RandomForest

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March 17, 2021

#basic statistics of the data  
head(data)

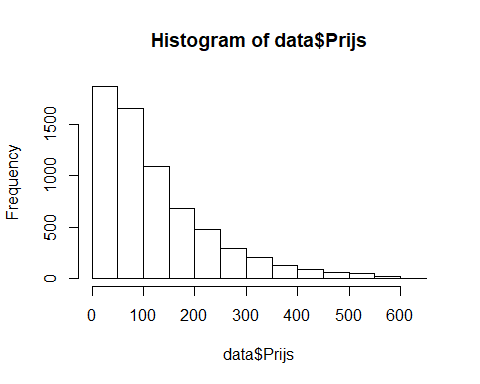
## Registered S3 method overwritten by 'cli':  
## method from  
## print.tree tree

## # A tibble: 6 x 8  
## Type Shop On\_Sale For Known\_Brand Leather Color Prijs  
## <chr> <chr> <chr> <chr> <chr> <chr> <chr> <dbl>  
## 1 wedges online yes female yes yes black 78.3  
## 2 wedges online no female yes yes black 209.   
## 3 wedges online yes female yes yes brown 30.2  
## 4 wedges online no female yes yes brown 170.   
## 5 wedges online yes female yes yes gray 74.2  
## 6 wedges online no female yes yes gray 82.4

summary(data)

## Type Shop On\_Sale For   
## Length:6624 Length:6624 Length:6624 Length:6624   
## Class :character Class :character Class :character Class :character   
## Mode :character Mode :character Mode :character Mode :character   
##   
##   
##   
## Known\_Brand Leather Color Prijs   
## Length:6624 Length:6624 Length:6624 Min. : 3.30   
## Class :character Class :character Class :character 1st Qu.: 45.36   
## Mode :character Mode :character Mode :character Median : 91.35   
## Mean :125.55   
## 3rd Qu.:172.20   
## Max. :641.50

hist(data$Prijs)



out <- dtree(  
 Prijs ~ Type + Shop + On\_Sale + For + Color +Known\_Brand + Leather,   
 data = data, methods = c("tree"))

## Warning in if (class.response == "numeric" | class.response == "integer") {: the  
## condition has length > 1 and only the first element will be used

data=data %>% mutate\_if(is.character, as.factor)  
#check if the data is in the correct format  
str(data)

## Classes 'tbl\_df', 'tbl' and 'data.frame': 6624 obs. of 8 variables:  
## $ Type : Factor w/ 5 levels "boots","heals",..: 5 5 5 5 5 5 5 5 5 5 ...  
## $ Shop : Factor w/ 2 levels "at\_location",..: 2 2 2 2 2 2 2 2 2 2 ...  
## $ On\_Sale : Factor w/ 2 levels "no","yes": 2 1 2 1 2 1 2 1 2 1 ...  
## $ For : Factor w/ 2 levels "female","male": 1 1 1 1 1 1 1 1 1 1 ...  
## $ Known\_Brand: Factor w/ 2 levels "no","yes": 2 2 2 2 2 2 2 2 2 2 ...  
## $ Leather : Factor w/ 2 levels "no","yes": 2 2 2 2 2 2 2 2 2 2 ...  
## $ Color : Factor w/ 6 levels "black","blue",..: 1 1 3 3 4 4 6 6 5 5 ...  
## $ Prijs : num 78.3 209.2 30.2 170.1 74.2 ...

#we want to make a tree  
#we first give the chart file a name  
png(file = "decision\_tree.png")  
  
# Create the tree, this is a classification tree of the entire data set  
output.tree <- ctree(  
 Prijs ~ Type + Shop + On\_Sale + For + Color,   
 data = data)  
  
#plot the tree  
plot(output.tree)  
  
#save the file  
dev.off

## function (which = dev.cur())   
## {  
## if (which == 1)   
## stop("cannot shut down device 1 (the null device)")  
## .External(C\_devoff, as.integer(which))  
## dev.cur()  
## }  
## <bytecode: 0x00000000135db270>  
## <environment: namespace:grDevices>

#For Decision trees  
  
  
#we will now split the dataset into train and validation set in the ratio 70:30  
set.seed(100)  
train <- sample(nrow(data), 0.7\*nrow(data), replace = FALSE)  
TrainSet <- data[train,]   
ValidSet <- data[-train,]  
summary(TrainSet)

## Type Shop On\_Sale For Known\_Brand  
## boots :1117 at\_location:2291 no :2289 female:2921 no :2329   
## heals : 588 online :2345 yes:2347 male :1715 yes:2307   
## sandals :1211   
## sneakers:1131   
## wedges : 589   
##   
## Leather Color Prijs   
## no :2316 black:810 Min. : 3.30   
## yes:2320 blue :826 1st Qu.: 45.45   
## brown:697 Median : 90.90   
## gray :800 Mean :125.49   
## red :706 3rd Qu.:171.45   
## white:797 Max. :641.50

summary(ValidSet)

## Type Shop On\_Sale For Known\_Brand  
## boots :467 at\_location:1021 no :1023 female:1255 no : 983   
## heals :276 online : 967 yes: 965 male : 733 yes:1005   
## sandals :517   
## sneakers:453   
## wedges :275   
##   
## Leather Color Prijs   
## no :996 black:342 Min. : 3.60   
## yes:992 blue :326 1st Qu.: 45.00   
## brown:311 Median : 92.31   
## gray :352 Mean :125.72   
## red :302 3rd Qu.:174.16   
## white:355 Max. :594.00

length(TrainSet)

## [1] 8

length(ValidSet)

## [1] 8

#Create the tree using the training data set   
jpeg("TreeofTraining data.jpg", width = 6800, height = 1800)  
modelontraining <- ctree(Prijs ~ Type + Shop + On\_Sale + For + Known\_Brand + Leather + Color,   
 data = TrainSet)  
plot(modelontraining, type = 'simple')  
dev.off()

## png   
## 2

#Predict new data  
ValidSet$response = predict(modelontraining, newdata = ValidSet, type = 'response')  
  
ValidSet$prob = predict(modelontraining, newdata = ValidSet, type = 'prob')  
ValidSet$node =predict(modelontraining, newdata = ValidSet, type = 'response')

library(ROCR)  
#If we want to see how good the model is, we can use an ROC curve. It does not use thresholds to classify,  
#as it uses the predicted probabilities as they are  
# plot ROC  
#roc\_pred <- prediction(ValidSet$prob, ValidSet$Prijs)  
#perf <- performance(roc\_pred, "tpr", "fpr")  
#plot(perf, col="red")  
#abline(0,1,col="grey")  
  
# get area under the curve  
#performance(roc\_pred,"auc")@Prijs.values

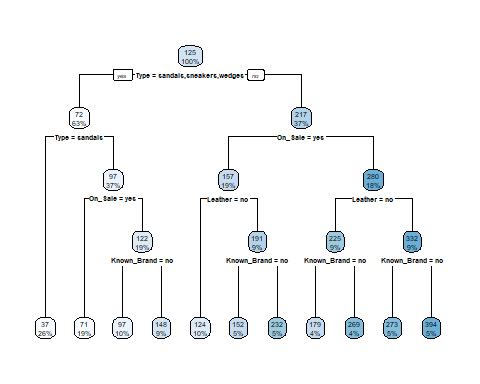
Diffrent way of making a regression tree using rpart and visualizing it using rpart.plot

CASPER GA HIER MAAR BEGINNEN MET LEZEN IK DENK DAT HET WEL EEN BEETJE DUIDELIJK IS ;)

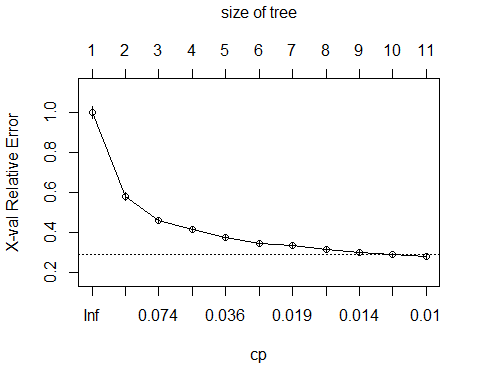
#we fit a regression tree using rpart, when fitting a regression tree we need to set the anova method  
m1 <- rpart(formula = Prijs ~., data = TrainSet, method = "anova")  
m1

## n= 4636   
##   
## node), split, n, deviance, yval  
## \* denotes terminal node  
##   
## 1) root 4636 54169800.0 125.48600   
## 2) Type=sandals,sneakers,wedges 2931 8002570.0 72.06854   
## 4) Type=sandals 1211 489887.2 37.23479 \*  
## 5) Type=sneakers,wedges 1720 5008697.0 96.59393   
## 10) On\_Sale=yes 858 1058279.0 71.22130 \*  
## 11) On\_Sale=no 862 2848272.0 121.84880   
## 22) Known\_Brand=no 441 729420.0 97.10374 \*  
## 23) Known\_Brand=yes 421 1565959.0 147.76940 \*  
## 3) Type=boots,heals 1705 23426660.0 217.31390   
## 6) On\_Sale=yes 873 5206358.0 157.14680   
## 12) Leather=no 441 1330302.0 124.20370 \*  
## 13) Leather=yes 432 2908898.0 190.77620   
## 26) Known\_Brand=no 223 749566.6 152.20480 \*  
## 27) Known\_Brand=yes 209 1473571.0 231.93130 \*  
## 7) On\_Sale=no 832 11743910.0 280.44600   
## 14) Leather=no 403 3208604.0 225.36000   
## 28) Known\_Brand=no 196 833996.2 179.00000 \*  
## 29) Known\_Brand=yes 207 1554486.0 269.25650 \*  
## 15) Leather=yes 429 6163642.0 332.19340   
## 30) Known\_Brand=no 219 1839722.0 273.00820 \*  
## 31) Known\_Brand=yes 210 2756781.0 393.91500 \*

rpart.plot(m1)



plotcp(m1) #in this plot the yaxis is the cross validation error, lower xaxis is the cost complexity alfa value



#upper x axis is the number of terminal nodes, so the tree size |T|. In the plot you see that the dashed line goes through the point |T| = 10, so it suggests that in actual practice, its common to instead use the smallest tree within 1 standard deviation of the minimum cross validation error. So we could use a tree with 10 terminal nodes and expect to have similar results within a small margin of error.

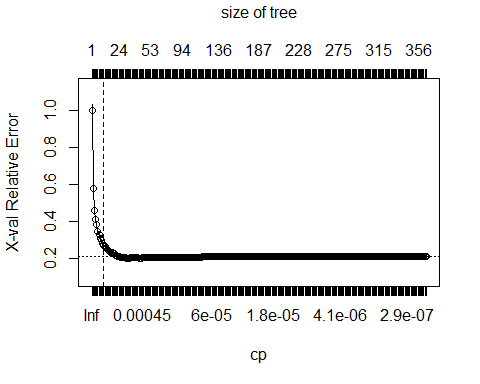
We see from the data that we start with 4636 observations at the root node and in the first variable that we split is Type (so the first variable that optimizes a reduction in SSE) is Type. And that all observations with sandals, sneakers and wedges go into the 2nd branch, which has a total of 2927 observations, their average sale price is 72.74525 and the SSE is 8533299.0

Where SSE = overall sums of squares errors that are minimized.

In the plot we see that it shows the percentage of data that fall to that node and the average sales price for that branch. Rpart automatically applies a range of cost complexity (alfa values) to prune the tree. To compare the error for each alfa value, rpart performs a 10fold cross validation so that the error associated with a given alfa value is computed on the hold-out validation data.

TO illustrate why we select a tree with 11 terminal nodes instead of 10, if you would go by the 1 SE = 1 standard error rule, we can force rpart to generate a full tree by using cp =0 (no penalty results into a fully grown tree)

m2 <- rpart(formula = Prijs ~., data = TrainSet, method = "anova", control = list(cp = 0, xval = 10))  
plotcp(m2)  
abline(v = 11, lty = 'dashed')



What we see in this plot is that after 11 terminal nodes, we see diminishing returns in error reduction as the tree grows deeper, so we can prune our tree significantly and still achieve the minimal expected error. It’s not needed to use more than 11 terminal nodes. That is what rpart does using automated tuning.

We see that we have an optimal subtree of 10 splits, 11 terminal nodes, and a cross validated error of 0.2831666.

m1$cptable

## CP nsplit rel error xerror xstd  
## 1 0.41980157 0 1.0000000 1.0003753 0.030952320  
## 2 0.11955739 1 0.5801984 0.5808102 0.018421357  
## 3 0.04622476 2 0.4606410 0.4615075 0.014043398  
## 4 0.04378195 3 0.4144163 0.4140034 0.013649425  
## 5 0.02893012 4 0.3706343 0.3775648 0.012016035  
## 6 0.02034614 5 0.3417042 0.3470988 0.011100383  
## 7 0.01785420 6 0.3213581 0.3363924 0.010951181  
## 8 0.01513984 7 0.3035039 0.3146980 0.010168204  
## 9 0.01265947 8 0.2883640 0.3014680 0.009759237  
## 10 0.01020667 9 0.2757046 0.2890476 0.009339526  
## 11 0.01000000 10 0.2654979 0.2811832 0.009131854

We can do more to make the answer better. So instead of only tuning the cost complexity alfa parameter, it is also common to tune, the minimum number of data points required to attempt a split before it is forced to create a terminal node. The default is 20. Making this smaller allows for terminal nodes that may contain only a handful of observations to create the predicted value. (so we specify a smaller number of datapoints) Also, maxdepth which is the maximum number of internal nodes between the root node and the terminal nodes, the default is 30, so you can build quite large trees. So create a third model. WE get an error of 0.2840078 in this case, which is not really better.

m3 <-rpart(formula = Prijs ~., data = TrainSet, method = "anova", control = list(minsplit =9, maxdepth = 11, xval = 10))  
m3$cptable

## CP nsplit rel error xerror xstd  
## 1 0.41980157 0 1.0000000 1.0006823 0.030959084  
## 2 0.11955739 1 0.5801984 0.5807384 0.018410421  
## 3 0.04622476 2 0.4606410 0.4613461 0.014030280  
## 4 0.04378195 3 0.4144163 0.4103019 0.013448982  
## 5 0.02893012 4 0.3706343 0.3820695 0.012311165  
## 6 0.02034614 5 0.3417042 0.3493350 0.011289592  
## 7 0.01785420 6 0.3213581 0.3351796 0.011082141  
## 8 0.01513984 7 0.3035039 0.3177795 0.010556698  
## 9 0.01265947 8 0.2883640 0.2995423 0.009820536  
## 10 0.01020667 9 0.2757046 0.2893310 0.009390211  
## 11 0.01000000 10 0.2654979 0.2822516 0.009212750

So set up a grid search, so select a range of minsplit from 5-20 and vary maxdepth from 7-14 (ours was 11) so we try 128 different combinations.

hyper\_grid <- expand.grid(  
 minsplit = seq(5, 20, 1),  
 maxdepth = seq(7, 14, 1)  
)  
  
head(hyper\_grid)

## minsplit maxdepth  
## 1 5 7  
## 2 6 7  
## 3 7 7  
## 4 8 7  
## 5 9 7  
## 6 10 7

# total number of combinations  
nrow(hyper\_grid)

## [1] 128

models <- list()  
  
for (i in 1:nrow(hyper\_grid)) {  
   
 # get minsplit, maxdepth values at row i  
 minsplit <- hyper\_grid$minsplit[i]  
 maxdepth <- hyper\_grid$maxdepth[i]  
  
 # train a model and store in the list  
 models[[i]] <- rpart(  
 formula = Prijs ~ .,  
 data = TrainSet,  
 method = "anova",  
 control = list(minsplit = minsplit, maxdepth = maxdepth)  
 )  
}  
# function to get optimal cp  
get\_cp <- function(x) {  
 min <- which.min(x$cptable[, "xerror"])  
 cp <- x$cptable[min, "CP"]   
}  
  
# function to get minimum error  
get\_min\_error <- function(x) {  
 min <- which.min(x$cptable[, "xerror"])  
 xerror <- x$cptable[min, "xerror"]   
}  
  
hyper\_grid %>%  
 mutate(  
 cp = purrr::map\_dbl(models, get\_cp),  
 error = purrr::map\_dbl(models, get\_min\_error)  
 ) %>%  
 arrange(error) %>%  
 top\_n(-5, wt = error)

## minsplit maxdepth cp error  
## 1 19 8 0.01 0.2739400  
## 2 13 9 0.01 0.2748064  
## 3 18 7 0.01 0.2751627  
## 4 5 14 0.01 0.2755557  
## 5 19 10 0.01 0.2757243

optimal\_tree <- rpart(  
 formula = Prijs ~ .,  
 data = TrainSet,  
 method = "anova",  
 control = list(minsplit = 10, maxdepth = 11, cp = 0.01)  
 )  
#so the default did make the best prediction in our case  
pred <- predict(optimal\_tree, newdata = ValidSet)  
RMSE(pred = pred, obs = ValidSet$Prijs)

## [1] 57.02063

#Create a random forest with the default parameters  
#Note that the variable "ntree" means the number of trees to grow and "mtry" is the number of variables  
#that is randomly sampled at each stage, so the number of variables sampled as candidates at each split  
  
model1 <- randomForest(Prijs ~ ., data = TrainSet, trace = TRUE,importance = TRUE, proximity = TRUE)  
model1

##   
## Call:  
## randomForest(formula = Prijs ~ ., data = TrainSet, trace = TRUE, importance = TRUE, proximity = TRUE)   
## Type of random forest: regression  
## Number of trees: 500  
## No. of variables tried at each split: 2  
##   
## Mean of squared residuals: 2721.791  
## % Var explained: 76.71

model2 <- randomForest(Prijs ~ ., data = TrainSet, ntree = 500, mtry = 6, importance = TRUE)  
model2

##   
## Call:  
## randomForest(formula = Prijs ~ ., data = TrainSet, ntree = 500, mtry = 6, importance = TRUE)   
## Type of random forest: regression  
## Number of trees: 500  
## No. of variables tried at each split: 6  
##   
## Mean of squared residuals: 2504.261  
## % Var explained: 78.57

Let us now try to predict on the trained dataset first and then predict on the validation dataset

#Let's try to predict on the trained data set  
predictrain <- predict(model2, TrainSet) #type = "class")  
#Check the classification accuracy  
table(predictrain, TrainSet$Prijs)

##   
## predictrain 3.3 4.5 4.65 5.1 5.4 5.55 5.625 6.075 7.05 7.2 7.65 7.77 7.8  
## 13.1215340544624 0 0 0 0 0 1 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 1 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 1 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 1 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 1 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0 0 1  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 1 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0 1 0  
## 17.9322686746165 0 0 0 0 0 1 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 1 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 1 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 1 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 8 8.325 8.55 8.7 9.45 9.6 9.7875 9.9 10.05 10.125 10.35  
## 13.1215340544624 0 0 0 0 1 0 0 0 1 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 1 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 1 0 0 0 0 0 0 0  
## 15.481283984483 0 0 1 0 0 0 0 0 1 0 0  
## 15.9744295035248 0 0 0 0 1 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 1 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 2 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 1 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 1 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 1 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 10.575 10.8 10.95 11.025 11.1 11.25 11.4 11.475 11.55 11.7  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 1 0 0 0 0 0  
## 15.3126692594984 0 0 1 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 1  
## 17.9322686746165 0 1 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 1 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 1 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 1 0 0 0 0 0 0 0 0 0  
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## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
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## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
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## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 1 0 0 0 0 0 0 0 0  
## 23.1209942966988 1 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
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## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
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## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 11.76 11.85 12 12.15 12.285 12.3 12.375 12.4875 12.6 12.825  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 1 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 1 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 1 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 1 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 1 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 1 0 0 0  
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## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 1 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 1 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
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## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
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## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
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## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 12.9 13.02 13.05 13.2 13.5 13.65 13.8 13.86 13.95 14.175  
## 13.1215340544624 1 0 0 0 0 1 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 1 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 1 0 0 0 0 0 0  
## 16.4171895494126 1 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 1 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 1 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 1 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 1 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 1 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
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## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 1 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 1  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 1 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 1 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 1 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
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## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 14.25 14.4 14.49 14.55 14.625 14.7 14.85 15 15.075 15.12  
## 13.1215340544624 0 0 0 1 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 1 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
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## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 1 0 0 1 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 1 0 0 0  
## 19.1139055000119 0 0 0 0 0 1 0 0 0 0  
## 19.3485979939694 0 1 0 0 0 1 0 0 0 0  
## 19.6208980026453 0 0 0 0 1 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 1 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
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## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 1 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 1 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 1 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 1 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 1  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 1 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 1 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 1 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 1 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 15.15 15.3 15.45 15.525 15.6 15.75 15.9 15.975 16.05 16.2  
## 13.1215340544624 0 0 0 0 0 0 0 0 1 0  
## 13.9345216273796 0 0 0 0 0 1 0 0 0 0  
## 14.5572343832327 1 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0 1  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 1  
## 16.4040287003766 0 0 0 0 1 0 0 0 0 0  
## 16.4171895494126 0 1 0 0 1 0 0 0 0 0  
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## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
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## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 1 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 1 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 2 0 0 0 0  
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## 20.7584538618049 0 0 1 0 0 0 0 0 1 0  
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## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
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## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
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## 24.6754423049532 0 1 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 1  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 1  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 1  
## 26.3557737165707 0 0 0 0 0 0 0 1 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 1 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 16.35 16.38 16.425 16.5 16.5375 16.65 16.8 16.875 16.95  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 1 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 1 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 1 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 1 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 1 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 1 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 1 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 1 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 1 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 1 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 1 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 1 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 1 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 1 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 17.01 17.1 17.22 17.25 17.325 17.55 17.64 17.7 17.775 17.955  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 1 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 1 0 0 0 0 1 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 1 0 0 0 0 0 0  
## 17.1976502355867 0 1 0 2 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 1 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 1 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 1 0 0 0 0 0 1 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
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## 20.7584538618049 0 0 0 1 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
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## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 1  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 1 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 1 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 1 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 1 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 1 0 0 0 0 0 0 0 0  
## 25.323389908858 0 1 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 1 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 1 0 0 1 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 18 18.15 18.225 18.3 18.45 18.675 18.9 19.125 19.2 19.2375  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 1 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 1 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 1 0 0 0 1 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 1 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 1 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 1 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 2 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 1 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 1 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 2 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 1 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 1 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 1 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 1 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 1 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 1 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 1 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 1 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 1 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 1 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 19.32 19.35 19.5 19.575 19.65 19.74 19.8 19.95 20.025 20.1  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
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## 14.5572343832327 0 0 0 0 1 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 1 0 0 0 0 0  
## 15.481283984483 1 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 1 0 0 0 0  
## 16.4171895494126 0 0 0 0 1 0 0 1 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 2 0 0  
## 17.1976502355867 0 0 0 0 1 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 1 0 0  
## 17.7937056332194 0 0 0 0 0 1 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 1 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 1 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 1 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 1 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 1 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 1 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 1 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 1 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 1 0 0 0  
## 24.7859265324286 0 0 0 1 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 1 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 1 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 1 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 1 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 1 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 1 0 0 0 0 0 0  
##   
## predictrain 20.16 20.25 20.37 20.4 20.475 20.58 20.7 20.79 20.925 21  
## 13.1215340544624 0 0 0 0 0 0 1 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 1 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 1 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 1 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 1 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 1 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 1 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 1 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
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## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 1 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 1 0  
## 22.0538621781564 0 0 0 0 0 0 1 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 2 0 0 0 0 0  
## 23.2960189930541 0 1 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 1 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 1 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 1 0 0  
## 24.0266871633025 0 0 0 0 1 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 1 1 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 1 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 21.105 21.15 21.21 21.3 21.375 21.42 21.6 21.825 21.9 22.05  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 1 0 0 0 0 0 0 0 1  
## 16.1026578165037 0 0 1 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 1 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 1 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 1 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 1 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 1 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 1 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 1 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 1 0 0 0  
## 23.9760497021977 0 0 0 0 1 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 1  
## 24.6754423049532 0 0 0 0 0 0 1 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 1 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 1 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 1 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 1  
##   
## predictrain 22.275 22.35 22.365 22.5 22.68 22.725 22.8 22.95 22.995 23.1  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 1 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 1  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 1 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 1 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 1 0 0 0 0 0 0 0  
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## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
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## 23.1209942966988 0 0 0 1 1 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
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## 23.3286034288548 1 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 1 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 1 0 0 0 0 0 0 1 0 0  
## 24.9956710185822 0 0 0 0 0 1 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 1 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 23.175 23.25 23.2875 23.31 23.4 23.625 23.7 23.85 23.94 24  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 1 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 1 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 1 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 1 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 1 0 0 0 0 0  
## 22.7706167092097 1 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 1 1 0 1 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 1 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 1 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 1 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 24.075 24.0975 24.15 24.255 24.3 24.36 24.525 24.6 24.6375  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 1 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 1 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 1 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 1 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 1 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 1 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 1 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 1 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 1 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 2 1 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 1 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 1 0 0 0 0 0 0 0 0  
##   
## predictrain 24.75 24.78 24.9 24.975 25.2 25.3125 25.425 25.5 25.515  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
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## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 1 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 1 1 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 1 1 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 1 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 1 0 0  
## 22.7544023235041 0 0 0 0 0 0 1 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 1  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 1 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 2 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 1 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 1 0 0  
## 26.634570500574 1 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 25.65 25.8 25.83 25.875 25.9875 26.04 26.1 26.145 26.25  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 1 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 1 0 0 1 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 1  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 1 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 1 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 1 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 1 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 1 0  
## 24.7859265324286 0 0 0 0 0 0 1 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 1 0 0 0 0 0  
## 25.8342922816236 0 0 0 1 0 0 1 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 1 0 0  
## 27.5520802476099 0 1 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 26.325 26.4 26.46 26.55 26.6625 26.775 26.88 27 27.09 27.3  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 1 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 1  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 1 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 1 0 0 1 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 1 0 0 0  
## 20.990046630539 0 0 0 0 0 1 0 0 0 0  
## 21.3313310795535 1 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 1 0  
## 23.3131828225663 0 0 0 1 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 1 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 1 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 1 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 1 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 1 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 1 0 0 0 0 0 0 0 0 0  
##   
## predictrain 27.3375 27.405 27.45 27.51 27.6 27.675 27.72 27.8775 27.9  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 1 0 0  
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## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
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## 23.3023347136464 0 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0 0  
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## 24.6754423049532 0 0 0 0 0 0 0 0 0  
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## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 1 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
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## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 1 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 1  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 28.0125 28.125 28.2 28.35 28.5 28.575 28.665 28.77 28.8  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
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## 20.6528109497236 0 0 0 0 0 0 0 0 0  
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## 24.0266871633025 0 0 0 0 0 0 0 0 0  
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## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 1 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
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## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
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## 26.634570500574 0 0 0 1 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 29.025 29.1 29.19 29.25 29.295 29.3625 29.4 29.475 29.7  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
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## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 1 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 1 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 1 0 0 0 0 0  
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## 24.7859265324286 0 0 0 0 0 0 0 1 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 1 0 0 0 0  
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## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 1 0 0 0 0 0 0 0 0  
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## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
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##   
## predictrain 29.925 30 30.15 30.24 30.375 30.6 30.7125 30.8 30.9 31.05  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
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## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
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## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
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## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
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## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
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## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 1 0 0 0 0 0 0 0  
## 26.1753899543074 1 0 0 0 0 0 0 0 0 0  
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## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 1 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
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## 27.7759357571789 0 0 0 0 0 0 0 0 0 1  
##   
## predictrain 31.08 31.2 31.275 31.3875 31.5 31.6575 31.725 31.8 31.815  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
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## 18.5658995900926 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
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## 20.6528109497236 0 0 0 0 0 0 0 0 0  
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## 20.990046630539 0 0 0 0 0 0 0 0 0  
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## 21.6833361333487 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
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## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 1  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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## 25.9745838367814 0 0 0 0 0 0 0 0 0  
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## 27.5520802476099 0 0 0 0 1 0 0 0 0  
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##   
## predictrain 31.95 32.0625 32.1 32.13 32.175 32.4 32.445 32.6025 32.7  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.7638766305821 0 0 0 0 0 0 0 0 0  
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## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
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## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0  
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## 21.6833361333487 0 0 0 0 0 0 0 0 0  
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## 24.0266871633025 0 0 0 0 0 0 1 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
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## 25.323389908858 0 0 1 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 1 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 1 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 1 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 2 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 32.7375 32.85 33 33.075 33.3 33.32 33.39 33.4125 33.6 33.705  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 1 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 1 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 33.75 33.81 33.9 34.02 34.0875 34.2 34.335 34.425 34.5 34.65  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 1 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
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## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 1 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 1 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 1 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 1 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 34.8 34.875 34.965 35.1 35.28 35.325 35.4 35.4375 35.55 35.7  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 1 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 1 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 1 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 1 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 1 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 1 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 35.775 35.91 36 36.1125 36.12 36.3 36.45 36.54 36.6 36.675  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 1 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 1  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 1 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 36.75 36.7875 36.855 36.9 37.17 37.2 37.35 37.4625 37.5  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
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## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
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## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
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## 23.1209942966988 0 0 0 0 0 0 0 0 0  
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## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 1 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 1 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 1  
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## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 37.575 37.8 38 38.1 38.115 38.1375 38.25 38.2725 38.4 38.43  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 1  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
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## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 1 0  
## 22.2291321250933 0 1 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
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## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 1 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 38.475 38.7 38.745 39 39.15 39.2 39.3 39.375 39.4875 39.6  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
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## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
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## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
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## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
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## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 1 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 1 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 39.69 39.825 39.9 40 40.005 40.05 40.1625 40.2 40.32 40.5  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 1 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 1 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 1 0  
## 24.7859265324286 1 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 40.635 40.8 40.8375 40.95 41.1 41.1075 41.175 41.265 41.3  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 1 0  
## 23.3023347136464 0 0 0 0 0 0 0 1 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 1 0 0 1 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 1 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 41.4 41.58 41.7 41.85 42 42.1875 42.3 42.42 42.525 42.6  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 42.75 42.8625 42.9 43.155 43.2 43.4 43.5 43.5375 43.65 43.8  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
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## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
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## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
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## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 43.875 43.9425 44.1 44.415 44.55 44.8 44.8875 45 45.225 45.3  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 1 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 1 0 0 0 0 0 0  
##   
## predictrain 45.36 45.45 45.6 45.78 45.8325 45.9 45.99 46 46.2 46.2375  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 46.305 46.35 46.5 46.575 46.7775 46.8 46.9125 46.935 47.25  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 1 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 1 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 47.4 47.5875 47.7 47.7225 47.88 47.925 48 48.15 48.195 48.51  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 48.6 48.9375 49.05 49.275 49.35 49.5 49.56 49.77 49.8 49.95  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 50 50.085 50.4 50.625 50.82 50.85 51 51.03 51.3 51.5025 51.6  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 1 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 51.66 51.75 51.8 51.975 52 52.2 52.5 52.65 52.8 52.92 53.1  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
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## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
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## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 53.325 53.3925 53.4 53.55 53.6625 53.9 54 54.18 54.3375  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
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## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 54.45 54.6 54.675 54.9 55 55.2 55.35 55.44 55.755 55.8  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 56.025 56.07 56.2275 56.25 56.4 56.7 57 57.15 57.33 57.375  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 57.6 57.75 57.96 58.05 58.1 58.3875 58.5 58.59 58.725 58.95  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
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## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 59.0625 59.22 59.4 59.7375 59.85 60 60.075 60.2 60.3 60.48  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 60.6 60.75 60.9 61.11 61.2 61.425 61.6 61.65 61.74 62.1  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
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## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 62.37 62.55 62.775 62.8425 63 63.315 63.45 63.63 63.7875  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 63.9 64 64.05 64.125 64.2 64.26 64.35 64.4 64.5 64.8 64.89  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 65 65.1 65.205 65.25 65.4 65.475 65.52 65.7 65.8 65.8125 66  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 66.15 66.5 66.6 66.825 67 67.05 67.095 67.2 67.41 67.5 67.62  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
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## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 67.8 67.9 67.95 68 68.04 68.175 68.25 68.4 68.67 68.85 69  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
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## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 69.3 69.525 69.6 69.75 69.93 70 70.2 70.35 70.5 70.56 70.65  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 70.8 70.875 71.1 71.3475 71.4 71.55 71.82 72 72.1 72.225  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 72.2925 72.45 72.52 72.765 72.8 72.9 73.2 73.5 73.575 73.71  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 73.8 74.2 74.25 74.55 74.655 74.7 74.925 74.97 75 75.6  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 75.9375 76 76.05 76.2 76.23 76.275 76.3 76.44 76.5 76.65  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 76.8 76.95 77 77.175 77.4 77.49 77.625 77.7 78 78.12 78.3  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 78.4 78.435 78.6 78.75 78.975 79 79.1 79.2 79.38 79.5 79.65  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 79.8 79.9875 80 80.01 80.1 80.325 80.36 80.5 80.64 80.85 81  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 81.27 81.45 81.6 81.675 81.9 82 82.215 82.35 82.5 82.6 82.8  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 82.95 83 83.025 83.16 83.7 83.79 84 84.105 84.375 84.6 85  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 85.05 85.2 85.4 85.5 85.68 85.725 85.8 85.995 86.1 86.4  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
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## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
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## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
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## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
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## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
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## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 86.625 86.73 86.94 87 87.075 87.15 87.22 87.3 87.75 88  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
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## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
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## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
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## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
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## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
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## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 88.0875 88.2 88.425 88.5 88.83 89 89.1 89.18 89.3025 89.6  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 89.775 90 90.09 90.3 90.45 90.72 90.9 91 91.125 91.14 91.35  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
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## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
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## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 91.5 91.665 91.8 92 92.1375 92.25 92.4 92.61 92.7 93 93.15  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
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## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 93.24 93.45 93.555 93.6 93.825 94 94.1625 94.5 95.175 95.2  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 95.4 95.445 95.55 95.85 95.9 96 96.04 96.3 96.39 96.6 97  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
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## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 97.2 97.335 97.5 97.65 97.8075 97.875 98.1 98.28 98.4 98.55  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 98.7 99 99.225 99.75 99.9 99.96 100 100.1 100.17 100.6425  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 100.8 101 101.25 101.43 101.7 101.85 101.925 102 102.06  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 102.2 102.2625 102.375 102.6 102.9 103.275 103.4775 103.5  
## 13.1215340544624 0 0 0 0 0 0 0 0  
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## 14.5572343832327 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0  
##   
## predictrain 103.6 103.635 103.88 103.95 104 104.2875 104.4 104.625  
## 13.1215340544624 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0  
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## 23.3286034288548 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0  
##   
## predictrain 104.86 104.895 105 105.3 105.75 105.84 105.975 106 106.2  
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## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
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## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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## 26.1753899543074 0 0 0 0 0 0 0 0 0  
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## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
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## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 106.3125 106.4 106.5 106.65 106.785 106.82 107 107.1 107.31  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
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## 22.7706167092097 0 0 0 0 0 0 0 0 0  
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## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
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## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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## 25.9745838367814 0 0 0 0 0 0 0 0 0  
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## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
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## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 107.325 107.73 107.8 108 108.15 108.675 108.78 109 109.2  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
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## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
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## 24.0145924469372 0 0 0 0 0 0 0 0 0  
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## 24.0266871633025 0 0 0 0 0 0 0 0 0  
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## 24.7859265324286 0 0 0 0 0 0 0 0 0  
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## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 109.35 109.5 109.62 109.8 110.25 110.565 110.6 110.7 111  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.7638766305821 0 0 0 0 0 0 0 0 0  
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## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
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## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
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## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
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## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
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## 24.7859265324286 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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## 25.9745838367814 0 0 0 0 0 0 0 0 0  
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## 26.1753899543074 0 0 0 0 0 0 0 0 0  
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## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 111.3 111.375 111.51 111.6 111.72 112 112.05 112.455 112.5  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
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## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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## 26.1753899543074 0 0 0 0 0 0 0 0 0  
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## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 112.7 113.19 113.4 113.68 114 114.075 114.3 114.345 114.4125  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
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## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
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## 18.5658995900926 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
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## 23.3023347136464 0 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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## 25.9745838367814 0 0 0 0 0 0 0 0 0  
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## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
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## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 114.66 114.75 114.8 115.2 115.425 115.5 115.64 116 116.1  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.7638766305821 0 0 0 0 0 0 0 0 0  
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## 26.1753899543074 0 0 0 0 0 0 0 0 0  
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## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
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## 27.5520802476099 0 0 0 0 0 0 0 0 0  
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##   
## predictrain 116.235 116.4375 116.55 116.62 116.9 117 117.45 117.6  
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## 15.481283984483 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0  
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## 26.0838747584788 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0  
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## 26.3557737165707 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0  
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## 27.7759357571789 0 0 0 0 0 0 0 0  
##   
## predictrain 117.6525 117.9 118 118.125 118.4625 118.5 118.65 118.8 119  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.7638766305821 0 0 0 0 0 0 0 0 0  
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## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0 0  
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## 24.0266871633025 0 0 0 0 0 0 0 0 0  
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## 24.7859265324286 0 0 0 0 0 0 0 0 0  
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## 27.5520802476099 0 0 0 0 0 0 0 0 0  
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## 27.7759357571789 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
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## 18.5658995900926 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
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## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
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## 24.0266871633025 0 0 0 0 0 0 0 0 0  
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## 24.7859265324286 0 0 0 0 0 0 0 0 0  
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## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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##   
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
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##   
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 124.5 124.6 124.74 124.95 125.1 125.55 125.685 126 126.63  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
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## 20.990046630539 0 0 0 0 0 0 0 0 0  
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## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
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## 22.7706167092097 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 126.9 127 127.05 127.4 127.5 127.575 127.8 128.1 128.25  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 128.52 128.7 128.8 129 129.36 129.6 130 130.2 130.34 130.41  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 130.5 130.83 130.95 131 131.25 131.32 131.355 131.4 131.6  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
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##   
## predictrain 131.625 132 132.3 132.6375 133 133.245 133.5 133.65 133.875  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
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## 21.3313310795535 0 0 0 0 0 0 0 0 0  
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## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
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## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
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## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 134 134.1 134.19 134.4 134.6625 135 135.24 135.675 135.8  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
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## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
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## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
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## 24.9956710185822 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0  
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## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 135.9 136 136.08 136.35 136.5 136.8 137.2 137.4975 137.7 138  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
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## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
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## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
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## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
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## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 138.18 138.6 138.915 139.05 139.5 139.65 139.725 139.86 140  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
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## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
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## 19.1139055000119 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
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## 21.6833361333487 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
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## 23.3131828225663 0 0 0 0 0 0 0 0 0  
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## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 140.175 140.3325 140.4 140.805 141 141.3 141.75 142 142.5  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
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## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0 0  
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## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
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## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
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## 26.1753899543074 0 0 0 0 0 0 0 0 0  
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## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 142.8 143.1 143.325 143.775 144 144.06 144.2 144.45 144.7875  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
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## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
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## 18.5658995900926 0 0 0 0 0 0 0 0 0  
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## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
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## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
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## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
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## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
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## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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## 26.679412566624 0 0 0 0 0 0 0 0 0  
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## 27.5520802476099 0 0 0 0 0 0 0 0 0  
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## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
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## 18.5658995900926 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
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## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
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## 25.323389908858 0 0 0 0 0 0 0 0 0  
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## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
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## 27.5520802476099 0 0 0 0 0 0 0 0 0  
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## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
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## 21.3313310795535 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
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## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
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## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 149.625 149.8 149.85 149.94 150 150.3 150.8625 150.92 151.2  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
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## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
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## 24.0266871633025 0 0 0 0 0 0 0 0 0  
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## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 151.5 151.6725 151.875 152 152.145 152.55 152.6 152.775  
## 13.1215340544624 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0  
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## 22.0538621781564 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0  
##   
## predictrain 152.88 153 153.3 153.9 154.035 154.35 154.5 155.25 155.4  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
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## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 155.82 155.925 156 156.6 157.29 157.5 157.95 158 158.2  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
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## 20.990046630539 0 0 0 0 0 0 0 0 0  
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## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
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## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
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## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 158.55 158.76 159 159.3 159.6 160.1775 160.2 160.65 160.72  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
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## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
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## 20.7584538618049 0 0 0 0 0 0 0 0 0  
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## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
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## 23.3023347136464 0 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
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## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
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## 14.5572343832327 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
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## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
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## 22.7544023235041 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0 0  
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## 24.0266871633025 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 164.025 164.25 164.43 164.64 164.7 165 165.2 165.8475 165.9  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0  
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## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
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## 19.1139055000119 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0  
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## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
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## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
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## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
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## predictrain 166 166.05 166.11 166.5 166.6 166.95 167.265 167.4 167.58  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
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## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
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## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 22.7706167092097 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
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## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
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## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
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## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
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## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 168 168.075 168.525 168.75 169.4 169.5 170 170.1 170.8 171  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
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## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
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## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
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## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
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## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
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## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
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## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
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## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
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## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
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## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
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## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
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## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
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## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
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## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.4171895494126 0 0 0 0 0 0 0 0 0  
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## 17.3546289002901 0 0 0 0 0 0 0 0 0  
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## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
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## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 176.4 176.85 177 177.8 178 178.2 178.5 179.2 179.55 180  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 180.0225 180.6 180.9 181.5 182 182.25 182.7 183 183.015  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 183.4 183.6 184 184.275 184.5 184.8 184.95 185.22 186 186.2  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 186.3 186.75 186.9 187.425 187.6 187.65 188 188.325 189  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 189.945 190 190.05 190.35 190.5 191.1 191.7 191.8 192 192.15  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 192.375 192.57 192.78 193.05 193.2 193.5 193.725 194 195  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 195.3 195.51 195.615 195.75 196 196.425 196.5 197.1 197.4  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
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## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
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## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 198 198.45 199.5 199.8 200 200.2 200.25 200.475 201 201.15  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 201.6 202 202.5 202.86 203.7 203.85 204 204.33 204.525  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 204.75 205.8 206 206.325 206.55 207 207.9 208 208.5 208.575  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 209.25 210 210.21 210.6 211.05 211.2075 211.5 211.68 212  
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## 13.9345216273796 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
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## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
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## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 212.1 212.625 213 213.3 213.75 213.885 214 214.2 214.5  
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## 14.5572343832327 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
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## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
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## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 214.65 215.6 216 216.3 216.675 217.35 218 218.25 218.4 218.7  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
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## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
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## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 219 220 220.725 221.97 222 222.075 222.6 222.705 222.75  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
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## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 223.5 223.65 224.7 224.775 225 225.4 226 226.5 226.8 227.25  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 228 228.15 228.825 228.9 229.5 229.95 231 231.525 232  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 232.875 233.1 234 234.9 235.2 235.935 236 236.25 236.6 237  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
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## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
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## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
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## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
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## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
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## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 237.3 237.6 238.14 238.5 238.95 239.4 240 240.75 240.975  
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## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 241.5 242 242.55 243 243.6 244 244.755 245.025 245.25 245.7  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 246 246.96 247.05 247.5 248 248.85 249 249.165 249.75 251.1  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 252 254 254.1 254.25 255 255.15 256 256.2 256.5 257.175  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 257.85 258 258.3 258.75 260 261 261.45 262 262.5 264 264.6  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 265.275 265.5 266.7 267 267.3 267.75 268 268.8 269.01  
## 13.1215340544624 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0  
##   
## predictrain 269.325 270 270.9 271.35 272 272.25 273 274 274.05 274.5  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 275.4 275.625 276 277.2 279 279.3 279.45 280 280.35 281.25  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 281.4 282 284 285 285.6 285.75 286 286.65 287.7 288 288.855  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 289.8 290.25 291 291.9 292.5 292.95 293.625 294 296.1 297  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 297.675 298 299.25 299.7 299.88 300 300.3 301.5 302.085 303  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 304 304.29 304.5 305.55 306 306.6 307.8 308.25 308.7 309 310  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 310.5 310.8 310.905 311.85 312 312.9 313.875 315 318 318.15  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
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## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 319.5 321 321.3 321.93 324 324.45 325.5 327 327.6 328.05  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 328.5 329.7 330 330.75 333 333.9 335.25 336 337.5 338.175  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 339 340.2 342 342.3 343.35 344.4 346.275 346.5 348 349.65  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 351 352.8 354 355.5 355.95 357 359.1 360 362 363 364.5 365.4  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 366 368 368.55 369 371.7 372 374.85 375 378 381 381.15 382.5  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 384 384.3 384.75 387 390 391.5 393 393.75 396 396.9 399  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 400.05 400.5 403 403.2 405 406.35 408 409.5 411 414 415.8  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 417 418.5 420 421 422.1 423 425.25 426 427.5 431.55 432 435  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 439 441 444 444.15 445.5 447 447.3 450 450.45 452.5 453  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 453.6 454.5 459 459.9 463.5 466.2 468 469.35 470.5 471 472.5  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 474 477 480 481.5 483 486 490.5 494.55 495 497.7 499.5 501  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 502 504 506.5 508.5 510.3 513 517.5 522 526.5 531 532.35 534  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 535.5 540 544.5 546 547 553.5 558 562.5 571.5 576 580.5 585  
## 13.1215340544624 0 0 0 0 0 0 0 0 0 0 0 0  
## 13.9345216273796 0 0 0 0 0 0 0 0 0 0 0 0  
## 14.5572343832327 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.3126692594984 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.481283984483 0 0 0 0 0 0 0 0 0 0 0 0  
## 15.9744295035248 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.1026578165037 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.4040287003766 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.4171895494126 0 0 0 0 0 0 0 0 0 0 0 0  
## 16.7638766305821 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1171810663743 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.1976502355867 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.3546289002901 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.7937056332194 0 0 0 0 0 0 0 0 0 0 0 0  
## 17.9322686746165 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.0479510265903 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.1953856856818 0 0 0 0 0 0 0 0 0 0 0 0  
## 18.5658995900926 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.1139055000119 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.3485979939694 0 0 0 0 0 0 0 0 0 0 0 0  
## 19.6208980026453 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.325629623049 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.3308988797933 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.5945680165162 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6068572123477 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.6528109497236 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.7584538618049 0 0 0 0 0 0 0 0 0 0 0 0  
## 20.990046630539 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.3313310795535 0 0 0 0 0 0 0 0 0 0 0 0  
## 21.6833361333487 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0201564485129 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.0538621781564 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.2291321250933 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.6082931944114 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7544023235041 0 0 0 0 0 0 0 0 0 0 0 0  
## 22.7706167092097 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.1209942966988 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.2960189930541 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3023347136464 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3131828225663 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.3286034288548 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.8607051129462 0 0 0 0 0 0 0 0 0 0 0 0  
## 23.9760497021977 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0145924469372 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266413936787 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.0266871633025 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.6754423049532 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.7859265324286 0 0 0 0 0 0 0 0 0 0 0 0  
## 24.9956710185822 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.323389908858 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.3716653272812 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.4753018357502 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.8342922816236 0 0 0 0 0 0 0 0 0 0 0 0  
## 25.9745838367814 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.0838747584788 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.1753899543074 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.2932775040679 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.3557737165707 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.4714250171268 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.634570500574 0 0 0 0 0 0 0 0 0 0 0 0  
## 26.679412566624 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.0922660118478 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.5520802476099 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.6109483091162 0 0 0 0 0 0 0 0 0 0 0 0  
## 27.7759357571789 0 0 0 0 0 0 0 0 0 0 0 0  
##   
## predictrain 589.5 592.2 594 641.5  
## 13.1215340544624 0 0 0 0  
## 13.9345216273796 0 0 0 0  
## 14.5572343832327 0 0 0 0  
## 15.3126692594984 0 0 0 0  
## 15.481283984483 0 0 0 0  
## 15.9744295035248 0 0 0 0  
## 16.1026578165037 0 0 0 0  
## 16.4040287003766 0 0 0 0  
## 16.4171895494126 0 0 0 0  
## 16.7638766305821 0 0 0 0  
## 17.1171810663743 0 0 0 0  
## 17.1976502355867 0 0 0 0  
## 17.3546289002901 0 0 0 0  
## 17.7937056332194 0 0 0 0  
## 17.9322686746165 0 0 0 0  
## 18.0479510265903 0 0 0 0  
## 18.1953856856818 0 0 0 0  
## 18.5658995900926 0 0 0 0  
## 19.1139055000119 0 0 0 0  
## 19.3485979939694 0 0 0 0  
## 19.6208980026453 0 0 0 0  
## 20.325629623049 0 0 0 0  
## 20.3308988797933 0 0 0 0  
## 20.5945680165162 0 0 0 0  
## 20.6068572123477 0 0 0 0  
## 20.6528109497236 0 0 0 0  
## 20.7584538618049 0 0 0 0  
## 20.990046630539 0 0 0 0  
## 21.3313310795535 0 0 0 0  
## 21.6833361333487 0 0 0 0  
## 22.0201564485129 0 0 0 0  
## 22.0538621781564 0 0 0 0  
## 22.2291321250933 0 0 0 0  
## 22.6082931944114 0 0 0 0  
## 22.7544023235041 0 0 0 0  
## 22.7706167092097 0 0 0 0  
## 23.1209942966988 0 0 0 0  
## 23.2960189930541 0 0 0 0  
## 23.3023347136464 0 0 0 0  
## 23.3131828225663 0 0 0 0  
## 23.3286034288548 0 0 0 0  
## 23.8607051129462 0 0 0 0  
## 23.9760497021977 0 0 0 0  
## 24.0145924469372 0 0 0 0  
## 24.0266413936787 0 0 0 0  
## 24.0266871633025 0 0 0 0  
## 24.6754423049532 0 0 0 0  
## 24.7859265324286 0 0 0 0  
## 24.9956710185822 0 0 0 0  
## 25.323389908858 0 0 0 0  
## 25.3716653272812 0 0 0 0  
## 25.4753018357502 0 0 0 0  
## 25.8342922816236 0 0 0 0  
## 25.9745838367814 0 0 0 0  
## 26.0838747584788 0 0 0 0  
## 26.1753899543074 0 0 0 0  
## 26.2932775040679 0 0 0 0  
## 26.3557737165707 0 0 0 0  
## 26.4714250171268 0 0 0 0  
## 26.634570500574 0 0 0 0  
## 26.679412566624 0 0 0 0  
## 27.0922660118478 0 0 0 0  
## 27.5520802476099 0 0 0 0  
## 27.6109483091162 0 0 0 0  
## 27.7759357571789 0 0 0 0  
## [ reached getOption("max.print") -- omitted 671 rows ]

#Random forest like statquest  
set.seed(42)  
#Build the random forest using the entire  
model <- randomForest(Prijs ~., data = TrainSet, proximity = TRUE)  
model

##   
## Call:  
## randomForest(formula = Prijs ~ ., data = TrainSet, proximity = TRUE)   
## Type of random forest: regression  
## Number of trees: 500  
## No. of variables tried at each split: 2  
##   
## Mean of squared residuals: 2745.067  
## % Var explained: 76.51