

In [21]: # Importing all necessary packages

```
import numpy as np
import pandas as pd
import seaborn as sns
import itertools
from matplotlib import pyplot
matplotlib inline

import missingno
import warnings
warnings.filterwarnings('ignore')

from datetime import datetime

from sklearn.model_selection import train_test_split, StratifiedKFold
from sklearn.model_selection import KFold
from sklearn.model_selection import cross_val_score
from sklearn.ensemble import BaggingRegressor

from catboost import CatBoostClassifier, CatBoostRegressor, Pool, cv

import xgboost as xgb

from sklearn.metrics import mean_squared_error

from sklearn.preprocessing import OneHotEncoder, LabelEncoder

from scipy.special import boxcox, inv_boxcox
```

Reading Datasets

In [22]: train_file = pd.read_csv("/home/jiten/Desktop/ML Submissions/MachineHack/VideoGames/Data/Train.csv")
test_file = pd.read_csv("/home/jiten/Desktop/ML Submissions/MachineHack/VideoGames/Data/Test.csv")

In [23]: len(train_file)

Out[23]: 3596

In [24]: len(test_file)

Out[24]: 1563

In [25]: train_file.describe()

Out[25]:

	ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS	SalesInMillions
count	3506.000000	3506.000000	3506.000000	3506.000000	3506.000000	3506.000000	3506.000000	3506.000000	
mean	2282.233600	2008.990302	3.790831	0.405824	2.171021				
std	128.272422	4.304252	3.141781	0.456541	2.495596				
min	1.000000	1997.000000	0.569866	0.000341	0.001524				
25%	1220.250000	2006.000000	1.738095	0.065966	0.965679				
50%	2262.500000	2009.000000	2.766667	0.233333	1.966140				
75%	3404.750000	2012.000000	4.621528	0.598333	2.792029				
max	4623.000000	2019.000000	23.250000	2.325000	84.226041				

In [26]: train_file.head()

Out[26]:

	ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS	SalesInMillions
0	2860	ds	2008	role-playing	Nintendo	E	2.833333	0.303704	1.779257
1	731	wii	2012	simulation	Konami Digital Entertainment	E10+	13.200000	1.640000	0.215050
2	495	pc	2019	shooter	Activision	M	4.562500	0.006410	0.534402
3	2641	ps2	2002	sports	Electronic Arts	E	4.181818	0.326923	1.383964
4	811	ps3	2013	action	Activision	M	2.259259	0.032579	0.082671

In [27]: train_df = train_file.copy()
test_df = test_file.copy()
train_df = train_df.drop_duplicates()
len(train_df)

Out[27]: 3596

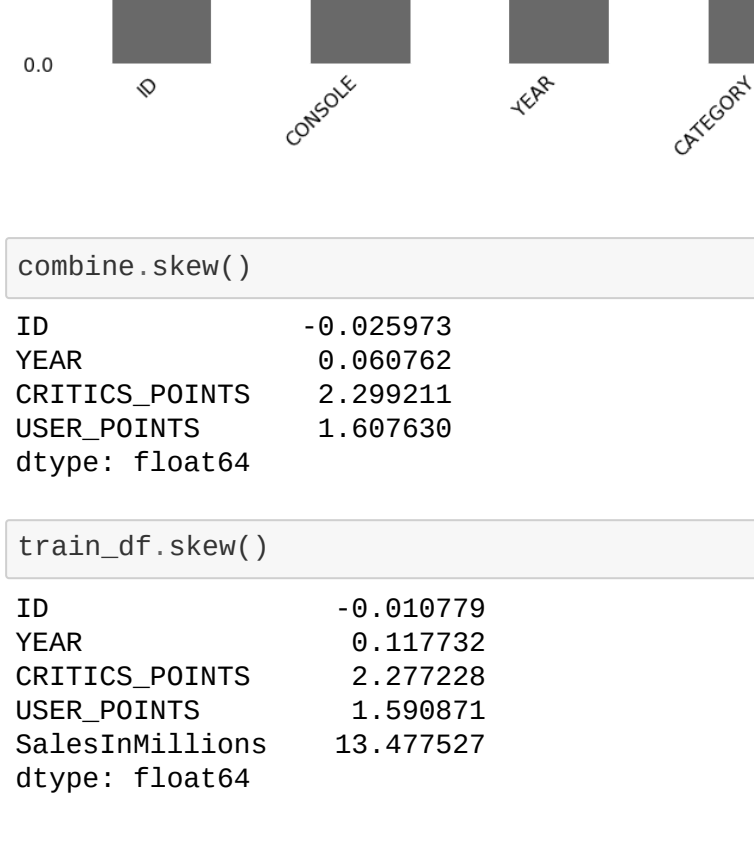
In [28]: train_df.head()

Out[28]:

	ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS	SalesInMillions
0	2860	ds	2008	role-playing	Nintendo	E	2.833333	0.303704	1.779257
1	731	wii	2012	simulation	Konami Digital Entertainment	E10+	13.200000	1.640000	0.215050
2	495	pc	2019	shooter	Activision	M	4.562500	0.006410	0.534402
3	2641	ps2	2002	sports	Electronic Arts	E	4.181818	0.326923	1.383964
4	811	ps3	2013	action	Activision	M	2.259259	0.032579	0.082671

In [29]: sns.distplot(train_file.CRITICS_POINTS)

Out[29]: <matplotlib.axes._subplots.AxesSubplot at 0x7f28b7734d08>



In [30]: test_df.head()

Out[30]:

	ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS	SalesInMillions
0	4301	ps2	2007	action	Tecmo Koei	T	3.928571	0.482353	
1	4011	psp	2008	strategy	Aetri	E10+	5.538462	0.071795	
2	2185	ps2	2004	shooter	Electronic Arts	T	3.034483	0.062044	
3	1644	x	2006	action	Electronic Arts	E	2.913043	0.880000	
4	188	3ds	2011	racing	Ubisoft	E10+	1.162162	0.183333	

In [31]: min(train_df.ID)

Out[31]: 1

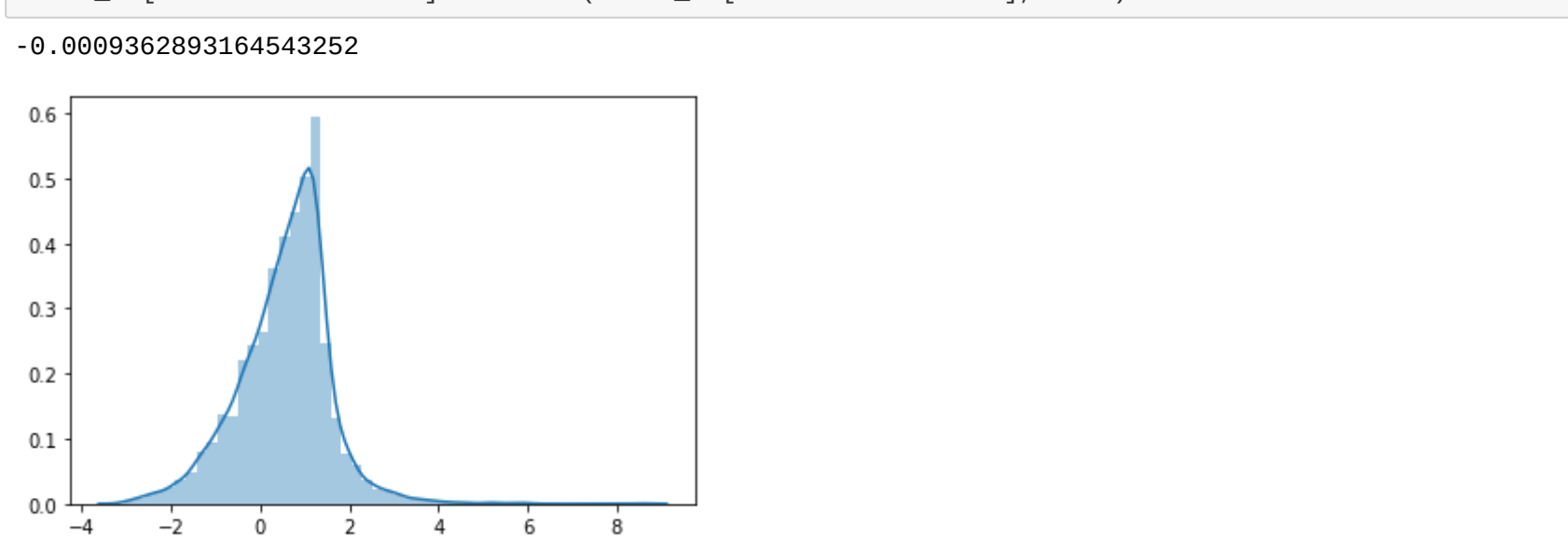
In [32]: min(test_df.ID)

Out[32]: 0

Combining Train and Test sets for EDA

In [33]: combine = pd.concat([train_df.drop("SalesInMillions",axis = 1),test_df])

Out[33]: <matplotlib.axes._subplots.AxesSubplot at 0x7f28b6878e58>



In [34]: combine.skew()

Out[34]:

	ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS	SalesInMillions
0	2860	ds	2008	role-playing	Nintendo	E	2.833333	0.303704	1.779257
1	731	wii	2012	simulation	Konami Digital Entertainment	E10+	13.200000	1.640000	0.215050
2	495	pc	2019	shooter	Activision	M	4.562500	0.006410	0.534402
3	2641	ps2	2002	sports	Electronic Arts	E	4.181818	0.326923	1.383964
4	811	ps3	2013	action	Activision	M	2.259259	0.032579	0.082671

In [35]: train_df.skew()

Out[35]:

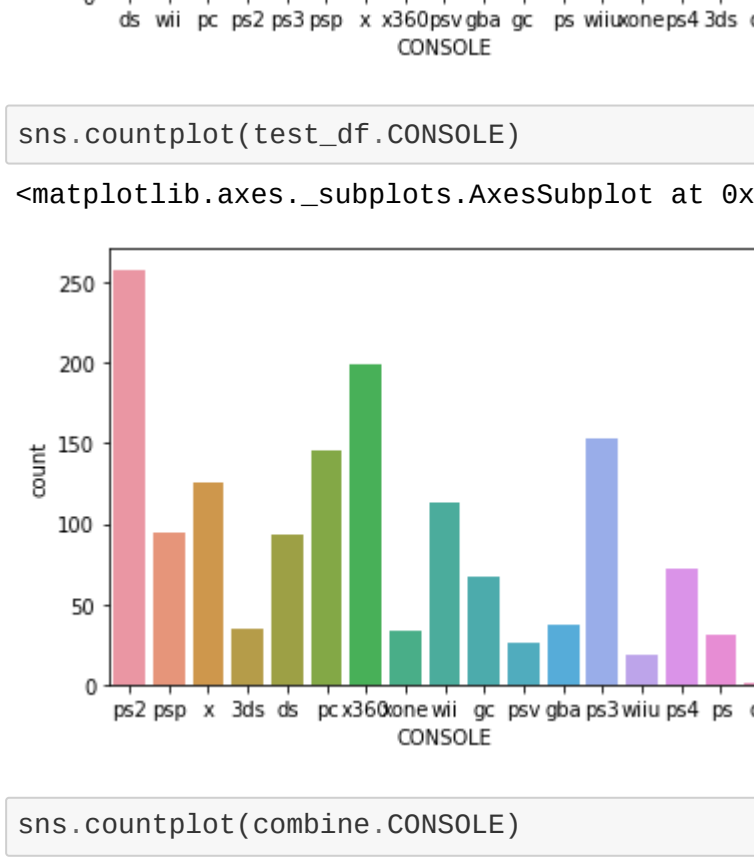
	ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS	SalesInMillions
0	2860	ds	2008	role-playing	Nintendo	E	2.833333	0.303704	1.779257
1	731	wii	2012	simulation	Konami Digital Entertainment	E10+	13.200000	1.640000	0.215050
2	495	pc	2019	shooter	Activision	M	4.562500	0.006410	0.534402
3	2641	ps2	2002	sports	Electronic Arts	E	4.181818	0.326923	1.383964
4	811	ps3	2013	action	Activision	M	2.259259	0.032579	0.082671

Univariate Analysis of Features

Output Variable

In [36]: sns.distplot(train_df.SalesInMillions)

Out[36]: <matplotlib.axes._subplots.AxesSubplot at 0x7f28b719cd08>

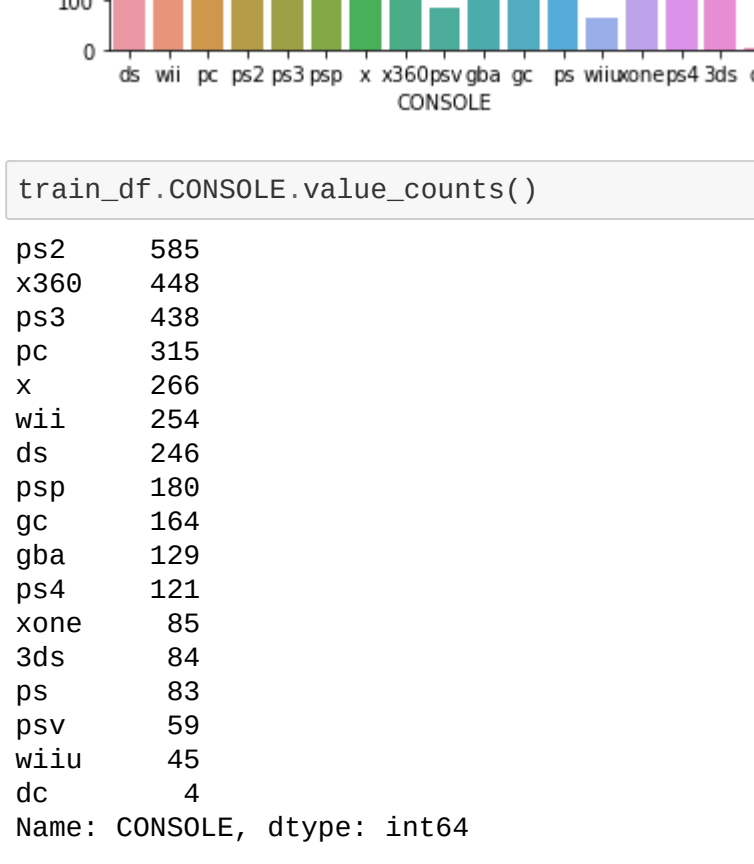


In [37]: def modify_a_col(col,x):
col = boxcox(col, x)
print(col.skew())
sns.distplot(col)

Reduced Skewness of Output Variable by applying boxcox transformation

In [38]: modify_a_col(train_df[\"SalesInMillions\"],0.27)

Out[38]: train_df[\"SalesInMillions\"] = boxcox(train_df[\"SalesInMillions\"], 0.27)



ID col cannot be ignored since it has repeated values

In [39]: train_file.columns

Out[39]: Index(['ID', 'CONSOLE', 'YEAR', 'CATEGORY', 'PUBLISHER', 'RATING', 'CRITICS_POINTS', 'USER_POINTS', 'SalesInMillions'], dtype='object')

CONSOLE COLUMN

In [42]: if set(train_df.CONSOLE.unique()) == set(test_df.CONSOLE.unique()):
print(\"All consoles are perfect !\")

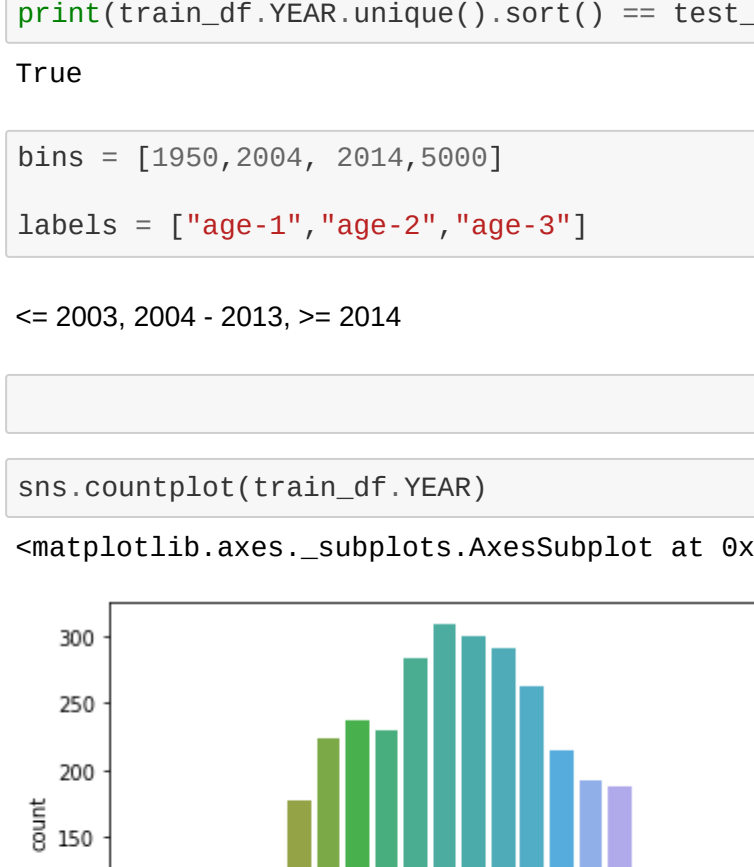
Out[42]: All consoles are perfect !

In [43]: print(set(train_df.CONSOLE))

Out[43]: {'x360', 'psp', 'ps2', 'ds', 'gc', 'ps', 'wiiu', 'ps4', '3ds', 'dc', 'xone', 'x', 'psv', 'pc', 'gba', 'wii', 'ps3'}

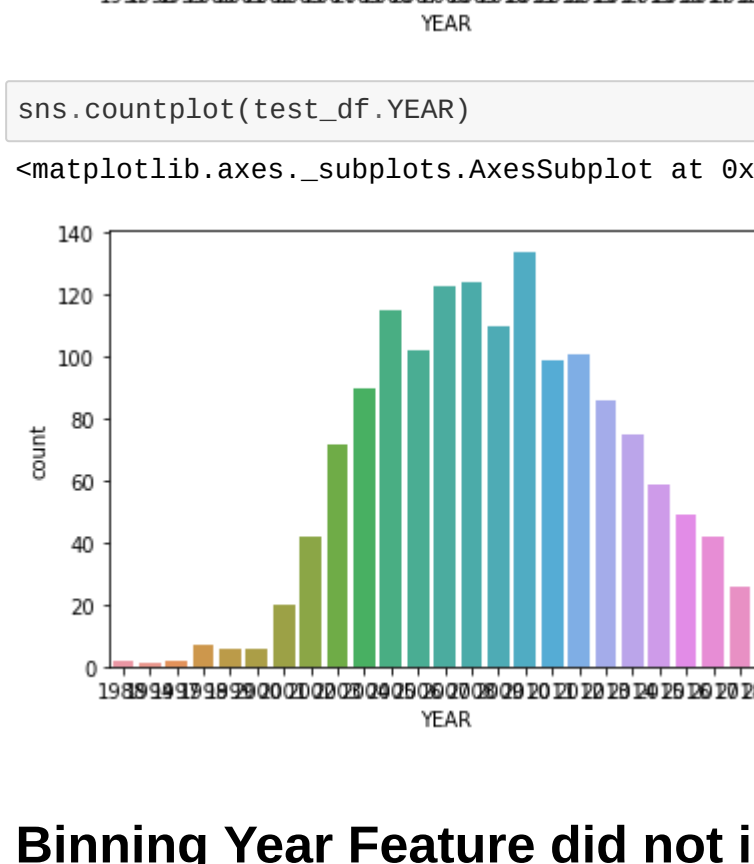
In [44]: sns.countplot(train_df.CONSOLE)

Out[44]: <matplotlib.axes._subplots.AxesSubplot at 0x7f28b7165958>



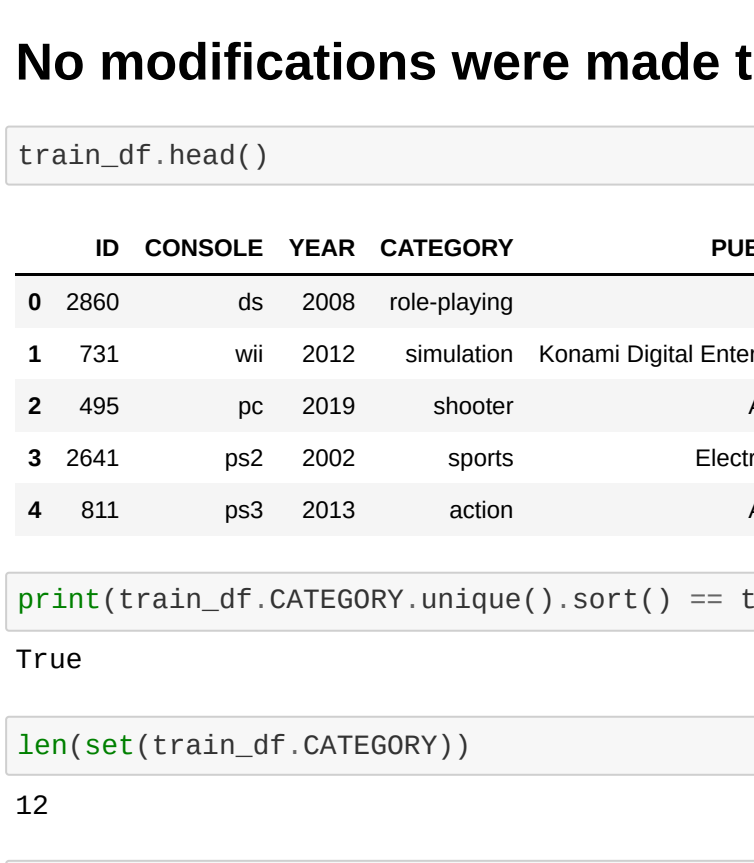
In [45]: sns.countplot(test_df.CONSOLE)

Out[45]: <matplotlib.axes._subplots.AxesSubplot at 0x7f28b6f975d8>



In [46]: sns.countplot(combine.CONSOLE)

Out[46]: <matplotlib.axes._subplots.AxesSubplot at 0x7f28b6ec2718>



In [47]: train_df.CONSOLE.value_counts()

Out[47]:

	ps2	x360	ps3	pc	x	wiiu	ds	3ds	ps	psv	wiiu	dc	NAME
0	585	448	438	146	125	254	246	188	164	129	121	85	NAME: CONSOLE, dtype: int64
1	258	199	153	146	125	254	246	188	164	129	121	85	
2	258	199	153	146	125	254	246	188	164	129	121	85	
3	258	199	153	146	125	254	246	188	164	129	121	85	
4	258	199	153	146	125	254	246	188	164	129	121	85	

In [48]: test_df.CONSOLE.value_counts()

Out[48]:

	ps2	x360	ps3	pc	x	wiiu	ds	3ds	ps	psv	wiiu	dc	NAME
0	258	199	153	146	125	254	246	188	164	129	121	85	NAME: CONSOLE, dtype: int64
1	258	199	153	146	125	254	246	188	164	129	121	85	
2	258	199	153	146	125	254	246	188	164	129	121	85	
3	258	199	153	146	125	254	246	188	164	129	121	85	
4	258	199	153	146	125	254	246	188	164	129	121	85	

In [49]: train_df.head()

Out[49]:

	ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS	SalesInMillions
0	2860	ds	2008	role-playing	Nintendo	E	2.833333	0.303704	0.623434
1	731	wii	2012	simulation	Konami Digital Entertainment	E10+	13.200000	1.640000	-1.257900
2	495	pc	2019	shooter	Activision	M	4.562500	0.006410	-0.576469
3	2641	ps2	2002	sports	Electronic Arts	E	4.181818	0.326923	0.339633
4	811	ps3	2013	action	Activision	M	2.259259	0.032579	-1.814317

In [50]: x = train_df.YEAR.unique()

Out[50]: print(list(set(x)))
[1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019]

In [51]: y = test_df.YEAR.unique()

Out[51]: print(list(set(y)))
[1988, 1994, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019]

In [52]: print(train_df.YEAR.unique().sort() == test_df.YEAR.unique().sort())

Out[52]: True

In [53]: bins = [1950, 2004, 2014, 5000]

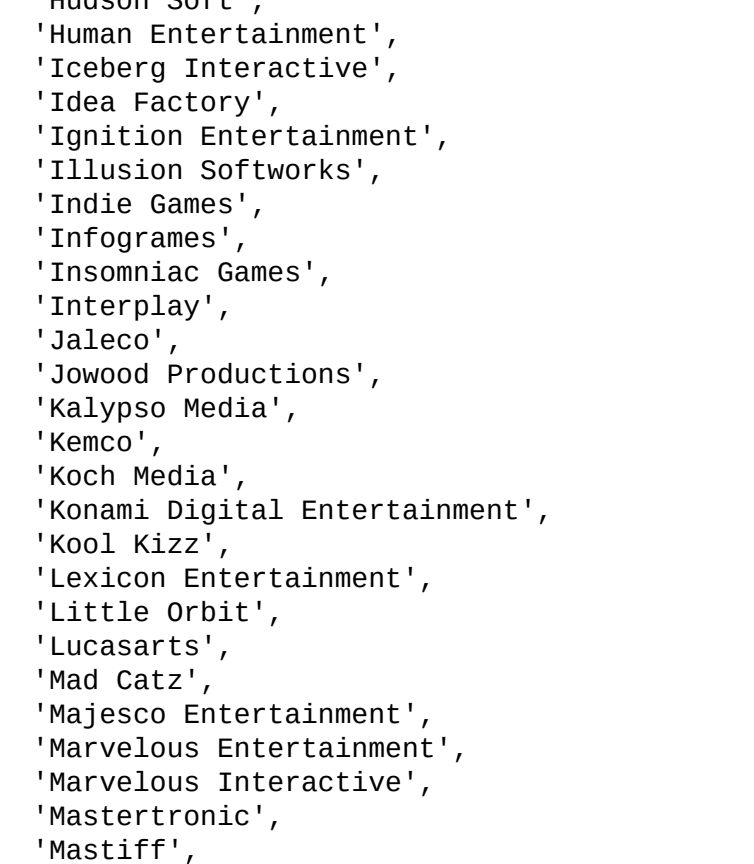
Out[53]: labels = [\"age-1\", \"age-2\", \"age-3\"]

Out[53]: <= 2003, 2004 - 2013, >= 2014

In []:

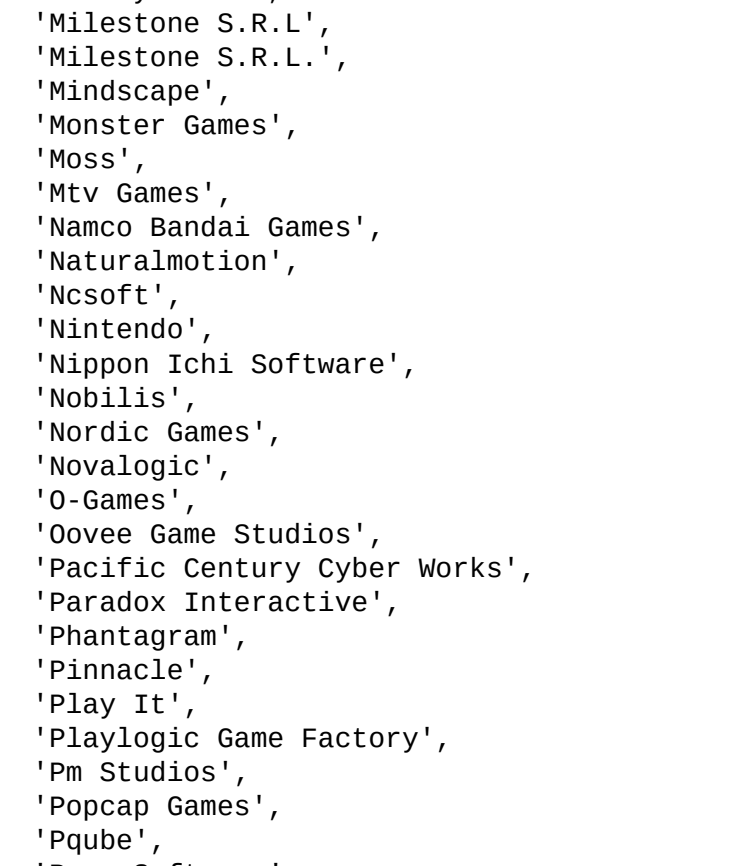
In [54]: sns.countplot(train_df.YEAR)

Out[54]: <matplotlib.axes._subplots.AxesSubplot at 0x7f28b6e1b398>



In [55]: sns.countplot(test_df.YEAR)

Out[55]: <matplotlib.axes._subplots.AxesSubplot at 0x7f28b6d633d8>



Binning Year Feature did not improve any accuracy

In []: # train_df[\"YEAR\"] = pd.cut(train_df[\"YEAR\"], bins=bins, labels=labels)
test_df[\"YEAR\"] = pd.cut(test_df[\"YEAR\"], bins=bins, labels=labels)
combine[\"YEAR\"] = pd.cut(combine[\"YEAR\"], bins=bins, labels=labels)

No modifications were made to CATEGORY feature

In [63]: train_df.head()

Out[63]:

	ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS	SalesInMillions
0	2860	ds	2008	role-playing	Nintendo	E	2.833333	0.303704	0.623434
1	731	wii	2012	simulation	Konami Digital Entertainment	E10+	13.200000	1.640000	-1.257900
2	495	pc	2019	shooter	Activision	M	4.562500	0.006410	-0.576469
3	2641	ps2	2002	sports	Electronic Arts	E	4.181818	0.326923	0.339633
4	811	ps3	2013	action	Activision	M	2.259259	0.032579	-1.814317

In [65]: print(train_df.CATEGORY.unique().sort() == test_df.CATEGORY.unique().sort())

Out[65]: True

In [66]: len(set(train_df.CATEGORY))

Out[66]: 12

In [67]: set(train_df.CATEGORY)

Out[67]: {'action', 'adventure', 'fighting', 'misc', 'platform', 'puzzle', 'racing', 'role-playing', 'shooter', 'simulation', 'sports', 'strategy'}

No modifications were made to PUBLISHER feature

In [70]: len(set(train_df.PUBLISHER))

Out[70]: 284

In [71]: set(train_df.PUBLISHER)

Out[71]: {'1C Company', '3Do', '505 Games', '506 Games', '5p', 'Acclaim Entertainment', 'Acquire', 'Activision', 'Activision Blizzard', 'Agatsuma Entertainment', 'AgeTec', 'Aksys Games', 'Aqu Interactive', 'Aqua Plus', 'Arc System Works', 'Ascaron Entertainment Gmbh', 'Asci', 'Ascii', 'Aspyr', 'Atari', 'Aulus', 'Availon Interactive', 'Bam! Entertainment', 'Banpresto', 'Bethesda Softworks', 'Bigben Interactive', 'BitComposer Games', 'Black Bean Games', 'Black Label Games', 'Blue Byte', 'Capcom', 'Cave', 'Cdv Software Entertainment', 'City Interactive', 'Cloud Imperium Games Corporation', 'Codemasters', 'Compile Heart', 'Crave Entertainment', 'Crimson Cow', 'D3Publisher', 'Deep Silver', 'Destination Software, Inc', 'Destiny', 'Devolver Digital', 'Disney Interactive Studios', 'Dreamcatcher Interactive', 'Dtp Entertainment', 'Dusenberry Martin Racing', 'Ea Games', 'Eidos Interactive', 'Electronic Arts',

In [85]: test_df[test_df.RATING == "A0"]

Out[85]:

ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS	
623	1543	x	2008	action	Take-Two Interactive	AO	1.603448	0.073109

In [86]: train_df = train_df[(train_df.RATING != "RP") & (train_df.RATING != "K-A")]

In [88]: set(train_df.RATING.sort_values())

Out[88]: {'E', 'E10+', 'M', 'T'}

In [89]: train_df.head()

Out[89]:

	ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS	SalesInMillions
0	2860	ds	2008	role-playing	Nintendo	E	2.833333	0.303700	0.623434
1	731	wii	2012	simulation	Konami Digital Entertainment	E10+	13.200000	1.640000	-1.257900
2	495	pc	2019	shooter	Activision	M	4.562900	0.006410	-0.576469
3	2641	ps2	2002	sports	Electronic Arts	E	4.181818	0.326923	0.339633
4	811	ps3	2013	action	Activision	M	2.292942	0.032579	-1.814317

In [90]: combine.skew()

Out[90]: ID -0.625973
YEAR 0.666762
CRITICS_POINTS 2.299211
USER_POINTS 1.607630
dtype: float64

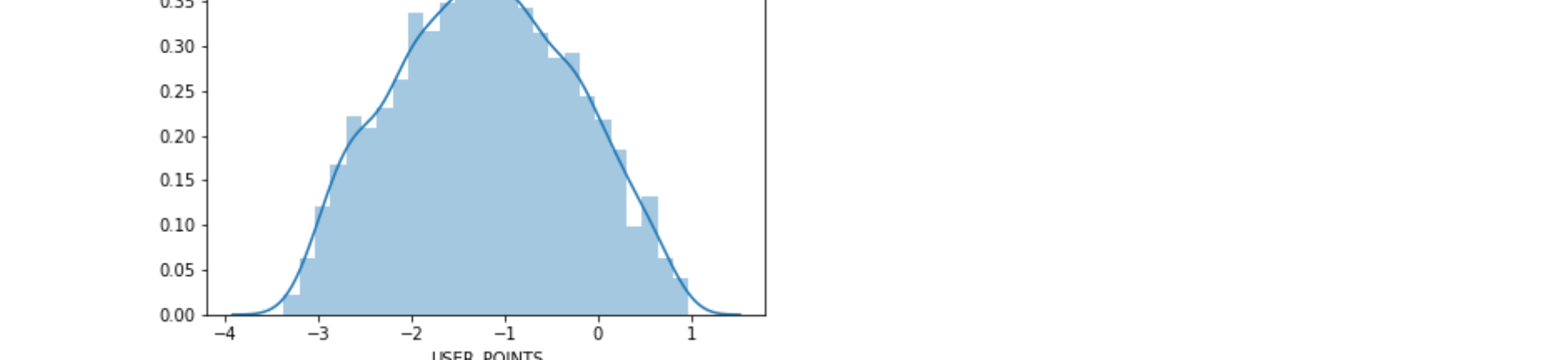
Reduced skewness of CRITICS POINTS by applying boxcox transformation

In [91]: modify_a_col(combine.CRITICS_POINTS, -0.3)

train_df["CRITICS_POINTS"] = boxcox(train_df["CRITICS_POINTS"], -0.3)

test_df["CRITICS_POINTS"] = boxcox(test_df["CRITICS_POINTS"], -0.3)

0.030325675809584566



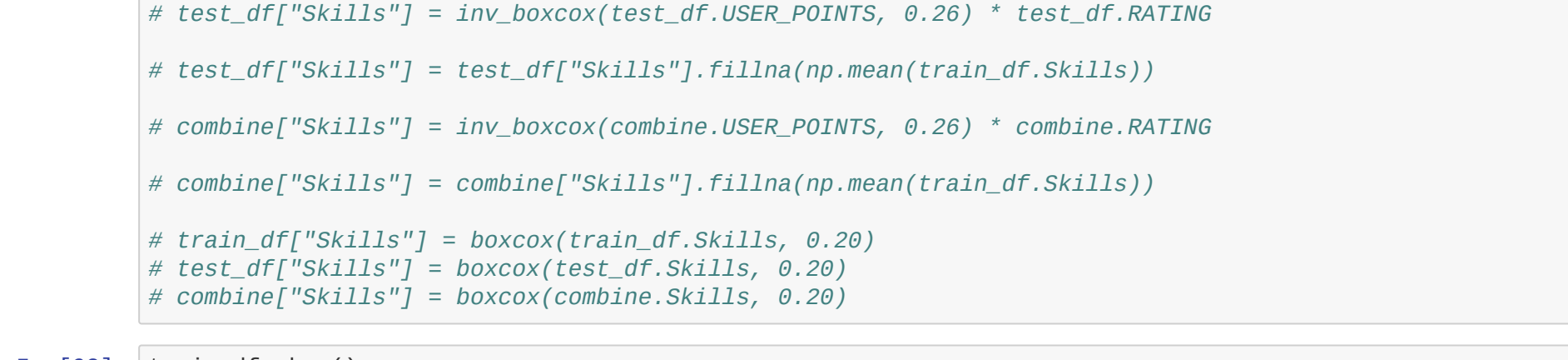
Reduced skewness of USER POINTS by applying boxcox transformation

In [92]: modify_a_col(combine.USER_POINTS, 0.26)

train_df["USER_POINTS"] = boxcox(train_df["USER_POINTS"], 0.26)

test_df["USER_POINTS"] = boxcox(test_df["USER_POINTS"], 0.26)

0.04270650283997785



In [93]: train_df.RATING.unique()

Out[93]: array(['E', 'E10+', 'M', 'T'], dtype=object)

In [94]: rating_dict = {

"E": 1,
"E10+": 5,
"M": 10,
"T": 15

}
train_df["RATING"] = train_df["RATING"].map(rating_dict)
test_df["RATING"] = test_df["RATING"].map(rating_dict)
combine["RATING"] = combine["RATING"].map(rating_dict)

I tried Feature Engineering but that decreased model accuracy

In [97]: # train_df["Skills"] = inv_boxcox(train_df.USER_POINTS, 0.26) * train_df.RATING

test_df["Skills"] = inv_boxcox(test_df.USER_POINTS, 0.26) * test_df.RATING

test_df["Skills"] = test_df["Skills"].fillna(np.mean(train_df.Skills))

combine["Skills"] = inv_boxcox(combine.USER_POINTS, 0.26) * combine.RATING

combine["Skills"] = combine["Skills"].fillna(np.mean(train_df.Skills))

train_df["Skills"] = boxcox(train_df.Skills, 0.20)

test_df["Skills"] = boxcox(test_df.Skills, 0.20)

combine["Skills"] = boxcox(combine.Skills, 0.20)

In [98]: train_df.skew()

Out[98]: ID -0.018394
YEAR 0.121266
CRITICS_POINTS 0.618155
USER_POINTS 0.818782
SalesInMillions -0.001442
dtype: float64

In [99]: # modify_a_col(train_df.Skills, 0.20)

In [100]: print(test_df.CONSOLE.unique())

['ps2' 'psp' 'x' '3ds' 'ds' 'pc' 'x360' 'xone' 'wii' 'gc' 'psv' 'gba'

'ps3' 'wiiu' 'ps4' 'ps' 'dc']

In [101]: len(train_df.CONSOLE.unique())

Out[101]: 17

In [102]: print(train_df.CONSOLE.unique())

['ds' 'wii' 'pc' 'ps2' 'ps3' 'psp' 'x' 'x360' 'psv' 'gba' 'gc' 'ps' 'wiiu'
'xone' 'ps4' '3ds' 'dc']

In [65]: console_dict = {

"x": "x-type",
"xone": "x-type",
"x360": "x-type",
"psp": "p-type",
"ps2": "p-type",
"ps3": "p-type",
"ps4": "p-type",
"ps": "p-type",
"psv": "p-type",
"pc": "pc",
"wii": "w-type",
"wiiu": "w-type",
"ds": "d-type",
"3ds": "d-type",
"dc": "d-type",
"gba": "g-type",
"gc": "g-type",
}

print(len(console_dict.keys()))

print(set(console_dict.keys()) == set(train_df.CONSOLE.unique()))

train_df["CONSOLE"] = train_df.CONSOLE.map(console_dict)

test_df["CONSOLE"] = test_df.CONSOLE.map(console_dict)

combine["CONSOLE"] = combine.CONSOLE.map(console_dict)

17
True

In [66]: # train_df["How_much_Old"] = train_df["YEAR"].apply(lambda x : 2020 - x)

test_df["How_much_Old"] = test_df["YEAR"].apply(lambda x : 2020 - x)

combine["How_much_Old"] = combine["YEAR"].apply(lambda x : 2020 - x)

train_df = train_df.drop("YEAR", axis = 1)

test_df = test_df.drop("YEAR", axis = 1)

combine = combine.drop("YEAR", axis = 1)

In [103]: def move_target_to_last(dataset, col_name):

x = dataset[col_name]

dataset = dataset.drop(col_name, axis = 1)

dataset[col_name] = x

return dataset

In [104]: train_df = move_target_to_last(train_df, "SalesInMillions")

In [105]: train_df.head()

Out[105]:

	ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS	SalesInMillions
0	2860	ds	2008	role-playing	Nintendo	E	0.894459	-1.024760	0.623434
1	731	wii	2012	simulation	Konami Digital Entertainment	E10+	1.796218	0.527919	-1.257900
2	495	pc	2019	shooter	Activision	M	1.219271	-2.811454	-0.576469
3	2641	ps2	2002	sports	Electronic Arts	E	1.163286	-0.970196	0.339633
4	811	ps3	2013	action	Activision	M	0.723042	-2.267121	-1.814317

In [106]: test_df.head()

Out[106]:

	ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS
0	4310	ps2	2008	action	Tecmo Koei	T	1.122234	-0.664144
1	4011	psp	2007	strategy	Atari	E10+	1.338705	-1.907006
2	2185	ps2	2004	shooter	Electronic Arts	T	0.944129	-1.979223
3	1644	x	2006	action	Electronic Arts	E	0.914674	-0.126732
4	188	3ds	2011	racing	Ubisoft	E10+	0.146945	-1.371757

In [107]: train_df.corr()

Out[107]:

	ID	YEAR	CRITICS_POINTS	USER_POINTS	SalesInMillions
	ID	1.000000	-0.052969	0.007047	0.061334
	YEAR	-0.052969	1.000000	-0.181344	-0.415385
	CRITICS_POINTS	0.007047	-0.181344	1.000000	0.521520
	USER_POINTS	0.061334	-0.415385	0.521520	1.000000
	SalesInMillions	-0.032628	0.004861	-0.119885	-0.205847

In [108]: new_train = train_df.copy()

new_test = test_df.copy()

new_train = new_train.drop("CRITICS_POINTS", axis = 1)

new_test = new_test.drop("CRITICS_POINTS", axis = 1)

In [109]: train_df.head()

Out[109]:

	ID	CONSOLE	YEAR	CATEGORY	PUBLISHER	RATING	CRITICS_POINTS	USER_POINTS	SalesInMillions
0	2860	ds	2008	role-playing	Nintendo	E	0.894459	-1.024760	0.623434
1	731	wii	2012	simulation	Konami Digital Entertainment	E10+	1.796218	0.527919	-1.257900
2	495	pc	2019	shooter	Activision	M	1.219271	-2.811454	-0.576469
3	2641	ps2	2002	sports	Electronic Arts	E	1.163286	-0.970196	0.339633
4	811	ps3	2013	action	Activision	M	0.723042	-2.267121	-1.814317

In [110]: class Jitem(object):

def get_final_error(self, error, weight):

return np.sqrt(boxcox(error, 0.27) / (weight + 1e-30))

def is_max_optimal(self):

return False

def evaluate(self, approxes, target, weight):

assert len(approxes) == 1

assert len(target) == len(approxes[0])

approx = approxes[0]

error_sum = 0.0

weight_sum = 0.0

for i in range(len(approx)):

w = 1.0 if weight is None else weight[i]

weight_sum += w

error_sum += inv_boxcox(w, 0.27) * ((inv_boxcox(approx[i], 0.27) - inv_boxcox(target[i], 0.27))**2)

return error_sum, weight_sum

Since we have transformed output variable we need to change eval metric so that catboost model performance increase

Model score increased from 1.66 to 1.62 without any tuning

In [111]: # class RescoObjective(object):

def calc_der2_range(self, approxes, targets, weights):

assert len(approxes) == len(targets)

if weights is not None:

assert len(weights) == len(approxes)

targets = inv_boxcox(targets, 0.27)

approxes = inv_boxcox(approxes, 0.27)

result = []

for index in range(len(targets)):

der1 = targets[index] - approxes[index]

der2 = -1

if weights is not None:

der1 = weights[index]

der2 = weights[index]

result.append((der1, der2))

return result

Getting Validation Test

In [112]: X_train, X_test, y_train, y_test = train_test_split(train_df.drop(["SalesInMillions"], axis = 1), tra

in_df["SalesInMillions"], test_size = 0.2, random_state=8)

In [113]: cat_columns=train_df.select_dtypes(include=['object', 'category']).columns.tolist()

cat_columns=train_df

Out[113]: ['CONSOLE', 'CATEGORY', 'PUBLISHER', 'RATING']

Model Training

In [114]: model = CatBoostRegressor(use_best_model=True, learning_rate=0.01, n_estimators=10000, objective="RMSE"

, cat_features=cat_columns, eval_metric=ilten())

[0.00]	File(X=0.0, n=75, train_eval_set=(X_test, y_test), plot=True)				
	learn: 0.1539918	test: 0.242258 best: 0.242258 (9)	total: 57ms	remaining: 9m	
1	learn: 0.1538974	test: 0.242804 best: 0.242804 (1)	total: 111ms	remaining: 9m	
17:	learn: 0.1539670	test: 0.241748 best: 0.2417748 (2)	total: 116ms	remaining: 9m	
28:	learn: 0.1536888	test: 0.2415686 best: 0.2415686 (3)	total: 223ms	remaining: 9m	
41:	learn: 0.1534380	test: 0.2413266 best: 0.2413269 (4)	total: 290ms	remaining: 9m	
38:	learn: 0.1533965	test: 0.2412466 best: 0.2412469 (5)	total: 343ms	remaining: 9m	
61:	learn: 0.1531989	test: 0.2409266 best: 0.2409266 (5)	total: 447ms	remaining: 10	
7:	learn: 0.1538973	test: 0.2407452 best: 0.2407452 (7)	total: 560ms	remaining: 11	
m #395	learn: 0.1528466	test: 0.2404252 best: 0.2404252 (8)	total: 639ms	remaining: 11	
m #195	learn: 0.15257498	test: 0.2401880 best: 0.2401880 (9)	total: 680ms	remaining: 11	
m #159	learn: 0.1525678	test: 0.2399246 best: 0.2399246 (10)	total: 722ms	remaining: 10	
11:	learn: 0.1525341	test: 0.2397129 best: 0.2397129 (11)	total: 767ms	remaining: 10	
m #85	learn: 0.1525313	test: 0.2394798 best: 0.2394798 (12)	total: 817ms	remaining: 10	
m #275	learn: 0.1519417	test: 0.2392441 best: 0.2392441 (13)	total: 861ms	remaining: 10	
m #435	learn: 0.1516824	test: 0.2389906 best: 0.2389906 (14)	total: 907ms	remaining: 10	
m #45	learn: 0.1515419	test: 0.2387561 best: 0.2387561 (15)	total: 950ms	remaining: 9m	
16:	learn: 0.1512377	test: 0.2385651 best: 0.2385656 (16)	total: 1.02s	remaining: 9m	
57:	learn: 0.1518044	test: 0.2383431 best: 0.2383431 (17)	total: 1.09s	remaining: 10	
m #75	learn: 0.1508691	test: 0.2380721 best: 0.2380721 (18)	total: 1.16s	remaining: 10	
18:	learn: 0.1506497	test: 0.2378249 best: 0.2378249 (19)	total: 1.24s	remaining: 10	
m #65	learn: 0.1504106	test: 0.2376369 best: 0.2376369 (20)	total: 1.3s	remaining: 10	
m #175	learn: 0.1501438	test: 0.2374238 best: 0.2374238 (21)	total: 1.36s	remaining: 10	
21:	learn: 0.1498933	test: 0.2371842 best: 0.2371842 (22)	total: 1.42s	remaining: 10	
m #165	learn: 0.1498370	test: 0.2369342 best: 0.2369342 (23)	total: 1.47s	remaining: 10	
m #465	learn: 0.1495853	test: 0.2366159 best: 0.2366159 (24)	total: 1.53s	remaining: 10	
m #113	learn: 0.1493962	test: 0.2363548 best: 0.2363548 (25)	total: 1.58s	remaining: 10	
m #35	learn: 0.1493360	test: 0.2361754 best: 0.2361754 (26)	total: 1.66s	remaining: 10	
m #135	learn: 0.1489734	test: 0.2358761 best: 0.2358761 (27)	total: 1.74s	remaining: 10	
m #2	learn: 0.1486937	test: 0.235492 best: 0.2354942 (28)	total: 1.83s	remaining: 10	
m #295	learn: 0.1483129	test: 0.2353687 best: 0.2353687 (29)	total: 1.9s	remaining: 10	
m #305	learn: 0.1482975	test: 0.2351279 best: 0.2351279 (30)	total: 1.95s	remaining: 10	
31:	learn: 0.1481631	test: 0.2349192 best: 0.2349192 (31)	total: 2.02s	remaining: 10	
m #275	learn: 0.1479628	test: 0.2346602 best: 0.2346602 (32)	total: 2.07s	remaining: 10	
m #245	learn: 0.1478463	test: 0.2344384 best: 0.2344384 (33)	total: 2.13s	remaining: 10	
m #245	learn: 0.1475439	test: 0.2342795 best: 0.2342795 (34)	total: 2.19s	remaining: 10	
36:	learn: 0.147138	test: 0.234094 best: 0.234094 (35)	total: 2.25s	remaining: 10	
m #35	learn: 0.1467308	test: 0.2339538 best: 0.2339538 (36)	total: 2.32s	remaining: 10	
m #275	learn: 0.1462947	test: 0.2337444 best: 0.2337444 (37)	total: 2.38s	remaining: 10	
m #225	learn: 0.1459285	test: 0.2334444 best: 0.2334444 (38)	total: 2.43s	remaining: 10	
m #135	learn: 0.1457825	test: 0.2332994 best: 0.2332994 (39)	total: 2.48s	remaining: 10	
m #185	learn: 0.1455981	test: 0.2330994 best: 0.2330994 (40)	total: 2.52s	remaining: 10	
m #35	learn: 0.1451601	test: 0.2329538 best: 0.2329538 (41)	total: 2.57s	remaining: 10	
m #85	learn: 0.1450339	test: 0.2327581 best: 0.2327581 (42)	total: 2.61s	remaining: 10	
42:	learn: 0.1446825	test: 0.2324776 best: 0.2324776 (43)	total: 2.67s	remaining: 10	
m #45	learn: 0.1444746	test: 0.2323082 best: 0.2323082 (44)	total: 2.72s	remaining: 10	
m #15	learn: 0.1443997	test: 0.2321726 best: 0.2321726 (45)	total: 2.77s	remaining: 9m	
45:	learn: 0.1438174	test: 0.2319902 best: 0.2319902 (46)	total: 2.82s	remaining: 9m	
57:	learn: 0.1434721	test: 0.2318777 best: 0.2318777 (47)	total: 2.87s	remaining: 9m	
48:	learn: 0.1433435	test: 0.2317361 best: 0.2317361 (48)	total: 2.94s	remaining: 9m	
56:	learn: 0.1432258	test: 0.2315389 best: 0.2315389 (49)	total: 2.99s	remaining: 9m	
50:	learn: 0.1428979	test: 0.2313487 best: 0.2313487 (50)	total: 3.03s	remaining: 9m	
51:	learn: 0.1422742	test: 0.2311231 best: 0.2311231 (51)	total: 3.08s	remaining: 9m	
52:	learn: 0.1419263	test: 0.2308298 best: 0.2308298 (52)	total: 3.15s	remaining: 9m	
53:	learn: 0.1418514	test: 0.2307339 best: 0.2307339 (53)	total: 3.19s	remaining: 9m	
47:	learn: 0.1413294	test: 0.2305972 best: 0.2305972 (54)	total: 3.23s	remaining: 9m	
55:	learn: 0.1412052	test: 0.2304183 best: 0.2304183 (55)	total: 3.28s	remaining: 9m	
52:	learn: 0.1411132	test: 0.2302789 best: 0.2302789 (56)	total: 3.33s	remaining: 9m	
51:	learn: 0.1406843	test: 0.2299808 best: 0.2299808 (57)	total: 3.38s	remaining: 9m	
50:	learn: 0.1405859	test: 0.2297942 best: 0.2297942 (58)	total: 3.44s	remaining: 9m	
49:	learn: 0.1404378	test: 0.2296378 best: 0.2296378 (59)	total: 3.52s	remaining: 9m	
48:	learn: 0.1403128	test: 0.2295527 best: 0.2295527 (60)	total: 3.58s	remaining: 9m	
62:	learn: 0.1398208	test: 0.2293669 best: 0.2293669 (61)	total: 3.63s	remaining: 9m	
63:	learn: 0.1396288	test: 0.2292025 best: 0.2292025 (62)	total: 3.68s	remaining: 9m	
38:	learn: 0.1393466	test: 0.2289412 best: 0.2289412 (63)	total: 3.73s	remaining: 9m	
38:	learn: 0.1393562	test: 0.2287187 best: 0.2287187 (64)	total: 3.79s	remaining: 9m	
65:	learn: 0.1396126	test: 0.2285799 best: 0.2285799 (65)	total: 3.86s	remaining: 9m	
13:	learn: 0.1386678	test: 0.2285043 best: 0.2285043 (66)	total: 3.92s	remaining: 9m	
67:	learn: 0.1384946	test: 0.2283463 best: 0.2283463 (67)	total: 3.97s	remaining: 9m	
68:	learn: 0.1383943	test: 0.2281964 best: 0.2281964 (68)	total: 4.03s	remaining: 9m	
69:	learn: 0.1383259	test: 0.2281408 best: 0.2281408 (69)	total: 4.1s	remaining: 9m	
70:	learn: 0.1381759	test: 0.2278931 best: 0.2278931 (70)	total: 4.15s	remaining: 9m	
48:	learn: 0.1378975	test: 0.2275896 best: 0.2275896 (71)	total: 4.19s	remaining: 9m	
72:	learn: 0.1377522	test: 0.2275233 best: 0.2275233 (72)	total: 4.23s	remaining: 9m	
73:	learn: 0.1376426	test: 0.2274376 best: 0.2274376 (73)	total: 4.29s	remaining: 9m	
35:	learn: 0.1375455	test: 0.2271719 best: 0.2271719 (74)	total: 4.34s	remaining: 9m	
75:	learn: 0.1374624	test: 0.2270436 best: 0.2270436 (75)	total: 4.39s	remaining: 9m	
76:	learn: 0.1373086	test: 0.2269134 best: 0.2269134 (76)	total: 4.47s	remaining: 9m	
77:	learn: 0.1370978	test: 0.2267655 best: 0.2267655 (77)	total: 4.54s	remaining: 9m	
78:	learn: 0.1370675	test: 0.2265865 best: 0.2265865 (78)	total: 4.61s	remaining: 9m	
80:	learn: 0.1368955	test: 0.2264276 best: 0.2264276 (79)	total: 4.65s	remaining: 9m	
36:	learn: 0.1366846	test: 0.2262532 best: 0.2262532 (80)	total: 4.7s	remaining: 9m	
36:	learn: 0.1366389	test: 0.2261995 best: 0.2261995 (81)	total: 4.75s	remaining: 9m	
82:	learn: 0.1365762	test: 0.2260654 best: 0.2260654 (82)	total: 4.8s	remaining: 9m	
83:	learn: 0.1364895	test: 0.2259451 best: 0.2259451 (83)	total: 4.84s	remaining: 9m	
84:	learn: 0.1363951	test: 0.2258849 best: 0.2258849 (84)	total: 4.88s	remaining: 9m	
85:	learn: 0.1363258	test: 0.2257632 best: 0.2257632 (85)	total: 4.93s	remaining: 9m	
86:	learn: 0.1360677	test: 0.2255853 best: 0.2255853 (86)	total: 4.98s	remaining: 9m	
87:	learn: 0.1359837	test: 0.2254874 best: 0.2254874 (87)	total: 5.04s	remaining: 9m	
27:	learn: 0.1359401	test: 0.2254382 best: 0.2254382 (88)	total: 5.08s	remaining: 9m	
59:	learn: 0.1358481	test: 0.2252956 best: 0.2252956 (89)	total: 5.13s	remaining: 9m	
60:	learn: 0.1358444	test: 0.2252125 best: 0.2252125 (90)	total: 5.19s	remaining: 9m	
25:	learn: 0.1356471	test: 0.2251718 best: 0.2251718 (91)	total: 5.24s	remaining: 9m	
28:	learn: 0.1355376	test: 0.2250595 best: 0.2250595 (92)	total: 5.28s	remaining: 9m	
92:	learn: 0.1354915	test: 0.2249175 best: 0.2249175 (93)	total: 5.33s	remaining: 9m	
94:	learn: 0.1350665	test: 0.2248696 best: 0.2248696 (94)	total: 5.37s	remaining: 9m	
95:	learn: 0.1349119	test: 0.2247413 best: 0.2247413 (95)	total: 5.42s	remaining: 9m	
96:	learn: 0.1348454	test: 0.2246518 best: 0.2246518 (96)	total: 5.5s	remaining: 9m	
97:	learn: 0.1347807	test: 0.2245492 best: 0.2245492 (97)	total: 5.58s	remaining: 9m	
23:	learn: 0.1347359	test: 0.2244967 best: 0.2244967 (98)	total: 5.62s	remaining: 9m	
99:	learn: 0.1346463	test: 0.2243394 best: 0.2243394 (99)	total: 5.67s	remaining: 9m	
100:	learn: 0.1344336	test: 0.2242366 best: 0.2242366 (100)	total: 5.72s	remaining: 9m	
20:	learn: 0.1342662	test: 0.2242148 best: 0.2242148 (101)	total: 5.77s	remaining: 9m	
102:	learn: 0.1340684	test: 0.2240659 best: 0.2240659 (102)	total: 5.84s	remaining: 9m	
21:	learn: 0.1337958	test: 0.2238695 best: 0.2238695 (103)	total: 5.9s	remaining: 9m	
20:	learn: 0.1336586	test: 0.2237599 best: 0.2237599 (104)	total: 5.95s	remaining: 9m	
105:	learn: 0.1335814	test: 0.2236795 best: 0.2236795 (105)	total: 5.99s	remaining: 9m	
106:	learn: 0.1334567	test: 0.2235689 best: 0.2235689 (106)	total: 6.05s	remaining: 9m	
107:	learn: 0.1331341	test: 0.2234227 best: 0.2234227 (107)	total: 6.09s	remaining: 9m	
178:	learn: 0.1328098	test: 0.2232495 best: 0.2232427 (107)	total: 6.14s	remaining: 9m	
109:	learn: 0.1327363	test: 0.2232865 best: 0.2232865 (109)	total: 6.19s	remaining: 9m	
110:	learn: 0.1325935	test: 0.2232325 best: 0.2232325 (110)	total: 6.23s	remaining: 9m	
111:	learn: 0.1325122	test: 0.2231745 best: 0.2231745 (111)	total: 6.29s	remaining: 9m	
112:	learn: 0.1324890	test: 0.2231526 best: 0.2231526 (112)	total: 6.33s	remaining: 9m	
113:	learn: 0.1323760	test: 0.2231177 best: 0.2231177 (113)	total: 6.37s	remaining: 9m	
114:	learn: 0.1323230	test: 0.2230369 best: 0.2230369 (114)	total: 6.42s	remaining: 9m	
115:	learn: 0.1320234	test: 0.2229133 best: 0.2229133 (115)	total: 6.49s	remaining: 9m	
116:	learn: 0.1318779	test: 0.2229066 best: 0.2229066 (116)	total: 6.56s	remaining: 9m	
117:	learn: 0.1318285	test: 0.2228234 best: 0.2228234 (117)	total: 6.61s	remaining: 9m	
118:	learn: 0.1317788	test: 0.2227845 best: 0.2227845 (118)	total: 6.66s	remaining: 9m	
119:	learn: 0.1316519	test: 0.2226966 best: 0.2226966 (119)	total: 6.7s	remaining: 9m	
120:	learn: 0.1316088	test: 0.2225546 best: 0.2225546 (120)	total: 6.76s	remaining: 9m	
121:	learn: 0.1314932	test: 0.2225274 best: 0.2225274 (121)	total: 6.83s	remaining: 9m	
122:	learn: 0.1313306	test: 0.2224507 best: 0.2224507 (122)	total: 6.88s	remaining: 9m	
123:	learn: 0.1311185	test: 0.2224229 best: 0.2224229 (123)	total: 6.93s	remaining: 9m	
124:	learn: 0.1310522	test: 0.2222551 best: 0.2222551 (124)	total: 6.98s	remaining: 9m	
113:	learn: 0.1310080	test: 0.2222182 best: 0.2222182 (125)	total: 7.03s	remaining: 9m	
126:	learn: 0.13089237	test: 0.2221346 best: 0.2221346 (126)	total: 7.08s	remaining: 9m	
127:	learn: 0.1308675	test: 0.2220645 best: 0.2220645 (127)	total: 7.13s	remaining: 9m	
98:	learn: 0.1308268	test: 0.2219672 best: 0.2219672 (128)	total: 7.18s	remaining: 9m	
129:	learn: 0.1307871	test: 0.2219379 best: 0.2219379 (129)	total: 7.23s	remaining: 9m	
96:	learn: 0.1306762	test: 0.2219238 best: 0.2219238 (130)	total: 7.28s	remaining: 9m	
85:	learn: 0.1306742	test: 0.2218486 best: 0.2218486 (131)	total: 7.36s	remaining: 9m	
131:	learn: 0.1305468	test: 0.2218623 best: 0.2218486 (131)	total: 7.41s	remaining: 9m	
132:	learn: 0.1304598	test: 0.2218076 best: 0.2218076 (132)	total: 7.47s	remaining: 9m	
134:	learn: 0.1304206	test: 0.2217418 best: 0.2217418 (134)	total: 7.54s	remaining: 9m	
108:	learn: 0.1303747	test: 0.2216792 best: 0.2216792 (135)	total: 7.59s	remaining: 9m	
136:	learn: 0.1303150	test: 0.2216725 best: 0.2216725 (136)	total: 7.67s	remaining: 9m	
137:	learn: 0.1301521	test: 0.2216511 best: 0.2216511 (137)	total: 7.72s	remaining: 9m	
111:	learn: 0.1301083	test: 0.2215905 best: 0.2215905 (138)	total: 7.76s	remaining: 9m</	

426:	learn:	0.12254083	test:	0.2181958	best:	0.2181616	(422)	total:	22.8s	remaining:	8m
427:	learn:	0.1225396	test:	0.2181934	best:	0.2181616	(422)	total:	22.8s	remaining:	8m
428:	learn:	0.1225245	test:	0.2181992	best:	0.2181616	(422)	total:	22.8s	remaining:	8m
429:	learn:	0.1225977	test:	0.2182891	best:	0.2181616	(422)	total:	22.9s	remaining:	8m
430:	learn:	0.1224273	test:	0.2182962	best:	0.2181616	(422)	total:	22.9s	remaining:	8m
431:	learn:	0.1224367	test:	0.2182858	best:	0.2181616	(422)	total:	23s	remaining:	8m
432:	learn:	0.1224279	test:	0.2182171	best:	0.2181616	(422)	total:	23.1s	remaining:	8m
433:	learn:	0.1224466	test:	0.2182166	best:	0.2181616	(422)	total:	23.1s	remaining:	8m
434:	learn:	0.1224646	test:	0.2182149	best:	0.2181616	(422)	total:	23.2s	remaining:	8m
435:	learn:	0.1223933	test:	0.2182139	best:	0.2181616	(422)	total:	23.2s	remaining:	8m
436:	learn:	0.1223581	test:	0.2181672	best:	0.2181616	(422)	total:	23.2s	remaining:	8m
437:	learn:	0.1223367	test:	0.2181902	best:	0.2181616	(422)	total:	23.3s	remaining:	8m
438:	learn:	0.1223318	test:	0.2181945	best:	0.2181616	(422)	total:	23.3s	remaining:	8m
439:	learn:	0.1223848	test:	0.2181598	best:	0.2181598	(439)	total:	23.4s	remaining:	8m
440:	learn:	0.1223933	test:	0.2181894	best:	0.2181598	(439)	total:	23.4s	remaining:	8m
441:	learn:	0.1222765	test:	0.2181926	best:	0.2181598	(439)	total:	23.5s	remaining:	8m
442:	learn:	0.1222735	test:	0.2181876	best:	0.2181598	(439)	total:	23.5s	remaining:	8m
443:	learn:	0.1222246	test:	0.2180828	best:	0.2180828	(443)	total:	23.6s	remaining:	8m
444:	learn:	0.12222108	test:	0.2180796	best:	0.2180796	(444)	total:	23.7s	remaining:	8m
445:	learn:	0.1222947	test:	0.2180795	best:	0.2180795	(445)	total:	23.7s	remaining:	8m
446:	learn:	0.1222911	test:	0.2180767	best:	0.2180767	(446)	total:	23.8s	remaining:	8m
447:	learn:	0.1222808	test:	0.2180762	best:	0.2180762	(447)	total:	23.8s	remaining:	8m
448:	learn:	0.1221943	test:	0.2180795	best:	0.2180762	(447)	total:	23.9s	remaining:	8m
449:	learn:	0.1221815	test:	0.2180764	best:	0.2180762	(447)	total:	23.9s	remaining:	8m
450:	learn:	0.1221807	test:	0.2180764	best:	0.2180762	(447)	total:	24s	remaining:	8m
451:	learn:	0.1221889	test:	0.2180764	best:	0.2180762	(447)	total:	24s	remaining:	8m
452:	learn:	0.1221893	test:	0.2180755	best:	0.2180763	(452)	total:	24s	remaining:	8m
453:	learn:	0.1221795	test:	0.2180771	best:	0.2180763	(452)	total:	24.1s	remaining:	8m
454:	learn:	0.1221696	test:	0.2180828	best:	0.2180763	(452)	total:	24.2s	remaining:	8m
455:	learn:	0.1221696	test:	0.2180863	best:	0.2180763	(452)	total:	24.2s	remaining:	8m
456:	learn:	0.1221896	test:	0.2180553	best:	0.2180553	(456)	total:	24.3s	remaining:	8m
457:	learn:	0.1221937	test:	0.2179737	best:	0.2179737	(457)	total:	24.3s	remaining:	8m
458:	learn:	0.1220834	test:	0.2180195	best:	0.2179737	(457)	total:	24.4s	remaining:	8m
459:	learn:	0.1220322	test:	0.2180138	best:	0.2179737	(457)	total:	24.4s	remaining:	8m
460:	learn:	0.1220828	test:	0.2180879	best:	0.2179737	(457)	total:	24.5s	remaining:	8m
461:	learn:	0.1220189	test:	0.2180892	best:	0.2179737	(457)	total:	24.5s	remaining:	8m
462:	learn:	0.1220924	test:	0.2179569	best:	0.2179569	(462)	total:	24.6s	remaining:	8m
463:	learn:	0.12219801	test:	0.2179543	best:	0.2179543	(463)	total:	24.6s	remaining:	8m
464:	learn:	0.1221711	test:	0.2179496	best:	0.2179496	(464)	total:	24.7s	remaining:	8m
465:	learn:	0.12219645	test:	0.2179522	best:	0.2179496	(464)	total:	24.7s	remaining:	8m
466:	learn:	0.12219623	test:	0.2179524	best:	0.2179496	(464)	total:	24.8s	remaining:	8m
467:	learn:	0.1221938	test:	0.2179229	best:	0.2179229	(467)	total:	24.8s	remaining:	8m
468:	learn:	0.12219335	test:	0.2179216	best:	0.2179216	(468)	total:	24.9s	remaining:	8m
469:	learn:	0.12219299	test:	0.2179194	best:	0.2179194	(469)	total:	24.9s	remaining:	8m
470:	learn:	0.1221937	test:	0.2179281	best:	0.2179194	(469)	total:	25s	remaining:	8m
471:	learn:	0.12219072	test:	0.2179119	best:	0.2179119	(471)	total:	25s	remaining:	8m
472:	learn:	0.12219080	test:	0.2179195	best:	0.2179195	(472)	total:	25s	remaining:	8m
473:	learn:	0.1221748	test:	0.2178852	best:	0.2178653	(473)	total:	25.1s	remaining:	8m
474:	learn:	0.1221827	test:	0.2178551	best:	0.2178558	(474)	total:	25.1s	remaining:	8m
475:	learn:	0.12218173	test:	0.2178380	best:	0.2178380	(476)	total:	25.3s	remaining:	8m
476:	learn:	0.1221796	test:	0.2178271	best:	0.2178271	(477)	total:	25.3s	remaining:	8m
477:	learn:	0.12217926	test:	0.2178263	best:	0.2178263	(478)	total:	25.4s	remaining:	8m
478:	learn:	0.1221791	test:	0.2178466	best:	0.2178263	(478)	total:	25.4s	remaining:	8m
479:	learn:	0.1221772	test:	0.2178466	best:	0.2178263	(478)	total:	25.4s	remaining:	8m
480:	learn:	0.1221792	test:	0.2178466	best:	0.2178263	(478)	total:	25.4s	remaining:	8m
481:	learn:	0.1221774	test:	0.2178456	best:	0.2178263	(478)	total:	25.5s	remaining:	8m
482:	learn:	0.12217679	test:	0.2178577	best:	0.2178263	(478)	total:	25.5s	remaining:	8m
483:	learn:	0.12217680	test:	0.2178577	best:	0.2178263	(478)	total:	25.6s	remaining:	8m
484:	learn:	0.1221765	test:	0.2178584	best:	0.2178263	(478)	total:	25.6s	remaining:	8m
485:	learn:	0.12217559	test:	0.2178576	best:	0.2178263	(478)	total:	25.7s	remaining:	8m
486:	learn:	0.12217378	test:	0.2178686	best:	0.2178263	(478)	total:	25.7s	remaining:	8m
487:	learn:	0.1221781	test:	0.2178668	best:	0.2178263	(478)	total:	25.8s	remaining:	8m
488:	learn:	0.12217676	test:	0.2178667	best:	0.2178263	(478)	total:	25.8s	remaining:	8m
489:	learn:	0.1221948	test:	0.2178747	best:	0.2178263	(478)	total:	25.9s	remaining:	8m
490:	learn:	0.1221936	test:	0.2178739	best:	0.2178263	(478)	total:	25.9s	remaining:	8m
491:	learn:	0.1221931	test:	0.2178763	best:	0.2178263	(478)	total:	26s	remaining:	8m
492:	learn:	0.1221745	test:	0.2178675	best:	0.2178263	(478)	total:	26s	remaining:	8m
493:	learn:	0.1221699	test:	0.2178663	best:	0.2178263	(478)	total:	26s	remaining:	8m
494:	learn:	0.12216514	test:	0.2178654	best:	0.2178263	(478)	total:	26.1s	remaining:	8m
495:	learn:	0.12216514	test:	0.2178676	best:	0.2178263	(478)	total:	26.2s	remaining:	8m
496:	learn:	0.12216453	test:	0.2178674	best:	0.2178263	(478)	total:	26.2s	remaining:	8m
497:	learn:	0.1221645	test:	0.2178684	best:	0.2178263	(478)	total:	26.3s	remaining:	8m
498:	learn:	0.12216359	test:	0.2178685	best:	0.2178263	(478)	total:	26.3s	remaining:	8m
499:	learn:	0.12216234	test:	0.2178695	best:	0.2178263	(478)	total:	26.3s	remaining:	8m
500:	learn:	0.12216167	test:	0.2178626	best:	0.2178263	(478)	total:	26.4s	remaining:	8m
501:	learn:	0.12216093	test:	0.2178538	best:	0.2178263	(478)	total:	26.4s	remaining:	8m
502:	learn:	0.1221603	test:	0.2178549	best:	0.2178263	(478)	total:	26.5s	remaining:	8m
503:	learn:	0.12215994	test:	0.2178557	best:	0.2178263	(478)	total:	26.5s	remaining:	8m
504:	learn:	0.1221583	test:	0.2178442	best:	0.2178263	(478)	total:	26.6s	remaining:	8m
505:	learn:	0.12215769	test:	0.2178441	best:	0.2178263	(478)	total:	26.6s	remaining:	8m
506:	learn:	0.12215672	test:	0.2178224	best:	0.2178224	(506)	total:	26.7s	remaining:	8m
507:	learn:	0.12215586	test:	0.2178162	best:	0.2178162	(507)	total:	26.8s	remaining:	8m
508:	learn:	0.12215511	test:	0.2178107	best:	0.2178107	(508)	total:	26.8s	remaining:	8m
509:	learn:	0.12215494	test:	0.2178093	best:	0.2178093	(509)	total:	26.8s	remaining:	8m
510:	learn:	0.12215319	test:	0.2178103	best:	0.2178093	(509)	total:	26.9s	remaining:	8m
511:	learn:	0.12215218	test:	0.2178096	best:	0.2178093	(512)	total:	26.9s	remaining:	8m
512:	learn:	0.12215119	test:	0.2177998	best:	0.2177998	(513)	total:	27s	remaining:	8m
513:	learn:	0.1221495	test:	0.2177798	best:	0.2177798	(514)	total:	27.1s	remaining:	8m
514:	learn:	0.12214925	test:	0.2177782	best:	0.2177782	(515)	total:	27.1s	remaining:	8m
515:	learn:	0.1221485	test:	0.2177807	best:	0.2177782	(515)	total:	27.2s	remaining:	8m
516:	learn:	0.1221483	test:	0.2177780	best:	0.2177782	(515)	total:	27.2s	remaining:	8m
517:	learn:	0.1221464	test:	0.2177782	best:	0.2177782	(515)	total:	27.3s	remaining:	8m
518:	learn:	0.1221445	test:	0.2177805	best:	0.2177782	(515)	total:	27.3s	remaining:	8m
519:	learn:	0.12214450	test:	0.2178085	best:	0.2177782	(515)	total:	27.3s	remaining:	8m
520:	learn:	0.1221362	test:	0.2178084	best:	0.2177782	(515)	total:	27.4s	remaining:	8m
521:	learn:	0.1221318	test:	0.2178079	best:	0.2177782	(515)	total:	27.4s	remaining:	8m
522:	learn:	0.12214197	test:	0.2178171	best:	0.2177782	(515)	total:	27.5s	remaining:	8m
523:	learn:	0.12214197	test:	0.2178171	best:	0.2177782	(515)	total:	27.5s	remaining:	8m
524:	learn:	0.12214965	test:	0.2178072	best:	0.2177782	(515)	total:	27.5s	remaining:	8m
525:	learn:	0.1221398	test:	0.2178073	best:	0.2177782	(515)	total:	27.6s	remaining:	8m
526:	learn:	0.12213963	test:	0.2178079	best:	0.2177782	(515)	total:	27.6s	remaining:	8m
527:	learn:	0.1221347	test:	0.2178108	best:	0.2177782	(515)	total:	27.7s	remaining:	8m
528:	learn:	0.1221367	test:	0.2178095	best:	0.2177782	(515)	total:	27.7s	remaining:	8m
529:	learn:	0.12213586	test:	0.2178026	best:	0.2177782	(515)	total:	27.8s	remaining:	8m
530:	learn:	0.12213354	test:	0.2177419	best:	0.2177419	(530)	total:	27.8s	remaining:	8m
531:	learn:	0.1221327	test:	0.2177355	best:	0.2177355	(531)	total:	27.9s	remaining:	8m
532:	learn:	0.12213222	test:	0.2177331	best:	0.2177323	(532)	total:	27.9s	remaining:	8m
533:	learn:	0.12213172	test:	0.2177294	best:	0.2177294	(533)	total:	28s	remaining:	8m
534:	learn:	0.1221394	test:	0.2177189	best:	0.2177188	(534)	total:	28s	remaining:	8m
535:	learn:	0.12213495	test:	0.2177189	best:	0.2177188	(534)	total:	28.1s	remaining:	8m
536:	learn:	0.12212936	test:	0.2177273	best:	0.2177188	(534)	total:	28.1s	remaining:	8m
537:	learn:	0.12212834	test:	0.2177278	best:	0.2177188	(534)	total:	28.2s	remaining:	8m
538:	learn:	0.1221278	test:	0.2177270	best:	0.2177188	(534)	total:	28.2s	remaining:	8m
539:	learn:	0.12									

854:	learn:	0.1184386	test:	0.2167372	best:	0.2167343	(853)	total:	44.4s	remaining:	7m
855:	learn:	0.1184272	test:	0.2167293	best:	0.2167293	(855)	total:	44.1s	remaining:	7m
586:	learn:	0.1184234	test:	0.2167316	best:	0.2167293	(855)	total:	44.1s	remaining:	7m
585:	learn:	0.1184378	test:	0.2167341	best:	0.2167293	(855)	total:	44.1s	remaining:	7m
857:	learn:	0.1184310	test:	0.2167341	best:	0.2167293	(855)	total:	44.1s	remaining:	7m
589:	learn:	0.1184387	test:	0.2167294	best:	0.2167293	(855)	total:	44.2s	remaining:	7m
859:	learn:	0.1184973	test:	0.2167421	best:	0.2167293	(855)	total:	44.2s	remaining:	7m
590:	learn:	0.1184973	test:	0.2167421	best:	0.2167293	(855)	total:	44.2s	remaining:	7m
860:	learn:	0.1183862	test:	0.2167301	best:	0.2167293	(855)	total:	44.3s	remaining:	7m
498:	learn:	0.1183816	test:	0.2167294	best:	0.2167293	(855)	total:	44.3s	remaining:	7m
861:	learn:	0.1183816	test:	0.2167294	best:	0.2167293	(855)	total:	44.3s	remaining:	7m
862:	learn:	0.1183746	test:	0.2167308	best:	0.2167293	(855)	total:	44.4s	remaining:	7m
499:	learn:	0.1183747	test:	0.2167308	best:	0.2167293	(855)	total:	44.4s	remaining:	7m
499:	learn:	0.1183747	test:	0.2167308	best:	0.2167293	(855)	total:	44.4s	remaining:	7m
864:	learn:	0.1183719	test:	0.2167303	best:	0.2167293	(855)	total:	44.5s	remaining:	7m
865:	learn:	0.1183572	test:	0.2167038	best:	0.2167038	(865)	total:	44.5s	remaining:	7m
866:	learn:	0.1183508	test:	0.2167064	best:	0.2167038	(865)	total:	44.6s	remaining:	7m
867:	learn:	0.1183362	test:	0.2166870	best:	0.2166870	(867)	total:	44.6s	remaining:	7m
499:	learn:	0.1183284	test:	0.2166869	best:	0.2166869	(868)	total:	44.7s	remaining:	7m
869:	learn:	0.1183241	test:	0.2166792	best:	0.2166792	(869)	total:	44.7s	remaining:	7m
499:	learn:	0.1183195	test:	0.2166774	best:	0.2166774	(870)	total:	44.8s	remaining:	7m
870:	learn:	0.1183957	test:	0.2166705	best:	0.2166705	(871)	total:	44.8s	remaining:	7m
871:	learn:	0.1183901	test:	0.2166738	best:	0.2166705	(871)	total:	44.8s	remaining:	7m
499:	learn:	0.1182775	test:	0.2166704	best:	0.2166704	(873)	total:	44.9s	remaining:	7m
874:	learn:	0.1182699	test:	0.2166775	best:	0.2166704	(873)	total:	45s	remaining:	7m
499:	learn:	0.1182699	test:	0.2166775	best:	0.2166704	(873)	total:	45s	remaining:	7m
876:	learn:	0.1182427	test:	0.2166202	best:	0.2166202	(876)	total:	45.1s	remaining:	7m
877:	learn:	0.1182408	test:	0.2166397	best:	0.2166197	(877)	total:	45.1s	remaining:	7m
499:	learn:	0.1182354	test:	0.2166295	best:	0.2166197	(877)	total:	45.2s	remaining:	7m
499:	learn:	0.1182354	test:	0.2166295	best:	0.2166197	(877)	total:	45.2s	remaining:	7m
879:	learn:	0.1182325	test:	0.2166320	best:	0.2166197	(877)	total:	45.2s	remaining:	7m
499:	learn:	0.1182254	test:	0.2166363	best:	0.2166197	(877)	total:	45.3s	remaining:	7m
881:	learn:	0.1182136	test:	0.2166215	best:	0.2166197	(877)	total:	45.3s	remaining:	7m
882:	learn:	0.1181983	test:	0.2166132	best:	0.2166132	(882)	total:	45.4s	remaining:	7m
499:	learn:	0.1181954	test:	0.2166047	best:	0.2166047	(883)	total:	45.4s	remaining:	7m
884:	learn:	0.1181905	test:	0.2166216	best:	0.2166047	(883)	total:	45.4s	remaining:	7m
499:	learn:	0.1181828	test:	0.2166218	best:	0.2166047	(883)	total:	45.6s	remaining:	7m
886:	learn:	0.1181745	test:	0.2166158	best:	0.2166047	(883)	total:	45.6s	remaining:	7m
887:	learn:	0.1181726	test:	0.2166199	best:	0.2166047	(883)	total:	45.6s	remaining:	7m
499:	learn:	0.1181670	test:	0.2166283	best:	0.2166047	(883)	total:	45.7s	remaining:	7m
889:	learn:	0.1181579	test:	0.2166293	best:	0.2166047	(883)	total:	45.8s	remaining:	7m
891:	learn:	0.1181526	test:	0.2166251	best:	0.2166047	(883)	total:	45.8s	remaining:	7m
499:	learn:	0.1181422	test:	0.2166295	best:	0.2166047	(883)	total:	45.8s	remaining:	7m
893:	learn:	0.1181307	test:	0.2166208	best:	0.2166047	(883)	total:	45.9s	remaining:	7m
894:	learn:	0.1181133	test:	0.2166095	best:	0.2166047	(883)	total:	46s	remaining:	7m
499:	learn:	0.1181092	test:	0.2165971	best:	0.2165973	(895)	total:	46.1s	remaining:	7m
896:	learn:	0.1181044	test:	0.2165944	best:	0.2165944	(896)	total:	46.1s	remaining:	7m
499:	learn:	0.1181012	test:	0.2165919	best:	0.2165919	(897)	total:	46.1s	remaining:	7m
898:	learn:	0.1180943	test:	0.2165861	best:	0.2165862	(898)	total:	46.2s	remaining:	7m
900:	learn:	0.1180864	test:	0.2165662	best:	0.2165662	(899)	total:	46.2s	remaining:	7m
499:	learn:	0.1180669	test:	0.2165726	best:	0.2165662	(899)	total:	46.3s	remaining:	7m
901:	learn:	0.1180599	test:	0.2165680	best:	0.2165662	(899)	total:	46.3s	remaining:	7m
499:	learn:	0.1180593	test:	0.2165699	best:	0.2165662	(899)	total:	46.4s	remaining:	7m
903:	learn:	0.1180378	test:	0.2165647	best:	0.2165662	(903)	total:	46.4s	remaining:	7m
904:	learn:	0.1180321	test:	0.2165671	best:	0.2165647	(903)	total:	46.5s	remaining:	7m
499:	learn:	0.1180281	test:	0.2165633	best:	0.2165633	(905)	total:	46.5s	remaining:	7m
906:	learn:	0.1180232	test:	0.2165586	best:	0.2165586	(906)	total:	46.6s	remaining:	7m
499:	learn:	0.1180184	test:	0.2165621	best:	0.2165586	(906)	total:	46.6s	remaining:	7m
908:	learn:	0.1180134	test:	0.2165637	best:	0.2165586	(906)	total:	46.7s	remaining:	7m
499:	learn:	0.1180110	test:	0.2165643	best:	0.2165586	(906)	total:	46.7s	remaining:	7m
910:	learn:	0.1179939	test:	0.2165656	best:	0.2165586	(906)	total:	46.8s	remaining:	7m
911:	learn:	0.1179896	test:	0.2165652	best:	0.2165586	(906)	total:	46.8s	remaining:	7m
499:	learn:	0.1179491	test:	0.2165578	best:	0.2165578	(912)	total:	46.9s	remaining:	7m
913:	learn:	0.1179467	test:	0.2165577	best:	0.2165577	(913)	total:	46.9s	remaining:	7m
914:	learn:	0.1179399	test:	0.2165523	best:	0.2165523	(914)	total:	47s	remaining:	7m
499:	learn:	0.1179385	test:	0.2165382	best:	0.2165382	(915)	total:	47s	remaining:	7m
916:	learn:	0.1179391	test:	0.2165216	best:	0.2165216	(916)	total:	47.1s	remaining:	7m
499:	learn:	0.1179394	test:	0.2165121	best:	0.2165128	(917)	total:	47.1s	remaining:	7m
918:	learn:	0.1179783	test:	0.2165084	best:	0.2165084	(918)	total:	47.2s	remaining:	7m
499:	learn:	0.1179878	test:	0.2165096	best:	0.2165086	(919)	total:	47.2s	remaining:	7m
920:	learn:	0.1178843	test:	0.2165049	best:	0.2165086	(919)	total:	47.3s	remaining:	7m
921:	learn:	0.1178776	test:	0.2165212	best:	0.2165086	(919)	total:	47.3s	remaining:	7m
499:	learn:	0.1178458	test:	0.2165226	best:	0.2165086	(919)	total:	47.4s	remaining:	7m
923:	learn:	0.1178458	test:	0.2165203	best:	0.2165086	(919)	total:	47.5s	remaining:	7m
499:	learn:	0.1178316	test:	0.2165048	best:	0.2165086	(919)	total:	47.5s	remaining:	7m
925:	learn:	0.1178235	test:	0.2165067	best:	0.2165086	(919)	total:	47.7s	remaining:	7m
926:	learn:	0.1178181	test:	0.2165084	best:	0.2165086	(919)	total:	47.8s	remaining:	7m
499:	learn:	0.1178153	test:	0.2165084	best:	0.2165086	(919)	total:	47.8s	remaining:	7m
928:	learn:	0.1178116	test:	0.2165085	best:	0.2165086	(919)	total:	47.9s	remaining:	7m
499:	learn:	0.1177951	test:	0.2165073	best:	0.2165086	(919)	total:	47.9s	remaining:	7m
930:	learn:	0.1177951	test:	0.2165080	best:	0.2165086	(930)	total:	48s	remaining:	7m
931:	learn:	0.1177870	test:	0.2164943	best:	0.2164943	(931)	total:	48s	remaining:	7m
499:	learn:	0.1177747	test:	0.2164934	best:	0.2164934	(932)	total:	48.1s	remaining:	7m
933:	learn:	0.1177609	test:	0.2164870	best:	0.2164938	(933)	total:	48.1s	remaining:	7m
499:	learn:	0.1177521	test:	0.2164821	best:	0.2164821	(934)	total:	48.2s	remaining:	7m
935:	learn:	0.1177428	test:	0.2164744	best:	0.2164744	(935)	total:	48.3s	remaining:	7m
936:	learn:	0.1177237	test:	0.2164703	best:	0.2164703	(936)	total:	48.3s	remaining:	7m
499:	learn:	0.1177092	test:	0.2164795	best:	0.2164783	(936)	total:	48.4s	remaining:	7m
938:	learn:	0.1177022	test:	0.2164623	best:	0.2164703	(936)	total:	48.4s	remaining:	7m
499:	learn:	0.1176764	test:	0.2164656	best:	0.2164656	(940)	total:	48.5s	remaining:	7m
940:	learn:	0.1176764	test:	0.2164578	best:	0.2164578	(941)	total:	48.6s	remaining:	7m
941:	learn:	0.1176715	test:	0.2164681	best:	0.2164578	(941)	total:	48.6s	remaining:	7m
499:	learn:	0.1176621	test:	0.2164601	best:	0.2164578	(941)	total:	48.7s	remaining:	7m
943:	learn:	0.1176478	test:	0.2164436	best:	0.2164578	(941)	total:	48.7s	remaining:	7m
499:	learn:	0.1176268	test:	0.2164443	best:	0.2164443	(944)	total:	48.7s	remaining:	7m
945:	learn:	0.1176187	test:	0.2164459	best:	0.2164443	(944)	total:	48.8s	remaining:	7m
499:	learn:	0.1176193	test:	0.2164574	best:	0.2164443	(944)	total:	48.8s	remaining:	7m
947:	learn:	0.1175951	test:	0.2164504	best:	0.2164443	(944)	total:	48.9s	remaining:	7m
948:	learn:	0.1175886	test:	0.2164495	best:	0.2164443	(944)	total:	48.9s	remaining:	7m
499:	learn:	0.1175737	test:	0.2164404	best:	0.2164404	(949)	total:	49s	remaining:	7m
950:	learn:	0.1175666	test:	0.2164366	best:	0.2164366	(950)	total:	49s	remaining:	7m
499:	learn:	0.1175637	test:	0.2164232	best:	0.2164232	(951)	total:	49.1s	remaining:	7m
952:	learn:	0.1175618	test:	0.2164221	best:	0.2164212	(952)	total:	49.1s	remaining:	7m
953:	learn:	0.1175512	test:	0.2164067	best:	0.2164067	(953)	total:	49.2s	remaining:	7m
499:	learn:	0.1175458	test:	0.2164701	best:	0.2164067	(953)	total:	49.2s	remaining:	7m
955:	learn:	0.1175441	test:	0.2164119	best:	0.2164067	(953)	total:	49.3s	remaining:	7m
499:	learn:	0.1175329	test:	0.2163936	best:	0.2163936	(956)	total:	49.3s	remaining:	7m
957:	learn:	0.1175283	test:	0.2163932	best:	0.2163932	(957)	total:	49.4s	remaining:	7m
958:	learn:	0.1175172	test:	0.2163867	best:	0.2163867	(958)	total:	49.4s	remaining:	7m
499:	learn:	0.1175061	test:	0.2163880	best:	0.2163880	(959)	total:	49.5s	remaining:	7m
960:	learn:	0.1174968	test:	0.2163769	best:	0.2163879	(960)	total:	49.5s	remaining:	7m
499:	learn:	0.1174897	test:	0.2163800	best:	0.2163769	(960)	total:	49.6s	remaining:	7m
962:	learn:	0.1174721	test:	0.2163829	best:	0.2163769	(960)	total:	49.6s	remaining:	7m
963:	learn:	0.1174615	test:	0.2163869	best:	0					

1700:	learn: 0.1126493	test: 0.2155564 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1701:	learn: 0.1126396	test: 0.2155578 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1702:	learn: 0.1125965	test: 0.2155569 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1703:	learn: 0.1125373	test: 0.2155581 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1704:	learn: 0.1125762	test: 0.2155558 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1705:	learn: 0.1125730	test: 0.2155563 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1706:	learn: 0.1125653	test: 0.2155584 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1707:	learn: 0.1125501	test: 0.2155587 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1708:	learn: 0.1125672	test: 0.2155574 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1709:	learn: 0.1125552	test: 0.2155583 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1710:	learn: 0.1125491	test: 0.2155649 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1711:	learn: 0.1125452	test: 0.2155570 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1712:	learn: 0.1125426	test: 0.2155589 best: 0.2155558 (1699)	total: 1m 32s	remaining: 7m
1713:	learn: 0.1125404	test: 0.2155615 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1714:	learn: 0.1125358	test: 0.2155622 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1715:	learn: 0.1125358	test: 0.2155601 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1716:	learn: 0.1125296	test: 0.2155617 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1717:	learn: 0.1125233	test: 0.2155646 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1718:	learn: 0.1125255	test: 0.2155604 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1719:	learn: 0.1125324	test: 0.2155614 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1720:	learn: 0.1125947	test: 0.2155632 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1721:	learn: 0.1124943	test: 0.2155730 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1722:	learn: 0.1124879	test: 0.2155745 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1723:	learn: 0.1124848	test: 0.2155727 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1724:	learn: 0.1124912	test: 0.2155760 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1725:	learn: 0.1124739	test: 0.2155767 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1726:	learn: 0.1124692	test: 0.2155755 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1727:	learn: 0.1124564	test: 0.2155757 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1728:	learn: 0.1124610	test: 0.2155937 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1729:	learn: 0.1124468	test: 0.2155957 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1730:	learn: 0.1124426	test: 0.2155966 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1731:	learn: 0.1124417	test: 0.2155974 best: 0.2155558 (1699)	total: 1m 33s	remaining: 7m
1732:	learn: 0.1124384	test: 0.2155954 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1733:	learn: 0.1124327	test: 0.2155957 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1734:	learn: 0.1124262	test: 0.2155963 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1735:	learn: 0.1124259	test: 0.2155965 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1736:	learn: 0.1124311	test: 0.2155952 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1737:	learn: 0.1124412	test: 0.2155913 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1738:	learn: 0.1124417	test: 0.2155957 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1739:	learn: 0.1124906	test: 0.2155956 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1740:	learn: 0.1123975	test: 0.2155899 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1741:	learn: 0.1123962	test: 0.2155872 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1742:	learn: 0.1123921	test: 0.2155869 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1743:	learn: 0.1123890	test: 0.2155865 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1744:	learn: 0.1123874	test: 0.2155878 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1745:	learn: 0.1123850	test: 0.2155782 best: 0.2155558 (1699)	total: 1m 34s	remaining: 7m
1746:	learn: 0.1123789	test: 0.2155768 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1747:	learn: 0.1123774	test: 0.2155754 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1748:	learn: 0.1123769	test: 0.2155780 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1749:	learn: 0.1123674	test: 0.2155731 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1750:	learn: 0.1123622	test: 0.2155761 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1751:	learn: 0.1123553	test: 0.2155824 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1752:	learn: 0.1123475	test: 0.2155739 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1753:	learn: 0.1123437	test: 0.2155739 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1754:	learn: 0.1123407	test: 0.2155740 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1755:	learn: 0.1123380	test: 0.2155750 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1756:	learn: 0.1123260	test: 0.2155692 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1757:	learn: 0.1123239	test: 0.2155707 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1758:	learn: 0.1123211	test: 0.2155766 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1759:	learn: 0.1123184	test: 0.2155716 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1760:	learn: 0.1123137	test: 0.2155729 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1761:	learn: 0.1123121	test: 0.2155729 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1762:	learn: 0.1122906	test: 0.2155768 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1763:	learn: 0.1122859	test: 0.2155793 best: 0.2155558 (1699)	total: 1m 35s	remaining: 7m
1764:	learn: 0.1122755	test: 0.2155785 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1765:	learn: 0.1122714	test: 0.2155782 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1766:	learn: 0.1122679	test: 0.2155762 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1767:	learn: 0.1122670	test: 0.2155764 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1768:	learn: 0.1122630	test: 0.2155795 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1769:	learn: 0.1122613	test: 0.2155806 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1770:	learn: 0.1122566	test: 0.2155803 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1771:	learn: 0.1122494	test: 0.2155812 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1772:	learn: 0.1122476	test: 0.2155812 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1773:	learn: 0.1122418	test: 0.2155806 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1774:	learn: 0.1122409	test: 0.2155849 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1775:	learn: 0.1122367	test: 0.2155805 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1776:	learn: 0.1122287	test: 0.2155845 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1777:	learn: 0.1122254	test: 0.2155841 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1778:	learn: 0.1122182	test: 0.2155870 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1779:	learn: 0.1122141	test: 0.2155867 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1780:	learn: 0.1122109	test: 0.2155897 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1781:	learn: 0.1122020	test: 0.2155913 best: 0.2155558 (1699)	total: 1m 36s	remaining: 7m
1782:	learn: 0.1121982	test: 0.2155882 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1783:	learn: 0.1121914	test: 0.2155969 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1784:	learn: 0.1121914	test: 0.2155984 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1785:	learn: 0.1121819	test: 0.2156047 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1786:	learn: 0.1121774	test: 0.2156057 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1787:	learn: 0.1121729	test: 0.2156053 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1788:	learn: 0.1121723	test: 0.2156004 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1789:	learn: 0.1121615	test: 0.2156093 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1790:	learn: 0.1121542	test: 0.2156036 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1791:	learn: 0.1121504	test: 0.2156020 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1792:	learn: 0.1121444	test: 0.2156008 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1793:	learn: 0.1121390	test: 0.2155994 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1794:	learn: 0.1121390	test: 0.2155994 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1795:	learn: 0.1121287	test: 0.2155927 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1796:	learn: 0.1121143	test: 0.2155859 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1797:	learn: 0.1121125	test: 0.2155847 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1798:	learn: 0.1121040	test: 0.2155824 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1799:	learn: 0.1120993	test: 0.2155815 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1800:	learn: 0.1120934	test: 0.2155777 best: 0.2155558 (1699)	total: 1m 37s	remaining: 7m
1801:	learn: 0.1120914	test: 0.2155781 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1802:	learn: 0.1120822	test: 0.2155751 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1803:	learn: 0.1120822	test: 0.2155786 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1804:	learn: 0.1120795	test: 0.2155751 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1805:	learn: 0.1120724	test: 0.2155749 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1806:	learn: 0.1120687	test: 0.2155781 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1807:	learn: 0.1120671	test: 0.2155771 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1808:	learn: 0.1120623	test: 0.2155827 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1809:	learn: 0.1120635	test: 0.2155827 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1810:	learn: 0.1120609	test: 0.2155822 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1811:	learn: 0.1120573	test: 0.2155814 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1812:	learn: 0.1120573	test: 0.2155789 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1813:	learn: 0.1120459	test: 0.2155809 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1814:	learn: 0.1120429	test: 0.2156106 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1815:	learn: 0.1120401	test: 0.2156122 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1816:	learn: 0.1120280	test: 0.2156132 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1817:	learn: 0.1120266	test: 0.2156202 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1818:	learn: 0.1120223	test: 0.2156185 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1819:	learn: 0.1120233	test: 0.2156171 best: 0.2155558 (1699)	total: 1m 38s	remaining: 7m
1820:	learn: 0.1120153	test: 0.2156127 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1821:	learn: 0.1120137	test: 0.2156116 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1822:	learn: 0.1120106	test: 0.2156101 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1823:	learn: 0.1120086	test: 0.2156091 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1824:	learn: 0.1120005	test: 0.2155844 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1825:	learn: 0.1119984	test: 0.2155828 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1826:	learn: 0.1119938	test: 0.2155804 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1827:	learn: 0.1119908	test: 0.2155814 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1828:	learn: 0.1119886	test: 0.2155809 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1829:	learn: 0.1119870	test: 0.2155810 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1830:	learn: 0.1119763	test: 0.2155857 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1831:	learn: 0.1119738	test: 0.2155859 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1832:	learn: 0.1119691	test: 0.2155847 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1833:	learn: 0.1119659	test: 0.2155857 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1834:	learn: 0.1119612	test: 0.2155831 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1835:	learn: 0.1119582	test: 0.2155842 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1836:	learn: 0.1119516	test: 0.2155833 best: 0.2155558 (1699)	total: 1m 39s	remaining: 7m
1837:	learn: 0.1119487	test: 0.2155834 best: 0.2155558 (1699)	total: 1m 40s	remaining: 7m
1838:	learn: 0.1119469	test: 0.2155851 best: 0.2155558 (1699)	total: 1m 40s	remaining: 7m
1839:	learn: 0.1119370	test: 0.2155807 best: 0.2155558 (1699)	total: 1m 40s	remaining: 7m
1840:	learn: 0.1119360	test: 0.2155797 best: 0.2155558 (1699)		

3489:	learn:	0.1956373	test:	0.2149444	best:	0.2149311	(3344)	total:	3m 9s	remaining:	6m
3490:	learn:	0.1956350	test:	0.2149445	best:	0.2149311	(3344)	total:	3m 9s	remaining:	6m
75:	learn:	0.1956305	test:	0.2149448	best:	0.2149311	(3344)	total:	3m 9s	remaining:	6m
3492:	learn:	0.1956305	test:	0.2149448	best:	0.2149311	(3344)	total:	3m 9s	remaining:	6m
3493:	learn:	0.1956283	test:	0.2149433	best:	0.2149313	(3344)	total:	3m 9s	remaining:	6m
3494:	learn:	0.1956266	test:	0.2149427	best:	0.2149311	(3344)	total:	3m 9s	remaining:	6m
3495:	learn:	0.1956224	test:	0.2149361	best:	0.2149313	(3344)	total:	3m 9s	remaining:	6m
3496:	learn:	0.1956193	test:	0.2149361	best:	0.2149311	(3344)	total:	3m 9s	remaining:	6m
3497:	learn:	0.1956122	test:	0.2149384	best:	0.2149311	(3344)	total:	3m 9s	remaining:	6m
3498:	learn:	0.1956094	test:	0.2149361	best:	0.2149313	(3344)	total:	3m 9s	remaining:	6m
3499:	learn:	0.1956094	test:	0.2149362	best:	0.2149311	(3344)	total:	3m 9s	remaining:	6m
3491:	learn:	0.1956064	test:	0.2149352	best:	0.2149313	(3344)	total:	3m 10s	remaining:	6m
3411:	learn:	0.1956060	test:	0.2149350	best:	0.2149311	(3344)	total:	3m 10s	remaining:	6m
753:	learn:	0.1955943	test:	0.2149195	best:	0.2149195	(3412)	total:	3m 10s	remaining:	6m
3413:	learn:	0.1955894	test:	0.2149196	best:	0.2149195	(3412)	total:	3m 10s	remaining:	6m
653:	learn:	0.1955884	test:	0.2149205	best:	0.2149195	(3412)	total:	3m 10s	remaining:	6m
65:	learn:	0.1955845	test:	0.2149187	best:	0.2149187	(3415)	total:	3m 10s	remaining:	6m
3415:	learn:	0.1955792	test:	0.2149184	best:	0.2149184	(3416)	total:	3m 10s	remaining:	6m
3417:	learn:	0.1955762	test:	0.2149214	best:	0.2149184	(3416)	total:	3m 10s	remaining:	6m
3418:	learn:	0.1955696	test:	0.2149193	best:	0.2149184	(3416)	total:	3m 10s	remaining:	6m
3419:	learn:	0.1955666	test:	0.2149148	best:	0.2148149	(3419)	total:	3m 10s	remaining:	6m
3420:	learn:	0.1955623	test:	0.2149117	best:	0.2149117	(3420)	total:	3m 10s	remaining:	6m
3421:	learn:	0.1955623	test:	0.2149134	best:	0.2149117	(3420)	total:	3m 10s	remaining:	6m
3422:	learn:	0.1955606	test:	0.2149135	best:	0.2149117	(3420)	total:	3m 10s	remaining:	6m
3423:	learn:	0.1955538	test:	0.2149145	best:	0.2149117	(3420)	total:	3m 10s	remaining:	6m
3424:	learn:	0.1955474	test:	0.2149163	best:	0.2149117	(3420)	total:	3m 10s	remaining:	6m
3425:	learn:	0.1955437	test:	0.2149168	best:	0.2149117	(3420)	total:	3m 10s	remaining:	6m
3426:	learn:	0.1955423	test:	0.2149189	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3427:	learn:	0.1955378	test:	0.2149176	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3428:	learn:	0.1955366	test:	0.2149172	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3429:	learn:	0.1955320	test:	0.2149171	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3430:	learn:	0.1955388	test:	0.2149173	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3431:	learn:	0.1955288	test:	0.2149171	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3432:	learn:	0.1955257	test:	0.2149166	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3433:	learn:	0.1955190	test:	0.2149135	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3434:	learn:	0.1955166	test:	0.2149137	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3435:	learn:	0.1955151	test:	0.2149147	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
553:	learn:	0.1955137	test:	0.2149201	best:	0.2149119	(3420)	total:	3m 11s	remaining:	6m
3437:	learn:	0.1955094	test:	0.2149227	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3438:	learn:	0.1955075	test:	0.2149232	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3439:	learn:	0.1955025	test:	0.2149247	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3440:	learn:	0.1955014	test:	0.2149244	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
554:	learn:	0.1954992	test:	0.2149237	best:	0.2149119	(3420)	total:	3m 11s	remaining:	6m
3442:	learn:	0.1954981	test:	0.2149248	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3443:	learn:	0.1954965	test:	0.2149251	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3444:	learn:	0.1954886	test:	0.2149273	best:	0.2149117	(3420)	total:	3m 11s	remaining:	6m
3445:	learn:	0.1954854	test:	0.2149255	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
555:	learn:	0.1954809	test:	0.2149188	best:	0.2149119	(3420)	total:	3m 12s	remaining:	6m
3447:	learn:	0.1954769	test:	0.2149194	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
3448:	learn:	0.1954732	test:	0.2149196	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
3449:	learn:	0.1954724	test:	0.2149160	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
3450:	learn:	0.1954704	test:	0.2149105	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
3451:	learn:	0.1954686	test:	0.2149174	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
3452:	learn:	0.1954573	test:	0.2149180	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
3453:	learn:	0.1954532	test:	0.2149187	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
3454:	learn:	0.1954486	test:	0.2149193	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
3455:	learn:	0.1954386	test:	0.2149178	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
556:	learn:	0.1954302	test:	0.2149176	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
3457:	learn:	0.1954284	test:	0.2149171	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
3458:	learn:	0.1954244	test:	0.2149175	best:	0.2149117	(3420)	total:	3m 12s	remaining:	6m
45:	learn:	0.1954218	test:	0.2149174	best:	0.2149117	(3420)	total:	3m 13s	remaining:	6m
3459:	learn:	0.1954183	test:	0.2149183	best:	0.2149117	(3420)	total:	3m 13s	remaining:	6m
3460:	learn:	0.1954181	test:	0.2149184	best:	0.2149117	(3420)	total:	3m 13s	remaining:	6m
3461:	learn:	0.1954157	test:	0.2149199	best:	0.2149117	(3420)	total:	3m 13s	remaining:	6m
3462:	learn:	0.1954157	test:	0.2149199	best:	0.2149117	(3420)	total:	3m 13s	remaining:	6m
3463:	learn:	0.1954088	test:	0.2149063	best:	0.2149063	(3463)	total:	3m 13s	remaining:	6m
3464:	learn:	0.1954015	test:	0.2149024	best:	0.2149024	(3464)	total:	3m 13s	remaining:	6m
3465:	learn:	0.1954004	test:	0.2149032	best:	0.2149024	(3464)	total:	3m 13s	remaining:	6m
3466:	learn:	0.1953975	test:	0.2149021	best:	0.2149024	(3464)	total:	3m 13s	remaining:	6m
3467:	learn:	0.1953914	test:	0.2149028	best:	0.2149024	(3464)	total:	3m 13s	remaining:	6m
3468:	learn:	0.1953916	test:	0.2149029	best:	0.2149024	(3464)	total:	3m 13s	remaining:	6m
3469:	learn:	0.1953884	test:	0.2149029	best:	0.2149024	(3464)	total:	3m 13s	remaining:	6m
3470:	learn:	0.1953846	test:	0.2149012	best:	0.2149012	(3471)	total:	3m 13s	remaining:	6m
3471:	learn:	0.1953826	test:	0.2149001	best:	0.2149001	(3471)	total:	3m 13s	remaining:	6m
3472:	learn:	0.1953783	test:	0.2149008	best:	0.2149001	(3471)	total:	3m 13s	remaining:	6m
453:	learn:	0.1953744	test:	0.2149032	best:	0.2149001	(3471)	total:	3m 13s	remaining:	6m
3474:	learn:	0.1953683	test:	0.2149051	best:	0.2149001	(3471)	total:	3m 14s	remaining:	6m
3475:	learn:	0.1953610	test:	0.2149014	best:	0.2149001	(3471)	total:	3m 14s	remaining:	6m
3476:	learn:	0.1953561	test:	0.2149004	best:	0.2149001	(3471)	total:	3m 14s	remaining:	6m
3477:	learn:	0.1953547	test:	0.2149053	best:	0.2149001	(3471)	total:	3m 14s	remaining:	6m
3478:	learn:	0.1953491	test:	0.2149010	best:	0.2149001	(3471)	total:	3m 14s	remaining:	6m
3479:	learn:	0.1953432	test:	0.2149001	best:	0.2149001	(3479)	total:	3m 14s	remaining:	6m
3480:	learn:	0.1953378	test:	0.2148940	best:	0.2148940	(3480)	total:	3m 14s	remaining:	6m
3481:	learn:	0.1953352	test:	0.2148934	best:	0.2148934	(3481)	total:	3m 14s	remaining:	6m
3482:	learn:	0.1953290	test:	0.2148971	best:	0.2148934	(3481)	total:	3m 14s	remaining:	6m
38:	learn:	0.1953270	test:	0.2148963	best:	0.2148934	(3481)	total:	3m 14s	remaining:	6m
3484:	learn:	0.1953252	test:	0.2148966	best:	0.2148934	(3481)	total:	3m 14s	remaining:	6m
3485:	learn:	0.1953231	test:	0.2148984	best:	0.2148934	(3481)	total:	3m 14s	remaining:	6m
3486:	learn:	0.1953131	test:	0.2148974	best:	0.2148934	(3481)	total:	3m 14s	remaining:	6m
3487:	learn:	0.1953088	test:	0.2148971	best:	0.2148934	(3481)	total:	3m 14s	remaining:	6m
3488:	learn:	0.1953041	test:	0.2148959	best:	0.2148934	(3481)	total:	3m 14s	remaining:	6m
3489:	learn:	0.1953015	test:	0.2148968	best:	0.2148934	(3481)	total:	3m 14s	remaining:	6m
3490:	learn:	0.1953002	test:	0.2148940	best:	0.2148934	(3481)	total:	3m 15s	remaining:	6m
3491:	learn:	0.1952990	test:	0.2148941	best:	0.2148934	(3481)	total:	3m 15s	remaining:	6m
3492:	learn:	0.1952941	test:	0.2148938	best:	0.2148934	(3481)	total:	3m 15s	remaining:	6m
35:	learn:	0.1952888	test:	0.2148927	best:	0.2148927	(3493)	total:	3m 15s	remaining:	6m
3494:	learn:	0.1952856	test:	0.2148929	best:	0.2148927	(3493)	total:	3m 15s	remaining:	6m
3495:	learn:	0.1952848	test:	0.2148913	best:	0.2148913	(3495)	total:	3m 15s	remaining:	6m
3496:	learn:	0.1952823	test:	0.2148923	best:	0.2148913	(3495)	total:	3m 15s	remaining:	6m
3497:	learn:	0.1952798	test:	0.2148926	best:	0.2148913	(3495)	total:	3m 15s	remaining:	6m
3498:	learn:	0.1952767	test:	0.2148967	best:	0.2148913	(3495)	total:	3m 15s	remaining:	6m
3499:	learn:	0.1952714	test:	0.2148948	best:	0.2148913	(3495)	total:	3m 15s	remaining:	6m
3500:	learn:	0.1952657	test:	0.2148962	best:	0.2148913	(3495)	total:	3m 15s	remaining:	6m
3501:	learn:	0.1952653	test:	0.2149004	best:	0.2148913	(3495)	total:	3m 15s	remaining:	6m
3502:	learn:	0.1952619	test:	0.2148945	best:	0.2148913	(3495)	total:	3m 15s	remaining:	6m
3503:	learn:	0.1952579	test:	0.2149036	best:	0.2148913	(3495)	total:	3m 15s	remaining:	6m
3504:	learn:	0.1952552	test:	0.2149023	best:	0.2148913	(3495)	total:	3m 15s	remaining:	6m
3505:	learn:	0.1952531	test:	0.2149022	best:	0.2148913	(3495)	total:	3m 16s	remaining:	6m
3506:	learn:	0.1952517	test:	0.2148985	best:	0.2148913	(3495)	total:	3m 16s	remaining:	6m
3507:	learn:	0.1952493	test:	0.2149034	best:	0.2148913	(3495)	total:	3m 16s	remaining:	6m
3508:	learn:	0.1952427	test:	0.2148962	best:	0.2148913	(3495)	total:	3m		

4688:	learn:	0.1012483	test:	0.2146651	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4689:	learn:	0.1012433	test:	0.2146653	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4690:	learn:	0.1012416	test:	0.2146662	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4691:	learn:	0.1012387	test:	0.2145987	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4692:	learn:	0.1012378	test:	0.2145987	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4693:	learn:	0.1012341	test:	0.2146651	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4694:	learn:	0.1012394	test:	0.2146676	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4695:	learn:	0.1012291	test:	0.2146639	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4696:	learn:	0.1012248	test:	0.2146637	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4697:	learn:	0.1012234	test:	0.2146637	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4698:	learn:	0.1012287	test:	0.2145964	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4699:	learn:	0.1012185	test:	0.2145959	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4700:	learn:	0.1012174	test:	0.2145959	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4701:	learn:	0.1012155	test:	0.2145954	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4702:	learn:	0.1012144	test:	0.2145926	best:	0.2145892	(4459)	total:	4m 30s	remaining:	5m
4703:	learn:	0.1012054	test:	0.2145989	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4704:	learn:	0.1012013	test:	0.2145976	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4705:	learn:	0.1012065	test:	0.2146609	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4706:	learn:	0.1011945	test:	0.2146637	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4707:	learn:	0.1011929	test:	0.2146640	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4708:	learn:	0.1011922	test:	0.2146639	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4709:	learn:	0.1011887	test:	0.2145998	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4710:	learn:	0.1011839	test:	0.2146649	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4711:	learn:	0.1011839	test:	0.2146619	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4712:	learn:	0.1011787	test:	0.2146611	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4713:	learn:	0.1011771	test:	0.2145961	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4714:	learn:	0.1011719	test:	0.2145991	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4715:	learn:	0.1011694	test:	0.2145945	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4716:	learn:	0.1011677	test:	0.2145951	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4717:	learn:	0.1011687	test:	0.2145943	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4718:	learn:	0.1011658	test:	0.2145974	best:	0.2145892	(4459)	total:	4m 31s	remaining:	5m
4719:	learn:	0.1011611	test:	0.2146644	best:	0.2145892	(4459)	total:	4m 32s	remaining:	5m
4720:	learn:	0.1011578	test:	0.2146688	best:	0.2145892	(4459)	total:	4m 32s	remaining:	5m
4721:	learn:	0.1011541	test:	0.2146679	best:	0.2145892	(4459)	total:	4m 32s	remaining:	5m
4722:	learn:	0.1011542	test:	0.2146682	best:	0.2145892	(4459)	total:	4m 32s	remaining:	5m
4723:	learn:	0.1011569	test:	0.2146683	best:	0.2145892	(4459)	total:	4m 32s	remaining:	5m
4724:	learn:	0.1011472	test:	0.2146654	best:	0.2					

[illegible]

[illegible]

236	learn: 0.0933248	test: 0.2147216 best: 0.2145365 (6667)	total: 7m 54s	remaining: 2m
7675	learn: 0.0933229	test: 0.2147242 best: 0.2145365 (6667)	total: 7m 54s	remaining: 2m
235	learn: 0.0933182	test: 0.2147249 best: 0.2145365 (6667)	total: 7m 54s	remaining: 2m
7676	learn: 0.0933165	test: 0.2147224 best: 0.2145365 (6667)	total: 7m 54s	remaining: 2m
237	learn: 0.0933121	test: 0.2147216 best: 0.2145365 (6667)	total: 7m 54s	remaining: 2m
7677	learn: 0.0933098	test: 0.2147213 best: 0.2145365 (6667)	total: 7m 54s	remaining: 2m
238	learn: 0.0933074	test: 0.2147214 best: 0.2145365 (6667)	total: 7m 54s	remaining: 2m
7678	learn: 0.0933059	test: 0.2147217 best: 0.2145365 (6667)	total: 7m 54s	remaining: 2m
239	learn: 0.0933042	test: 0.2147215 best: 0.2145365 (6667)	total: 7m 54s	remaining: 2m
7679	learn: 0.0933025	test: 0.2147206 best: 0.2145365 (6667)	total: 7m 55s	remaining: 2m
240	learn: 0.0932988	test: 0.2147222 best: 0.2145365 (6667)	total: 7m 55s	remaining: 2m
7680	learn: 0.0932963	test: 0.2147295 best: 0.2145365 (6667)	total: 7m 55s	remaining: 2m
241	learn: 0.0932880	test: 0.2147206 best: 0.2145365 (6667)	total: 7m 55s	remaining: 2m
7681	learn: 0.0932868	test: 0.2147228 best: 0.2145365 (6667)	total: 7m 55s	remaining: 2m
242	learn: 0.0932830	test: 0.2147284 best: 0.2145365 (6667)	total: 7m 55s	remaining: 2m
7682	learn: 0.0932801	test: 0.2147291 best: 0.2145365 (6667)	total: 7m 55s	remaining: 2m
243	learn: 0.0932772	test: 0.2147313 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
7683	learn: 0.0932755	test: 0.2147278 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
244	learn: 0.0932730	test: 0.2147336 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
7684	learn: 0.0932688	test: 0.2147327 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
245	learn: 0.0932659	test: 0.2147321 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
7685	learn: 0.0932634	test: 0.2147310 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
246	learn: 0.0932558	test: 0.2147306 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
7686	learn: 0.0932517	test: 0.2147310 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
247	learn: 0.0932467	test: 0.2147280 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
7687	learn: 0.0932453	test: 0.2147289 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
248	learn: 0.0932425	test: 0.2147292 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
7688	learn: 0.0932389	test: 0.2147269 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
249	learn: 0.0932366	test: 0.2147270 best: 0.2145365 (6667)	total: 7m 56s	remaining: 2m
7689	learn: 0.0932324	test: 0.2147261 best: 0.2145365 (6667)	total: 7m 57s	remaining: 2m
250	learn: 0.0932296	test: 0.2147358 best: 0.2145365 (6667)	total: 7m 57s	remaining: 2m
7690	learn: 0.0932256	test: 0.2147314 best: 0.2145365 (6667)	total: 7m 57s	remaining: 2m
251	learn: 0.0932252	test: 0.2147309 best: 0.2145365 (6667)	total: 7m 57s	remaining: 2m
7691	learn: 0.0932204	test: 0.2147329 best: 0.2145365 (6667)	total: 7m 57s	remaining: 2m
252	learn: 0.0932188	test: 0.2147332 best: 0.2145365 (6667)	total: 7m 57s	remaining: 2m
7692	learn: 0.0932199	test: 0.2147337 best: 0.2145365 (6667)	total: 7m 57s	remaining: 2m
253	learn: 0.0932169	test: 0.2147312 best: 0.2145365 (6667)	total: 7m 57s	remaining: 2m
7693	learn: 0.0932178	test: 0.2147311 best: 0.2145365 (6667)	total: 7m 58s	remaining: 2m
254	learn: 0.0931966	test: 0.2147305 best: 0.2145365 (6667)	total: 7m 58s	remaining: 2m
7694	learn: 0.0931928	test: 0.2147308 best: 0.2145365 (6667)	total: 7m 58s	remaining: 2m
255	learn: 0.0931918	test: 0.2147308 best: 0.2145365 (6667)	total: 7m 58s	remaining: 2m
7695	learn: 0.0931896	test: 0.2147310 best: 0.2145365 (6667)	total: 7m 58s	remaining: 2m
256	learn: 0.0931870	test: 0.2147316 best: 0.2145365 (6667)	total: 7m 58s	remaining: 2m
7696	learn: 0.0931836	test: 0.2147322 best: 0.2145365 (6667)	total: 7m 58s	remaining: 2m
257	learn: 0.0931798	test: 0.2147305 best: 0.2145365 (6667)	total: 7m 58s	remaining: 2m
7697	learn: 0.0931775	test: 0.2147296 best: 0.2145365 (6667)	total: 7m 58s	remaining: 2m
258	learn: 0.0931754	test: 0.2147271 best: 0.2145365 (6667)	total: 7m	

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9521:	learn:	0.9995318	test:	0.2145361	best:	0.2145365	(6667)	total:	9m 29s	remaining:	1m
9522:	learn:	0.9995299	test:	0.2148312	best:	0.2145365	(6667)	total:	9m 29s	remaining:	1m
65:	learn:	0.9995279	test:	0.2148321	best:	0.2145365	(6667)	total:	9m 29s	remaining:	1m
9531:	learn:	0.9995266	test:	0.2148321	best:	0.2145365	(6667)	total:	9m 29s	remaining:	1m
9532:	learn:	0.9995266	test:	0.2148328	best:	0.2145365	(6667)	total:	9m 29s	remaining:	1m
9533:	learn:	0.9995239	test:	0.2148274	best:	0.2145365	(6667)	total:	9m 29s	remaining:	1m
9534:	learn:	0.9995214	test:	0.2148241	best:	0.2145365	(6667)	total:	9m 29s	remaining:	1m
9535:	learn:	0.9995214	test:	0.2148228	best:	0.2145365	(6667)	total:	9m 29s	remaining:	1m
9536:	learn:	0.9995183	test:	0.2148231	best:	0.2145365	(6667)	total:	9m 29s	remaining:	1m
9537:	learn:	0.9995172	test:	0.2148253	best:	0.2145365	(6667)	total:	9m 29s	remaining:	1m
9538:	learn:	0.9995172	test:	0.2148251	best:	0.2145365	(6667)	total:	9m 29s	remaining:	1m
9539:	learn:	0.9995196	test:	0.2148245	best:	0.2145365	(6667)	total:	9m 29s	remaining:	1m
9540:	learn:	0.9995083	test:	0.2148249	best:	0.2145365	(6667)	total:	9m 30s	remaining:	1m
9541:	learn:	0.9995083	test:	0.2148237	best:	0.2145365	(6667)	total:	9m 30s	remaining:	1m
9542:	learn:	0.9995072	test:	0.2148236	best:	0.2145365	(6667)	total:	9m 30s	remaining:	1m
9543:	learn:	0.9995053	test:	0.2148237	best:	0.2145365	(6667)	total:	9m 30s	remaining:	1m
9544:	learn:	0.9995013	test:	0.2148270	best:	0.2145365	(6667)	total:	9m 30s	remaining:	1m
9545:	learn:	0.9994980	test:	0.2148262	best:	0.2145365	(6667)	total:	9m 30s	remaining:	1m
9546:	learn:	0.9994980	test:	0.2148261	best:	0.2145365	(6667)	total:	9m 30s	remaining:	1m
9547:	learn:	0.9994934	test:	0.2148266	best:	0.2145365	(6667)	total:	9m 30s	remaining:	1m
9548:	learn:	0.9994934	test:	0.2148266	best:	0.2145365	(6667)	total:	9m 30s	remaining:	1m
9549:	learn:	0.9994934	test:	0.2148256	best:	0.2145365	(6667)	total:	9m 30s	remaining:	1m
55:	learn:	0.9994923	test:	0.2148266	best:	0.2145365	(6667)	total:	9m 30s	remaining:	1m
9550:	learn:	0.9994919	test:	0.2148265	best:	0.2145365	(6667)	total:	9m 30s	remaining:	1m
9551:	learn:	0.9994899	test:	0.2148256	best:	0.2145365	(6667)	total:	9m 31s	remaining:	1m
9552:	learn:	0.9994886	test:	0.2148253	best:	0.2145365	(6667)	total:	9m 31s	remaining:	1m
9553:	learn:	0.9994873	test:	0.2148254	best:	0.2145365	(6667)	total:	9m 31s	remaining:	1m
9554:	learn:	0.9994858	test:	0.2148252	best:	0.2145365	(6667)	total:	9m 31s	remaining:	1m
9555:	learn:	0.9994858	test:	0.2148258	best:	0.2145365	(6667)	total:	9m 31s	remaining:	1m
9556:	learn:	0.9994792	test:	0.2148268	best:	0.2145365	(6667)	total:	9m 31s	remaining:	1m
9557:	learn:	0.9994787	test:	0.2148298	best:	0.2145365	(6667)	total:	9m 31s	remaining:	1m
9558:	learn:	0.9994765	test:	0.2148305	best:	0.2145365	(6667)	total:	9m 31s	remaining:	1m
9559:	learn:	0.9994731	test:	0.2148313	best:	0.2145365	(6667)	total:	9m 31s	remaining:	1m
9560:	learn:	0.9994721	test:	0.2148395	best:	0.2145365	(6667)	total:	9m 31s	remaining:	1m
9561:	learn:	0.9994692	test:	0.2148395	best:	0.2145365	(6667)	total:	9m 31s	remaining:	1m
9562:	learn:	0.9994699	test:	0.2148308	best:	0.2145365	(6667)	total:	9m 32s	remaining:	1m
9563:	learn:	0.9994656	test:	0.2148307	best:	0.2145365	(6667)	total:	9m 32s	remaining:	1m
45:	learn:	0.9994626	test:	0.2148290	best:	0.2145365	(6667)	total:	9m 32s	remaining:	1m
9568:	learn:	0.9994594	test:	0.2148286	best:	0.2145365	(6667)	total:	9m 32s	remaining:	1m
9569:	learn:	0.9994566	test:	0.2148285	best:	0.2145365	(6667)	total:	9m 32s	remaining:	1m
9570:	learn:	0.9994551	test:	0.2148277	best:	0.2145365	(6667)	total:	9m 32s	remaining:	1m
9571:	learn:	0.9994539	test:	0.2148284	best:	0.2145365	(6667)	total:	9m 32s	remaining:	1m
9572:	learn:	0.9994499	test:	0.2148265	best:	0.2145365	(6667)	total:	9m 32s	remaining:	1m
9573:	learn:	0.9994454	test:	0.2148284	best:	0.2145365	(6667)	total:	9m 32s	remaining:	1m
9574:	learn:	0.9994429	test:	0.2148295	best:	0.2145365	(6667)	total:	9m 32s	remaining:	1m
9575:	learn:	0.9994427	test:	0.2148194	best:	0.2145365	(6667)	total:	9m 33s	remaining:	1m
9576:	learn:	0.9994266	test:	0.2148198	best:	0.2145365	(6667)	total:	9m 33s	remaining:	1m
9577:	learn:	0.9994183	test:	0.2148202	best:	0.2145365	(6667)	total:	9m 33s	remaining:	1m
9578:	learn:	0.9994170	test:	0.2148208	best:	0.2145365	(6667)	total:	9m 33s	remaining:	1m
9579:	learn:	0.9994138	test:	0.2148224	best:	0.2145365	(6667)	total:	9m 33s	remaining:	1m
9580:	learn:	0.9994123	test:	0.2148218	best:	0.2145365	(6667)	total:	9m 33s	remaining:	1m
9581:	learn:	0.9994111	test:	0.2148226	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9582:	learn:	0.9994083	test:	0.2148201	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9583:	learn:	0.9994068	test:	0.2148206	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9584:	learn:	0.9994015	test:	0.2148207	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9585:	learn:	0.9994004	test:	0.2148206	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9586:	learn:	0.9993986	test:	0.2148209	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9587:	learn:	0.9993964	test:	0.2148183	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9588:	learn:	0.9993956	test:	0.2148182	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9589:	learn:	0.9993939	test:	0.2148209	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9590:	learn:	0.9993880	test:	0.2148204	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9591:	learn:	0.9993856	test:	0.2148159	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9592:	learn:	0.9993822	test:	0.2148155	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9593:	learn:	0.9993800	test:	0.2148147	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9594:	learn:	0.9993786	test:	0.2148304	best:	0.2145365	(6667)	total:	9m 34s	remaining:	1m
9595:	learn:	0.9993768	test:	0.2148319	best:	0.2145365	(6667)	total:	9m 35s	remaining:	1m
9596:	learn:	0.9993722	test:	0.2148153	best:	0.2145365	(6667)	total:	9m 35s	remaining:	1m
9597:	learn:	0.9993672	test:	0.2148143	best:	0.2145365	(6667)	total:	9m 35s	remaining:	1m
9598:	learn:	0.9993622	test:	0.2148134	best:	0.2145365	(6667)	total:	9m 35s	remaining:	1m
9599:	learn:	0.9993590	test:	0.2148101	best:	0.2145365	(6667)	total:	9m 35s	remaining:	1m
9600:	learn:	0.9993566	test:	0.2148099	best:	0.2145365	(6667)	total:	9m 35s	remaining:	1m
9601:	learn:	0.9993531	test:	0.2148082	best:	0.2145365	(6667)	total:	9m 35s	remaining:	1m
9602:	learn:	0.9993515	test:	0.2148088	best:	0.2145365	(6667)	total:	9m 35s	remaining:	1m
9603:	learn:	0.9993511	test:	0.2148088	best:	0.2145365	(6667)	total:	9m 35s	remaining:	1m
9604:	learn:	0.9993499	test:	0.2148088	best:	0.2145365	(6667)	total:	9m 35s	remaining:	1m
9605:	learn:	0.9993462	test:	0.2148095	best:	0.2145365	(6667)	total:	9m 35s	remaining:	1m
9606:	learn:	0.9993428	test:	0.2148101	best:	0.2145365	(6667)	total:	9m 36s	remaining:	1m
9607:	learn:	0.9993401	test:	0.2148236	best:	0.2145365	(6667)	total:	9m 36s	remaining:	1m
9608:	learn:	0.9993391	test:	0.2148095	best:	0.2145365	(6667)	total:	9m 36s	remaining:	1m
9609:	learn:	0.9993375	test:	0.2148105	best:	0.2145365	(6667)	total:	9m 36s	remaining:	1m
9610:	learn:	0.9993352	test:	0.2148105	best:	0.2145365	(6667)	total:	9m 36s	remaining:	1m
9611:	learn:	0.9993330	test:	0.2148128	best:	0.2145365	(6667)	total:	9m 36s	remaining:	1m
9612:	learn:	0.9993296	test:	0.2148121	best:	0.2145365	(6667)	total:	9m 37s	remaining:	1m
9613:	learn:	0.9993284	test:	0.2148097	best:	0.2145365	(6667)	total:	9m 37s	remaining:	1m
9614:	learn:	0.9993263	test:	0.2148107	best:	0.2145365	(6667)	total:	9m 37s	remaining:	1m
9615:	learn:	0.9993253	test:	0.2148113	best:	0.2145365	(6667)	total:	9m 37s	remaining:	1m
9616:	learn:	0.9993253	test:	0.2148155	best:	0.2145365	(6667)	total:	9m 37s	remaining:	1m
9617:	learn:	0.9993247	test:	0.2148174	best:	0.2145365	(6667)	total:	9m 37s	remaining:	1m
9618:	learn:	0.9993247	test:	0.2148168	best:	0.2145365	(6667)	total:	9m 37s	remaining:	1m
9619:	learn:	0.9993209	test:	0.2148173	best:	0.2145365	(6667)	total:	9m 37s	remaining:	1m
9620:	learn:	0.9993198	test:	0.2148190	best:	0.2145365	(6667)	total:	9m 37s	remaining:	5
9621:	learn:	0.9993186	test:	0.2148196	best:	0.2145365	(6667)	total:	9m 37s	remaining:	5
9622:	learn:	0.9993186	test:	0.2148187	best:	0.2145365	(6667)	total:	9m 37s	remaining:	5
9623:	learn:	0.9993186	test:	0.2148202	best:	0.2145365	(6667)	total:	9m 37s	remaining:	5
9624:	learn:	0.9993186	test:	0.2148202	best:	0.2145365	(6667)	total:	9m 37s	remaining:	5
9625:	learn:	0.9993186	test:	0.2148233	best:	0.2145365	(6667)	total:	9m 38s	remaining:	5
9626:	learn:	0.9993080	test:	0.2148232	best:	0.2145365	(6667)	total:	9m 38s	remaining:	5
9627:	learn:	0.9992778	test:	0.2148226	best:	0.2145365	(6667)	total:	9m 38s	remaining:	5
9628:	learn:	0.9992752	test:	0.2148251	best:	0.2145365	(6667)	total:	9m 38s	remaining:	5
9629:	learn:	0.9992754	test:	0.2148251	best:	0.2145365	(6667)	total:	9m 38s	remaining:	5
9630:	learn:	0.9992738	test:	0.2148255	best:	0.2145365	(6667)	total:	9m 38s	remaining:	5
9631:	learn:	0.9992761	test:	0.2148254	best:	0.2145365	(6667)	total:	9m 38s	remaining:	5
9632:	learn:	0.9992697	test:	0.2148259	best:	0.2145365	(6667)	total:	9m 38s	remaining:	5
9633:	learn:	0.9992692	test:	0.2148253	best:	0.2145365	(6667)	total:	9m 38s	remaining:	5
9634:	learn:	0.9992670	test:	0.2148218	best:	0.2145365	(6667)	total:	9m 38s	remaining:	59
9635:	learn:	0.9992656	test:	0.2148226	best:	0.2145365	(6667)	total:	9m 38s	remaining:	5
9636:	learn:	0.9992637	test:	0.2148234	best:	0.2145365	(6667)	total:	9m 38s	remaining:	5
9637:	learn:	0.9992632	test:	0.2148245	best:	0.2145365	(6667)	total:	9m 38s	remaining:	5
9638:	learn:	0.9992635	test:	0.2148245	best:	0.2145365	(6667)	total:	9m 39s	remaining:	5
9639:	learn:	0.9992614	test:	0.2148239	best:	0.2145365	(6667)	total:	9m 39s	remaining:	5
9640:	learn:	0.9992582	test:	0.2148239	best:	0.2145365	(6667)	total:			

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