  0.01         0.95         0.75         0.6                 150
##    2           0.3  0.01         0.95         0.75         0.8                  50
##    2           0.3  0.01         0.95         0.75         0.8                 100
##    2           0.3  0.01         0.95         0.75         0.8                 150
##    2           0.3  0.01         0.95         1.00         0.6                  50
##    2           0.3  0.01         0.95         1.00         0.6                 100
##    2           0.3  0.01         0.95         1.00         0.6                 150
##    2           0.3  0.01         0.95         1.00         0.8                  50
##    2           0.3  0.01         0.95         1.00         0.8                 100
##    2           0.3  0.01         0.95         1.00         0.8                 150
##    2           0.3  0.50         0.05         0.50         0.6                  50
##    2           0.3  0.50         0.05         0.50         0.6                 100
##    2           0.3  0.50         0.05         0.50         0.6                 150
```

```
##   2           0.3  0.50        0.05        0.50        0.8               50
##   2           0.3  0.50        0.05        0.50        0.8              100
##   2           0.3  0.50        0.05        0.50        0.8              150
##   2           0.3  0.50        0.05        0.75        0.6               50
##   2           0.3  0.50        0.05        0.75        0.6              100
##   2           0.3  0.50        0.05        0.75        0.6              150
##   2           0.3  0.50        0.05        0.75        0.8               50
##   2           0.3  0.50        0.05        0.75        0.8              100
##   2           0.3  0.50        0.05        0.75        0.8              150
##   2           0.3  0.50        0.05        1.00        0.6               50
##   2           0.3  0.50        0.05        1.00        0.6              100
##   2           0.3  0.50        0.05        1.00        0.6              150
##   2           0.3  0.50        0.05        1.00        0.8               50
##   2           0.3  0.50        0.05        1.00        0.8              100
##   2           0.3  0.50        0.05        1.00        0.8              150
##   2           0.3  0.50        0.95        0.50        0.6               50
##   2           0.3  0.50        0.95        0.50        0.6              100
##   2           0.3  0.50        0.95        0.50        0.6              150
##   2           0.3  0.50        0.95        0.50        0.8               50
##   2           0.3  0.50        0.95        0.50        0.8              100
##   2           0.3  0.50        0.95        0.50        0.8              150
##   2           0.3  0.50        0.95        0.75        0.6               50
##   2           0.3  0.50        0.95        0.75        0.6              100
##   2           0.3  0.50        0.95        0.75        0.6              150
##   2           0.3  0.50        0.95        0.75        0.8               50
##   2           0.3  0.50        0.95        0.75        0.8              100
##   2           0.3  0.50        0.95        0.75        0.8              150
##   2           0.3  0.50        0.95        1.00        0.6               50
##   2           0.3  0.50        0.95        1.00        0.6              100
##   2           0.3  0.50        0.95        1.00        0.6              150
##   2           0.3  0.50        0.95        1.00        0.8               50
##   2           0.3  0.50        0.95        1.00        0.8              100
##   2           0.3  0.50        0.95        1.00        0.8              150
##   2           0.4  0.01        0.05        0.50        0.6               50
##   2           0.4  0.01        0.05        0.50        0.6              100
##   2           0.4  0.01        0.05        0.50        0.6              150
##   2           0.4  0.01        0.05        0.50        0.8               50
##   2           0.4  0.01        0.05        0.50        0.8              100
##   2           0.4  0.01        0.05        0.50        0.8              150
##   2           0.4  0.01        0.05        0.75        0.6               50
##   2           0.4  0.01        0.05        0.75        0.6              100
##   2           0.4  0.01        0.05        0.75        0.6              150
##   2           0.4  0.01        0.05        0.75        0.8               50
##   2           0.4  0.01        0.05        0.75        0.8              100
##   2           0.4  0.01        0.05        0.75        0.8              150
##   2           0.4  0.01        0.05        1.00        0.6               50
##   2           0.4  0.01        0.05        1.00        0.6              100
##   2           0.4  0.01        0.05        1.00        0.6              150
##   2           0.4  0.01        0.05        1.00        0.8               50
##   2           0.4  0.01        0.05        1.00        0.8              100
##   2           0.4  0.01        0.05        1.00        0.8              150
##   2           0.4  0.01        0.95        0.50        0.6               50
##   2           0.4  0.01        0.95        0.50        0.6              100
##   2           0.4  0.01        0.95        0.50        0.6              150
```

```
##   2           0.4  0.01       0.95       0.50       0.8              50
##   2           0.4  0.01       0.95       0.50       0.8             100
##   2           0.4  0.01       0.95       0.50       0.8             150
##   2           0.4  0.01       0.95       0.75       0.6              50
##   2           0.4  0.01       0.95       0.75       0.6             100
##   2           0.4  0.01       0.95       0.75       0.6             150
##   2           0.4  0.01       0.95       0.75       0.8              50
##   2           0.4  0.01       0.95       0.75       0.8             100
##   2           0.4  0.01       0.95       0.75       0.8             150
##   2           0.4  0.01       0.95       1.00       0.6              50
##   2           0.4  0.01       0.95       1.00       0.6             100
##   2           0.4  0.01       0.95       1.00       0.6             150
##   2           0.4  0.01       0.95       1.00       0.8              50
##   2           0.4  0.01       0.95       1.00       0.8             100
##   2           0.4  0.01       0.95       1.00       0.8             150
##   2           0.4  0.50       0.05       0.50       0.6              50
##   2           0.4  0.50       0.05       0.50       0.6             100
##   2           0.4  0.50       0.05       0.50       0.6             150
##   2           0.4  0.50       0.05       0.50       0.8              50
##   2           0.4  0.50       0.05       0.50       0.8             100
##   2           0.4  0.50       0.05       0.50       0.8             150
##   2           0.4  0.50       0.05       0.75       0.6              50
##   2           0.4  0.50       0.05       0.75       0.6             100
##   2           0.4  0.50       0.05       0.75       0.6             150
##   2           0.4  0.50       0.05       0.75       0.8              50
##   2           0.4  0.50       0.05       0.75       0.8             100
##   2           0.4  0.50       0.05       0.75       0.8             150
##   2           0.4  0.50       0.05       1.00       0.6              50
##   2           0.4  0.50       0.05       1.00       0.6             100
##   2           0.4  0.50       0.05       1.00       0.6             150
##   2           0.4  0.50       0.05       1.00       0.8              50
##   2           0.4  0.50       0.05       1.00       0.8             100
##   2           0.4  0.50       0.05       1.00       0.8             150
##   2           0.4  0.50       0.95       0.50       0.6              50
##   2           0.4  0.50       0.95       0.50       0.6             100
##   2           0.4  0.50       0.95       0.50       0.6             150
##   2           0.4  0.50       0.95       0.50       0.8              50
##   2           0.4  0.50       0.95       0.50       0.8             100
##   2           0.4  0.50       0.95       0.50       0.8             150
##   2           0.4  0.50       0.95       0.75       0.6              50
##   2           0.4  0.50       0.95       0.75       0.6             100
##   2           0.4  0.50       0.95       0.75       0.6             150
##   2           0.4  0.50       0.95       0.75       0.8              50
##   2           0.4  0.50       0.95       0.75       0.8             100
##   2           0.4  0.50       0.95       0.75       0.8             150
##   2           0.4  0.50       0.95       1.00       0.6              50
##   2           0.4  0.50       0.95       1.00       0.6             100
##   2           0.4  0.50       0.95       1.00       0.6             150
##   2           0.4  0.50       0.95       1.00       0.8              50
##   2           0.4  0.50       0.95       1.00       0.8             100
##   2           0.4  0.50       0.95       1.00       0.8             150
##   3           0.3  0.01       0.05       0.50       0.6              50
##   3           0.3  0.01       0.05       0.50       0.6             100
##   3           0.3  0.01       0.05       0.50       0.6             150
```

```
##   3          0.3  0.01       0.05       0.50       0.8               50
##   3          0.3  0.01       0.05       0.50       0.8              100
##   3          0.3  0.01       0.05       0.50       0.8              150
##   3          0.3  0.01       0.05       0.75       0.6               50
##   3          0.3  0.01       0.05       0.75       0.6              100
##   3          0.3  0.01       0.05       0.75       0.6              150
##   3          0.3  0.01       0.05       0.75       0.8               50
##   3          0.3  0.01       0.05       0.75       0.8              100
##   3          0.3  0.01       0.05       0.75       0.8              150
##   3          0.3  0.01       0.05       1.00       0.6               50
##   3          0.3  0.01       0.05       1.00       0.6              100
##   3          0.3  0.01       0.05       1.00       0.6              150
##   3          0.3  0.01       0.05       1.00       0.8               50
##   3          0.3  0.01       0.05       1.00       0.8              100
##   3          0.3  0.01       0.05       1.00       0.8              150
##   3          0.3  0.01       0.95       0.50       0.6               50
##   3          0.3  0.01       0.95       0.50       0.6              100
##   3          0.3  0.01       0.95       0.50       0.6              150
##   3          0.3  0.01       0.95       0.50       0.8               50
##   3          0.3  0.01       0.95       0.50       0.8              100
##   3          0.3  0.01       0.95       0.50       0.8              150
##   3          0.3  0.01       0.95       0.75       0.6               50
##   3          0.3  0.01       0.95       0.75       0.6              100
##   3          0.3  0.01       0.95       0.75       0.6              150
##   3          0.3  0.01       0.95       0.75       0.8               50
##   3          0.3  0.01       0.95       0.75       0.8              100
##   3          0.3  0.01       0.95       0.75       0.8              150
##   3          0.3  0.01       0.95       1.00       0.6               50
##   3          0.3  0.01       0.95       1.00       0.6              100
##   3          0.3  0.01       0.95       1.00       0.6              150
##   3          0.3  0.01       0.95       1.00       0.8               50
##   3          0.3  0.01       0.95       1.00       0.8              100
##   3          0.3  0.01       0.95       1.00       0.8              150
##   3          0.3  0.50       0.05       0.50       0.6               50
##   3          0.3  0.50       0.05       0.50       0.6              100
##   3          0.3  0.50       0.05       0.50       0.6              150
##   3          0.3  0.50       0.05       0.50       0.8               50
##   3          0.3  0.50       0.05       0.50       0.8              100
##   3          0.3  0.50       0.05       0.50       0.8              150
##   3          0.3  0.50       0.05       0.75       0.6               50
##   3          0.3  0.50       0.05       0.75       0.6              100
##   3          0.3  0.50       0.05       0.75       0.6              150
##   3          0.3  0.50       0.05       0.75       0.8               50
##   3          0.3  0.50       0.05       0.75       0.8              100
##   3          0.3  0.50       0.05       0.75       0.8              150
##   3          0.3  0.50       0.05       1.00       0.6               50
##   3          0.3  0.50       0.05       1.00       0.6              100
##   3          0.3  0.50       0.05       1.00       0.6              150
##   3          0.3  0.50       0.05       1.00       0.8               50
##   3          0.3  0.50       0.05       1.00       0.8              100
##   3          0.3  0.50       0.05       1.00       0.8              150
##   3          0.3  0.50       0.95       0.50       0.6               50
##   3          0.3  0.50       0.95       0.50       0.6              100
##   3          0.3  0.50       0.95       0.50       0.6              150
```

```
##   3           0.3  0.50       0.95       0.50       0.8                 50
##   3           0.3  0.50       0.95       0.50       0.8                100
##   3           0.3  0.50       0.95       0.50       0.8                150
##   3           0.3  0.50       0.95       0.75       0.6                 50
##   3           0.3  0.50       0.95       0.75       0.6                100
##   3           0.3  0.50       0.95       0.75       0.6                150
##   3           0.3  0.50       0.95       0.75       0.8                 50
##   3           0.3  0.50       0.95       0.75       0.8                100
##   3           0.3  0.50       0.95       0.75       0.8                150
##   3           0.3  0.50       0.95       1.00       0.6                 50
##   3           0.3  0.50       0.95       1.00       0.6                100
##   3           0.3  0.50       0.95       1.00       0.6                150
##   3           0.3  0.50       0.95       1.00       0.8                 50
##   3           0.3  0.50       0.95       1.00       0.8                100
##   3           0.3  0.50       0.95       1.00       0.8                150
##   3           0.4  0.01       0.05       0.50       0.6                 50
##   3           0.4  0.01       0.05       0.50       0.6                100
##   3           0.4  0.01       0.05       0.50       0.6                150
##   3           0.4  0.01       0.05       0.50       0.8                 50
##   3           0.4  0.01       0.05       0.50       0.8                100
##   3           0.4  0.01       0.05       0.50       0.8                150
##   3           0.4  0.01       0.05       0.75       0.6                 50
##   3           0.4  0.01       0.05       0.75       0.6                100
##   3           0.4  0.01       0.05       0.75       0.6                150
##   3           0.4  0.01       0.05       0.75       0.8                 50
##   3           0.4  0.01       0.05       0.75       0.8                100
##   3           0.4  0.01       0.05       0.75       0.8                150
##   3           0.4  0.01       0.05       1.00       0.6                 50
##   3           0.4  0.01       0.05       1.00       0.6                100
##   3           0.4  0.01       0.05       1.00       0.6                150
##   3           0.4  0.01       0.05       1.00       0.8                 50
##   3           0.4  0.01       0.05       1.00       0.8                100
##   3           0.4  0.01       0.05       1.00       0.8                150
##   3           0.4  0.01       0.95       0.50       0.6                 50
##   3           0.4  0.01       0.95       0.50       0.6                100
##   3           0.4  0.01       0.95       0.50       0.6                150
##   3           0.4  0.01       0.95       0.50       0.8                 50
##   3           0.4  0.01       0.95       0.50       0.8                100
##   3           0.4  0.01       0.95       0.50       0.8                150
##   3           0.4  0.01       0.95       0.75       0.6                 50
##   3           0.4  0.01       0.95       0.75       0.6                100
##   3           0.4  0.01       0.95       0.75       0.6                150
##   3           0.4  0.01       0.95       0.75       0.8                 50
##   3           0.4  0.01       0.95       0.75       0.8                100
##   3           0.4  0.01       0.95       0.75       0.8                150
##   3           0.4  0.01       0.95       1.00       0.6                 50
##   3           0.4  0.01       0.95       1.00       0.6                100
##   3           0.4  0.01       0.95       1.00       0.6                150
##   3           0.4  0.01       0.95       1.00       0.8                 50
##   3           0.4  0.01       0.95       1.00       0.8                100
##   3           0.4  0.01       0.95       1.00       0.8                150
##   3           0.4  0.50       0.05       0.50       0.6                 50
##   3           0.4  0.50       0.05       0.50       0.6                100
##   3           0.4  0.50       0.05       0.50       0.6                150
```

```
##   3          0.4  0.50        0.05        0.50        0.8                 50
##   3          0.4  0.50        0.05        0.50        0.8                100
##   3          0.4  0.50        0.05        0.50        0.8                150
##   3          0.4  0.50        0.05        0.75        0.6                 50
##   3          0.4  0.50        0.05        0.75        0.6                100
##   3          0.4  0.50        0.05        0.75        0.6                150
##   3          0.4  0.50        0.05        0.75        0.8                 50
##   3          0.4  0.50        0.05        0.75        0.8                100
##   3          0.4  0.50        0.05        0.75        0.8                150
##   3          0.4  0.50        0.05        1.00        0.6                 50
##   3          0.4  0.50        0.05        1.00        0.6                100
##   3          0.4  0.50        0.05        1.00        0.6                150
##   3          0.4  0.50        0.05        1.00        0.8                 50
##   3          0.4  0.50        0.05        1.00        0.8                100
##   3          0.4  0.50        0.05        1.00        0.8                150
##   3          0.4  0.50        0.95        0.50        0.6                 50
##   3          0.4  0.50        0.95        0.50        0.6                100
##   3          0.4  0.50        0.95        0.50        0.6                150
##   3          0.4  0.50        0.95        0.50        0.8                 50
##   3          0.4  0.50        0.95        0.50        0.8                100
##   3          0.4  0.50        0.95        0.50        0.8                150
##   3          0.4  0.50        0.95        0.75        0.6                 50
##   3          0.4  0.50        0.95        0.75        0.6                100
##   3          0.4  0.50        0.95        0.75        0.6                150
##   3          0.4  0.50        0.95        0.75        0.8                 50
##   3          0.4  0.50        0.95        0.75        0.8                100
##   3          0.4  0.50        0.95        0.75        0.8                150
##   3          0.4  0.50        0.95        1.00        0.6                 50
##   3          0.4  0.50        0.95        1.00        0.6                100
##   3          0.4  0.50        0.95        1.00        0.6                150
##   3          0.4  0.50        0.95        1.00        0.8                 50
##   3          0.4  0.50        0.95        1.00        0.8                100
##   3          0.4  0.50        0.95        1.00        0.8                150
##   ROC        Sens       Spec
##   0.9756693  0.9695510  0.9007576
##   0.9788786  0.9695510  0.9053535
##   0.9769995  0.9716327  0.9053535
##   0.9786650  0.9715510  0.9029798
##   0.9814711  0.9695102  0.9030303
##   0.9810430  0.9654286  0.9142929
##   0.9794199  0.9755918  0.9008081
##   0.9811665  0.9735918  0.9008081
##   0.9807137  0.9715102  0.8963131
##   0.9812099  0.9735918  0.9052525
##   0.9820987  0.9695510  0.9098485
##   0.9799269  0.9735918  0.9030808
##   0.9808652  0.9797143  0.8962626
##   0.9811720  0.9715510  0.8985354
##   0.9808540  0.9735918  0.8985354
##   0.9809857  0.9736327  0.9008081
##   0.9822816  0.9735918  0.9053030
##   0.9804981  0.9756327  0.8985354
##   0.9772551  0.9655102  0.9008081
##   0.9777101  0.9797143  0.9075758
```

```
## 0.9782401 0.9777143 0.9076263
## 0.9777362 0.9674694 0.9007576
## 0.9786379 0.9695510 0.9053030
## 0.9770167 0.9614286 0.9053030
## 0.9809024 0.9756327 0.8962626
## 0.9804510 0.9735918 0.9075758
## 0.9780095 0.9715918 0.9053535
## 0.9821011 0.9736327 0.9030303
## 0.9798764 0.9735918 0.9075758
## 0.9799538 0.9735918 0.9053030
## 0.9801459 0.9817551 0.8940404
## 0.9803502 0.9756327 0.9008081
## 0.9796966 0.9756327 0.9008586
## 0.9816179 0.9776735 0.9008081
## 0.9805859 0.9756327 0.9008081
## 0.9798868 0.9735918 0.9031313
## 0.9639891 0.9796735 0.8623737
## 0.9664876 0.9756327 0.8758586
## 0.9717639 0.9797143 0.8759091
## 0.9668479 0.9755918 0.8691414
## 0.9721279 0.9817143 0.8713636
## 0.9712304 0.9776735 0.8758586
## 0.9666449 0.9796735 0.8691414
## 0.9712724 0.9837551 0.8736869
## 0.9717134 0.9837959 0.8691414
## 0.9628958 0.9735918 0.8690909
## 0.9699444 0.9776735 0.8713636
## 0.9716117 0.9797143 0.8736869
## 0.9635114 0.9715102 0.8713636
## 0.9691260 0.9796735 0.8714141
## 0.9714937 0.9776735 0.8736869
## 0.9644373 0.9776327 0.8668687
## 0.9683444 0.9755918 0.8691919
## 0.9721063 0.9735510 0.8691414
## 0.9789567 0.9675918 0.9075758
## 0.9767481 0.9654694 0.9121717
## 0.9757213 0.9695510 0.9076263
## 0.9789982 0.9715510 0.9075758
## 0.9766969 0.9675102 0.9008586
## 0.9787735 0.9614286 0.9031313
## 0.9809013 0.9756735 0.9075758
## 0.9818127 0.9735918 0.8986364
## 0.9790518 0.9715510 0.9009091
## 0.9817606 0.9695102 0.9029798
## 0.9811734 0.9735918 0.9052525
## 0.9786892 0.9695510 0.9008586
## 0.9802568 0.9796735 0.8939899
## 0.9802590 0.9776327 0.8985354
## 0.9800679 0.9715510 0.9030808
## 0.9809276 0.9776735 0.8984848
## 0.9807279 0.9715918 0.9008081
## 0.9801689 0.9735918 0.9053535
## 0.9768520 0.9655102 0.9188889
## 0.9770939 0.9695918 0.9097475
```

```
##   0.9776925 0.9675102 0.9165657
##   0.9785839 0.9735510 0.9007576
##   0.9773539 0.9675102 0.9075758
##   0.9769491 0.9695510 0.9097980
##   0.9826915 0.9736327 0.9008081
##   0.9804299 0.9715918 0.9075758
##   0.9796927 0.9654694 0.9008586
##   0.9794080 0.9695102 0.8985354
##   0.9792986 0.9674694 0.9076263
##   0.9774740 0.9633878 0.9053030
##   0.9797101 0.9755918 0.9030303
##   0.9804925 0.9756327 0.8985354
##   0.9793538 0.9715510 0.8986364
##   0.9814907 0.9715918 0.9053030
##   0.9794707 0.9715510 0.9075758
##   0.9790977 0.9715510 0.9075758
##   0.9782115 0.9675510 0.9075253
##   0.9774098 0.9695918 0.9075253
##   0.9797535 0.9594286 0.9097980
##   0.9780423 0.9776735 0.9053535
##   0.9756694 0.9593878 0.8985859
##   0.9779966 0.9491837 0.9053030
##   0.9796386 0.9757143 0.9053030
##   0.9789424 0.9695510 0.9029798
##   0.9782844 0.9634286 0.9075758
##   0.9788718 0.9675102 0.9053535
##   0.9783768 0.9634286 0.9075758
##   0.9760911 0.9634694 0.9075758
##   0.9821366 0.9756327 0.9053030
##   0.9803037 0.9756327 0.9030808
##   0.9792872 0.9735918 0.9053535
##   0.9826246 0.9715918 0.9007576
##   0.9804627 0.9735918 0.9030808
##   0.9798100 0.9674694 0.9030808
##   0.9707109 0.9817143 0.8691414
##   0.9708083 0.9797143 0.8825758
##   0.9696860 0.9857959 0.8780808
##   0.9665834 0.9756735 0.8735859
##   0.9694252 0.9735918 0.8713131
##   0.9711488 0.9735918 0.8780808
##   0.9695535 0.9776735 0.8736364
##   0.9704413 0.9817551 0.8759091
##   0.9749370 0.9837959 0.8759091
##   0.9616473 0.9735918 0.8714141
##   0.9687941 0.9735918 0.8714141
##   0.9727360 0.9756327 0.8781818
##   0.9644536 0.9797143 0.8645960
##   0.9713543 0.9796735 0.8714141
##   0.9707245 0.9796735 0.8714141
##   0.9669916 0.9735510 0.8713636
##   0.9704848 0.9756327 0.8759091
##   0.9710251 0.9776735 0.8759596
##   0.9733894 0.9614286 0.9097980
##   0.9766201 0.9654694 0.9098485
```

```
## 0.9778343 0.9613878 0.9053030
## 0.9784169 0.9552653 0.9053535
## 0.9762271 0.9511837 0.9097980
## 0.9769326 0.9511837 0.9120202
## 0.9798040 0.9755918 0.9053030
## 0.9764082 0.9715510 0.9031313
## 0.9778503 0.9695102 0.9075758
## 0.9769175 0.9675102 0.9075758
## 0.9804807 0.9695918 0.9053535
## 0.9789202 0.9634286 0.9075758
## 0.9817969 0.9695510 0.8985354
## 0.9798304 0.9715510 0.9030808
## 0.9786395 0.9674694 0.9030808
## 0.9830739 0.9797143 0.8984848
## 0.9811690 0.9756327 0.9053030
## 0.9793591 0.9695102 0.9053535
## 0.9802731 0.9736327 0.9052525
## 0.9789104 0.9675510 0.9075253
## 0.9807218 0.9655510 0.9120202
## 0.9774911 0.9613061 0.9075758
## 0.9780409 0.9613878 0.9120707
## 0.9782100 0.9715510 0.9075253
## 0.9777965 0.9674694 0.9097980
## 0.9770515 0.9715510 0.9029798
## 0.9788734 0.9735918 0.9120707
## 0.9796435 0.9756327 0.9007576
## 0.9799338 0.9735918 0.9053030
## 0.9800132 0.9735918 0.9053030
## 0.9835582 0.9735918 0.9075253
## 0.9800098 0.9675102 0.9097980
## 0.9791724 0.9695510 0.9120202
## 0.9782201 0.9674694 0.9052525
## 0.9767161 0.9634286 0.9075253
## 0.9784034 0.9634286 0.9120202
## 0.9769680 0.9674694 0.9030303
## 0.9789335 0.9735918 0.9053030
## 0.9794803 0.9715918 0.9075253
## 0.9786635 0.9654694 0.9121212
## 0.9803812 0.9675510 0.9075758
## 0.9808076 0.9695510 0.9052525
## 0.9802445 0.9735918 0.9053535
## 0.9805801 0.9695510 0.9053535
## 0.9818293 0.9675510 0.9075758
## 0.9788412 0.9613469 0.9075758
## 0.9803001 0.9695102 0.9097475
## 0.9808519 0.9654286 0.9097980
## 0.9796530 0.9674694 0.9030303
## 0.9795159 0.9675102 0.9075253
## 0.9780326 0.9655102 0.9097980
## 0.9799402 0.9654286 0.9053030
## 0.9789244 0.9593469 0.9075253
## 0.9785058 0.9613878 0.9120707
## 0.9719029 0.9817143 0.8713131
## 0.9724225 0.9878367 0.8825758
```

```
##   0.9743393  0.9837551  0.8848485
##   0.9763148  0.9796735  0.8757576
##   0.9755756  0.9776735  0.8848485
##   0.9764213  0.9735918  0.8871717
##   0.9733668  0.9857959  0.8734848
##   0.9756713  0.9796735  0.8848485
##   0.9782339  0.9817143  0.8825758
##   0.9746135  0.9756327  0.8736869
##   0.9771419  0.9776327  0.8781313
##   0.9760958  0.9755918  0.8917677
##   0.9717638  0.9776327  0.8713636
##   0.9755844  0.9776327  0.8827273
##   0.9761652  0.9776327  0.8894444
##   0.9711508  0.9776327  0.8712626
##   0.9755719  0.9796735  0.8848485
##   0.9771714  0.9755918  0.8893939
##   0.9786016  0.9736327  0.9143434
##   0.9798698  0.9654694  0.9075758
##   0.9799744  0.9675102  0.9075253
##   0.9804916  0.9573878  0.8986869
##   0.9805529  0.9655510  0.9031313
##   0.9788657  0.9635102  0.9053535
##   0.9771807  0.9735918  0.9053030
##   0.9766150  0.9674694  0.9075253
##   0.9788131  0.9674694  0.9098485
##   0.9777768  0.9654694  0.9097980
##   0.9789054  0.9715918  0.9097980
##   0.9799577  0.9675102  0.9120707
##   0.9799576  0.9695102  0.9030303
##   0.9794034  0.9654694  0.9120707
##   0.9800239  0.9614286  0.9143434
##   0.9783067  0.9715918  0.9098485
##   0.9796757  0.9715918  0.9120707
##   0.9792921  0.9695918  0.9120202
##   0.9751570  0.9613878  0.8963131
##   0.9756170  0.9574286  0.9053030
##   0.9780491  0.9654694  0.8985859
##   0.9769154  0.9554286  0.9052020
##   0.9769464  0.9613878  0.9097475
##   0.9760690  0.9613878  0.9119697
##   0.9793578  0.9695102  0.9075758
##   0.9806327  0.9674694  0.9053535
##   0.9806829  0.9695102  0.9076768
##   0.9751454  0.9593469  0.9030808
##   0.9756948  0.9674694  0.9054040
##   0.9773563  0.9694694  0.9098485
##   0.9770917  0.9735918  0.9166162
##   0.9775800  0.9736327  0.9166162
##   0.9785911  0.9716327  0.9121212
##   0.9790665  0.9715510  0.9076263
##   0.9782879  0.9634286  0.9030808
##   0.9790628  0.9654694  0.9053535
##   0.9739913  0.9614286  0.8918182
##   0.9766721  0.9655102  0.9008081
```

```
## 0.9785847 0.9715918 0.9053030
## 0.9793858 0.9695102 0.8986364
## 0.9790312 0.9695510 0.9098990
## 0.9811417 0.9675102 0.9008586
## 0.9826971 0.9756327 0.9120707
## 0.9826945 0.9736735 0.9211111
## 0.9825560 0.9736735 0.9188889
## 0.9793833 0.9715918 0.9188384
## 0.9783333 0.9654694 0.9076768
## 0.9792638 0.9674694 0.9097980
## 0.9785211 0.9674694 0.9121212
## 0.9769965 0.9655102 0.9120707
## 0.9775361 0.9655102 0.9098485
## 0.9795681 0.9613878 0.9098485
## 0.9781624 0.9635102 0.9143434
## 0.9781227 0.9655102 0.9121212
## 0.9797024 0.9796735 0.8803030
## 0.9763468 0.9817143 0.8848485
## 0.9756659 0.9837551 0.8916667
## 0.9720518 0.9776327 0.8849495
## 0.9746422 0.9837551 0.8894444
## 0.9771518 0.9857959 0.8984848
## 0.9742487 0.9837551 0.8758586
## 0.9744388 0.9837551 0.8848990
## 0.9734858 0.9837551 0.8848990
## 0.9791081 0.9837551 0.8803030
## 0.9771792 0.9817143 0.8780808
## 0.9751742 0.9755918 0.8803535
## 0.9767290 0.9837551 0.8758586
## 0.9784356 0.9817143 0.8871212
## 0.9807465 0.9796735 0.8916667
## 0.9728243 0.9776327 0.8758586
## 0.9766076 0.9817143 0.8893939
## 0.9765116 0.9796735 0.8962121
## 0.9770317 0.9634694 0.9052525
## 0.9786574 0.9635102 0.9166162
## 0.9772014 0.9635102 0.9075253
## 0.9775456 0.9613878 0.9009091
## 0.9790830 0.9695102 0.9008586
## 0.9796727 0.9634694 0.9053535
## 0.9804316 0.9613878 0.9076768
## 0.9810464 0.9654694 0.9076263
## 0.9818273 0.9695102 0.9053535
## 0.9774169 0.9634286 0.9030303
## 0.9755385 0.9736327 0.8984848
## 0.9774539 0.9715918 0.9007576
## 0.9777060 0.9593061 0.9008081
## 0.9771778 0.9674694 0.9008081
## 0.9767945 0.9633878 0.9030303
## 0.9776449 0.9613878 0.9075758
## 0.9775473 0.9634694 0.9098485
## 0.9769903 0.9614286 0.9075758
## 0.9791277 0.9736327 0.9007576
## 0.9801333 0.9695918 0.9052525
```

```
## 0.9809347 0.9716327 0.9030303
## 0.9789311 0.9675102 0.9121717
## 0.9783269 0.9715510 0.9121212
## 0.9794888 0.9715510 0.9121212
## 0.9759060 0.9756327 0.9075758
## 0.9789919 0.9756327 0.9075253
## 0.9794518 0.9756327 0.9053030
## 0.9793834 0.9735918 0.9075758
## 0.9802065 0.9715918 0.9121212
## 0.9790071 0.9715510 0.9121212
## 0.9813899 0.9634286 0.9120707
## 0.9825195 0.9654694 0.9120202
## 0.9819832 0.9654694 0.9120202
## 0.9782938 0.9695102 0.9098485
## 0.9792593 0.9654694 0.9098485
## 0.9807158 0.9695102 0.9120707
## 0.9788905 0.9674694 0.9030808
## 0.9788382 0.9674286 0.9030808
## 0.9777350 0.9674286 0.9030808
## 0.9780407 0.9736327 0.8985354
## 0.9803687 0.9655102 0.9053535
## 0.9795472 0.9675102 0.9075758
## 0.9811222 0.9695102 0.9031818
## 0.9808971 0.9756327 0.9054040
## 0.9815522 0.9756327 0.9054040
## 0.9808043 0.9695510 0.9121212
## 0.9817647 0.9695102 0.9143434
## 0.9815473 0.9695102 0.9143434
## 0.9802426 0.9674694 0.9052525
## 0.9804281 0.9695102 0.9142929
## 0.9805106 0.9674694 0.9097980
## 0.9795834 0.9674694 0.9075253
## 0.9804032 0.9695102 0.9097980
## 0.9804978 0.9695102 0.9097980
## 0.9753521 0.9817143 0.8713636
## 0.9759140 0.9756327 0.8894444
## 0.9772032 0.9715102 0.8985354
## 0.9731738 0.9776327 0.8847980
## 0.9753779 0.9817143 0.8893434
## 0.9749331 0.9735510 0.8938889
## 0.9758608 0.9817143 0.8758081
## 0.9748295 0.9796735 0.8916667
## 0.9778129 0.9755918 0.8917172
## 0.9743175 0.9776327 0.8939394
## 0.9761571 0.9695102 0.8916667
## 0.9769366 0.9715510 0.8916667
## 0.9756766 0.9796327 0.8826768
## 0.9751491 0.9775918 0.8849495
## 0.9740340 0.9735510 0.8962121
## 0.9730985 0.9796327 0.8804040
## 0.9748440 0.9775918 0.8872222
## 0.9767340 0.9735510 0.8894949
## 0.9770725 0.9634694 0.9098485
## 0.9779706 0.9634286 0.9097980
```

```
## 0.9788824 0.9654694 0.9097980
## 0.9782550 0.9614286 0.9098485
## 0.9800596 0.9613878 0.9076263
## 0.9805527 0.9593878 0.9053535
## 0.9814383 0.9695102 0.9030808
## 0.9811432 0.9735918 0.9053535
## 0.9826002 0.9715510 0.9076263
## 0.9800372 0.9695102 0.9143939
## 0.9808468 0.9674694 0.9121212
## 0.9811187 0.9674694 0.9098485
## 0.9764192 0.9654694 0.9120707
## 0.9774861 0.9633878 0.9188384
## 0.9780989 0.9633878 0.9188384
## 0.9776586 0.9654286 0.9097980
## 0.9793567 0.9674694 0.9075253
## 0.9798702 0.9674694 0.9053030
## 0.9822971 0.9634694 0.9098485
## 0.9829280 0.9675510 0.9098485
## 0.9824374 0.9735918 0.9120707
## 0.9789752 0.9593061 0.9076263
## 0.9801205 0.9675102 0.9008586
## 0.9800558 0.9655102 0.9030808
## 0.9810387 0.9695510 0.9054040
## 0.9815951 0.9776735 0.9054040
## 0.9812232 0.9756327 0.9098485
## 0.9784156 0.9695510 0.9053030
## 0.9813914 0.9715918 0.9098485
## 0.9816207 0.9715918 0.9097980
## 0.9798811 0.9674286 0.9097980
## 0.9814034 0.9633878 0.9120202
## 0.9828678 0.9654286 0.9075253
## 0.9802799 0.9634286 0.9142424
## 0.9817162 0.9695102 0.9165657
## 0.9823678 0.9674694 0.9142929
## 0.9779465 0.9635510 0.9075758
## 0.9779440 0.9655510 0.9120707
## 0.9773697 0.9635102 0.9120707
## 0.9777887 0.9695102 0.9008081
## 0.9779436 0.9756327 0.9142929
## 0.9795870 0.9756327 0.9097980
## 0.9798013 0.9675510 0.9030303
## 0.9797277 0.9634694 0.9143434
## 0.9800495 0.9695510 0.9120202
## 0.9798425 0.9715510 0.9120707
## 0.9804086 0.9797143 0.9075758
## 0.9803509 0.9817143 0.9075758
## 0.9806404 0.9634286 0.9098990
## 0.9800874 0.9654286 0.9097980
## 0.9798563 0.9654286 0.9097980
## 0.9802840 0.9695510 0.9120202
## 0.9811095 0.9634286 0.9097475
## 0.9814714 0.9613878 0.9097475
## 0.9767316 0.9837551 0.8939394
## 0.9792585 0.9796735 0.9030303
```

```
##   0.9785464  0.9776327  0.8939899
##   0.9768799  0.9756327  0.8871717
##   0.9778648  0.9735510  0.8893434
##   0.9781293  0.9694694  0.8984343
##   0.9750130  0.9777143  0.8826768
##   0.9785662  0.9797143  0.8917172
##   0.9778981  0.9736327  0.8962626
##   0.9744678  0.9735102  0.8849495
##   0.9771475  0.9694694  0.8871212
##   0.9768510  0.9654286  0.8939394
##   0.9766666  0.9857551  0.8871717
##   0.9781572  0.9816735  0.8939394
##   0.9791405  0.9817143  0.8962626
##   0.9759596  0.9796735  0.8939394
##   0.9773485  0.9735918  0.9007071
##   0.9769343  0.9755918  0.9007071
##   0.9802463  0.9614286  0.9052525
##   0.9814356  0.9654694  0.9052020
##   0.9810713  0.9655102  0.9052020
##   0.9794157  0.9675102  0.9165657
##   0.9789608  0.9593061  0.9142424
##   0.9784555  0.9613878  0.9097475
##   0.9802664  0.9776327  0.9097980
##   0.9798986  0.9776735  0.9052525
##   0.9799841  0.9776735  0.9052525
##   0.9778655  0.9695102  0.9120202
##   0.9781230  0.9695102  0.9142929
##   0.9796910  0.9735918  0.9120707
##   0.9775792  0.9715510  0.9121212
##   0.9796012  0.9675102  0.9143434
##   0.9793708  0.9715510  0.9165657
##   0.9776371  0.9715510  0.9097475
##   0.9785120  0.9715510  0.9120202
##   0.9794294  0.9695102  0.9142929
##
## Tuning parameter 'gamma' was held constant at a value of 0
## Tuning
##  parameter 'min_child_weight' was held constant at a value of 1
## ROC was used to select the optimal model using the largest value.
## The final values used for the model were nrounds = 50, max_depth = 2, eta
##  = 0.3, gamma = 0, subsample = 1, colsample_bytree = 0.6, rate_drop =
##  0.01, skip_drop = 0.05 and min_child_weight = 1.
```

```r
max(model_xgbdart[["results"]][["ROC"]])
```

```
## [1] 0.9835582
```

```r
##membuat model klasifikasi dengan SVM
model_svm <- train( Class ~ .,
                        data = new_df,
                        tuneLength=3,
                        metric = "ROC",
                        method = "svmRadial",
                        trControl = mycontrol)
```

```
## + Fold01: sigma=0.04285, C=0.25
## - Fold01: sigma=0.04285, C=0.25
## + Fold01: sigma=0.04285, C=0.50
## - Fold01: sigma=0.04285, C=0.50
## + Fold01: sigma=0.04285, C=1.00
## - Fold01: sigma=0.04285, C=1.00
## + Fold02: sigma=0.04285, C=0.25
## - Fold02: sigma=0.04285, C=0.25
## + Fold02: sigma=0.04285, C=0.50
## - Fold02: sigma=0.04285, C=0.50
## + Fold02: sigma=0.04285, C=1.00
## - Fold02: sigma=0.04285, C=1.00
## + Fold03: sigma=0.04285, C=0.25
## - Fold03: sigma=0.04285, C=0.25
## + Fold03: sigma=0.04285, C=0.50
## - Fold03: sigma=0.04285, C=0.50
## + Fold03: sigma=0.04285, C=1.00
## - Fold03: sigma=0.04285, C=1.00
## + Fold04: sigma=0.04285, C=0.25
## - Fold04: sigma=0.04285, C=0.25
## + Fold04: sigma=0.04285, C=0.50
## - Fold04: sigma=0.04285, C=0.50
## + Fold04: sigma=0.04285, C=1.00
## - Fold04: sigma=0.04285, C=1.00
## + Fold05: sigma=0.04285, C=0.25
## - Fold05: sigma=0.04285, C=0.25
## + Fold05: sigma=0.04285, C=0.50
## - Fold05: sigma=0.04285, C=0.50
## + Fold05: sigma=0.04285, C=1.00
## - Fold05: sigma=0.04285, C=1.00
## + Fold06: sigma=0.04285, C=0.25
## - Fold06: sigma=0.04285, C=0.25
## + Fold06: sigma=0.04285, C=0.50
## - Fold06: sigma=0.04285, C=0.50
## + Fold06: sigma=0.04285, C=1.00
## - Fold06: sigma=0.04285, C=1.00
## + Fold07: sigma=0.04285, C=0.25
## - Fold07: sigma=0.04285, C=0.25
## + Fold07: sigma=0.04285, C=0.50
## - Fold07: sigma=0.04285, C=0.50
## + Fold07: sigma=0.04285, C=1.00
## - Fold07: sigma=0.04285, C=1.00
## + Fold08: sigma=0.04285, C=0.25
## - Fold08: sigma=0.04285, C=0.25
## + Fold08: sigma=0.04285, C=0.50
## - Fold08: sigma=0.04285, C=0.50
## + Fold08: sigma=0.04285, C=1.00
## - Fold08: sigma=0.04285, C=1.00
## + Fold09: sigma=0.04285, C=0.25
## - Fold09: sigma=0.04285, C=0.25
## + Fold09: sigma=0.04285, C=0.50
## - Fold09: sigma=0.04285, C=0.50
```

```
## + Fold09: sigma=0.04285, C=1.00
## - Fold09: sigma=0.04285, C=1.00
## + Fold10: sigma=0.04285, C=0.25
## - Fold10: sigma=0.04285, C=0.25
## + Fold10: sigma=0.04285, C=0.50
## - Fold10: sigma=0.04285, C=0.50
## + Fold10: sigma=0.04285, C=1.00
## - Fold10: sigma=0.04285, C=1.00
## Aggregating results
## Selecting tuning parameters
## Fitting sigma = 0.0429, C = 1 on full training set
```

```r
print(model_svm)
```

```
## Support Vector Machines with Radial Basis Function Kernel
##
## 935 samples
##  30 predictor
##   2 classes: 'N', 'F'
##
## No pre-processing
## Resampling: Cross-Validated (10 fold)
## Summary of sample sizes: 842, 841, 842, 840, 842, 841, ...
## Resampling results across tuning parameters:
##
##   C     ROC        Sens       Spec
##   0.25  0.9725519  0.9491020  0.8890909
##   0.50  0.9753924  0.9552245  0.9004545
##   1.00  0.9777837  0.9633878  0.9049495
##
## Tuning parameter 'sigma' was held constant at a value of 0.04285383
## ROC was used to select the optimal model using the largest value.
## The final values used for the model were sigma = 0.04285383 and C = 1.
```

```r
max(model_svm[["results"]][["ROC"]])
```

```
## [1] 0.9777837
```

```r
##membuat model klasifikasi dengan KNN
model_knn <- train( Class ~ .,
                    data = new_df,
                    tuneLength=3,
                    metric = "ROC",
                    method = "knn",
                    trControl = mycontrol)
```

```
## + Fold01: k=5
## - Fold01: k=5
## + Fold01: k=7
## - Fold01: k=7
## + Fold01: k=9
## - Fold01: k=9
```

```
## + Fold02: k=5
## - Fold02: k=5
## + Fold02: k=7
## - Fold02: k=7
## + Fold02: k=9
## - Fold02: k=9
## + Fold03: k=5
## - Fold03: k=5
## + Fold03: k=7
## - Fold03: k=7
## + Fold03: k=9
## - Fold03: k=9
## + Fold04: k=5
## - Fold04: k=5
## + Fold04: k=7
## - Fold04: k=7
## + Fold04: k=9
## - Fold04: k=9
## + Fold05: k=5
## - Fold05: k=5
## + Fold05: k=7
## - Fold05: k=7
## + Fold05: k=9
## - Fold05: k=9
## + Fold06: k=5
## - Fold06: k=5
## + Fold06: k=7
## - Fold06: k=7
## + Fold06: k=9
## - Fold06: k=9
## + Fold07: k=5
## - Fold07: k=5
## + Fold07: k=7
## - Fold07: k=7
## + Fold07: k=9
## - Fold07: k=9
## + Fold08: k=5
## - Fold08: k=5
## + Fold08: k=7
## - Fold08: k=7
## + Fold08: k=9
## - Fold08: k=9
## + Fold09: k=5
## - Fold09: k=5
## + Fold09: k=7
## - Fold09: k=7
## + Fold09: k=9
## - Fold09: k=9
## + Fold10: k=5
## - Fold10: k=5
## + Fold10: k=7
## - Fold10: k=7
## + Fold10: k=9
## - Fold10: k=9
```

```
## Aggregating results
## Selecting tuning parameters
## Fitting k = 7 on full training set
```

```
print(model_knn)
```

```
## k-Nearest Neighbors
##
## 935 samples
##  30 predictor
##   2 classes: 'N', 'F'
##
## No pre-processing
## Resampling: Cross-Validated (10 fold)
## Summary of sample sizes: 842, 841, 842, 841, 842, 842, ...
## Resampling results across tuning parameters:
##
##   k  ROC        Sens       Spec
##   5  0.9612901  0.9816735  0.8691414
##   7  0.9676789  0.9898367  0.8690909
##   9  0.9672594  0.9938776  0.8646465
##
## ROC was used to select the optimal model using the largest value.
## The final value used for the model was k = 7.
```

```
max(model_knn[["results"]][["ROC"]])
```

```
## [1] 0.9676789
```

# Membandingkan Performa Model

Kelima model yang digunakan dalam project ini dibandingkan menggunakan metrik berupa ROC karena dataset yang digunakan dalam project ini sangat tidak berimbang proposinya,sehingga ROC lebih cocok untuk mengukur performa model.

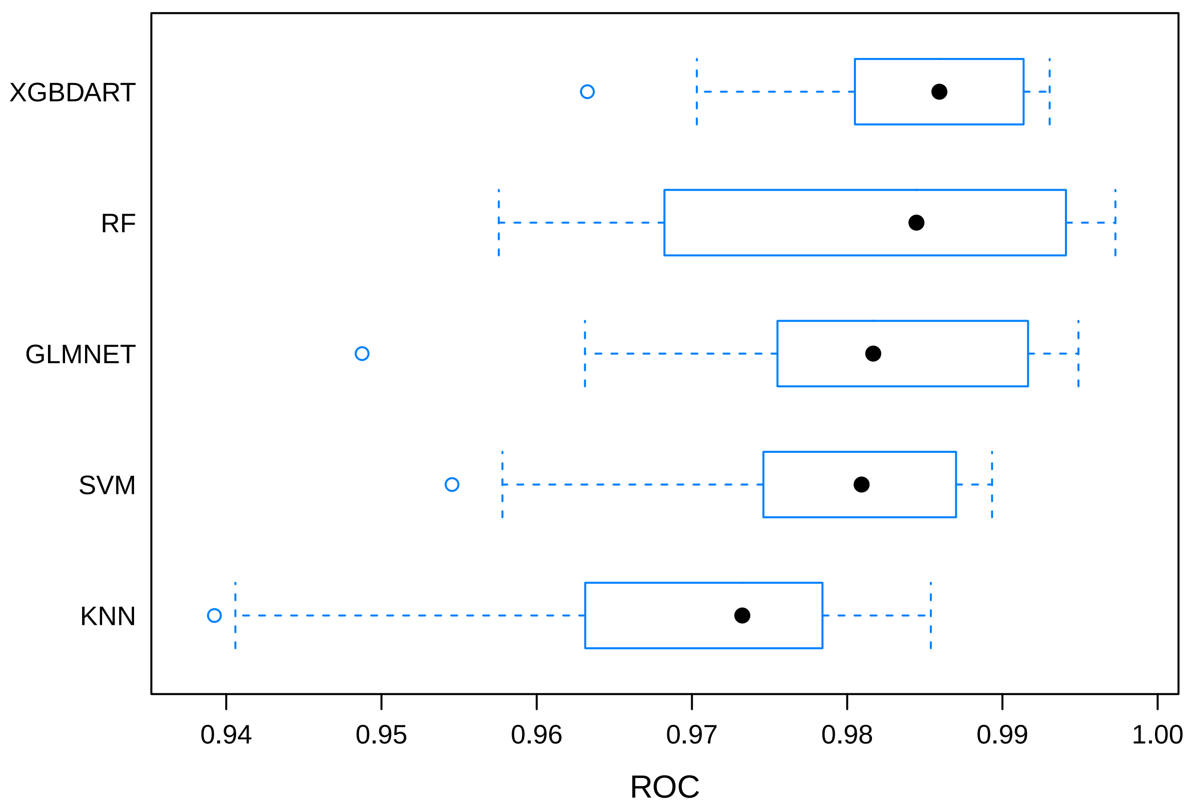
```
#membuat list model yang digunakan
list_model <- list(RF=model_rf,GLMNET=model_glmnet,XGBDART=model_xgbdart,SVM=model_svm,KNN=model_knn)

#membandingkan semua model
model_compare <- resamples(list_model)
summary(model_compare)
```

```
##
## Call:
## summary.resamples(object = model_compare)
##
## Models: RF, GLMNET, XGBDART, SVM, KNN
## Number of resamples: 10
##
## ROC
```

```
##              Min.   1st Qu.    Median      Mean   3rd Qu.      Max. NA's
## RF      0.9575603 0.9707290 0.9844620 0.9806969 0.9916837 0.9972789    0
## GLMNET  0.9487528 0.9758349 0.9816790 0.9795788 0.9906702 0.9948980    0
## XGBDART 0.9632653 0.9814317 0.9859412 0.9835582 0.9908558 0.9930427    0
## SVM     0.9545455 0.9757344 0.9809297 0.9777837 0.9866651 0.9893333    0
## KNN     0.9392393 0.9642857 0.9732444 0.9676789 0.9779678 0.9853896    0
##
## Sens
##              Min.   1st Qu.    Median      Mean   3rd Qu. Max. NA's
## RF      0.9591837 0.9593878 0.9795918 0.9776735 0.9950000    1    0
## GLMNET  1.0000000 1.0000000 1.0000000 1.0000000 1.0000000    1    0
## XGBDART 0.9387755 0.9591837 0.9693878 0.9735918 1.0000000    1    0
## SVM     0.9387755 0.9591837 0.9591837 0.9633878 0.9746939    1    0
## KNN     0.9591837 0.9796939 1.0000000 0.9898367 1.0000000    1    0
##
## Spec
##              Min.   1st Qu.    Median      Mean   3rd Qu.      Max. NA's
## RF      0.7954545 0.8636364 0.8977273 0.8957576 0.9329545 0.9777778    0
## GLMNET  0.7333333 0.8045455 0.8522727 0.8379293 0.8806818 0.9090909    0
## XGBDART 0.8409091 0.8863636 0.9103535 0.9075253 0.9488636 0.9555556    0
## SVM     0.8636364 0.8863636 0.8977273 0.9049495 0.9272727 0.9555556    0
## KNN     0.8181818 0.8492424 0.8636364 0.8690909 0.8833333 0.9318182    0
```

```r
scales <- list(x=list(relation="free"), y=list(relation="free"))
bwplot(model_compare, scales=scales,metric = "ROC")
```




Berdasarkan boxplot diatas, didapatkan bahwa model yang paling bagus performanya adalah XGBDart.

#Kesimpulan

Dataset credit card fraud yang digunakan dalam project ini mengandung ketidakseimbangan yang sangat jauh antara data berlabel fraud dan non-fraud. Random Undersampling digunakan untuk mengatasi ketidakseimbangan data ini. Variabel yang paling berpengaruh terhadap nilai di variabel "Class" adalah variabel V14,V11,V12,V4,dan V10. Sehingga data outlier dihilangkan berdasarkan variabel-variabel tersebut. Diantara lima model yang digunakan untuk klasifikasi credit card fraud didapatkan bahwa model XGBDart memiliki ROC yang paling bagus senilai 0.981844.