

# flavours.R

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```
#STAT 515 Final Project  
#Swathi Pollishetty  
#loading required libraries  
library(tidyverse)
```

```
## -- Attaching packages ----- tidyverse 1.3.0 --
```

```
## v ggplot2 3.3.2    v purrr  0.3.4  
## v tibble  3.0.3    v dplyr  1.0.2  
## v tidyr   1.1.2    v stringr 1.4.0  
## v readr   1.4.0    v forcats 0.5.0
```

```
## Warning: package 'readr' was built under R version 4.0.3
```

```
## -- Conflicts ----- tidyverse_conflicts() --  
## x dplyr::filter() masks stats::filter()  
## x dplyr::lag()    masks stats::lag()
```

```
library(useful)
```

```
## Warning: package 'useful' was built under R version 4.0.3
```

```
library(dplyr)  
library(cluster)  
library(randomForest)
```

```
## Warning: package 'randomForest' was built under R version 4.0.3
```

```
## randomForest 4.6-14
```

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

```
##
```

```
## Attaching package: 'randomForest'
```

```
## The following object is masked from 'package:dplyr':
```

```
##
```

```
##      combine
```

```
## The following object is masked from 'package:ggplot2':  
##  
##     margin
```

```
library(GGally)
```

```
## Warning: package 'GGally' was built under R version 4.0.3
```

```
## Registered S3 method overwritten by 'GGally':  
##   method from  
##   +.gg      ggplot2
```

```
library(corrplot)
```

```
## Warning: package 'corrplot' was built under R version 4.0.3
```

```
## corrplot 0.84 loaded
```

```
library(DMwR2)
```

```
## Warning: package 'DMwR2' was built under R version 4.0.3
```

```
## Registered S3 method overwritten by 'quantmod':  
##   method      from  
##   as.zoo.data.frame zoo
```

```
library(factoextra)
```

```
## Warning: package 'factoextra' was built under R version 4.0.3
```

```
## Welcome! Want to learn more? See two factoextra-related books at https://goo.gl/ve3WBa
```

```
#read csv file  
flavours <- read.csv("C:\\Users\\sravan\\Documents\\STAT515\\Final\\flavors_of_cacao.csv")  
names(flavours)
```

```
## [1] "Company"                "Specific.Bean.Origin.or.Bar.Name"  
## [3] "REF"                    "Review.Date"  
## [5] "Cocoa.Percent"         "Company.Location"  
## [7] "Rating"                 "Bean.Type"  
## [9] "Broad.Bean.Origin"
```

```
#examining the data  
str(flavours)
```

```
## 'data.frame': 1795 obs. of 9 variables:
## $ Company : chr "A. Morin" "A. Morin" "A. Morin" "A. Morin" ...
## $ Specific.Bean.Origin.or.Bar.Name: chr "Agua Grande" "Kpime" "Atsane" "Akata" ...
## $ REF : int 1876 1676 1676 1680 1704 1315 1315 1315 1319 1319 ...
## $ Review.Date : int 2016 2015 2015 2015 2015 2014 2014 2014 2014 2014 ...
## $ Cocoa.Percent : chr "63%" "70%" "70%" "70%" ...
## $ Company.Location : chr "France" "France" "France" "France" ...
## $ Rating : num 3.75 2.75 3 3.5 3.5 2.75 3.5 3.5 3.75 4 ...
## $ Bean.Type : chr "Â " "Â " "Â " "Â " ...
## $ Broad.Bean.Origin : chr "Sao Tome" "Togo" "Togo" "Togo" ...
```

```
dim(flavours)
```

```
## [1] 1795 9
```

```
#remove spaces and line brakes from column names
```

```
names(flavours) <- tolower(gsub(pattern = '[:space:]+', '_', names(flavours)))
names(flavours)
```

```
## [1] "company" "specific.bean.origin.or.bar.name"
## [3] "ref" "review.date"
## [5] "cocoa.percent" "company.location"
## [7] "rating" "bean.type"
## [9] "broad.bean.origin"
```

```
#renaming columns for easier legibility
```

```
flavours<-dplyr::rename(flavours,Maker=company ,REF=ref,Rating=rating,BeanOrigin=specific.bean.origin.or.bar.name)
```

```
#displaying column names
```

```
names(flavours)
```

```
## [1] "Maker" "BeanOrigin" "REF" "ReviewDate"
## [5] "CocoaPercentage" "CompanyLocation" "Rating" "BeanType"
## [9] "BroadBeanOrigin"
```

```
#checking for null values for each column
```

```
lapply(flavours,function(x) { length(which(is.na(x)))})
```

```
## $Maker
## [1] 0
##
## $BeanOrigin
## [1] 0
##
## $REF
## [1] 0
##
## $ReviewDate
## [1] 0
##
## $CocoaPercentage
```

```
## [1] 0
##
## $CompanyLocation
## [1] 0
##
## $Rating
## [1] 0
##
## $BeanType
## [1] 0
##
## $BroadBeanOrigin
## [1] 0
```

```
#Dropping Bean Type since it has a lot of missing values
#We do not use Broad Bean Origin, Bean Type in our Analysis
flavours <- subset(flavours,select=c(-BeanType,-BroadBeanOrigin))
```

```
#checking for null values again
lapply(flavours,function(x) { length(which(is.na(x)))})
```

```
## $Maker
## [1] 0
##
## $BeanOrigin
## [1] 0
##
## $REF
## [1] 0
##
## $ReviewDate
## [1] 0
##
## $CocoaPercentage
## [1] 0
##
## $CompanyLocation
## [1] 0
##
## $Rating
## [1] 0
```

```
#checking size of flavours
dim(flavours)
```

```
## [1] 1795    7
```

```
#removing null and missing values
#flavours<- na.omit(flavours)
```

```
#remove % from CocoaPercentage and change it to numeric type
```

```
flavours$CocoaPercentage <- lapply(flavours$CocoaPercentage, function(x) gsub("%", "", x))
flavours$CocoaPercentage <- as.numeric(flavours$CocoaPercentage)
```

```
#checking summary of the data
summary(flavours)
```

```
##      Maker      BeanOrigin      REF      ReviewDate
## Length:1795      Length:1795      Min.   : 5      Min.   :2006
## Class :character Class :character 1st Qu.: 576      1st Qu.:2010
## Mode  :character Mode  :character Median :1069      Median :2013
##                                     Mean  :1036      Mean  :2012
##                                     3rd Qu.:1502      3rd Qu.:2015
##                                     Max.   :1952      Max.   :2017
## CocoaPercentage CompanyLocation      Rating
## Min.   : 42.0      Length:1795      Min.   :1.000
## 1st Qu.: 70.0      Class :character 1st Qu.:2.875
## Median : 70.0      Mode  :character Median :3.250
## Mean   : 71.7                                     Mean  :3.186
## 3rd Qu.: 75.0                                     3rd Qu.:3.500
## Max.   :100.0                                    Max.   :5.000
```

```
#checking new column names
colnames(flavours)
```

```
## [1] "Maker"      "BeanOrigin" "REF"      "ReviewDate"
## [5] "CocoaPercentage" "CompanyLocation" "Rating"
```

```
#factor
flavours$Maker <- as.factor(flavours$Maker)
#Adding Rating level variable
RatingLevel=ifelse(flavours$Rating<=3.5,"Low","High")
flavours <- data.frame(flavours,RatingLevel)
#write.csv(flavours,"C:\\Users\\sravan\\Documents\\STAT515\\Final\\finalflavours.csv",row.names=FALSE)

# get the mean chocolate rating by year
meanRatingByYear <- flavours %>%
  group_by(ReviewDate) %>%
  summarise(Rating = mean(Rating))
```

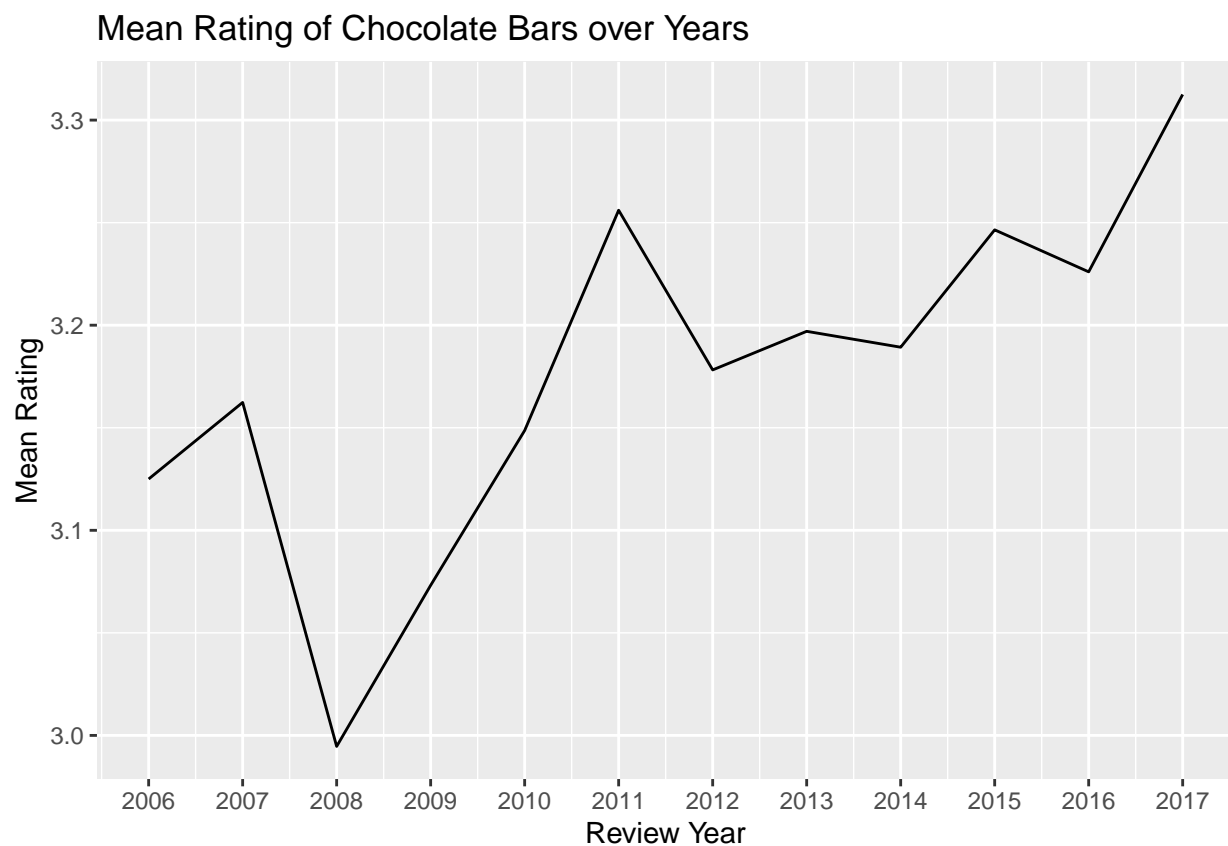
```
## 'summarise()' ungrouping output (override with '.groups' argument)
```

```
print(meanRatingByYear)
```

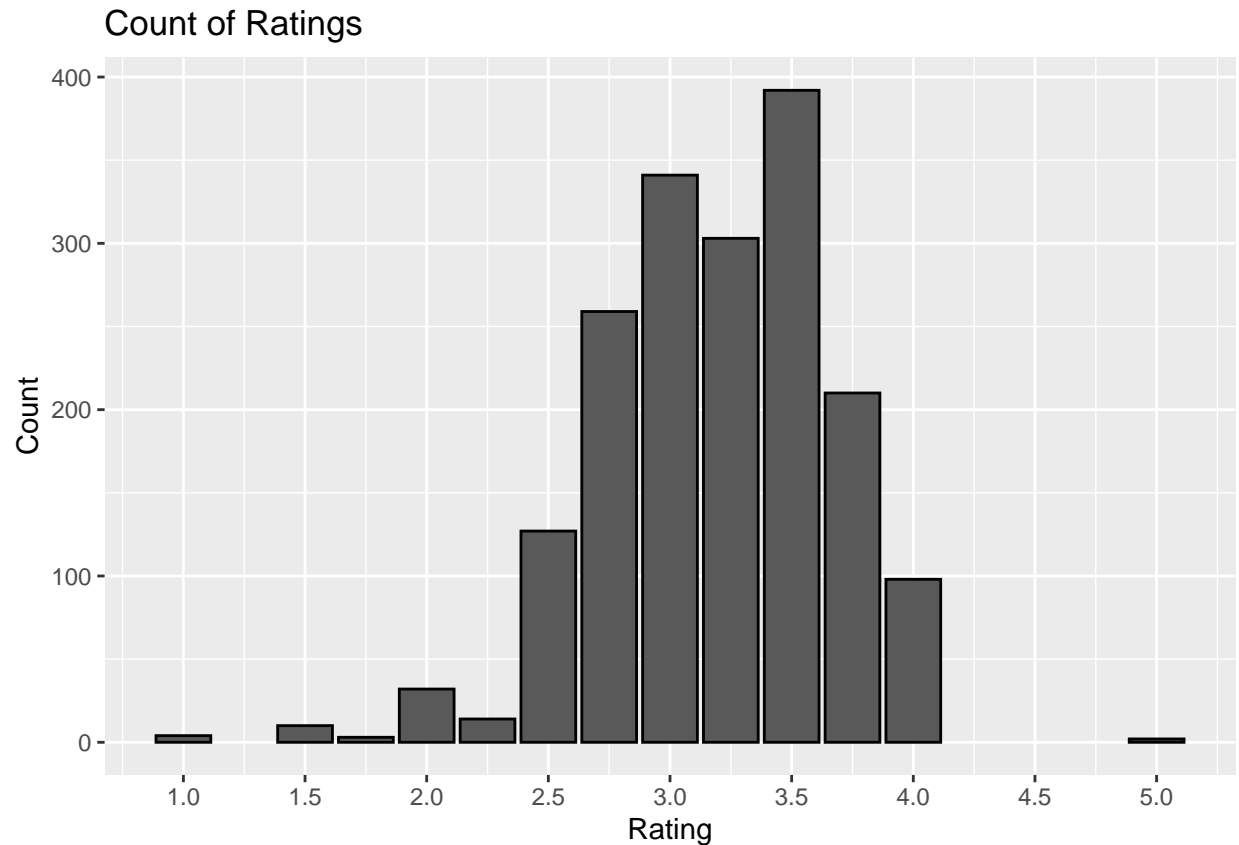
```
## # A tibble: 12 x 2
##   ReviewDate Rating
##       <int>   <dbl>
## 1      2006    3.12
## 2      2007    3.16
## 3      2008    2.99
## 4      2009    3.07
```

```
## 5      2010    3.15
## 6      2011    3.26
## 7      2012    3.18
## 8      2013    3.20
## 9      2014    3.19
## 10     2015    3.25
## 11     2016    3.23
## 12     2017    3.31
```

```
# line chart showing change in reviews over years
ggplot(data = meanRatingByYear, aes(x = ReviewDate, y = Rating)) +
  geom_line() +
  scale_x_continuous(breaks = c(2006:2017)) +
  labs(title = "Mean Rating of Chocolate Bars over Years",
       x = "Review Year",
       y = "Mean Rating")
```



```
#Histogram showing Count of Ratings
ggplot(flavours, aes(x=Rating, fill=Rating,color=Blue)) +
  geom_bar(color="black") +
  scale_x_continuous(breaks=seq(0,5,0.5))+
  labs (x = "Rating",
       y = "Count",
       title = "Count of Ratings")
```



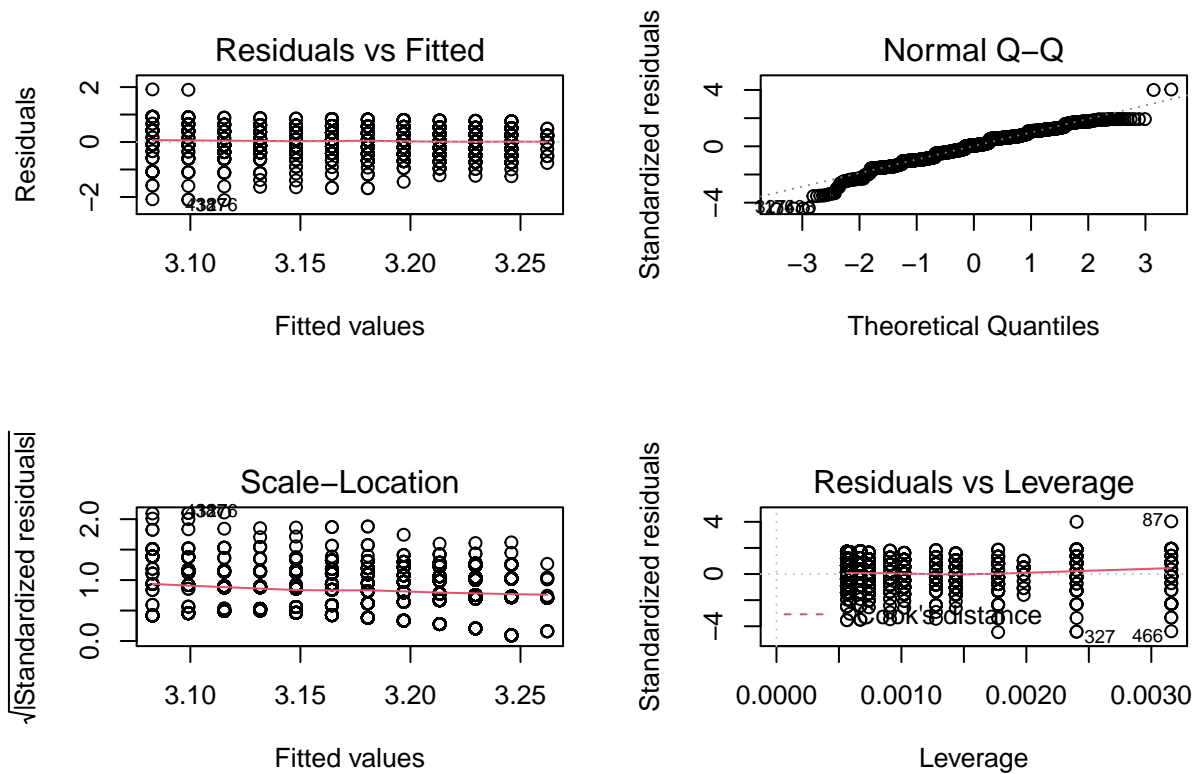
```
#fitting linear regression model for Rating given ReviewDate
modell1 <- lm(Rating~ReviewDate,data=flavours)
sm1<-summary(modell1)
sm1
```

```
##
## Call:
## lm(formula = Rating ~ ReviewDate, data = flavours)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.11540 -0.29747  0.03676  0.31937  1.91721
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -29.628257   7.722599  -3.837 0.000129 ***
## ReviewDate    0.016307   0.003838   4.249 2.26e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4758 on 1793 degrees of freedom
## Multiple R-squared:  0.009969, Adjusted R-squared:  0.009417
## F-statistic: 18.05 on 1 and 1793 DF, p-value: 2.256e-05
```

```
#printing RMSE for model 1
mean(sm1$residuals^2)
```

```
## [1] 0.2261392
```

```
#plotting residual plots for model 1
par(mfrow=c(2,2))
plot(model1)
```

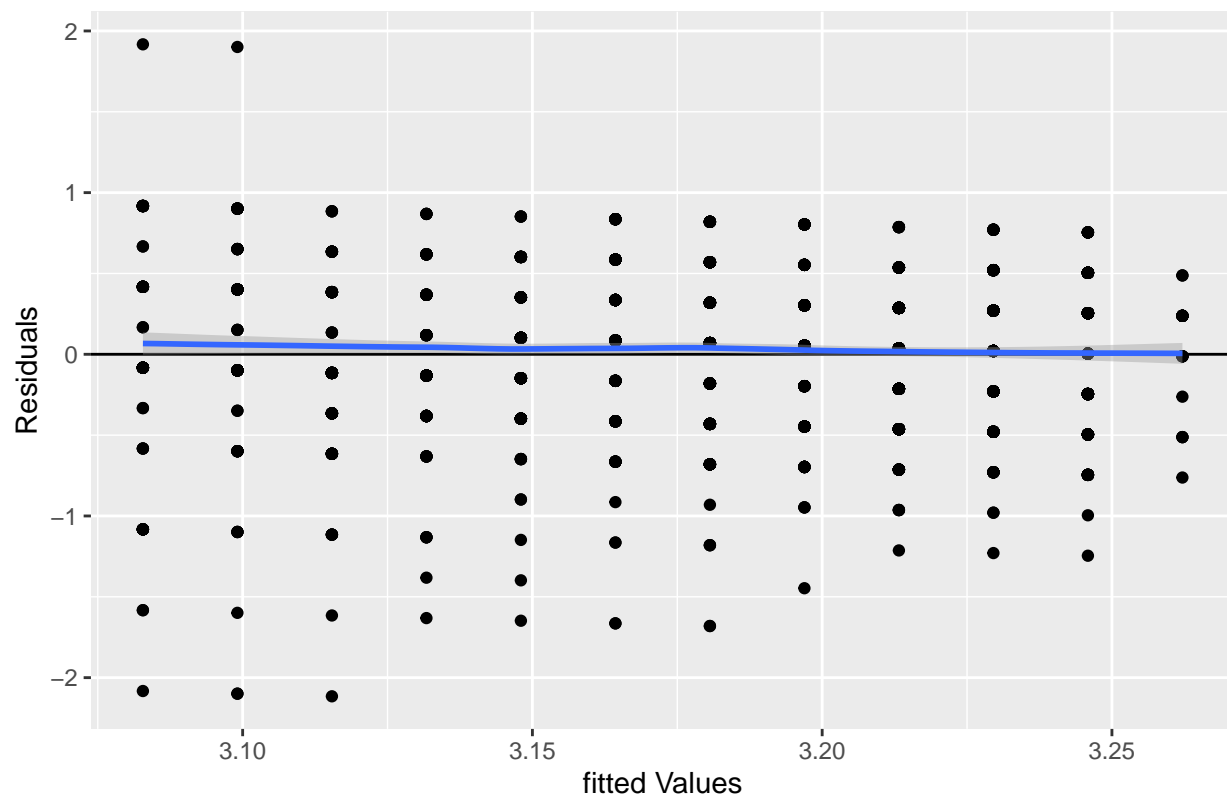


```
#Residuals vs Fitted values plot for predicting Rating given ReviewDate
ggplot(data=model1,
  aes(x=.fitted, y=.resid)) +
  geom_point( ) +
  geom_hline(yintercept=0) +
  geom_smooth(se=TRUE, method="loess",
    method.args=list(degree=1, family="symmetric")) +
  labs(x="fitted Values", y="Residuals",title="Residuals vs Fitted plot for predicting Rating given ReviewDate")
```

```
## 'geom_smooth()' using formula 'y ~ x'
```



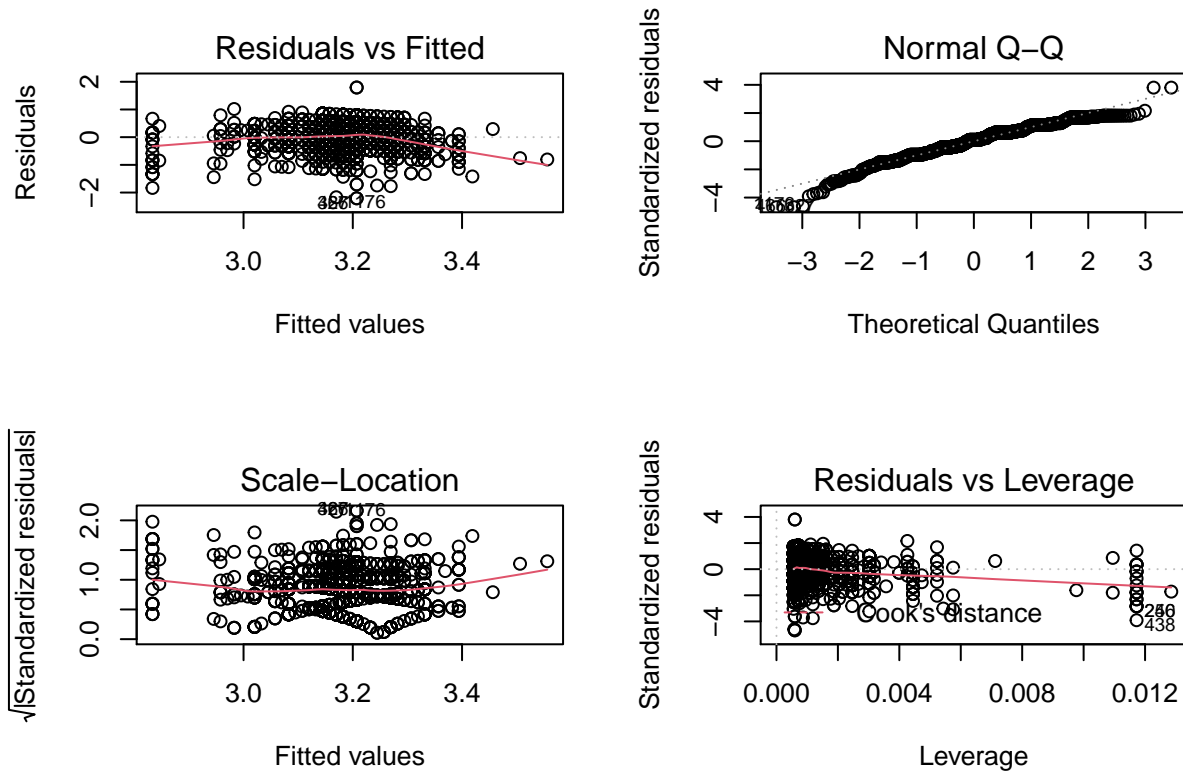
Residuals vs Fitted plot for predicting Rating given ReviewDate



```
#Linear Regression Model for predicting Rating given CocoaPercentage
model2 <- lm(Rating~CocoaPercentage,data=flavours)
sm2<-summary(model2)
sm2
```

```
##
## Call:
## lm(formula = Rating ~ CocoaPercentage, data = flavours)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.2071 -0.3196  0.0429  0.3178  1.7929
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    4.079388   0.126757  32.183 < 2e-16 ***
## CocoaPercentage -0.012461   0.001761  -7.076 2.12e-12 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4717 on 1793 degrees of freedom
## Multiple R-squared:  0.02717,    Adjusted R-squared:  0.02662
## F-statistic: 50.07 on 1 and 1793 DF,  p-value: 2.122e-12
```

```
#plotting Residual plots for model 2
par(mfrow=c(2,2))
plot(model2)
```



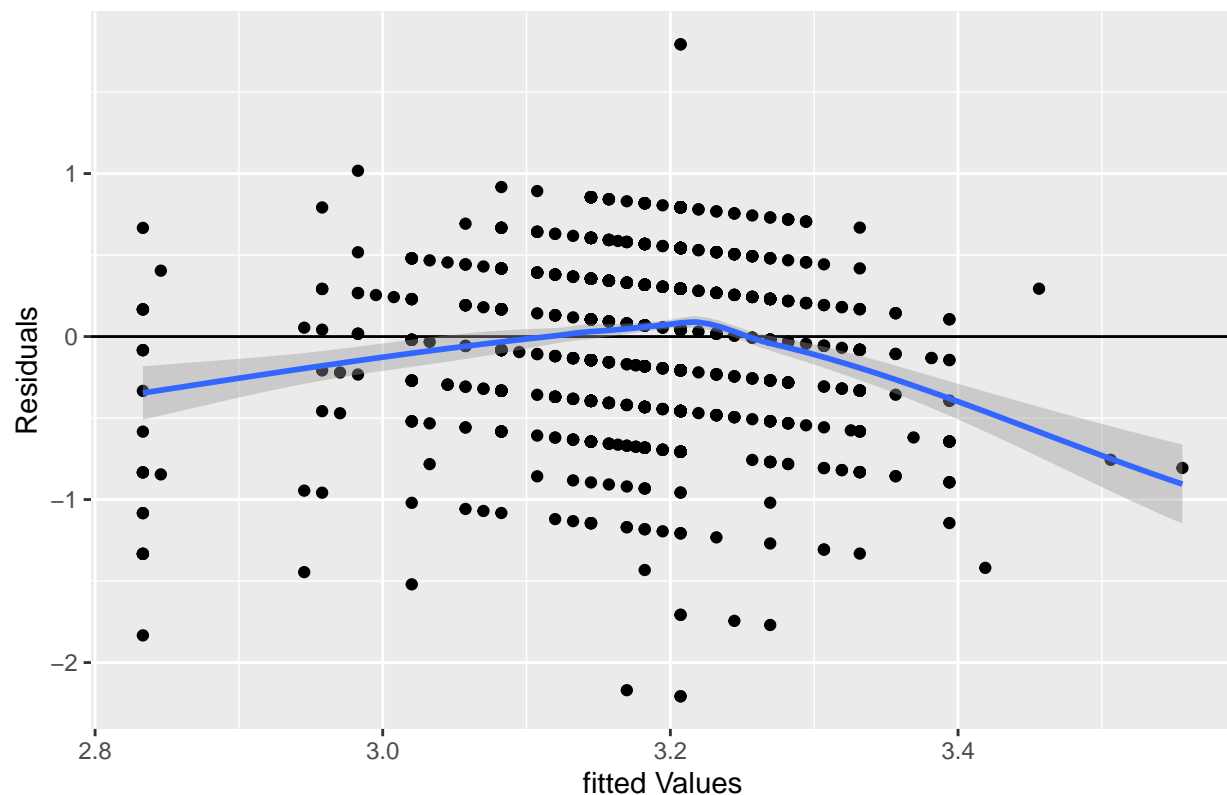
```
#printing RMSE for model 2
mean(sm2$residuals^2)
```

```
## [1] 0.2222112
```

```
#Residuals vs Fitted values plot for predicting Rating given CocoaPercentage
ggplot(data=model2,
       aes(x=.fitted, y=.resid)) +
  geom_point( ) +
  geom_hline(yintercept=0) +
  geom_smooth(se=TRUE, method="loess",
             method.args=list(degree=1, family="symmetric")) +
  labs(x="fitted Values", y="Residuals", title="Residuals vs Fitted plot for predicting Rating given CocoaPercentage")
```

```
## 'geom_smooth()' using formula 'y ~ x'
```

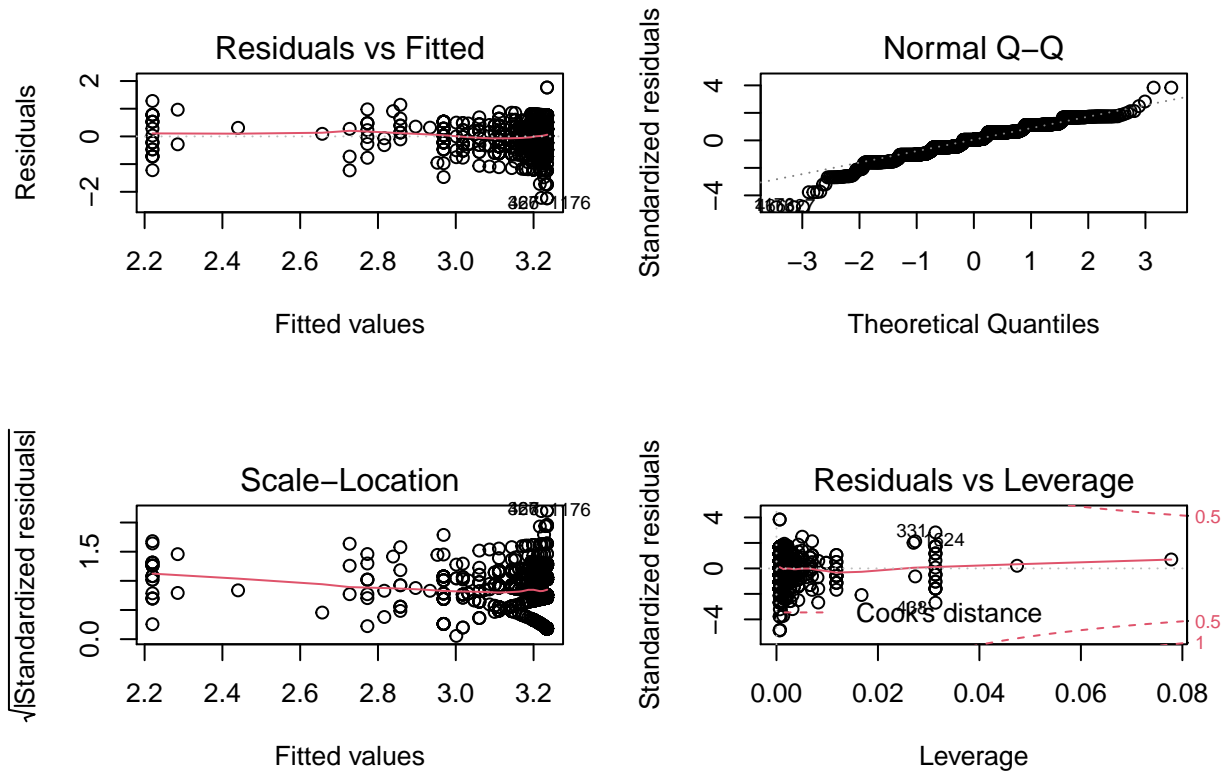
Residuals vs Fitted plot for predicting Rating given CocoaPercentage



```
#fitting using polynomial of CocoaPercentage
model3 <- lm(Rating~CocoaPercentage+I(CocoaPercentage^2),data=flavours)
sm3 <- summary(model3)
sm3
```

```
##
## Call:
## lm(formula = Rating ~ CocoaPercentage + I(CocoaPercentage^2),
##     data = flavours)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.23467 -0.23467  0.02292  0.28388  1.76533
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   -1.9034092   0.6411626  -2.969   0.00303 **
## CocoaPercentage    0.1484531   0.0170079   8.729 < 2e-16 ***
## I(CocoaPercentage^2) -0.0010722   0.0001127  -9.510 < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.4603 on 1792 degrees of freedom
## Multiple R-squared:  0.0739, Adjusted R-squared:  0.07287
## F-statistic: 71.5 on 2 and 1792 DF, p-value: < 2.2e-16
```

```
#plotting residual plots for Model 3
par(mfrow=c(2,2))
plot(model3)
```



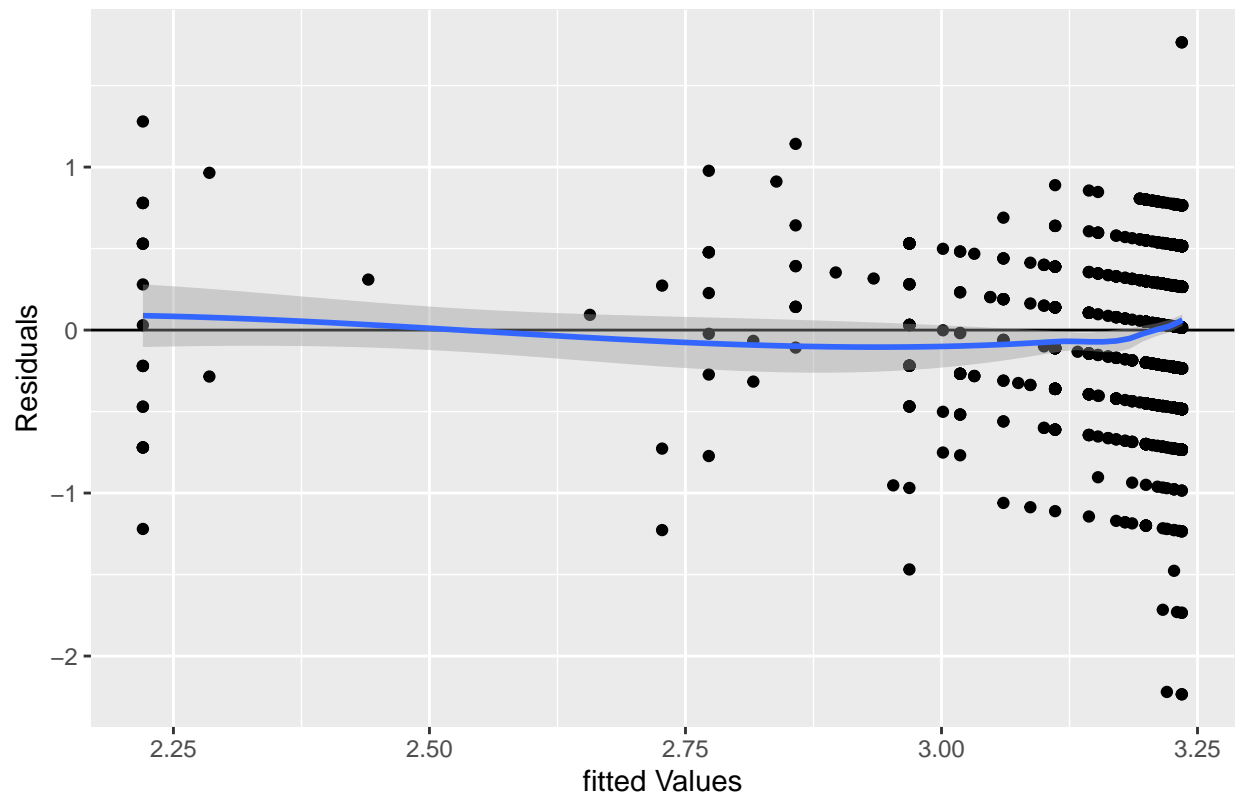
```
#printing RMSE for Model 3
mean(sm3$residuals^2)
```

```
## [1] 0.2115356
```

```
ggplot(data=model3,
       aes(x=.fitted, y=.resid)) +
  geom_point( ) +
  geom_hline(yintercept=0) +
  geom_smooth(se=TRUE, method="loess",
             method.args=list(degree=1, family="symmetric")) +
  labs(x="fitted Values", y="Residuals", title="Residuals vs Fitted plot for predicting Rating with poly")
```

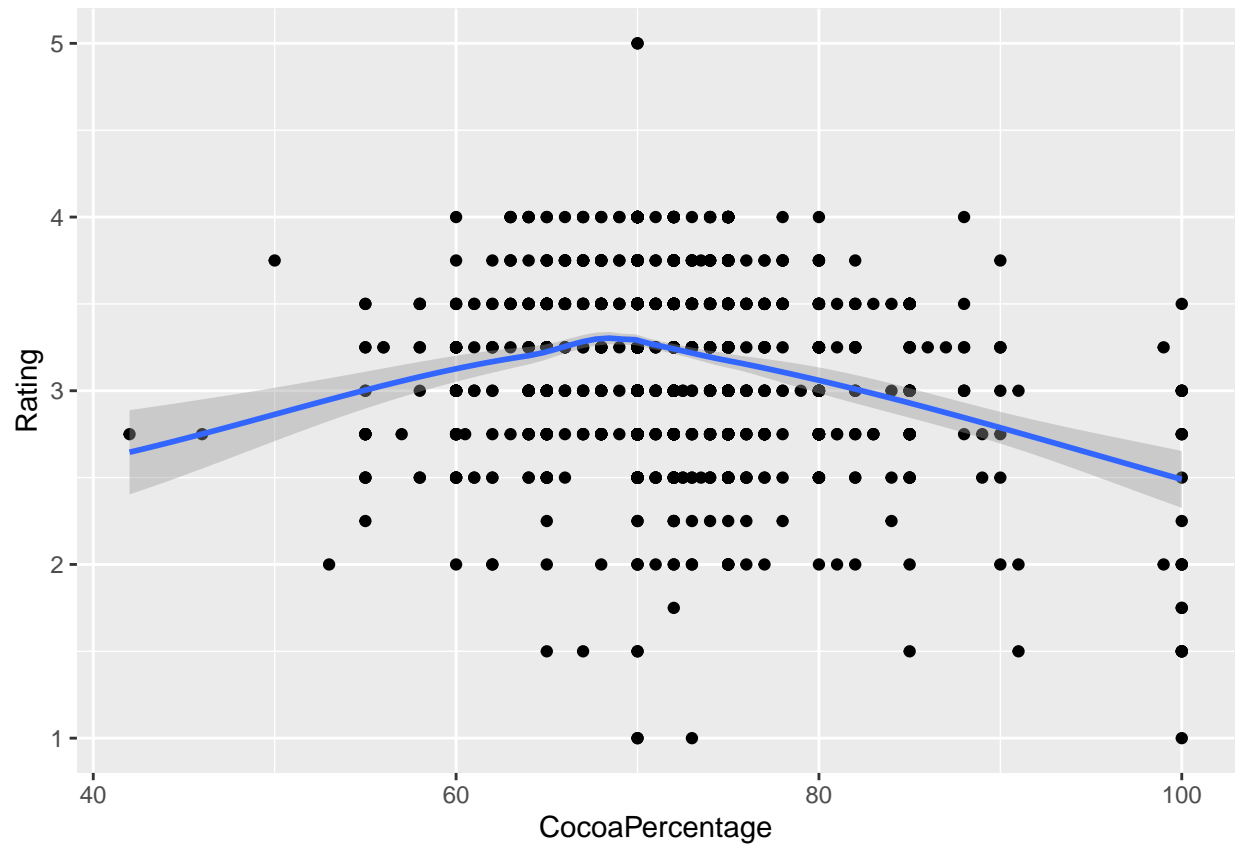
```
## 'geom_smooth()' using formula 'y ~ x'
```

Residuals vs Fitted plot for predicting Rating with polynomial of CocoaPerce

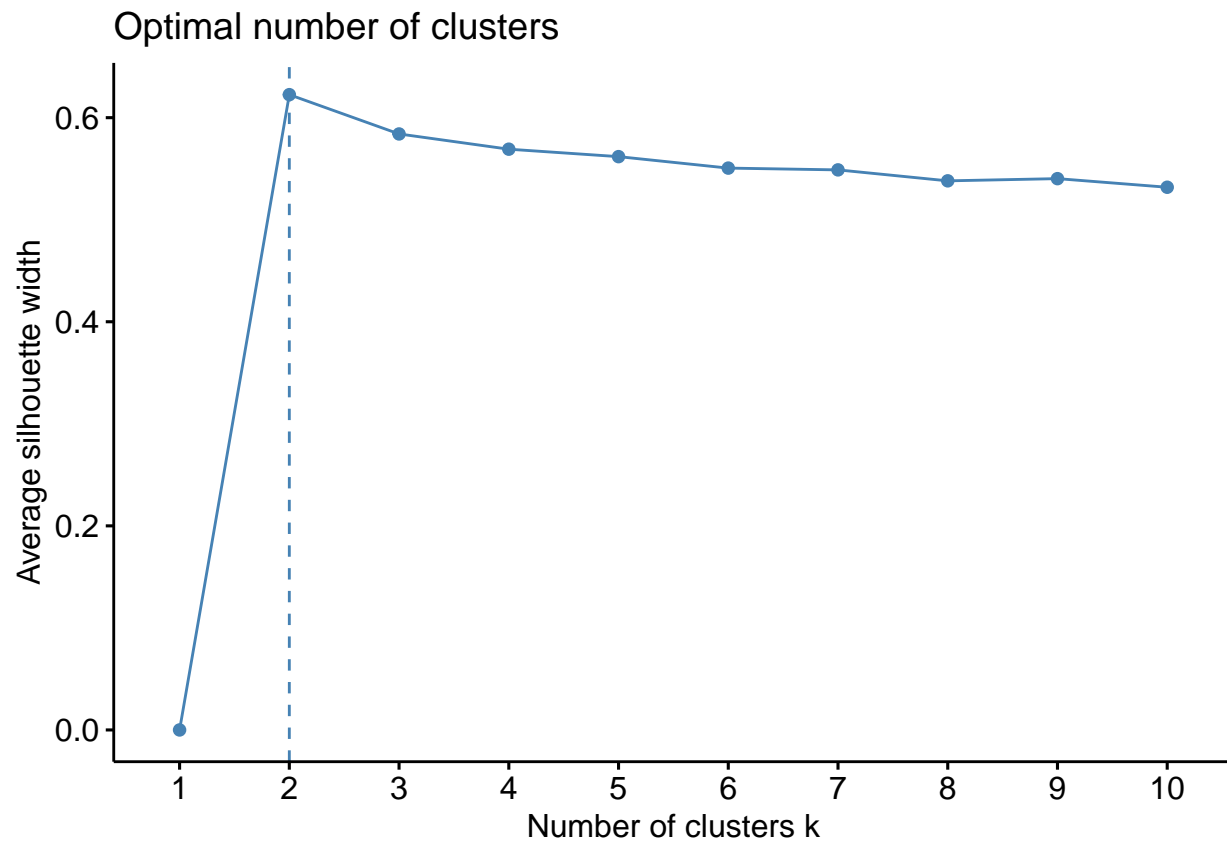


```
#Plot for CocoaPercentage vs Rating
ggplot(aes(x=CocoaPercentage, y=Rating), data=flavours) +
  geom_point() +
  geom_smooth(se=TRUE, method="loess",
             method.args=list(degree=1, family="symmetric")) +
  labs( x= "CocoaPercentage", y="Rating")
```

```
## 'geom_smooth()' using formula 'y ~ x'
```



```
#perform k-means  
flavours_kmeans <- dplyr::select(flavours, Rating, CocoaPercentage, ReviewDate, REF)  
  
#Optimal number of clusters using silhouette method  
fviz_nbclust(flavours_kmeans, kmeans, method = "silhouette")
```

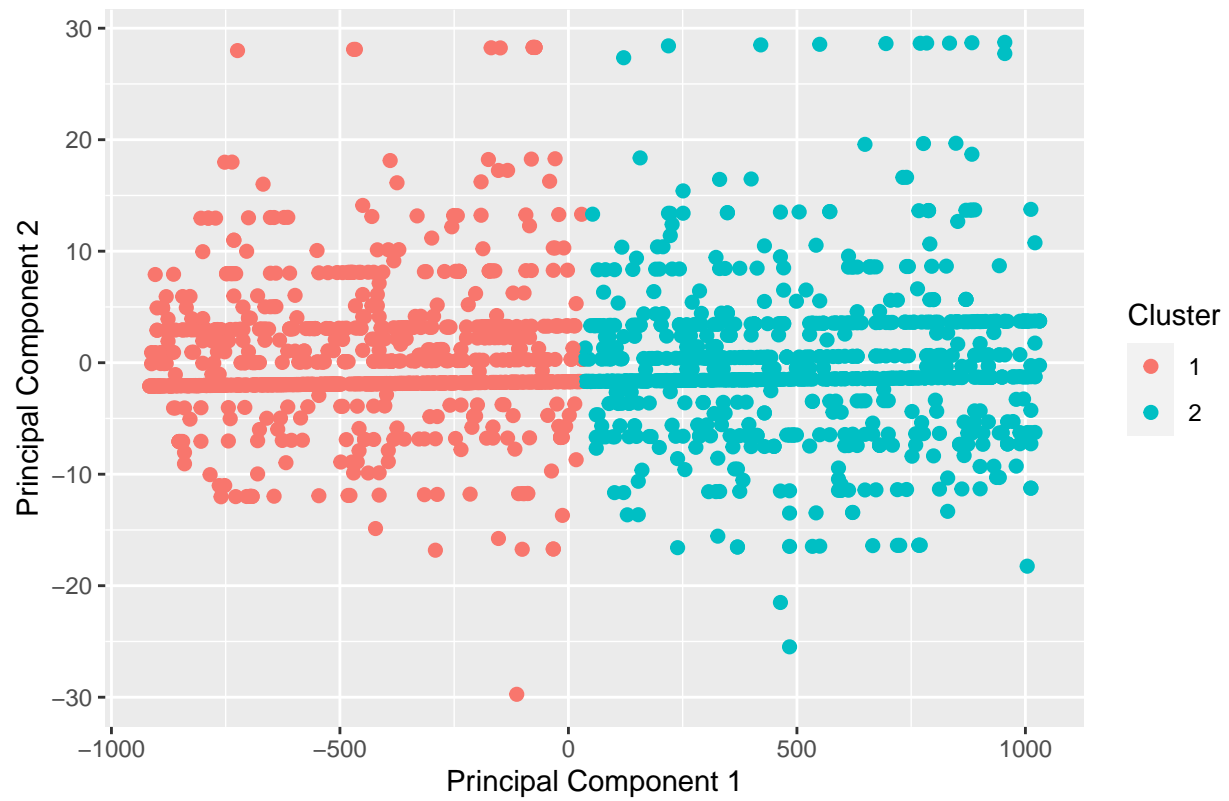


```
#perform k-means
CompanyK2N5<- kmeans(x=flavours_kmeans, centers=2, nstart=30)
#centers
CompanyK2N5$centers
```

```
##      Rating CocoaPercentage ReviewDate      REF
## 1 3.218588      72.05348    2014.626 1479.1796
## 2 3.148137      71.28726    2009.662  522.8353
```

```
#plotting k means plot
plot.kmeans(CompanyK2N5, data=flavours_kmeans)
```

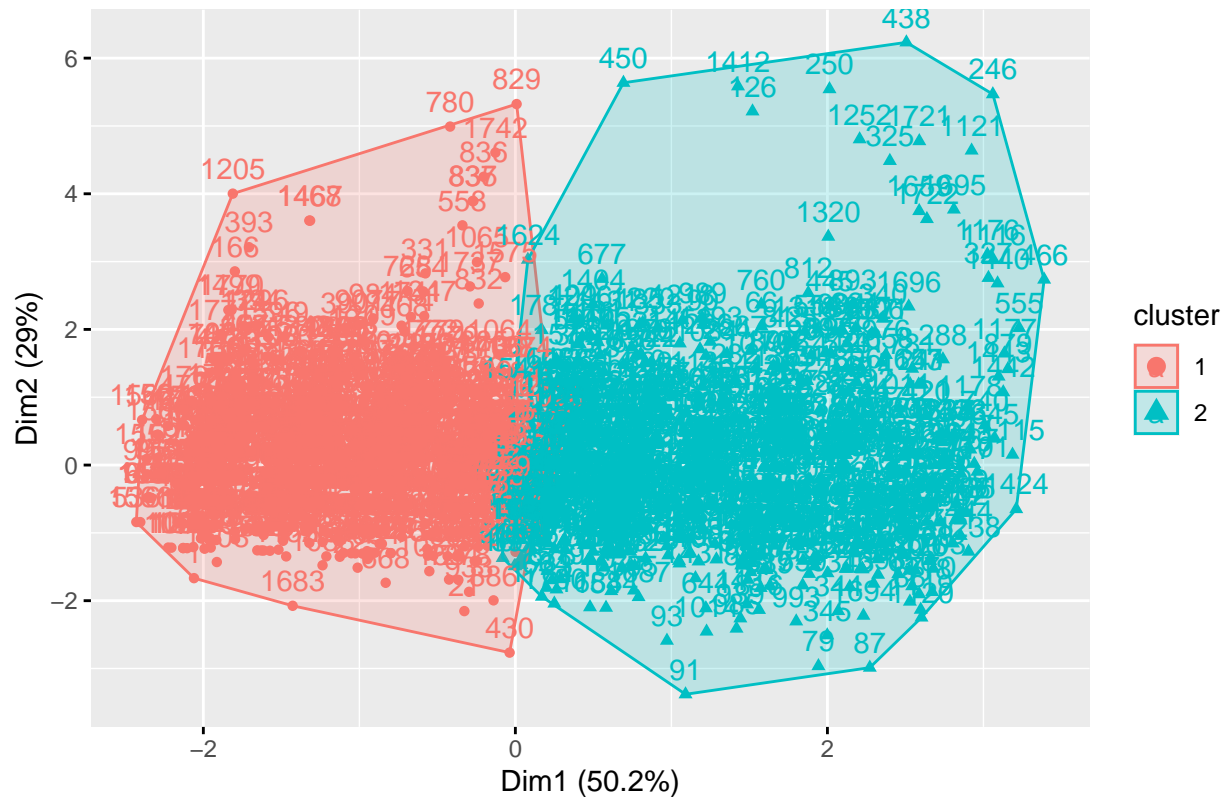
### K-Means Results



```
fviz_cluster(CompanyK2N5,data=flavours_kmeans)
```



Cluster plot



```
#Random Forests
set.seed(599)
```

```
flavours_rf <- select(flavours,c(BeanOrigin,Rating,CocoaPercentage,REF,ReviewDate,CompanyLocation))
head(flavours_rf)
```

```
##      BeanOrigin Rating CocoaPercentage  REF ReviewDate CompanyLocation
## 1 Agua Grande   3.75             63 1876      2016          France
## 2      Kprime    2.75             70 1676      2015          France
## 3      Atsane    3.00             70 1676      2015          France
## 4       Akata    3.50             70 1680      2015          France
## 5      Quilla    3.50             70 1704      2015          France
## 6   Carenero    2.75             70 1315      2014          France
```

```
train = sample(1:nrow(flavours_rf), nrow(flavours_rf)/2)
head(train)
```

```
## [1] 108 900 618 401 804 746
```

```
set.seed(111)
bag.flavours=randomForest(Rating~., data=flavours_rf, subset=train,mtry=2,
                           importance=TRUE,ntrees=500)
```

```
bag.flavours
```

```
##
## Call:
## randomForest(formula = Rating ~ ., data = flavours_rf, mtry = 2,      importance = TRUE, ntrees = 500)
##           Type of random forest: regression
##           Number of trees: 500
## No. of variables tried at each split: 2
##
##           Mean of squared residuals: 0.1976428
##           % Var explained: 8.38
```

```
# plot OOB-estimated MSE vs # trees
plot(bag.flavours, main="Bagged trees", mtry=2)
```

```
## Warning in plot.window(...): "mtry" is not a graphical parameter
```

```
## Warning in plot.xy(xy, type, ...): "mtry" is not a graphical parameter
```

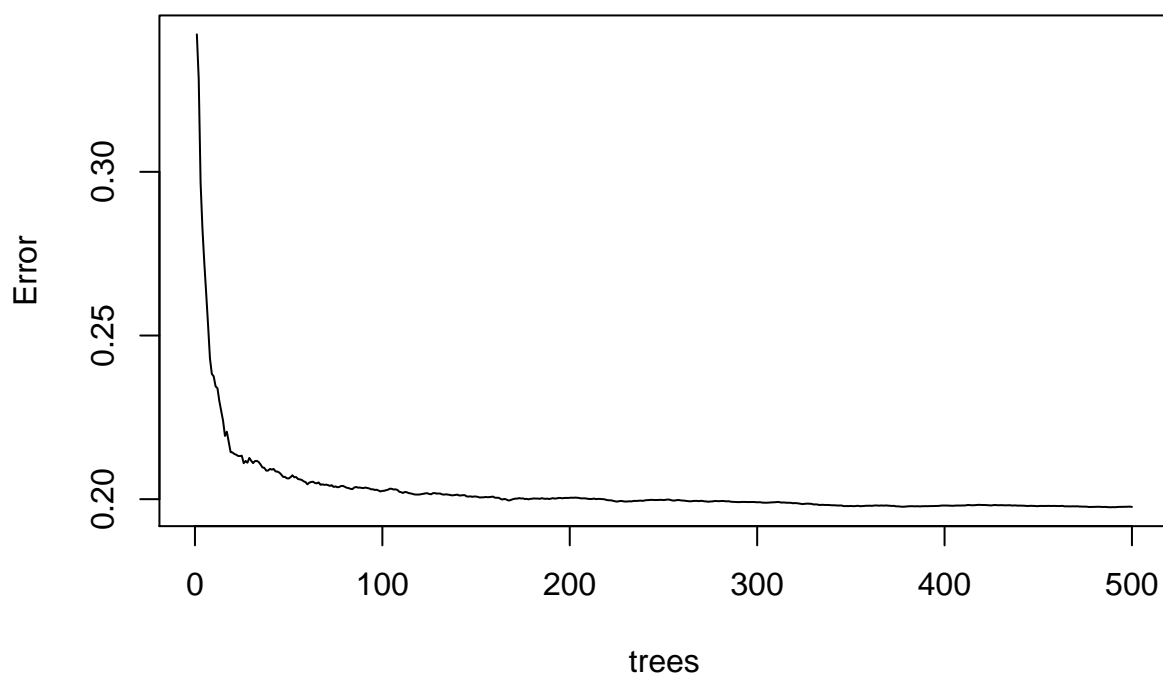
```
## Warning in axis(side = side, at = at, labels = labels, ...): "mtry" is not a
## graphical parameter
```

```
## Warning in axis(side = side, at = at, labels = labels, ...): "mtry" is not a
## graphical parameter
```

```
## Warning in box(...): "mtry" is not a graphical parameter
```

```
## Warning in title(...): "mtry" is not a graphical parameter
```

## Bagged trees

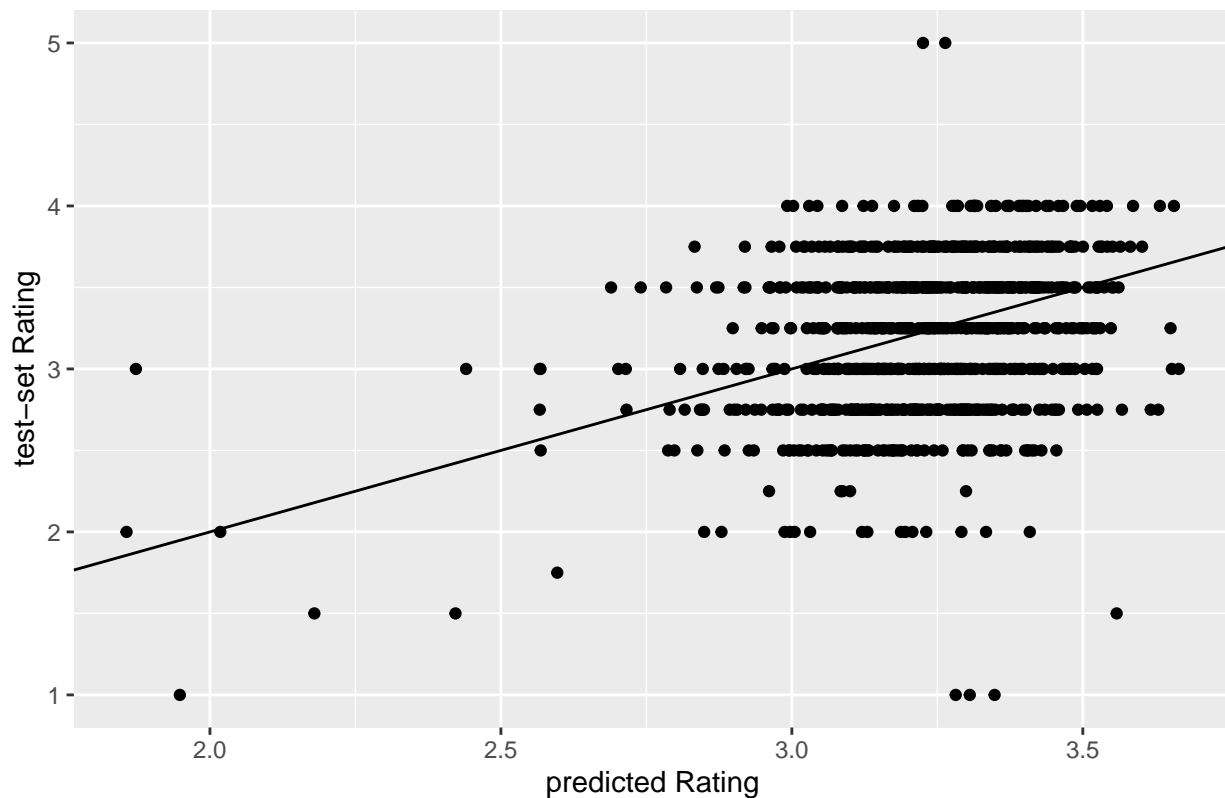


```
# Compute test MSE for bagged trees
flavours_rf.test=flavours[-train,"Rating"]
yhat.bag = predict(bag.flavours,newdata=flavours_rf[-train,],na.action = na.pass)
#RMSE for Random Forest model
mean((yhat.bag-flavours_rf.test)^2)
```

```
## [1] 0.2217365
```

```
#plotting test set rating vs predicted rating
ggplot(data.frame(yhat.bag, flavours_rf.test),
  aes(x=yhat.bag ,y=flavours_rf.test)) +
  geom_point() +
  geom_abline(slope=1,intercept=0) +
  labs(x="predicted Rating",
    y="test-set Rating",
    title="Plot for test set rating vs predicted rating")
```

Plot for test set rating vs predicted rating



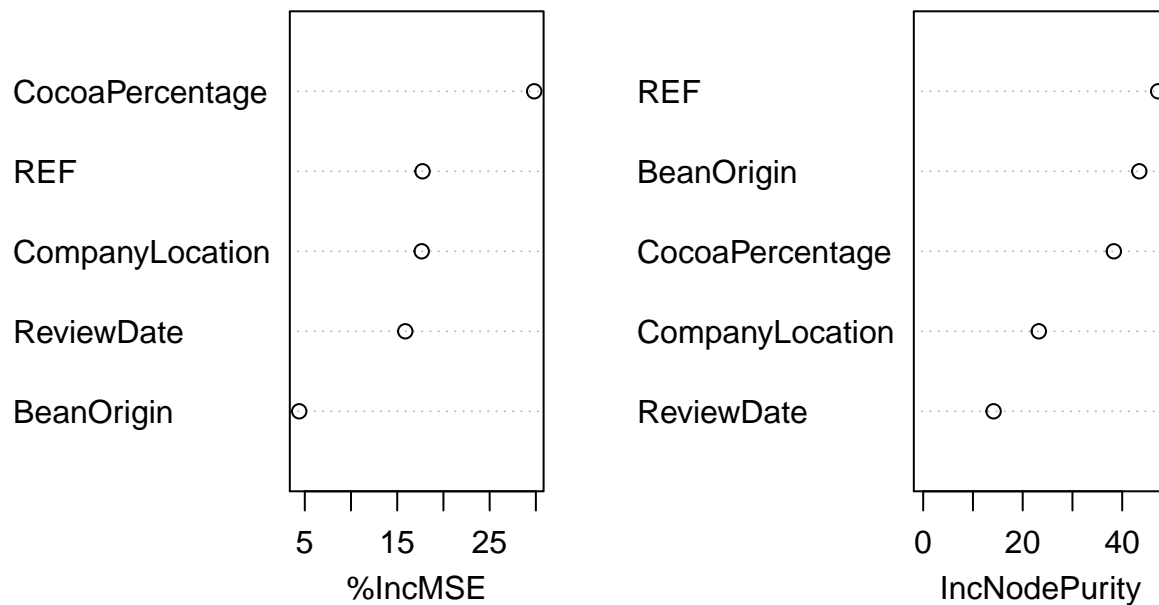
```
#finding important variables using importance function
importance(bag.flavours)
```

```
##           %IncMSE IncNodePurity
## BeanOrigin      4.394564      43.43669
## CocoaPercentage 29.818762      38.31675
## REF             17.737421      47.23556
```

```
## ReviewDate      15.871939      14.14485
## CompanyLocation 17.649193      23.23854
```

```
varImpPlot(bag.flavours,main = 'Variable Importance Plot for Predicting Rating')
```

## Variable Importance Plot for Predicting Rating



```
#printing Confusion matrix
table(flavours_rf.test,yhat.bag)
```

```
##          yhat.bag
## flavours_rf.test 1.85668333333333 1.872775 1.94828333333333 2.01781666666667
##          1          0          0          1          0
##          1.5        0          0          0          0
##          1.75        0          0          0          0
##          2          1          0          0          1
##          2.25        0          0          0          0
##          2.5        0          0          0          0
##          2.75        0          0          0          0
##          3          0          1          0          0
##          3.25        0          0          0          0
##          3.5        0          0          0          0
##          3.75        0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 2.179475 2.421975 2.44024761904762 2.56686428571429 2.5681
```

```

##          1          0          0          0          0          0
##          1.5        1          1          0          0          0
##          1.75       0          0          0          0          0
##          2          0          0          0          0          0
##          2.25       0          0          0          0          0
##          2.5        0          0          0          0          0
##          2.75       0          0          0          1          0
##          3          0          0          1          1          1
##          3.25       0          0          0          0          0
##          3.5        0          0          0          0          0
##          3.75       0          0          0          0          0
##          4          0          0          0          0          0
##          5          0          0          0          0          0
##          yhat.bag
## flavours_rf.test 2.56841428571429 2.59685277777778 2.68935 2.701725 2.714675
##          1          0          0          0          0          0
##          1.5        0          0          0          0          0
##          1.75       0          1          0          0          0
##          2          0          0          0          0          0
##          2.25       0          0          0          0          0
##          2.5        1          0          0          0          0
##          2.75       0          0          0          0          0
##          3          0          0          0          1          1
##          3.25       0          0          0          0          0
##          3.5        0          0          1          0          0
##          3.75       0          0          0          0          0
##          4          0          0          0          0          0
##          5          0          0          0          0          0
##          yhat.bag
## flavours_rf.test 2.71589345238095 2.74035595238095 2.78387445887446
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          1          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 2.78733571428572 2.79001666666667 2.798175 2.808 2.815875
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        1          0          1          0
##          2.75       0          1          0          0
##          3          0          0          0          1
##          3.25       0          0          0          0

```

```

##          3.5          0          0          0          0          0
##          3.75         0          0          0          0          0
##          4           0          0          0          0          0
##          5           0          0          0          0          0
##          yhat.bag
## flavours_rf.test 2.83290833333333 2.83676428571429 2.83762104978355
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          1
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          1          0
##          3.75        1          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 2.84218333333333 2.84465 2.84689166666667 2.84723611111111
##          1           0          0          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0
##          2           0          0          0          0
##          2.25        0          0          0          0
##          2.5         0          0          0          0
##          2.75        1          1          0          1
##          3           0          0          1          0
##          3.25        0          0          0          0
##          3.5         0          0          0          0
##          3.75        0          0          0          0
##          4           0          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 2.84904444444444 2.84930277777778 2.86988511904762
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          1          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        1          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          1
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 2.87388214285714 2.87410595238095 2.87908968253968
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0

```

```

##          2          0          0          1
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##         3         0          1          0
##        3.25        0          0          0
##        3.5         1          0          0
##        3.75        0          0          0
##         4         0          0          0
##         5         0          0          0
##          yhat.bag
## flavours_rf.test 2.88270178571429 2.8844 2.89336666666667 2.89844166666666
##          1          0          0          0          0
##         1.5        0          0          0          0
##         1.75       0          0          0          0
##          2         0          0          0          0
##        2.25       0          0          0          0
##        2.5        0          1          0          0
##        2.75       0          0          1          0
##          3         1          0          0          0
##        3.25       0          0          0          1
##        3.5        0          0          0          0
##        3.75       0          0          0          0
##          4         0          0          0          0
##          5         0          0          0          0
##          yhat.bag
## flavours_rf.test 2.90105158730159 2.90494761904762 2.90628333333333
##          1          0          0          0
##         1.5        0          0          0
##         1.75       0          0          0
##          2         0          0          0
##        2.25       0          0          0
##        2.5        0          0          0
##        2.75       1          0          1
##          3         0          1          0
##        3.25       0          0          0
##        3.5        0          0          0
##        3.75       0          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 2.91717738095238 2.91923611111111 2.92018928571429
##          1          0          0          0
##         1.5        0          0          0
##         1.75       0          0          0
##          2         0          0          0
##        2.25       0          0          0
##        2.5        0          0          0
##        2.75       0          0          0
##          3         0          0          0
##        3.25       0          0          0
##        3.5         1          0          1
##        3.75       0          1          0
##          4         0          0          0

```

```

##          5          0          0          0
##          yhat.bag
## flavours_rf.test 2.92044659090909 2.9207 2.92227619047619 2.92564285714286
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       0          1          0          0
##          3          1          0          1          1
##          3.25       0          0          0          0
##          3.5        0          0          0          0
##          3.75       0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 2.92603015873016 2.93464166666667 2.93633928571429
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        1          1          0
##          2.75       0          0          1
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 2.94742261904762 2.94805952380952 2.960175 2.9608
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          1
##          2.5        0          0          0          0
##          2.75       1          0          0          0
##          3          0          0          0          0
##          3.25       0          1          0          0
##          3.5        0          0          1          0
##          3.75       0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 2.96206416500167 2.9629314484127 2.96380476190476 2.965125
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0

```



```

##          2.75          0          0          0          0
##          3           0          0          0          0
##          3.25        0          0          0          0
##          3.5         1          1          1          0
##          3.75        0          0          0          1
##          4           0          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 2.96519431818182 2.96669123376623 2.96681168300654
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          1
##          3           0          1          0
##          3.25        1          0          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 2.9684630952381 2.97027142857143 2.97191507936508
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          1          1
##          3.25        1          0          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 2.97336666666667 2.97653700449877 2.97706666666667
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        1          1          1
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 2.97833333333333 2.9786375 2.97931901848152 2.98017083333333

```

```

##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       1          0          0          0
##          3          0          0          0          0
##          3.25       0          0          0          0
##          3.5        0          0          1          1
##          3.75       0          1          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 2.98502142857143 2.98740135281385 2.98754642857143 2.989525
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          1          0
##          2.25       0          0          0          0
##          2.5        1          0          0          0
##          2.75       0          0          0          0
##          3          0          1          0          0
##          3.25       0          0          0          0
##          3.5        0          0          0          1
##          3.75       0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 2.99026388888889 2.992 2.99431507936508 2.99519083800187
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          1
##          2.75       1          0          1          0
##          3          0          0          0          0
##          3.25       0          0          0          0
##          3.5        0          0          0          0
##          3.75       0          0          0          0
##          4          0          1          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 2.9957961038961 2.99687261904762 2.99728333333333 2.99875
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          1          0          0
##          2.25       0          0          0          0
##          2.5        1          0          0          0
##          2.75       0          0          0          0
##          3          0          0          0          0
##          3.25       0          0          1          1

```

```

##          3.5          0          0          0          0
##          3.75         0          0          0          0
##          4           0          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.00223511904762 3.00348095238095 3.00485773809524
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          1
##          2.25        0          0          0
##          2.5         0          1          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           1          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.00721111111111 3.008158495671 3.0120150974026
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          1
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          1          0
##          3.75        1          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.01546924603175 3.01616061560988 3.01619761904762
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          1          0
##          2.75        1          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          1
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.01990266955267 3.02005357142857 3.020275 3.02234285714286
##          1           0          0          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0

```

```

##          2          0          0          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        0          1          0          0
##          3         0          0          0          0
##        3.25        0          0          0          0
##        3.5         1          0          0          0
##        3.75        0          0          1          1
##          4         0          0          0          0
##          5         0          0          0          0
##          yhat.bag
## flavours_rf.test 3.02540572209653 3.02580912698413 3.02673333333333
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          1
##        2.75        0          0          0
##          3         1          0          0
##        3.25        0          1          0
##        3.5         0          0          0
##        3.75        0          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.02789114912865 3.028533333333334 3.02964166666667
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          1          0
##        2.75        0          0          0
##          3         0          0          0
##        3.25        0          0          0
##        3.5         1          0          0
##        3.75        0          0          0
##          4         0          0          1
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.03110244200244 3.03143849206349 3.03333658008658 3.034275
##          1          0          0          0          0
##        1.5         0          0          0          0
##        1.75        0          0          0          0
##          2         0          1          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        0          0          0          0
##          3         0          0          0          0
##        3.25        0          0          0          0
##        3.5         1          0          1          0
##        3.75        0          0          0          1
##          4         0          0          0          0

```

```

##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.0344969201636 3.03693333333333 3.03743095238095
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          0          0
##          3          0          0          1
##          3.25       0          1          0
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.04021666666667 3.04206813811189 3.04214492296919
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          1          0
##          2.75       0          0          0
##          3          0          0          1
##          3.25       0          0          0
##          3.5        1          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.04240811965812 3.04380456349206 3.0439130952381
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          1          0          0
##          3.25       0          0          0
##          3.5        0          1          0
##          3.75       0          0          0
##          4          0          0          1
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.04509642857143 3.04527867116544 3.0466 3.04668144894321
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0

```

```

##          2.75          0          0          0          0
##          3            0          0          0          0
##          3.25          0          0          0          1
##          3.5           1          1          0          0
##          3.75          0          0          1          0
##          4            0          0          0          0
##          5            0          0          0          0
##          yhat.bag
## flavours_rf.test 3.04865892857143 3.049025 3.05160833333333 3.05171594728801
##          1            0          0          0          0
##          1.5           0          0          0          0
##          1.75          0          0          0          0
##          2            0          0          0          0
##          2.25          0          0          0          0
##          2.5           0          0          0          0
##          2.75          0          1          0          1
##          3            0          0          0          0
##          3.25          1          0          1          0
##          3.5           0          0          0          0
##          3.75          0          0          0          0
##          4            0          0          0          0
##          5            0          0          0          0
##          yhat.bag
## flavours_rf.test 3.05228398962149 3.05274583333333 3.05332380952381
##          1            0          0          0
##          1.5           0          0          0
##          1.75          0          0          0
##          2            0          0          0
##          2.25          0          0          0
##          2.5           0          0          0
##          2.75          1          1          0
##          3            0          0          0
##          3.25          0          0          1
##          3.5           0          0          0
##          3.75          0          0          0
##          4            0          0          0
##          5            0          0          0
##          yhat.bag
## flavours_rf.test 3.05335833333333 3.05421004273504 3.05475592324343
##          1            0          0          0
##          1.5           0          0          0
##          1.75          0          0          0
##          2            0          0          0
##          2.25          0          0          0
##          2.5           1          0          0
##          2.75          0          0          0
##          3            0          0          0
##          3.25          0          1          1
##          3.5           0          0          0
##          3.75          0          0          0
##          4            0          0          0
##          5            0          0          0
##          yhat.bag
## flavours_rf.test 3.05491666666667 3.05532767857143 3.0561130952381

```

```

##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          1
##          3          1          1          0
##          3.25       0          0          0
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.05676706349207 3.05724166666667 3.05843787878788
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          1          0
##          3.5        0          0          1
##          3.75       1          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.05974206349206 3.06276017316017 3.06359226190477 3.0643625
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        1          0          0          1
##          2.75       0          0          0          0
##          3          0          1          1          0
##          3.25       0          0          0          0
##          3.5        0          0          0          0
##          3.75       0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.06561992296919 3.06584166666667 3.06767638888889
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          0          1
##          3          0          0          0
##          3.25       0          0          0

```

```

##          3.5          0          0          0
##          3.75         0          1          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.0678380952381 3.0686625 3.07084444444445 3.07102577838828
##          1           0          0          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0
##          2           0          0          0          0
##          2.25        0          0          0          0
##          2.5         1          1          0          0
##          2.75        0          0          1          0
##          3           0          0          0          1
##          3.25        0          0          0          0
##          3.5         0          0          0          0
##          3.75        0          0          0          0
##          4           0          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.07111240132417 3.07334956709957 3.07463333333333
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        1          0          0
##          3           0          1          1
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.07474752037178 3.07785873015873 3.07786309523809
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        1          0          0
##          3           0          0          0
##          3.25        0          0          1
##          3.5         0          1          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.07844880952381 3.07861634199134 3.07915470848596
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0

```



```

##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         0          0          1
##        3.25        1          0          0
##        3.5         0          0          0
##        3.75        0          1          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.07931143210094 3.07947135854342 3.07949642857143
##          1         0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          1          0
##          3         0          0          0
##        3.25        0          0          1
##        3.5         0          0          0
##        3.75        1          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.07971706349206 3.07973611111111 3.07975833333333
##          1         0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         1          1          1
##        3.25        0          0          0
##        3.5         0          0          0
##        3.75        0          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.07984861111111 3.08102906799083 3.081175 3.08184880952381
##          1         0          0          0          0
##        1.5         0          0          0          0
##        1.75        0          0          0          0
##          2         0          0          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        0          0          0          0
##          3         0          0          0          0
##        3.25        0          0          1          0
##        3.5         0          1          0          1
##        3.75        1          0          0          0
##          4         0          0          0          0

```

```

##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.08275873015873 3.08390833333333 3.08416553724054
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          1          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        1          0          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.08605644894321 3.08614523809524 3.08639226190476
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        1          1          0
##          3.75       0          0          0
##          4          0          0          1
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.08652857142857 3.08719464285715 3.08742083333334
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          1          0
##          2.5        0          0          1
##          2.75       0          0          0
##          3          0          0          0
##          3.25       1          0          0
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.08754244505495 3.08786964285714 3.09022916666667
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0

```

```

##          2.75          0          0          0
##          3          0          0          0
##          3.25          0          1          1
##          3.5          0          0          0
##          3.75          1          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.09249285714286 3.09274583333333 3.0934375 3.09351607142857
##          1          0          0          0          0
##          1.5          0          0          0          0
##          1.75          0          0          0          0
##          2          0          0          0          0
##          2.25          0          0          0          0
##          2.5          1          0          0          0
##          2.75          0          0          1          0
##          3          0          0          0          1
##          3.25          0          1          0          0
##          3.5          0          0          0          0
##          3.75          0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.09429702380952 3.09460714285714 3.09528214285714
##          1          0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2          0          0          0
##          2.25          0          0          0
##          2.5          0          0          0
##          2.75          0          0          0
##          3          0          0          0
##          3.25          0          1          0
##          3.5          1          0          0
##          3.75          0          0          1
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.09607575757576 3.09784177489178 3.09965146103896
##          1          0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2          0          0          0
##          2.25          0          0          0
##          2.5          0          0          0
##          2.75          0          0          0
##          3          1          1          1
##          3.25          0          0          0
##          3.5          0          0          0
##          3.75          0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.09994111721612 3.10013035714286 3.100525 3.10065178571429

```

```

##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          1          0          0
##          2.5        0          0          0          1
##          2.75       0          0          0          0
##          3          0          0          0          0
##          3.25       0          0          0          0
##          3.5        0          0          0          0
##          3.75       1          0          1          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.10067063492064 3.10080096872082 3.1020623015873
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          0          1
##          3          0          0          0
##          3.25       0          1          0
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.10255476190476 3.10295476190476 3.10409642857143
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          1          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          0          0
##          3.75       0          0          1
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.10556601731602 3.10559166666667 3.1059625 3.10730198412699
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       0          0          1          0
##          3          0          1          0          0
##          3.25       0          0          0          0

```

```

##          3.5          1          0          0          1
##          3.75         0          0          0          0
##          4           0          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.10745615079365 3.108351558707 3.10850654761905
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        1          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          1          1
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.10892288544788 3.1093880952381 3.11040595238095
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         1          0          0
##          2.75        0          0          0
##          3           0          0          1
##          3.25        0          0          0
##          3.5         0          1          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.11041059757236 3.11048803044221 3.111775 3.11200958902209
##          1           0          0          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0
##          2           0          0          0          0
##          2.25        0          0          0          0
##          2.5         0          0          0          0
##          2.75        0          0          1          1
##          3           0          1          0          0
##          3.25        1          0          0          0
##          3.5         0          0          0          0
##          3.75        0          0          0          0
##          4           0          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.11218333333333 3.1123264671319 3.1126 3.11368333333333
##          1           0          0          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0

```

```

##          2          0          0          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          1
##        2.75        1          1          1          0
##          3         0          0          0          0
##        3.25        0          0          0          0
##        3.5         0          0          0          0
##        3.75        0          0          0          0
##          4         0          0          0          0
##          5         0          0          0          0
##          yhat.bag
## flavours_rf.test 3.11475238095238 3.11561666666667 3.11696704014939
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         1          0          0
##        3.25        0          0          0
##        3.5         0          1          0
##        3.75        0          0          1
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.11767111344538 3.11908533549784 3.11970396062271
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          1          0
##          3         0          0          0
##        3.25        0          0          0
##        3.5         1          0          0
##        3.75        0          0          1
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.12053888888889 3.1206 3.12070946969697 3.12203968253968
##          1          0          0          0          0
##        1.5         0          0          0          0
##        1.75        0          0          0          0
##          2         0          1          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        0          0          0          1
##          3         1          0          0          0
##        3.25        0          0          1          0
##        3.5         0          0          0          0
##        3.75        0          0          0          0
##          4         0          0          0          0

```

```

##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.12232698412698 3.12306466908135 3.12326904761905
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          1          0          0
##          3.25       0          0          0
##          3.5        0          0          0
##          3.75       0          0          1
##          4          0          1          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.12359284604285 3.12437808441559 3.12502079291556
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        1          1          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          0          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.12520098390172 3.12542261904762 3.12550833333333
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          1          0          0
##          3.25       0          0          0
##          3.5        0          0          1
##          3.75       0          1          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.12584752037179 3.12690238095238 3.12719823232323
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        1          0          0

```

```

##          2.75          0          0          1
##          3           0          1          0
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.12899166666667 3.12917361111111 3.12928214285714
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        1          0          0
##          3           0          0          1
##          3.25        0          1          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.12981666666667 3.13038133574801 3.13226547619048
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           1          0          0
##          2.25        0          0          0
##          2.5         0          1          1
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.13237599206349 3.13347380952381 3.13355347275274
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          1
##          3           1          0          0
##          3.25        0          1          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.1338130952381 3.13561071428572 3.13567003968254

```



```

##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          1          0
##          3          0          0          0
##          3.25       0          0          1
##          3.5        1          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.13607023809524 3.13626797161172 3.13657142857143
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          1          0
##          3          1          0          0
##          3.25       0          0          1
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.13657323232323 3.13669043821675 3.13702115384615
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          1          0
##          3.75       0          0          1
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.13782976190476 3.13790299145299 3.13979841269841
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          0          0
##          3          0          0          1
##          3.25       0          0          0

```

```

##          3.5          0          0          0
##          3.75         0          0          0
##          4           0          1          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.14123194444445 3.1417 3.14173000109794 3.14194967293629
##          1           0          0          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0
##          2           0          0          0          0
##          2.25        0          0          0          0
##          2.5         0          0          0          0
##          2.75        1          0          1          0
##          3           0          0          0          0
##          3.25        0          1          0          1
##          3.5         0          0          0          0
##          3.75        0          0          0          0
##          4           0          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.14247813277083 3.14299489618673 3.14417242063492
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        1          0          0
##          3.5         0          0          1
##          3.75        0          1          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.14495833333333 3.14576666666667 3.14593825757576
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        1          0          0
##          3           0          0          0
##          3.25        0          1          0
##          3.5         0          0          1
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.14644166666667 3.14649056491969 3.14673194444444
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0

```

```

##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         0          1          1
##        3.25        1          0          0
##        3.5         0          0          0
##        3.75        0          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.14728333333333 3.1479977443609 3.14831547619048
##          1         0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          1          0
##        2.75        0          0          0
##          3         0          0          1
##        3.25        0          0          0
##        3.5         0          0          0
##        3.75        1          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.14879444444444 3.14938695144725 3.14962619047619
##          1         0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         1          0          1
##        3.25        0          0          0
##        3.5         0          1          0
##        3.75        0          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.14989583333333 3.15085642690643 3.15125113722062
##          1         0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        1          0          1
##          3         0          0          0
##        3.25        0          0          0
##        3.5         0          1          0
##        3.75        0          0          0
##          4         0          0          0

```

```

##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.15186527777778 3.15393392857143 3.15437142857143
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          1          0          0
##          3.25       0          1          1
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.15586071428572 3.15607916666667 3.15643658963585
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          1
##          3.25       1          1          0
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.15644781746032 3.15680258654744 3.15707537878788
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          1          0
##          2.75       0          0          0
##          3          0          0          1
##          3.25       0          0          0
##          3.5        1          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.15776527777778 3.15840436507937 3.1592924522373
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0

```

```

##          2.75          0          0          0
##          3           1          0          1
##          3.25          0          1          0
##          3.5           0          0          0
##          3.75          0          0          0
##          4            0          0          0
##          5            0          0          0
##          yhat.bag
## flavours_rf.test 3.15958194444445 3.15968690476191 3.16149464285714
##          1            0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2            0          0          0
##          2.25          0          0          0
##          2.5           1          0          0
##          2.75          0          0          0
##          3            0          0          1
##          3.25          0          1          0
##          3.5           0          0          0
##          3.75          0          0          0
##          4            0          0          0
##          5            0          0          0
##          yhat.bag
## flavours_rf.test 3.1618001984127 3.16225096872082 3.16313192918193
##          1            0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2            0          0          0
##          2.25          0          0          0
##          2.5           0          0          0
##          2.75          1          0          0
##          3            0          1          0
##          3.25          0          0          0
##          3.5           0          0          1
##          3.75          0          0          0
##          4            0          0          0
##          5            0          0          0
##          yhat.bag
## flavours_rf.test 3.16432587535014 3.16433333333333 3.16441071428572
##          1            0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2            0          0          0
##          2.25          0          0          0
##          2.5           0          0          0
##          2.75          0          1          1
##          3            0          0          0
##          3.25          0          0          0
##          3.5           1          0          0
##          3.75          0          0          0
##          4            0          0          0
##          5            0          0          0
##          yhat.bag
## flavours_rf.test 3.16462501526251 3.16577916666667 3.16596785714286

```

```

##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        1          0          1
##          3.75       0          1          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.16611984126984 3.16626666666667 3.16633333333333
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          1
##          3.25       0          0          0
##          3.5        1          1          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.16656706349206 3.16741666666667 3.16810992063492
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          1          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       1          0          1
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.16967857142857 3.17003333333333 3.17046666666667 3.17055
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       0          0          0          0
##          3          1          1          1          0
##          3.25       0          0          0          1

```

```

##          3.5          0          0          0          0
##          3.75         0          0          0          0
##          4           0          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.17060833333333 3.17099574446237 3.17236666666667
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          1          1
##          3           0          0          0
##          3.25        1          0          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.17245892857143 3.17265432900433 3.17331547619048
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          1
##          2.75        0          0          0
##          3           0          1          0
##          3.25        1          0          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.1737505952381 3.17423861416362 3.17533333333333
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         1          1          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          1
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.17561031746032 3.17623331244779 3.17755833333333 3.1779125
##          1           0          0          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0

```

```

##          2          0          0          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        0          0          1          0
##        3           0          0          0          0
##        3.25        0          0          0          0
##        3.5         0          0          0          0
##        3.75        0          1          0          1
##        4           1          0          0          0
##        5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.17968333333333 3.18067817460317 3.1809125 3.1812255952381
##          1          0          0          0          0
##        1.5         0          0          0          0
##        1.75        0          0          0          0
##        2           0          0          0          0
##        2.25        0          0          0          0
##        2.5         1          0          0          0
##        2.75        0          0          0          0
##        3           0          1          0          0
##        3.25        0          0          0          0
##        3.5         0          0          1          1
##        3.75        0          0          0          0
##        4           0          0          0          0
##        5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.1820880952381 3.18225215541421 3.1824522220534
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##        2           0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          1
##        3           1          0          0
##        3.25        0          1          0
##        3.5         0          0          0
##        3.75        0          0          0
##        4           0          0          0
##        5           0          0          0
##          yhat.bag
## flavours_rf.test 3.18296130952381 3.18329762375306 3.18348452380953
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##        2           0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##        3           0          1          1
##        3.25        0          0          0
##        3.5         0          0          0
##        3.75        1          0          0
##        4           0          0          0

```



```

##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.18424193722944 3.18506369047619 3.18678677503053 3.187125
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          1          0
##          2.75       0          0          0
##          3          1          0          0
##          3.25       0          0          1
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.18756625457875 3.18805833333333 3.18810224358975
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          1          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          1
##          3.25       0          0          0
##          3.5        0          1          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.18827202380952 3.18857309357309 3.18880238095238
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          1
##          2.75       0          0          0
##          3          0          1          0
##          3.25       0          0          0
##          3.5        1          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.19042538780664 3.19045833333333 3.19055631123263
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        1          0          0

```

```

##          2.75          0          0          1
##          3           0          0          0
##          3.25          0          1          0
##          3.5           0          0          0
##          3.75          0          0          0
##          4            0          0          0
##          5            0          0          0
##          yhat.bag
## flavours_rf.test 3.19098861416361 3.19125833333333 3.19144146825397
##          1           0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2           0          0          0
##          2.25          0          0          0
##          2.5           0          0          0
##          2.75          0          0          1
##          3           0          0          0
##          3.25          0          0          0
##          3.5           0          1          0
##          3.75          1          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.19160416666667 3.191737290977 3.19211071428572
##          1           0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2           0          0          0
##          2.25          0          0          0
##          2.5           0          0          0
##          2.75          0          1          1
##          3           0          0          0
##          3.25          0          0          0
##          3.5           1          0          0
##          3.75          0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.19295833333333 3.19334464285714 3.19374702380952
##          1           0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2           0          0          0
##          2.25          0          0          0
##          2.5           0          0          0
##          2.75          1          0          0
##          3           0          0          0
##          3.25          0          1          0
##          3.5           0          0          1
##          3.75          0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.19399166666667 3.19433214285714 3.19433237257024

```

```

##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          1
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          0          0
##          3.75       1          1          0
##          4          0          0          0
##          5          0          0          0
##
##          yhat.bag
## flavours_rf.test 3.19505119047619 3.1951106442577 3.19584024725275 3.19625
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          1          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       0          0          0          0
##          3          0          0          0          0
##          3.25       0          0          1          0
##          3.5        1          0          0          1
##          3.75       0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##
##          yhat.bag
## flavours_rf.test 3.19811507936508 3.19913571428571 3.19925659840136
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       1          1          0
##          3.5        0          0          0
##          3.75       0          0          1
##          4          0          0          0
##          5          0          0          0
##
##          yhat.bag
## flavours_rf.test 3.20128463203463 3.20259404761905 3.20282484110102
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          1          0          0
##          3.25       0          1          0

```

```

##          3.5          0          0          1
##          3.75         0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.2030798405327 3.2031014041514 3.20316100420431
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          0          1
##          3.5         1          0          0
##          3.75        0          1          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.20343392857143 3.20345932539682 3.20382738095238
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          1          1
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        1          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.20448988095238 3.205308333333334 3.20571982045732
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          1          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        1          0          0
##          3.5         0          0          1
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.206191666666667 3.20654095164382 3.20720892857143
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0

```

```

##          2          0          0          1
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          1          0
##          3         0          0          0
##        3.25        0          0          0
##        3.5         0          0          0
##        3.75        1          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.20775117986589 3.20812449202368 3.20833809994354 3.208475
##          1         0          0          0          0
##        1.5         0          0          0          0
##        1.75        0          0          0          0
##          2         0          0          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        1          0          0          1
##          3         0          0          1          0
##        3.25        0          0          0          0
##        3.5         0          1          0          0
##        3.75        0          0          0          0
##          4         0          0          0          0
##          5         0          0          0          0
##          yhat.bag
## flavours_rf.test 3.20880739348371 3.20934272038051 3.20983323412698 3.2101
##          1         0          0          0          0
##        1.5         0          0          0          0
##        1.75        0          0          0          0
##          2         0          0          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        0          0          0          1
##          3         0          0          0          0
##        3.25        0          0          0          0
##        3.5         1          1          1          0
##        3.75        0          0          0          0
##          4         0          0          0          0
##          5         0          0          0          0
##          yhat.bag
## flavours_rf.test 3.21024513888889 3.21104464285714 3.21158928571428
##          1         0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          1          0
##          3         0          0          1
##        3.25        0          0          0
##        3.5         0          0          0
##        3.75        0          0          0
##          4         1          0          0

```

```

##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.21256488095238 3.21319406565657 3.21323959447415
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          1          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          0          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.21328935786436 3.21372916666666 3.21425099206349
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          1
##          3          1          0          0
##          3.25       0          0          0
##          3.5        0          1          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.21447857142857 3.21451504256361 3.21482144861932
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          1          0
##          2.75       0          0          0
##          3          1          0          0
##          3.25       0          0          0
##          3.5        0          0          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.21519583333333 3.21568274153392 3.21589642857143
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          1          0

```

```

##          2.75          0          0          0
##          3          0          0          0
##          3.25          0          0          0
##          3.5          0          0          0
##          3.75          0          0          1
##          4          1          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.21633075396825 3.21786350320431 3.21789583333333
##          1          0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2          0          0          0
##          2.25          0          0          0
##          2.5          0          0          0
##          2.75          1          0          0
##          3          0          0          0
##          3.25          0          1          0
##          3.5          0          0          1
##          3.75          0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.21807222222222 3.21827785547785 3.2188809981685
##          1          0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2          0          0          0
##          2.25          0          0          0
##          2.5          0          0          0
##          2.75          0          0          1
##          3          1          0          0
##          3.25          0          0          0
##          3.5          0          0          0
##          3.75          0          0          0
##          4          0          1          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.21954246031746 3.21954291819292 3.22243869047619
##          1          0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2          0          0          0
##          2.25          0          0          0
##          2.5          0          0          0
##          2.75          0          0          1
##          3          1          1          0
##          3.25          0          0          0
##          3.5          0          0          0
##          3.75          0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.22417638888889 3.224325 3.22447857142857 3.22461537698413

```

```

##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       0          0          0          0
##          3          0          0          0          0
##          3.25       0          0          0          1
##          3.5        0          0          1          0
##          3.75       1          0          0          0
##          4          0          1          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.22461662690595 3.22493441558442 3.22507468136439
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          1
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          1          0
##          3.75       1          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.22534404761905 3.22663948412698 3.22680753968254
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          1          0
##          3.25       0          0          0
##          3.5        0          0          1
##          3.75       0          0          0
##          4          0          0          0
##          5          1          0          0
##          yhat.bag
## flavours_rf.test 3.22727101648352 3.22738452380952 3.22761193394024
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          1
##          2.75       0          0          0
##          3          0          1          0
##          3.25       0          0          0

```



```

##          3.5          1          0          0
##          3.75         0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.22770813492064 3.22831028138528 3.22847857142857
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          1          0
##          3.25        0          0          1
##          3.5         0          0          0
##          3.75        1          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.23097976190476 3.23099702380952 3.23128333333333
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           1          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          1          1
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.23210833333333 3.23215895138359 3.23224838859971
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        1          0          0
##          3           0          0          0
##          3.25        0          0          1
##          3.5         0          1          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.23231892135642 3.233075 3.23329404761905 3.23399166666667
##          1           0          0          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0

```

```

##          2          0          0          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        0          0          0          0
##          3         0          0          0          1
##        3.25        0          1          1          0
##        3.5         1          0          0          0
##        3.75        0          0          0          0
##          4         0          0          0          0
##          5         0          0          0          0
##          yhat.bag
## flavours_rf.test 3.23433295454545 3.23433377525253 3.234825 3.23569166666667
##          1          0          0          0          0
##        1.5         0          0          0          0
##        1.75        0          0          0          0
##          2          0          0          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        0          1          0          0
##          3          0          0          0          0
##        3.25        1          0          0          0
##        3.5         0          0          1          1
##        3.75        0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.23574915223665 3.23611822344322 3.23630119047619
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3          0          0          1
##        3.25        0          1          0
##        3.5         0          0          0
##        3.75        1          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.23727916666667 3.23741984126984 3.23766533084538
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          1          0
##          3          1          0          0
##        3.25        0          0          0
##        3.5         0          0          1
##        3.75        0          0          0
##          4          0          0          0

```

```

##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.23772310181649 3.23805641025641 3.23882083333333
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       1          0          0
##          3.5        0          0          0
##          3.75       0          1          1
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.23944005526637 3.23952261904762 3.23969642857143
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          0          0
##          3          0          0          0
##          3.25       0          1          0
##          3.5        0          0          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.24013370927318 3.24203732787094 3.24228959069397
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        1          0          0
##          3.75       0          1          1
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.24244285714286 3.24259005855256 3.2435123015873
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0

```

```

##          2.75          0          0          0
##          3           0          1          0
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        1          0          1
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.24374745670996 3.24393333333333 3.24414166666667
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          1          1
##          3.5         1          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.24439452214452 3.24488438644689 3.24493263464477
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         1          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          1          0
##          3.5         0          0          0
##          3.75        0          0          1
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.24589880993463 3.24605963203463 3.2466231574331
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          1
##          3           1          0          0
##          3.25        0          0          0
##          3.5         0          1          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.24793333333334 3.24811666666667 3.24863460975299

```

```

##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       1          0          0
##          3.5        0          0          1
##          3.75       0          1          0
##          4          0          0          0
##          5          0          0          0
##
##          yhat.bag
## flavours_rf.test 3.24918333333333 3.24986190476191 3.24997738095238 3.2506375
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       1          1          1          0
##          3          0          0          0          0
##          3.25       0          0          0          0
##          3.5        0          0          0          1
##          3.75       0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##
##          yhat.bag
## flavours_rf.test 3.2513625 3.25151428571429 3.25166388888889 3.25174053116002
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       0          1          1          0
##          3          0          0          0          0
##          3.25       1          0          0          0
##          3.5        0          0          0          1
##          3.75       0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##
##          yhat.bag
## flavours_rf.test 3.25270555555556 3.25304587912088 3.2535880952381
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          1
##          3          0          1          0
##          3.25       0          0          0

```

```

##          3.5          0          0          0
##          3.75         1          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.25375535714286 3.25472817460317 3.25478500416741
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          1          0
##          3           0          0          1
##          3.25        1          0          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.25486376262626 3.25580654761905 3.25644659197012
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           1          1          0
##          3.25        0          0          0
##          3.5         0          0          1
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.25656845238095 3.25673333333333 3.25718069302019
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           1          1          1
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.25797083333333 3.2585023962149 3.25904781746032
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0

```

```

##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          1
##        2.75        0          0          0
##          3         0          0          0
##        3.25        0          1          0
##        3.5         1          0          0
##        3.75        0          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.26116011904762 3.26137976190476 3.2613876984127
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         1          0          0
##        3.25        0          0          1
##        3.5         0          0          0
##        3.75        0          1          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.26143928571429 3.26211599062702 3.26368571428571
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         1          1          0
##        3.25        0          0          0
##        3.5         0          0          0
##        3.75        0          0          0
##          4         0          0          0
##          5         0          0          1
##          yhat.bag
## flavours_rf.test 3.26468023989899 3.2649755952381 3.26533333333333
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         0          0          0
##        3.25        0          1          0
##        3.5         0          0          1
##        3.75        1          0          0
##          4         0          0          0

```

```

##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.26671897759104 3.26743869047619 3.26745833333333
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          1          0
##          3          0          0          1
##          3.25       0          0          0
##          3.5        0          0          0
##          3.75       1          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.26779404761905 3.26871666666667 3.26924285714286
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          1          1
##          3.25       1          0          0
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.27140738795518 3.27246508415046 3.27338034853623
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          1          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        1          0          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.27440486506957 3.27507738095238 3.27526324277288
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0

```



```

##          2.75          0          0          0
##          3           1          0          0
##          3.25         0          0          0
##          3.5          0          0          0
##          3.75         0          1          1
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.27531482683983 3.27559265873016 3.277 3.2779056305126
##          1           0          0          0
##          1.5          0          0          0
##          1.75         0          0          0
##          2           0          0          0
##          2.25         0          0          0
##          2.5          0          0          0
##          2.75         0          0          1
##          3           0          0          0
##          3.25         1          0          0
##          3.5          0          0          0
##          3.75         0          0          1
##          4           0          1          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.27938168248909 3.2794419668266 3.27980654761905
##          1           0          0          0
##          1.5          0          0          0
##          1.75         0          0          0
##          2           0          0          0
##          2.25         0          0          0
##          2.5          0          0          0
##          2.75         1          0          0
##          3           0          0          1
##          3.25         0          0          0
##          3.5          0          0          0
##          3.75         0          0          0
##          4           0          1          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.28009404761905 3.28076108968646 3.281575 3.28198817293817
##          1           0          0          1          0
##          1.5          0          0          0          0
##          1.75         0          0          0          0
##          2           0          0          0          0
##          2.25         0          0          0          0
##          2.5          0          0          0          0
##          2.75         0          0          0          0
##          3           0          0          0          0
##          3.25         0          0          0          1
##          3.5          0          0          0          0
##          3.75         1          1          0          0
##          4           0          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.282725 3.28286785714286 3.28407781174149 3.28428452380952

```

```

##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       1          0          0          0
##          3          0          1          1          1
##          3.25       0          0          0          0
##          3.5        0          0          0          0
##          3.75       0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.284975 3.28504166666667 3.28583261473109 3.28618869674996
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       0          0          0          0
##          3          0          0          0          0
##          3.25       0          0          0          0
##          3.5        0          0          1          0
##          3.75       0          0          0          1
##          4          1          1          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.28770416666667 3.28792188644689 3.29024464285714
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          1          1
##          3          1          0          0
##          3.25       0          0          0
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.29054589438339 3.29055989080364 3.29102309801242
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          1          1          0
##          3.25       0          0          1

```

```

##          3.5          0          0          0
##          3.75         0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.29149285714286 3.29209166666667 3.29209484126984
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           1          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          1          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        0          0          1
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.29217360341066 3.29221746031746 3.29235277777778
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          1
##          3           0          0          0
##          3.25        0          0          0
##          3.5         1          0          0
##          3.75        0          1          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.29295476190476 3.29303542946022 3.29345535714286
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        1          0          0
##          3           0          0          1
##          3.25        0          0          0
##          3.5         0          1          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.29355728032178 3.29463925004734 3.29489166666667
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0

```

```

##          2          0          0          0
##        2.25        0          0          0
##        2.5         1          0          1
##        2.75        0          0          0
##          3         0          0          0
##        3.25        0          0          0
##        3.5         0          0          0
##        3.75        0          1          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.29521666666667 3.29549880952381 3.29611904761905
##          1         0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          1
##          3         0          0          0
##        3.25        0          0          0
##        3.5         1          0          0
##        3.75        0          1          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.29620100320431 3.29692323232323 3.29719412531912
##          1         0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         0          0          0
##        3.25        0          0          0
##        3.5         1          1          1
##        3.75        0          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.29746921088347 3.29770701659452 3.29799007936508
##          1         0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          1          1
##          3         1          0          0
##        3.25        0          0          0
##        3.5         0          0          0
##        3.75        0          0          0
##          4         0          0          0

```

```

##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.29855419597792 3.2989776493647 3.29903966165414
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       1          0          1
##          3.5        0          0          0
##          3.75       0          1          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.29912234941161 3.29922321428571 3.29929718614719
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          1          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.29933379120879 3.29959680451128 3.29991611721612 3.301075
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       1          0          0          0
##          2.5        0          0          0          0
##          2.75       0          0          0          0
##          3          0          0          0          0
##          3.25       0          0          1          0
##          3.5        0          0          0          1
##          3.75       0          1          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.30138956582633 3.30168650793651 3.30248333333333
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          1

```

```

##          2.75          0          1          0
##          3           0          0          0
##          3.25         1          0          0
##          3.5          0          0          0
##          3.75         0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.30256317386604 3.3027 3.30347188644689 3.30487738095238
##          1           0          0          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0
##          2           0          0          0          0
##          2.25        0          0          0          0
##          2.5         0          0          0          0
##          2.75        0          1          1          1
##          3           0          0          0          0
##          3.25        1          0          0          0
##          3.5         0          0          0          0
##          3.75        0          0          0          0
##          4           0          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.30547083333333 3.30574166666667 3.305975 3.30613055555555
##          1           0          1          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0
##          2           0          0          0          0
##          2.25        0          0          0          0
##          2.5         0          0          0          0
##          2.75        0          0          0          0
##          3           0          0          1          1
##          3.25        0          0          0          0
##          3.5         0          0          0          0
##          3.75        1          0          0          0
##          4           0          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.30738712121212 3.30754406565657 3.307551765065
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          1
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        0          1          0
##          4           1          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.3080232767898 3.30883712121212 3.309275 3.31021666666666

```

```

##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          1          0          0
##          2.75       0          0          1          0
##          3          0          0          0          0
##          3.25       1          0          0          1
##          3.5        0          0          0          0
##          3.75       0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.31074464285714 3.31083966172716 3.31097380952381 3.3114375
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       0          0          0          0
##          3          0          1          0          0
##          3.25       0          0          0          0
##          3.5        1          0          1          0
##          3.75       0          0          0          0
##          4          0          0          0          1
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.31164404761905 3.31179768009768 3.31215833333333
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        1          0          0
##          3.75       0          1          0
##          4          0          0          1
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.3141277972028 3.31452030955156 3.31458333333333
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          1          0          0
##          3.25       0          0          0

```

```

##          3.5          0          0          1
##          3.75         0          0          0
##          4           0          1          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.31459047619047 3.31463650613208 3.31527018120768
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          1
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        0          1          0
##          4           1          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.31578333333333 3.31584297432873 3.31616428571429
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          1
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        0          1          0
##          4           1          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.31673333333333 3.31702619047619 3.31793173743611
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           1          0          0
##          3.25        0          1          0
##          3.5         0          0          0
##          3.75        0          0          1
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.31856785714286 3.32024698773449 3.32098035714286
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0

```



```

##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          1          1
##          3         0          0          0
##        3.25        0          0          0
##        3.5         0          0          0
##        3.75        0          0          0
##          4         1          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.32110833333333 3.32119047619048 3.32320476190476
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3          0          0          0
##        3.25        1          0          0
##        3.5         0          1          1
##        3.75        0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.32347916666667 3.32518515512265 3.32564682539683
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3          0          0          0
##        3.25        0          1          1
##        3.5         1          0          0
##        3.75        0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.32713881578947 3.32742349310047 3.32784696969697
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        1          0          0
##          3          0          0          1
##        3.25        0          0          0
##        3.5         0          0          0
##        3.75        0          1          0
##          4          0          0          0

```

```

##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.32957441590272 3.330925 3.33200833333333 3.33205
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          1          0
##          3.5        1          0          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.33224444444444 3.33265972222222 3.33373495393495
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          1
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          0          0
##          3          0          0          0
##          3.25       0          1          0
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.33485619730496 3.33508125744844 3.33567633543977
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          1          1
##          3.5        1          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.33596929809306 3.33610416666667 3.33660713947001
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0

```

```

##          2.75          0          0          1
##          3           0          0          0
##          3.25        0          1          0
##          3.5         1          0          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.33722023809524 3.33746383477634 3.33824166666667
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          1          0
##          3.5         1          0          0
##          3.75        0          0          1
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.33824880952381 3.33871964285714 3.33881628787879
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           1          0          0
##          3.25        0          0          1
##          3.5         0          1          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.33924688644689 3.33956265962795 3.34029817927171
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         1          0          0
##          2.75        0          0          1
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        0          1          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.34086369047619 3.34091385281385 3.34129166666666

```

```

##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          1          0
##          2.75       0          0          0
##          3          0          0          1
##          3.25       0          0          0
##          3.5        1          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.34240060772561 3.34240833333333 3.3437871031746
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          1
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          0          0
##          3.75       1          0          0
##          4          0          1          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.34422976190476 3.34455833333333 3.34520480769231
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          0          0
##          3          0          0          0
##          3.25       0          0          1
##          3.5        0          1          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.34530673743611 3.3454143815335 3.34603830263304
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        1          0          0
##          2.75       0          0          0
##          3          0          0          1
##          3.25       0          0          0

```

```

##          3.5          0          1          0
##          3.75         0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.34688113630215 3.34720358660947 3.34841904761905
##          1           0          0          1
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        1          1          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.34871984126984 3.34895178571429 3.34926865079365
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          1          0
##          3.25        0          0          0
##          3.5         0          0          1
##          3.75        1          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.3499558531746 3.35042380952381 3.35042738095238
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        1          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         0          0          1
##          3.75        0          0          0
##          4           0          1          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.35088511904762 3.35133918650793 3.35233333333333
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0

```

```

##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         0          1          0
##        3.25        0          0          1
##        3.5         1          0          0
##        3.75        0          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.35240116966367 3.35270119047619 3.35321355311356
##          1         0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         0          1          0
##        3.25        1          0          1
##        3.5         0          0          0
##        3.75        0          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.35341984126984 3.3539625 3.35443940936515 3.35607313779481
##          1         0          0          0          0
##        1.5         0          0          0          0
##        1.75        0          0          0          0
##          2         0          0          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        0          0          0          0
##          3         0          0          0          1
##        3.25        1          0          0          0
##        3.5         0          1          1          0
##        3.75        0          0          0          0
##          4         0          0          0          0
##          5         0          0          0          0
##          yhat.bag
## flavours_rf.test 3.3564875 3.35732857142857 3.35746190476191 3.357475
##          1         0          0          0          0
##        1.5         0          0          0          0
##        1.75        0          0          0          0
##          2         0          0          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        0          0          0          0
##          3         0          0          0          0
##        3.25        1          0          0          1
##        3.5         0          1          0          0
##        3.75        0          0          1          0
##          4         0          0          0          0

```

```

##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.35817261904762 3.35838041729512 3.35885216649293
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          1
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        1          1          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.35942896825397 3.36014285714286 3.36027980769231
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          1          0
##          2.75       0          0          0
##          3          1          0          0
##          3.25       0          0          1
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.36138988095238 3.36245138464477 3.36310771034521
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          1          0
##          3.75       0          0          1
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.36369722222222 3.36404285714286 3.36411582633053 3.364375
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0

```

```

##          2.75          0          0          0          0
##          3            0          1          1          0
##          3.25          0          0          0          1
##          3.5           1          0          0          0
##          3.75          0          0          0          0
##          4            0          0          0          0
##          5            0          0          0          0
##          yhat.bag
## flavours_rf.test 3.36519795306382 3.36811666666667 3.36846686083525
##          1            0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2            0          0          0
##          2.25          0          0          0
##          2.5          0          0          1
##          2.75          0          0          0
##          3            0          0          0
##          3.25          1          0          0
##          3.5           0          0          0
##          3.75          0          1          0
##          4            0          0          0
##          5            0          0          0
##          yhat.bag
## flavours_rf.test 3.36916369047619 3.36973114654953 3.36979108946609
##          1            0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2            0          0          0
##          2.25          0          0          0
##          2.5          0          0          0
##          2.75          0          0          0
##          3            0          0          0
##          3.25          0          0          0
##          3.5           0          0          0
##          3.75          0          1          1
##          4            1          0          0
##          5            0          0          0
##          yhat.bag
## flavours_rf.test 3.37021280303159 3.370425 3.37127058517886 3.37158154761905
##          1            0          0          0          0
##          1.5          0          0          0          0
##          1.75          0          0          0          0
##          2            0          0          0          0
##          2.25          0          0          0          0
##          2.5          0          0          0          0
##          2.75          0          0          0          0
##          3            0          0          0          0
##          3.25          0          1          1          0
##          3.5           1          0          0          1
##          3.75          0          0          0          0
##          4            0          0          0          0
##          5            0          0          0          0
##          yhat.bag
## flavours_rf.test 3.37159166666667 3.37202936507936 3.37240238095238

```



```

##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          1          0
##          3.5        1          0          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.37292341269841 3.37329166666667 3.37347916666667
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        1          0          0
##          3.75       0          0          0
##          4          0          1          1
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.37381057692308 3.37557350131698 3.37568285811834
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       1          0          1
##          3.5        0          1          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.37584166666666 3.37798237734488 3.37848051948052
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          1          0
##          3          1          0          0
##          3.25       0          0          0

```

```

##          3.5          0          0          1
##          3.75         0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.37905833333334 3.37909166666667 3.38020152778508
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          1
##          3           0          0          0
##          3.25        1          0          0
##          3.5         0          1          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.38104964896215 3.38196123393499 3.38229102633478
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          1          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         1          0          1
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.38270119047619 3.3839549321078 3.38442738095238
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           1          0          1
##          3.25        0          0          0
##          3.5         0          0          0
##          3.75        0          1          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.38781431901432 3.3887375 3.38922622316409 3.38980842490843
##          1           0          0          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0

```

```

##          2          0          0          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        0          0          0          0
##          3         0          0          0          0
##        3.25        1          1          1          0
##        3.5         0          0          0          0
##        3.75        0          0          0          0
##          4         0          0          0          1
##          5         0          0          0          0
##          yhat.bag
## flavours_rf.test 3.39006785714286 3.39069166666667 3.39184166666667
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         0          0          0
##        3.25        0          0          0
##        3.5         1          1          0
##        3.75        0          0          1
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.39202738095238 3.39251244588745 3.39256212121212
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         1          0          0
##        3.25        0          0          0
##        3.5         0          1          0
##        3.75        0          0          1
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.3925869047619 3.39282070707071 3.39397857142857
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         0          0          0
##        3.25        0          0          0
##        3.5         0          1          1
##        3.75        0          0          0
##          4         1          0          0

```

```

##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.39447733516483 3.39508968253968 3.39530833333333
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          1          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        1          0          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.39574664502165 3.39629632312132 3.396575 3.39669166666667
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       0          0          0          0
##          3          1          0          1          0
##          3.25       0          0          0          1
##          3.5        0          0          0          0
##          3.75       0          0          0          0
##          4          0          1          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.39804166666667 3.39979166666667 3.40020212747779
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          1          0
##          3.5        0          0          0
##          3.75       0          0          1
##          4          1          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.40076111111111 3.40175897435897 3.40176106136934
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        1          0          0

```

```

##          2.75          0          0          1
##          3          0          0          0
##          3.25          0          0          0
##          3.5          0          0          0
##          3.75          0          0          0
##          4          0          1          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.40203412698413 3.40234404761905 3.40434107142857
##          1          0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2          0          0          0
##          2.25          0          0          0
##          2.5          0          0          0
##          2.75          0          0          0
##          3          0          0          0
##          3.25          0          0          0
##          3.5          1          1          0
##          3.75          0          0          0
##          4          0          0          1
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.40525714285714 3.40631666666667 3.40663566086691 3.40685
##          1          0          0          0          0
##          1.5          0          0          0          0
##          1.75          0          0          0          0
##          2          0          0          0          0
##          2.25          0          0          0          0
##          2.5          1          1          0          0
##          2.75          0          0          0          0
##          3          0          0          0          0
##          3.25          0          0          0          0
##          3.5          0          0          0          0
##          3.75          0          0          1          0
##          4          0          0          0          1
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.40862218614719 3.40890793650794 3.40908881637641
##          1          0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2          0          1          0
##          2.25          0          0          0
##          2.5          0          0          0
##          2.75          0          0          0
##          3          0          0          1
##          3.25          0          0          0
##          3.5          0          0          0
##          3.75          1          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.40949722222222 3.41114723107339 3.41139047619048

```

```

##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        1          0          1
##          3.75       0          1          0
##          4          0          0          0
##          5          0          0          0
##
##          yhat.bag
## flavours_rf.test 3.41273611111111 3.41395714285714 3.41421246726693
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        1          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          1          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##
##          yhat.bag
## flavours_rf.test 3.41618546081112 3.41646666666667 3.41674007936508
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          1
##          3.25       0          0          0
##          3.5        0          1          0
##          3.75       1          0          0
##          4          0          0          0
##          5          0          0          0
##
##          yhat.bag
## flavours_rf.test 3.41675212747779 3.41681688311688 3.416975 3.41769857837805
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          1          0          0
##          2.75       0          0          0          0
##          3          0          0          0          0
##          3.25       1          0          0          0

```

```

##          3.5          0          0          1          1
##          3.75         0          0          0          0
##          4           0          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.4184219030969 3.41908888888889 3.4196 3.41970119047619
##          1           0          0          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0
##          2           0          0          0          0
##          2.25        0          0          0          0
##          2.5         0          0          0          0
##          2.75        0          0          0          0
##          3           1          0          0          0
##          3.25        0          0          0          0
##          3.5         0          1          1          0
##          3.75        0          0          0          0
##          4           0          0          0          1
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.42015833333333 3.42043713924964 3.42067997835498
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          0          1
##          3.5         0          1          0
##          3.75        1          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.42243035714286 3.42251388888889 3.42348055555555
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5         1          1          0
##          3.75        0          0          1
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.42374166666667 3.42502142857143 3.42538633727384
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0

```

```

##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          1
##          3         0          0          0
##        3.25        0          0          0
##        3.5         1          1          0
##        3.75        0          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.42553611111111 3.42799545454546 3.42831210826497
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         1          1          0
##        3.25        0          0          0
##        3.5         0          0          1
##        3.75        0          0          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.42888633727384 3.42939166666667 3.43181363636364
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2         0          0          0
##        2.25        0          0          0
##        2.5         1          0          0
##        2.75        0          0          0
##          3         0          0          1
##        3.25        0          0          0
##        3.5         0          0          0
##        3.75        0          1          0
##          4         0          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.43197878787879 3.433375 3.43360183150183 3.43449166666667
##          1          0          0          0          0
##        1.5         0          0          0          0
##        1.75        0          0          0          0
##          2         0          0          0          0
##        2.25        0          0          0          0
##        2.5         0          0          0          0
##        2.75        0          0          0          0
##          3         1          0          0          0
##        3.25        0          1          0          1
##        3.5         0          0          1          0
##        3.75        0          0          0          0
##          4         0          0          0          0

```



```

##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.43480356697396 3.43568902403281 3.43719166666666
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       1          0          0
##          3          0          0          0
##          3.25       0          1          0
##          3.5        0          0          0
##          3.75       0          0          0
##          4          0          0          1
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.43881666666667 3.44026666666667 3.44125 3.44249722222222
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       0          0          0          0
##          3          0          0          0          0
##          3.25       0          0          0          0
##          3.5        0          1          0          0
##          3.75       1          0          1          0
##          4          0          0          0          1
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.44645833333333 3.44649166666667 3.44689206349207
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          1
##          3          0          0          0
##          3.25       0          0          0
##          3.5        1          0          0
##          3.75       0          1          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.44782673065239 3.44876198246198 3.45192873171076
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0

```

```

##          2.75          0          0          1
##          3          0          1          0
##          3.25          0          0          0
##          3.5          0          0          0
##          3.75          1          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.45324962121212 3.45348869047619 3.45446964285714 3.454625
##          1          0          0          0          0
##          1.5          0          0          0          0
##          1.75          0          0          0          0
##          2          0          0          0          0
##          2.25          0          0          0          0
##          2.5          0          0          0          1
##          2.75          0          0          1          0
##          3          0          0          0          0
##          3.25          0          1          0          0
##          3.5          0          0          0          0
##          3.75          1          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.45609722222222 3.45746332070707 3.45823833048617
##          1          0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2          0          0          0
##          2.25          0          0          0
##          2.5          0          0          0
##          2.75          0          0          0
##          3          0          0          0
##          3.25          0          1          0
##          3.5          1          0          0
##          3.75          0          0          0
##          4          0          0          1
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.45894226190476 3.45899494050197 3.45937043650794
##          1          0          0          0
##          1.5          0          0          0
##          1.75          0          0          0
##          2          0          0          0
##          2.25          0          0          0
##          2.5          0          0          0
##          2.75          1          0          0
##          3          0          0          0
##          3.25          0          0          1
##          3.5          0          0          0
##          3.75          0          1          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.46229457735247 3.46454166666667 3.46569703907204 3.46605

```

```

##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       0          0          0          0
##          3          0          1          1          0
##          3.25       0          0          0          0
##          3.5        1          1          0          1
##          3.75       0          0          0          0
##          4          0          0          0          0
##          5          0          0          0          0
##          yhat.bag
## flavours_rf.test 3.4661746031746 3.469068468363 3.47152326007326
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          1          0
##          3.25       0          0          1
##          3.5        0          0          0
##          3.75       0          0          0
##          4          1          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.47154255952381 3.4753528235911 3.47713333333333
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          1          0
##          3.25       0          0          0
##          3.5        1          0          0
##          3.75       0          0          1
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.47836212121212 3.47932380952381 3.47969114325218
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          1          0          0
##          3.25       0          0          0

```

```

##          3.5          0          0          0
##          3.75         0          1          1
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.48038214285714 3.48077878787879 3.48344722222222
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          1          0
##          3.5         0          0          1
##          3.75        1          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.48429776334776 3.48559880952381 3.48597777777778
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          1
##          3.25        1          0          0
##          3.5         0          1          0
##          3.75        0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.48631608256939 3.48672341269841 3.48780292112858
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          1          0
##          3.25        0          0          0
##          3.5         0          0          1
##          3.75        1          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.48955416666667 3.49205555555556 3.49485397388559
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0

```

```

##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          1          0
##          3         0          0          0
##        3.25        0          0          1
##        3.5         0          0          0
##        3.75        0          0          0
##          4         1          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.49580515873016 3.49852792112858 3.50032321428572
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         0          0          0
##        3.25        0          1          0
##        3.5         0          0          0
##        3.75        0          0          1
##          4         1          0          0
##          5         0          0          0
##          yhat.bag
## flavours_rf.test 3.50095894402081 3.50343888888889 3.50704230769231
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          1
##          3         0          1          0
##        3.25        1          0          0
##        3.5         0          0          0
##        3.75        0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.50740238095238 3.50945238095238 3.51415718864469
##          1          0          0          0
##        1.5         0          0          0
##        1.75        0          0          0
##          2          0          0          0
##        2.25        0          0          0
##        2.5         0          0          0
##        2.75        0          0          0
##          3         0          0          0
##        3.25        1          0          0
##        3.5         0          1          1
##        3.75        0          0          0
##          4          0          0          0

```

```

##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.51626904761905 3.5166369047619 3.51685119047619
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          1          0
##          3.25       0          0          1
##          3.5        0          0          0
##          3.75       0          0          0
##          4          1          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.5179686965812 3.52152738095238 3.52194766483517
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       1          0          1
##          3.5        0          1          0
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.52231388888889 3.52279820596071 3.52371805555555
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          1          0
##          3.25       1          0          0
##          3.5        0          0          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.52419722222222 3.52444880952381 3.5248871031746
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0

```

```

##          2.75          0          0          1
##          3           0          1          0
##          3.25         0          0          0
##          3.5          1          0          0
##          3.75         0          0          0
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.52635138888889 3.52727296081112 3.52930496031746
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5          1          0          0
##          3.75        0          1          0
##          4           0          0          1
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.52970897435897 3.53132738095238 3.53296666666667
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        1          0          0
##          3.5          0          0          0
##          3.75        0          1          1
##          4           0          0          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.53689305555555 3.54143618881119 3.54200064102564
##          1           0          0          0
##          1.5         0          0          0
##          1.75        0          0          0
##          2           0          0          0
##          2.25        0          0          0
##          2.5         0          0          0
##          2.75        0          0          0
##          3           0          0          0
##          3.25        0          0          0
##          3.5          1          0          0
##          3.75        0          0          1
##          4           0          1          0
##          5           0          0          0
##          yhat.bag
## flavours_rf.test 3.54821945007607 3.55001071428571 3.55107916666667

```

```

##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       1          0          0
##          3.5        0          1          0
##          3.75       0          0          1
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.55262083333334 3.55816388888889 3.56141626984127
##          1          0          0          0
##          1.5        0          1          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          0          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        1          0          1
##          3.75       0          0          0
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.56442980769231 3.56720714285714 3.58156547619048
##          1          0          0          0
##          1.5        0          0          0
##          1.75       0          0          0
##          2          0          0          0
##          2.25       0          0          0
##          2.5        0          0          0
##          2.75       0          1          0
##          3          0          0          0
##          3.25       0          0          0
##          3.5        0          0          0
##          3.75       1          0          1
##          4          0          0          0
##          5          0          0          0
##          yhat.bag
## flavours_rf.test 3.58629621489621 3.60179186507936 3.61676036324786 3.629675
##          1          0          0          0          0
##          1.5        0          0          0          0
##          1.75       0          0          0          0
##          2          0          0          0          0
##          2.25       0          0          0          0
##          2.5        0          0          0          0
##          2.75       0          0          1          1
##          3          0          0          0          0
##          3.25       0          0          0          0

```



```

##          3.5          0          0          0          0
##          3.75         0          1          0          0
##          4           1          0          0          0
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.63244880952381 3.65086452991453 3.65305 3.65656301476301
##          1           0          0          0          0
##          1.5         0          0          0          0
##          1.75        0          0          0          0
##          2           0          0          0          0
##          2.25        0          0          0          0
##          2.5         0          0          0          0
##          2.75        0          0          0          0
##          3           0          0          1          0
##          3.25        0          1          0          0
##          3.5         0          0          0          0
##          3.75        0          0          0          0
##          4           1          0          0          1
##          5           0          0          0          0
##          yhat.bag
## flavours_rf.test 3.66489543650794
##          1           0
##          1.5         0
##          1.75        0
##          2           0
##          2.25        0
##          2.5         0
##          2.75        0
##          3           1
##          3.25        0
##          3.5         0
##          3.75        0
##          4           0
##          5           0

```