

Calories Burnt Prediction



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```
In [73]: import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns

from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.preprocessing import OrdinalEncoder

from sklearn.metrics import r2_score
from sklearn.model_selection import cross_val_score
from sklearn.metrics import mean_absolute_error
from sklearn.model_selection import KFold
from sklearn.pipeline import Pipeline
from sklearn.compose import ColumnTransformer

from sklearn.model_selection import KFold

from sklearn.linear_model import LinearRegression
from sklearn.svm import SVR
from sklearn.ensemble import RandomForestRegressor
from sklearn.ensemble import GradientBoostingRegressor

from xgboost import XGBRFRegressor
from catboost import CatBoostRegressor
from lightgbm import LGBMRegressor

import warnings
warnings.filterwarnings('ignore')

import pickle
```

```
In [2]: calories = pd.read_csv('calories.csv')
exercise = pd.read_csv('exercise.csv')
```

```
In [3]: calories.head()
```

Out[3]:

	User_ID	Calories
0	14733363	231.0
1	14861698	66.0
2	11179863	26.0
3	16180408	71.0
4	17771927	35.0

In [4]: `exercise.head()`

Out[4]:

	User_ID	Gender	Age	Height	Weight	Duration	Heart_Rate	Body_Temp
0	14733363	male	68	190.0	94.0	29.0	105.0	40.8
1	14861698	female	20	166.0	60.0	14.0	94.0	40.3
2	11179863	male	69	179.0	79.0	5.0	88.0	38.7
3	16180408	female	34	179.0	71.0	13.0	100.0	40.5
4	17771927	female	27	154.0	58.0	10.0	81.0	39.8

In [5]: `dataset = pd.merge(calories, exercise, on='User_ID')`

In [6]: `dataset.head()`

Out[6]:

	User_ID	Calories	Gender	Age	Height	Weight	Duration	Heart_Rate	Body_Temp
0	14733363	231.0	male	68	190.0	94.0	29.0	105.0	40.8
1	14861698	66.0	female	20	166.0	60.0	14.0	94.0	40.3
2	11179863	26.0	male	69	179.0	79.0	5.0	88.0	38.7
3	16180408	71.0	female	34	179.0	71.0	13.0	100.0	40.5
4	17771927	35.0	female	27	154.0	58.0	10.0	81.0	39.8

In [7]: `dataset.shape`

Out[7]: (15000, 9)

In [33]: `print('Number of Rows:',dataset.shape[0])`
`print('Number of Columns:',dataset.shape[1])`

Number of Rows: 15000
Number of Columns: 9

In [36]: `dataset = dataset.drop(columns=['User_ID'])`

In [37]: `dataset.info()`

```

<class 'pandas.core.frame.DataFrame'>
Int64Index: 15000 entries, 0 to 14999
Data columns (total 8 columns):
#   Column      Non-Null Count  Dtype
---  -
0   Calories    15000 non-null  float64
1   Gender       15000 non-null  object
2   Age          15000 non-null  int64
3   Height       15000 non-null  float64
4   Weight       15000 non-null  float64
5   Duration     15000 non-null  float64
6   Heart_Rate   15000 non-null  float64
7   Body_Temp    15000 non-null  float64
dtypes: float64(6), int64(1), object(1)
memory usage: 1.5+ MB

```

```
In [10]: dataset.isnull().sum()
```

```

Out[10]: User_ID      0
Calories    0
Gender      0
Age         0
Height      0
Weight      0
Duration    0
Heart_Rate  0
Body_Temp   0
dtype: int64

```

```
In [11]: dataset.duplicated().sum()
```

```
Out[11]: 0
```

```
In [12]: dataset.describe()
```

```

Out[12]:

```

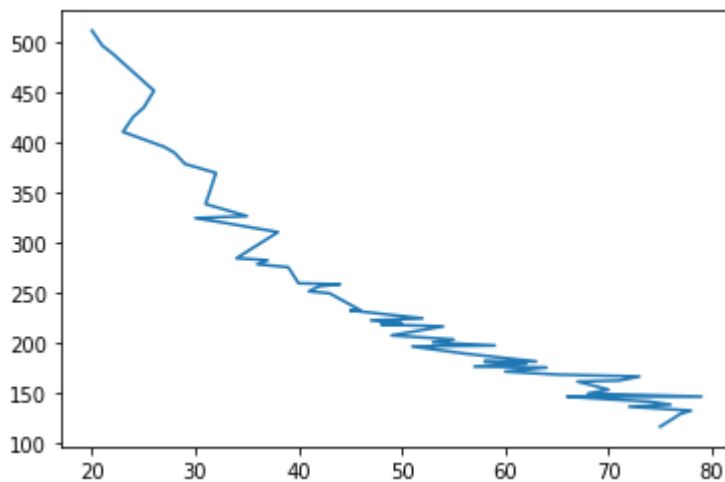
	User_ID	Calories	Age	Height	Weight	Duration	Heart_Rate	Body_Temp
count	1.500000e+04	15000.000000	15000.000000	15000.000000	15000.000000	15000.000000	15000.000000	15000.000000
mean	1.497736e+07	89.539533	42.789800	174.465133	74.966867	15.530600	95.518533	40.025453
std	2.872851e+06	62.456978	16.980264	14.258114	15.035657	8.319203	9.583328	0.779230
min	1.000116e+07	1.000000	20.000000	123.000000	36.000000	1.000000	67.000000	37.100000
25%	1.247419e+07	35.000000	28.000000	164.000000	63.000000	8.000000	88.000000	39.600000
50%	1.499728e+07	79.000000	39.000000	175.000000	74.000000	16.000000	96.000000	40.200000
75%	1.744928e+07	138.000000	56.000000	185.000000	87.000000	23.000000	103.000000	40.600000
max	1.999965e+07	314.000000	79.000000	222.000000	132.000000	30.000000	128.000000	41.500000

```
In [13]: dataset.corr()
```

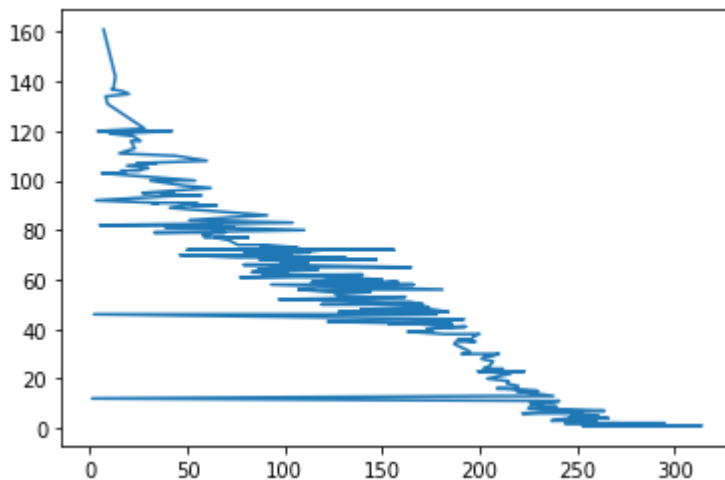
Out[13]:

	User_ID	Calories	Age	Height	Weight	Duration	Heart_Rate	Body_Temp
User_ID	1.000000	-0.001661	-0.001827	-0.013520	-0.011603	-0.002751	-0.000457	0.000923
Calories	-0.001661	1.000000	0.154395	0.017537	0.035481	0.955421	0.897882	0.824558
Age	-0.001827	0.154395	1.000000	0.009554	0.090094	0.013247	0.010482	0.013175
Height	-0.013520	0.017537	0.009554	1.000000	0.958451	-0.004625	0.000528	0.001200
Weight	-0.011603	0.035481	0.090094	0.958451	1.000000	-0.001884	0.004311	0.004095
Duration	-0.002751	0.955421	0.013247	-0.004625	-0.001884	1.000000	0.852869	0.903167
Heart_Rate	-0.000457	0.897882	0.010482	0.000528	0.004311	0.852869	1.000000	0.771529
Body_Temp	0.000923	0.824558	0.013175	0.001200	0.004095	0.903167	0.771529	1.000000

```
In [14]: dataset['Age'].value_counts().plot(kind='line')
plt.show()
```

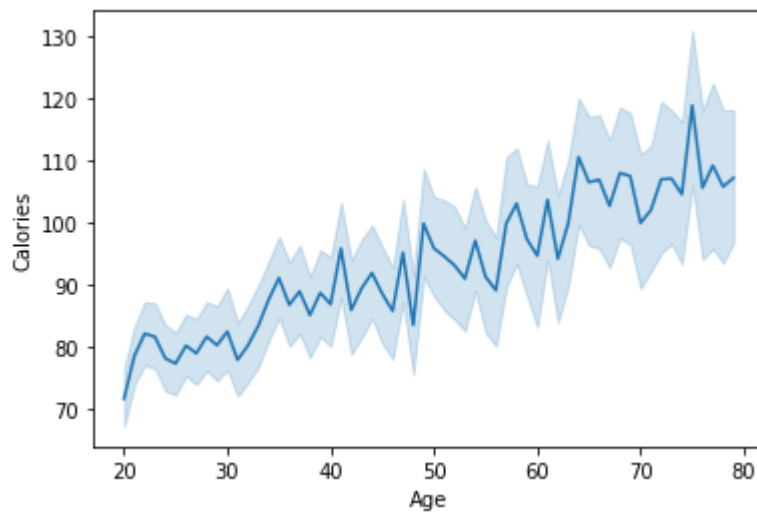


```
In [15]: dataset['Calories'].value_counts().plot(kind='line')
plt.show()
```



```
In [16]: # dataset['Calories'] = dataset['Calories'].astype('int64')
```

```
In [17]: sns.lineplot(dataset['Age'], dataset['Calories'])
plt.show()
```

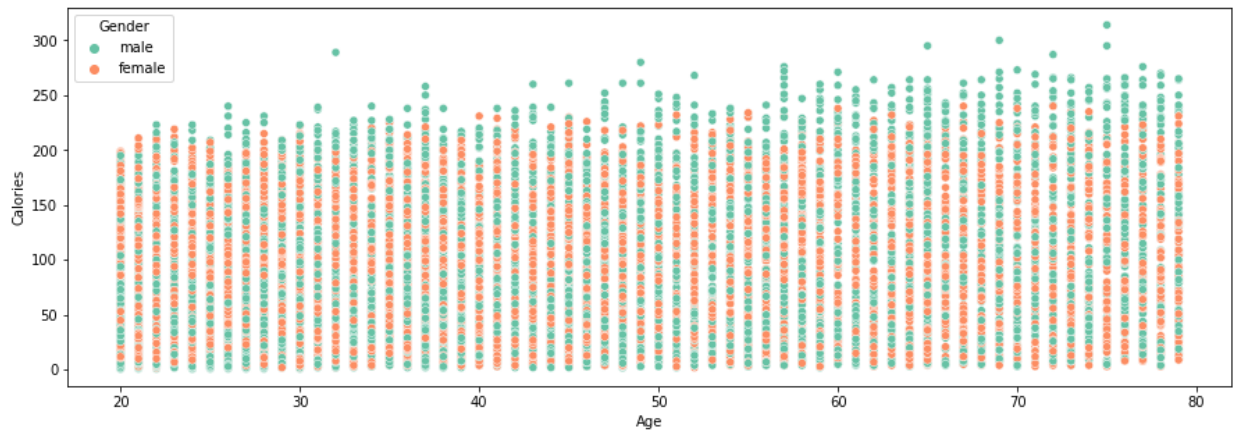


```
In [18]: dataset['Gender'].value_counts()
```

```
Out[18]: female    7553
         male      7447
         Name: Gender, dtype: int64
```

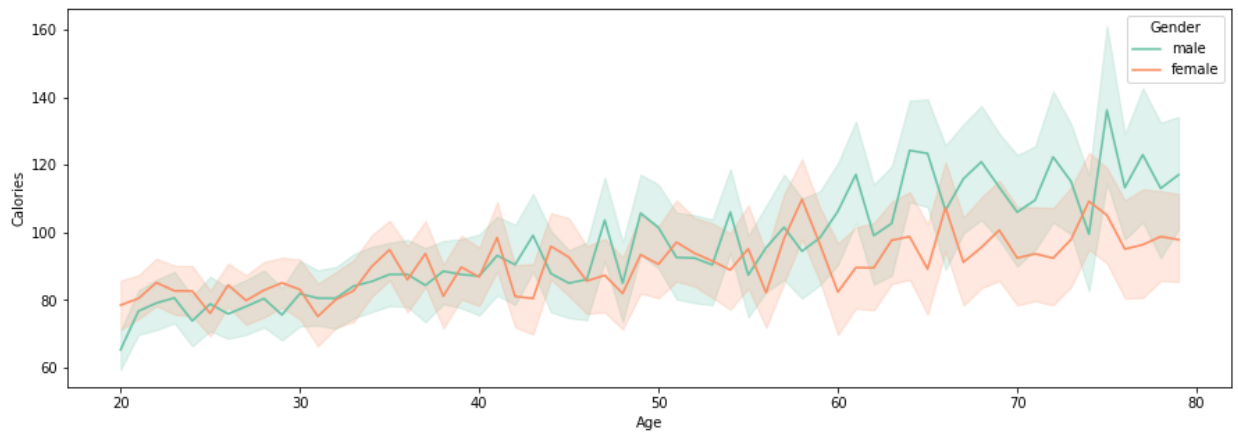
```
In [19]: plt.figure(figsize=(15,5))
```

```
sns.scatterplot(dataset['Age'], dataset['Calories'], hue=dataset['Gender'], palette='magma')
plt.show()
```



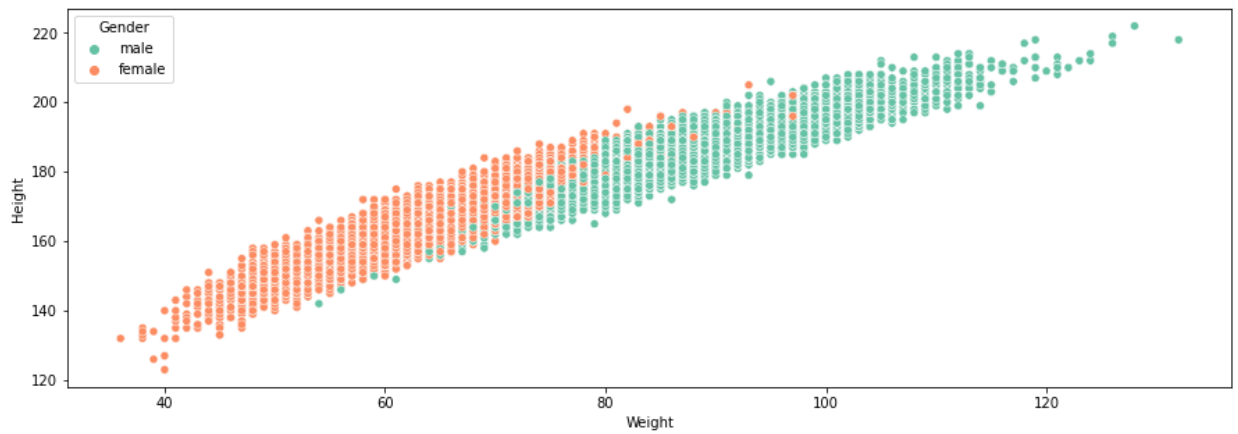
```
In [20]: plt.figure(figsize=(15,5))
```

```
sns.lineplot(dataset['Age'], dataset['Calories'], hue=dataset['Gender'], palette='magma')
plt.show()
```



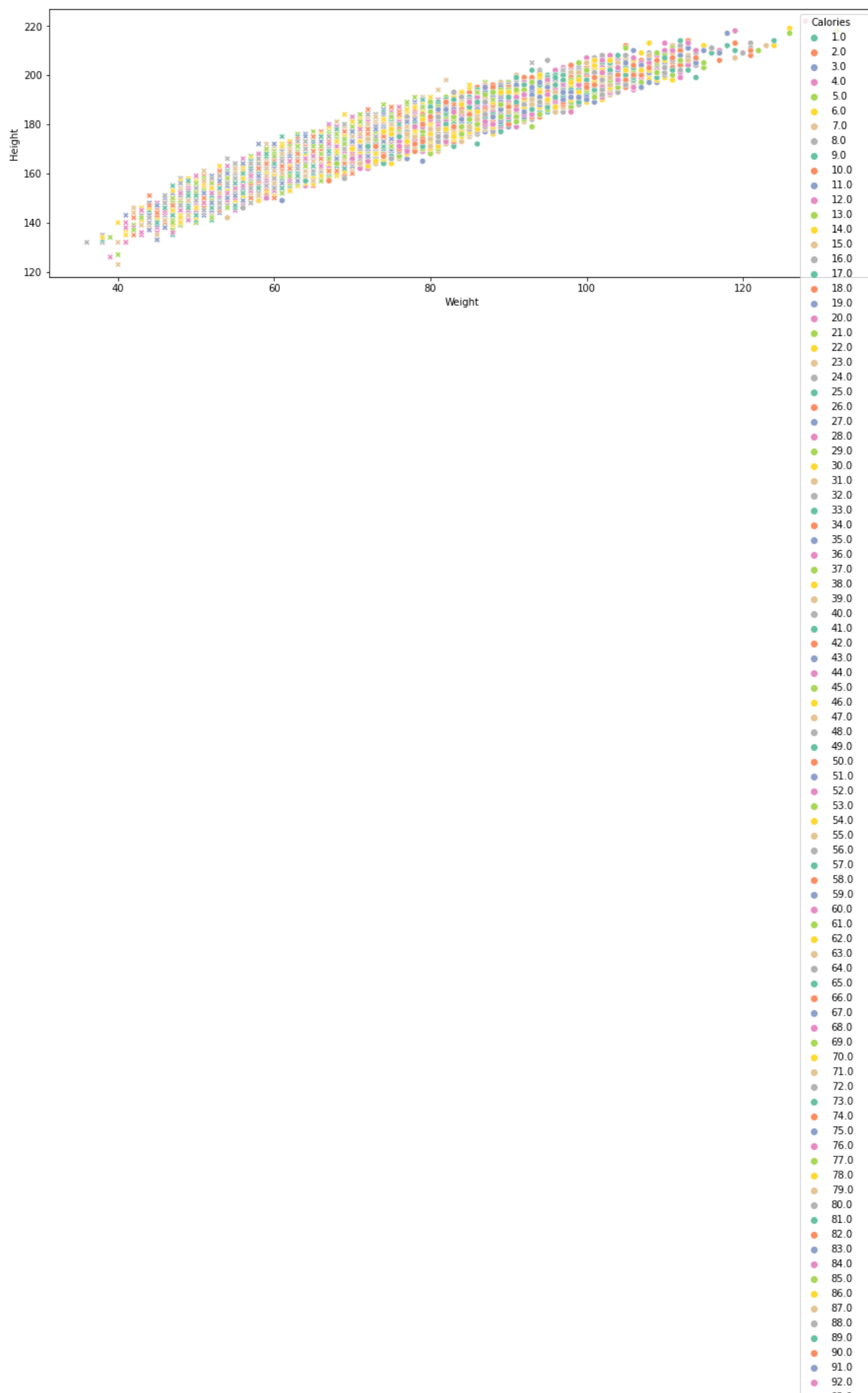
```
In [21]: plt.figure(figsize=(15,5))

sns.scatterplot(dataset['Weight'], dataset['Height'], hue=dataset['Gender'], palette='magma',
plt.show()
```



```
In [22]: plt.figure(figsize=(15,5))

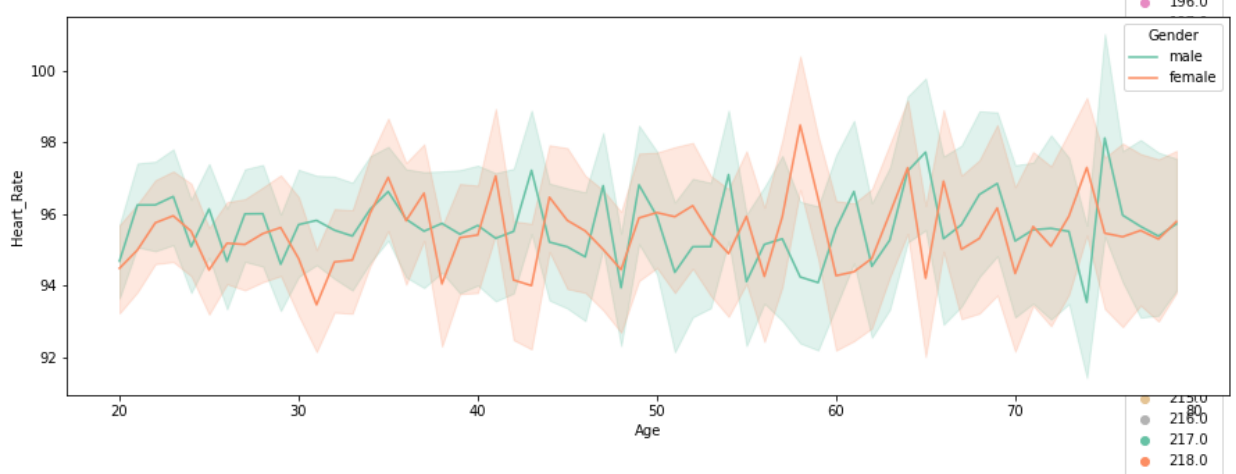
sns.scatterplot(dataset['Weight'], dataset['Height'], hue=dataset['Calories'],
plt.show()
```



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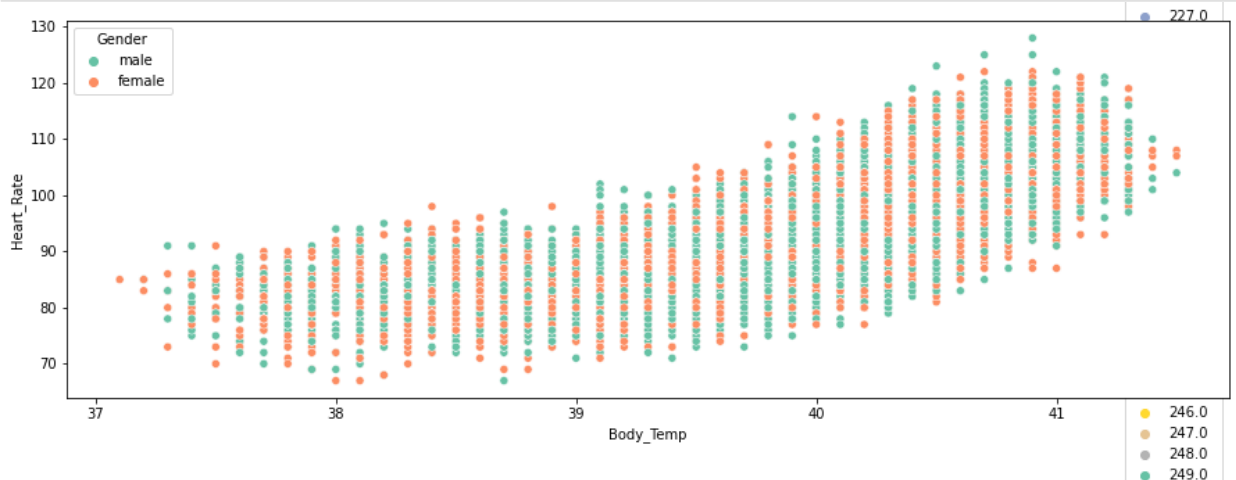

```
In [23]: plt.figure(figsize=(15,5))

sns.lineplot(dataset['Age'], dataset['Heart_Rate'], hue=dataset['Gender'], palette='magma',
plt.show()
```



```
In [24]: plt.figure(figsize=(15,5))

sns.scatterplot(dataset['Body_Temp'], dataset['Heart_Rate'], hue=dataset['Gender'], palette='magma',
plt.show()
```



```
In [38]: X = dataset.drop('Calories',axis=1)
y = dataset['Calories']
```

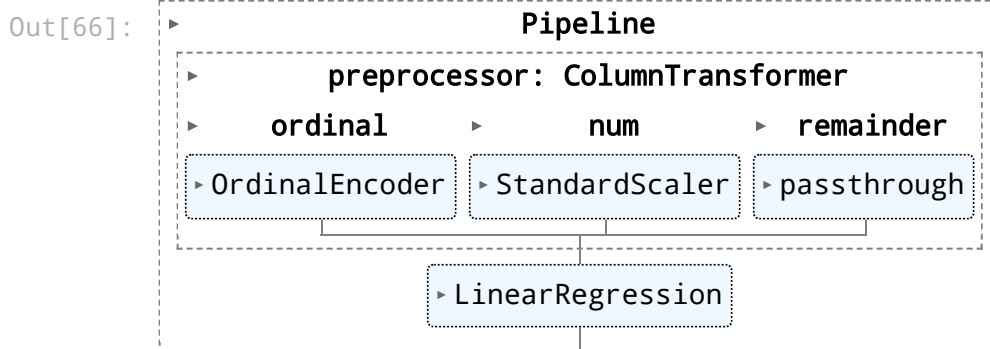
```
In [39]: X_train,X_test, y_train,y_test = train_test_split(X,y,test_size=0.20,random_state=42)
```

```
In [48]: preprocessor = ColumnTransformer(transformers=[
    ('ordinal',OrdinalEncoder(),['Gender']),
    ('num',StandardScaler(),['Age',
        'Height',
        'Weight',
        'Duration',
        'Heart_Rate',
        'Body_Temp']),
],remainder='passthrough')
```

```
In [64]: pipeline = Pipeline([('preprocessor',preprocessor),
    ('model',LinearRegression())
])
```

```
In [65]: # pipeline = Pipeline([('preprocessor',preprocessor),
#                               ('lr',LinearRegression()),
#                               ('svr',SVR()),
#                               ('rf',RandomForestRegressor()),
#                               ('gr',GradientBoostingRegressor()),
#                               ('xg',XGBRFRegressor()),
#                               ('ct',CatBoostRegressor()),
#                               ('lgm',LGBMRegressor())
#                               ])
```

```
In [66]: pipeline.fit(X_train,y_train)
```



```
In [67]: y_pred = pipeline.predict(X_test)
```

```
In [68]: r2_score(y_test,y_pred)
```

```
Out[68]: 0.9672937151257295
```

```
In [70]: kfold = KFold(n_splits=5, shuffle=True, random_state=42)
```

```
In [71]: cv_results = cross_val_score(pipeline, X, y, cv=kfold, scoring='r2')
```

```
In [72]: cv_results.mean()
```

```
Out[72]: 0.9671402283675841
```

```
In [74]: mean_absolute_error(y_test,y_pred)
```

```
Out[74]: 8.441513553849704
```

```
In [75]: def model_scorer(model_name,model):

    output=[]

    output.append(model_name)

    pipeline = Pipeline([
        ('preprocessor',preprocessor),
        ('model',model)])

    X_train,X_test,y_train,y_test = train_test_split(X,y,test_size=0.20,random_
    pipeline.fit(X_train,y_train)
```

```
y_pred = pipeline.predict(X_test)

output.append(r2_score(y_test,y_pred))
output.append(mean_absolute_error(y_test,y_pred))

kfold = KFold(n_splits=5, shuffle=True, random_state=42)
cv_results = cross_val_score(pipeline, X, y, cv=kfold, scoring='r2')
output.append(cv_results.mean())

return output
```

```
In [76]: model_dict={
    'lr':LinearRegression(),
    'svr':SVR(),
    'rf':RandomForestRegressor(),
    'gr':GradientBoostingRegressor(),
    'xg':XGBRFRegressor(),
    'ct':CatBoostRegressor(),
    'lgm':LGBMRegressor(),
}
```

```
In [77]: model_output=[]
    for model_name,model in model_dict.items():
        model_output.append(model_scorer(model_name,model))
```

Learning rate set to 0.06063

0:	learn: 58.7160134	total: 223ms	remaining: 3m 42s
1:	learn: 55.5512682	total: 233ms	remaining: 1m 56s
2:	learn: 52.4990118	total: 246ms	remaining: 1m 21s
3:	learn: 49.6636889	total: 255ms	remaining: 1m 3s
4:	learn: 47.0242496	total: 264ms	remaining: 52.6s
5:	learn: 44.4686805	total: 273ms	remaining: 45.2s
6:	learn: 42.0643212	total: 283ms	remaining: 40.1s
7:	learn: 39.9446197	total: 291ms	remaining: 36.1s
8:	learn: 37.8569921	total: 298ms	remaining: 32.8s
9:	learn: 35.9135831	total: 305ms	remaining: 30.2s
10:	learn: 34.0833212	total: 312ms	remaining: 28s
11:	learn: 32.3347110	total: 319ms	remaining: 26.3s
12:	learn: 30.6783354	total: 324ms	remaining: 24.6s
13:	learn: 29.1079668	total: 330ms	remaining: 23.2s
14:	learn: 27.6000000	total: 337ms	remaining: 22.2s
15:	learn: 26.2237454	total: 345ms	remaining: 21.2s
16:	learn: 24.8886477	total: 352ms	remaining: 20.4s
17:	learn: 23.6798067	total: 360ms	remaining: 19.7s
18:	learn: 22.5333171	total: 369ms	remaining: 19s
19:	learn: 21.4789344	total: 377ms	remaining: 18.4s
20:	learn: 20.4281328	total: 385ms	remaining: 17.9s
21:	learn: 19.4390787	total: 392ms	remaining: 17.4s
22:	learn: 18.5411294	total: 399ms	remaining: 16.9s
23:	learn: 17.6651622	total: 406ms	remaining: 16.5s
24:	learn: 16.8727163	total: 413ms	remaining: 16.1s
25:	learn: 16.0752787	total: 421ms	remaining: 15.8s
26:	learn: 15.3666499	total: 425ms	remaining: 15.3s
27:	learn: 14.6654703	total: 430ms	remaining: 14.9s
28:	learn: 14.0213740	total: 434ms	remaining: 14.5s
29:	learn: 13.3919967	total: 440ms	remaining: 14.2s
30:	learn: 12.8400804	total: 447ms	remaining: 14s
31:	learn: 12.2869378	total: 453ms	remaining: 13.7s
32:	learn: 11.7650529	total: 460ms	remaining: 13.5s
33:	learn: 11.2907702	total: 465ms	remaining: 13.2s
34:	learn: 10.8183661	total: 472ms	remaining: 13s
35:	learn: 10.3804941	total: 479ms	remaining: 12.8s
36:	learn: 9.9746750	total: 486ms	remaining: 12.6s
37:	learn: 9.6051686	total: 493ms	remaining: 12.5s
38:	learn: 9.2629062	total: 500ms	remaining: 12.3s
39:	learn: 8.9177946	total: 508ms	remaining: 12.2s
40:	learn: 8.6141650	total: 515ms	remaining: 12.1s
41:	learn: 8.3163797	total: 523ms	remaining: 11.9s
42:	learn: 8.0537288	total: 530ms	remaining: 11.8s
43:	learn: 7.7828145	total: 536ms	remaining: 11.6s
44:	learn: 7.5181207	total: 542ms	remaining: 11.5s
45:	learn: 7.2632270	total: 550ms	remaining: 11.4s
46:	learn: 7.0412195	total: 556ms	remaining: 11.3s
47:	learn: 6.8235280	total: 564ms	remaining: 11.2s
48:	learn: 6.6113787	total: 570ms	remaining: 11.1s
49:	learn: 6.4232399	total: 577ms	remaining: 11s
50:	learn: 6.2634301	total: 585ms	remaining: 10.9s
51:	learn: 6.0921439	total: 591ms	remaining: 10.8s
52:	learn: 5.9421554	total: 595ms	remaining: 10.6s
53:	learn: 5.7846508	total: 598ms	remaining: 10.5s
54:	learn: 5.6344877	total: 603ms	remaining: 10.4s
55:	learn: 5.4976774	total: 608ms	remaining: 10.2s
56:	learn: 5.3558488	total: 615ms	remaining: 10.2s
57:	learn: 5.2467678	total: 620ms	remaining: 10.1s
58:	learn: 5.1284644	total: 628ms	remaining: 10s

59:	learn: 5.0106032	total: 633ms	remaining: 9.92s
60:	learn: 4.9048539	total: 641ms	remaining: 9.86s
61:	learn: 4.8166938	total: 644ms	remaining: 9.75s
62:	learn: 4.7278247	total: 652ms	remaining: 9.7s
63:	learn: 4.6310864	total: 659ms	remaining: 9.64s
64:	learn: 4.5506103	total: 667ms	remaining: 9.6s
65:	learn: 4.4767666	total: 674ms	remaining: 9.54s
66:	learn: 4.3917352	total: 682ms	remaining: 9.49s
67:	learn: 4.3130800	total: 690ms	remaining: 9.45s
68:	learn: 4.2510798	total: 696ms	remaining: 9.39s
69:	learn: 4.1749868	total: 704ms	remaining: 9.35s
70:	learn: 4.1054392	total: 711ms	remaining: 9.3s
71:	learn: 4.0369585	total: 717ms	remaining: 9.24s
72:	learn: 3.9687027	total: 724ms	remaining: 9.2s
73:	learn: 3.9149146	total: 730ms	remaining: 9.14s
74:	learn: 3.8577456	total: 737ms	remaining: 9.1s
75:	learn: 3.8071554	total: 745ms	remaining: 9.06s
76:	learn: 3.7517522	total: 752ms	remaining: 9.02s
77:	learn: 3.7024358	total: 760ms	remaining: 8.98s
78:	learn: 3.6616262	total: 767ms	remaining: 8.94s
79:	learn: 3.6188559	total: 774ms	remaining: 8.9s
80:	learn: 3.5831971	total: 781ms	remaining: 8.86s
81:	learn: 3.5442688	total: 788ms	remaining: 8.82s
82:	learn: 3.5121364	total: 794ms	remaining: 8.77s
83:	learn: 3.4777052	total: 798ms	remaining: 8.7s
84:	learn: 3.4342460	total: 801ms	remaining: 8.63s
85:	learn: 3.3995614	total: 807ms	remaining: 8.57s
86:	learn: 3.3662335	total: 811ms	remaining: 8.51s
87:	learn: 3.3425012	total: 818ms	remaining: 8.47s
88:	learn: 3.3059212	total: 824ms	remaining: 8.43s
89:	learn: 3.2754672	total: 830ms	remaining: 8.39s
90:	learn: 3.2406037	total: 837ms	remaining: 8.36s
91:	learn: 3.2206531	total: 843ms	remaining: 8.32s
92:	learn: 3.1900832	total: 852ms	remaining: 8.31s
93:	learn: 3.1586921	total: 861ms	remaining: 8.3s
94:	learn: 3.1420182	total: 870ms	remaining: 8.29s
95:	learn: 3.1170000	total: 877ms	remaining: 8.25s
96:	learn: 3.0892299	total: 882ms	remaining: 8.21s
97:	learn: 3.0620017	total: 886ms	remaining: 8.15s
98:	learn: 3.0402843	total: 890ms	remaining: 8.1s
99:	learn: 3.0135876	total: 896ms	remaining: 8.06s
100:	learn: 2.9963856	total: 905ms	remaining: 8.05s
101:	learn: 2.9716650	total: 912ms	remaining: 8.03s
102:	learn: 2.9521722	total: 922ms	remaining: 8.03s
103:	learn: 2.9305211	total: 928ms	remaining: 7.99s
104:	learn: 2.9104734	total: 936ms	remaining: 7.98s
105:	learn: 2.8901674	total: 944ms	remaining: 7.96s
106:	learn: 2.8739339	total: 948ms	remaining: 7.92s
107:	learn: 2.8514659	total: 956ms	remaining: 7.9s
108:	learn: 2.8253571	total: 962ms	remaining: 7.87s
109:	learn: 2.8010766	total: 971ms	remaining: 7.86s
110:	learn: 2.7723885	total: 979ms	remaining: 7.84s
111:	learn: 2.7598871	total: 988ms	remaining: 7.84s
112:	learn: 2.7483395	total: 999ms	remaining: 7.84s
113:	learn: 2.7249489	total: 1s	remaining: 7.8s
114:	learn: 2.7049220	total: 1.01s	remaining: 7.75s
115:	learn: 2.6874606	total: 1.01s	remaining: 7.72s
116:	learn: 2.6646008	total: 1.02s	remaining: 7.68s
117:	learn: 2.6519026	total: 1.02s	remaining: 7.65s
118:	learn: 2.6310250	total: 1.03s	remaining: 7.61s

119:	learn: 2.6083258	total: 1.03s	remaining: 7.58s
120:	learn: 2.5928930	total: 1.04s	remaining: 7.54s
121:	learn: 2.5765415	total: 1.04s	remaining: 7.51s
122:	learn: 2.5598801	total: 1.05s	remaining: 7.48s
123:	learn: 2.5500112	total: 1.06s	remaining: 7.46s
124:	learn: 2.5307362	total: 1.06s	remaining: 7.45s
125:	learn: 2.5180833	total: 1.07s	remaining: 7.43s
126:	learn: 2.5008783	total: 1.07s	remaining: 7.39s
127:	learn: 2.4926866	total: 1.08s	remaining: 7.38s
128:	learn: 2.4729014	total: 1.09s	remaining: 7.37s
129:	learn: 2.4575206	total: 1.1s	remaining: 7.36s
130:	learn: 2.4431671	total: 1.11s	remaining: 7.34s
131:	learn: 2.4245323	total: 1.12s	remaining: 7.34s
132:	learn: 2.4076634	total: 1.12s	remaining: 7.32s
133:	learn: 2.3944522	total: 1.13s	remaining: 7.32s
134:	learn: 2.3776395	total: 1.14s	remaining: 7.31s
135:	learn: 2.3617656	total: 1.15s	remaining: 7.31s
136:	learn: 2.3522887	total: 1.16s	remaining: 7.3s
137:	learn: 2.3360299	total: 1.17s	remaining: 7.29s
138:	learn: 2.3223736	total: 1.18s	remaining: 7.28s
139:	learn: 2.3066175	total: 1.18s	remaining: 7.27s
140:	learn: 2.2937362	total: 1.19s	remaining: 7.25s
141:	learn: 2.2843168	total: 1.2s	remaining: 7.24s
142:	learn: 2.2716098	total: 1.21s	remaining: 7.24s
143:	learn: 2.2583706	total: 1.21s	remaining: 7.22s
144:	learn: 2.2427068	total: 1.22s	remaining: 7.2s
145:	learn: 2.2304341	total: 1.22s	remaining: 7.16s
146:	learn: 2.2159654	total: 1.23s	remaining: 7.13s
147:	learn: 2.2015343	total: 1.23s	remaining: 7.11s
148:	learn: 2.1921993	total: 1.24s	remaining: 7.09s
149:	learn: 2.1800927	total: 1.25s	remaining: 7.07s
150:	learn: 2.1689359	total: 1.25s	remaining: 7.05s
151:	learn: 2.1558460	total: 1.26s	remaining: 7.03s
152:	learn: 2.1408001	total: 1.27s	remaining: 7.01s
153:	learn: 2.1304395	total: 1.27s	remaining: 7s
154:	learn: 2.1197216	total: 1.28s	remaining: 6.99s
155:	learn: 2.1103714	total: 1.29s	remaining: 6.96s
156:	learn: 2.0959990	total: 1.29s	remaining: 6.95s
157:	learn: 2.0882711	total: 1.3s	remaining: 6.93s
158:	learn: 2.0763861	total: 1.3s	remaining: 6.9s
159:	learn: 2.0618360	total: 1.31s	remaining: 6.89s
160:	learn: 2.0542501	total: 1.32s	remaining: 6.87s
161:	learn: 2.0450804	total: 1.33s	remaining: 6.86s
162:	learn: 2.0348069	total: 1.33s	remaining: 6.85s
163:	learn: 2.0263228	total: 1.34s	remaining: 6.82s
164:	learn: 2.0169779	total: 1.34s	remaining: 6.81s
165:	learn: 2.0056530	total: 1.35s	remaining: 6.8s
166:	learn: 1.9977477	total: 1.36s	remaining: 6.79s
167:	learn: 1.9899212	total: 1.37s	remaining: 6.77s
168:	learn: 1.9829062	total: 1.38s	remaining: 6.76s
169:	learn: 1.9754362	total: 1.38s	remaining: 6.75s
170:	learn: 1.9661142	total: 1.39s	remaining: 6.72s
171:	learn: 1.9557492	total: 1.4s	remaining: 6.72s
172:	learn: 1.9499227	total: 1.41s	remaining: 6.72s
173:	learn: 1.9404723	total: 1.41s	remaining: 6.69s
174:	learn: 1.9283404	total: 1.41s	remaining: 6.66s
175:	learn: 1.9209172	total: 1.42s	remaining: 6.63s
176:	learn: 1.9124647	total: 1.42s	remaining: 6.6s
177:	learn: 1.9035818	total: 1.42s	remaining: 6.57s
178:	learn: 1.8973120	total: 1.43s	remaining: 6.55s

179:	learn: 1.8804128	total: 1.43s	remaining: 6.53s
180:	learn: 1.8705787	total: 1.44s	remaining: 6.53s
181:	learn: 1.8618748	total: 1.45s	remaining: 6.51s
182:	learn: 1.8548254	total: 1.45s	remaining: 6.49s
183:	learn: 1.8457603	total: 1.46s	remaining: 6.48s
184:	learn: 1.8398968	total: 1.47s	remaining: 6.47s
185:	learn: 1.8314351	total: 1.47s	remaining: 6.45s
186:	learn: 1.8268203	total: 1.48s	remaining: 6.43s
187:	learn: 1.8167918	total: 1.49s	remaining: 6.42s
188:	learn: 1.8085787	total: 1.49s	remaining: 6.4s
189:	learn: 1.8026340	total: 1.5s	remaining: 6.38s
190:	learn: 1.7959334	total: 1.5s	remaining: 6.37s
191:	learn: 1.7896767	total: 1.51s	remaining: 6.36s
192:	learn: 1.7824880	total: 1.51s	remaining: 6.34s
193:	learn: 1.7776852	total: 1.52s	remaining: 6.33s
194:	learn: 1.7711510	total: 1.53s	remaining: 6.32s
195:	learn: 1.7646976	total: 1.53s	remaining: 6.29s
196:	learn: 1.7580513	total: 1.54s	remaining: 6.28s
197:	learn: 1.7508152	total: 1.55s	remaining: 6.27s
198:	learn: 1.7448998	total: 1.55s	remaining: 6.25s
199:	learn: 1.7354638	total: 1.56s	remaining: 6.24s
200:	learn: 1.7290903	total: 1.57s	remaining: 6.23s
201:	learn: 1.7241090	total: 1.57s	remaining: 6.21s
202:	learn: 1.7170743	total: 1.58s	remaining: 6.2s
203:	learn: 1.7049277	total: 1.59s	remaining: 6.19s
204:	learn: 1.6920267	total: 1.59s	remaining: 6.18s
205:	learn: 1.6877788	total: 1.6s	remaining: 6.17s
206:	learn: 1.6820254	total: 1.61s	remaining: 6.16s
207:	learn: 1.6767318	total: 1.61s	remaining: 6.15s
208:	learn: 1.6700683	total: 1.62s	remaining: 6.13s
209:	learn: 1.6638757	total: 1.62s	remaining: 6.1s
210:	learn: 1.6588745	total: 1.63s	remaining: 6.08s
211:	learn: 1.6513747	total: 1.63s	remaining: 6.07s
212:	learn: 1.6470131	total: 1.64s	remaining: 6.05s
213:	learn: 1.6385030	total: 1.64s	remaining: 6.03s
214:	learn: 1.6331022	total: 1.65s	remaining: 6.02s
215:	learn: 1.6236699	total: 1.66s	remaining: 6.01s
216:	learn: 1.6171013	total: 1.66s	remaining: 6s
217:	learn: 1.6120413	total: 1.67s	remaining: 5.98s
218:	learn: 1.6058425	total: 1.67s	remaining: 5.97s
219:	learn: 1.5995349	total: 1.68s	remaining: 5.96s
220:	learn: 1.5940801	total: 1.69s	remaining: 5.95s
221:	learn: 1.5854471	total: 1.69s	remaining: 5.93s
222:	learn: 1.5799571	total: 1.7s	remaining: 5.92s
223:	learn: 1.5756328	total: 1.71s	remaining: 5.91s
224:	learn: 1.5721884	total: 1.71s	remaining: 5.9s
225:	learn: 1.5624310	total: 1.72s	remaining: 5.89s
226:	learn: 1.5568504	total: 1.73s	remaining: 5.88s
227:	learn: 1.5503967	total: 1.73s	remaining: 5.87s
228:	learn: 1.5422120	total: 1.74s	remaining: 5.86s
229:	learn: 1.5373900	total: 1.75s	remaining: 5.86s
230:	learn: 1.5323328	total: 1.75s	remaining: 5.84s
231:	learn: 1.5285817	total: 1.76s	remaining: 5.83s
232:	learn: 1.5205164	total: 1.77s	remaining: 5.83s
233:	learn: 1.5133751	total: 1.78s	remaining: 5.82s
234:	learn: 1.5087417	total: 1.78s	remaining: 5.81s
235:	learn: 1.5036425	total: 1.79s	remaining: 5.8s
236:	learn: 1.5003469	total: 1.8s	remaining: 5.79s
237:	learn: 1.4957166	total: 1.81s	remaining: 5.78s
238:	learn: 1.4911895	total: 1.81s	remaining: 5.78s

239:	learn: 1.4849834	total: 1.82s	remaining: 5.76s
240:	learn: 1.4794109	total: 1.82s	remaining: 5.74s
241:	learn: 1.4697021	total: 1.83s	remaining: 5.72s
242:	learn: 1.4657085	total: 1.83s	remaining: 5.7s
243:	learn: 1.4620202	total: 1.84s	remaining: 5.69s
244:	learn: 1.4558305	total: 1.84s	remaining: 5.68s
245:	learn: 1.4521698	total: 1.85s	remaining: 5.66s
246:	learn: 1.4456220	total: 1.85s	remaining: 5.65s
247:	learn: 1.4404818	total: 1.86s	remaining: 5.64s
248:	learn: 1.4365325	total: 1.86s	remaining: 5.63s
249:	learn: 1.4300972	total: 1.87s	remaining: 5.62s
250:	learn: 1.4269114	total: 1.88s	remaining: 5.61s
251:	learn: 1.4228442	total: 1.89s	remaining: 5.6s
252:	learn: 1.4185719	total: 1.89s	remaining: 5.59s
253:	learn: 1.4120856	total: 1.9s	remaining: 5.58s
254:	learn: 1.4059249	total: 1.91s	remaining: 5.57s
255:	learn: 1.4033176	total: 1.92s	remaining: 5.57s
256:	learn: 1.3975330	total: 1.92s	remaining: 5.56s
257:	learn: 1.3922250	total: 1.93s	remaining: 5.55s
258:	learn: 1.3863204	total: 1.94s	remaining: 5.54s
259:	learn: 1.3820111	total: 1.94s	remaining: 5.53s
260:	learn: 1.3782210	total: 1.95s	remaining: 5.52s
261:	learn: 1.3758489	total: 1.96s	remaining: 5.52s
262:	learn: 1.3721183	total: 1.97s	remaining: 5.51s
263:	learn: 1.3678959	total: 1.97s	remaining: 5.5s
264:	learn: 1.3637629	total: 1.98s	remaining: 5.49s
265:	learn: 1.3605049	total: 1.99s	remaining: 5.48s
266:	learn: 1.3578666	total: 1.99s	remaining: 5.47s
267:	learn: 1.3536671	total: 2s	remaining: 5.46s
268:	learn: 1.3499068	total: 2.01s	remaining: 5.46s
269:	learn: 1.3452997	total: 2.02s	remaining: 5.45s
270:	learn: 1.3419421	total: 2.02s	remaining: 5.44s
271:	learn: 1.3351838	total: 2.02s	remaining: 5.42s
272:	learn: 1.3317986	total: 2.03s	remaining: 5.4s
273:	learn: 1.3292102	total: 2.03s	remaining: 5.38s
274:	learn: 1.3227034	total: 2.04s	remaining: 5.37s
275:	learn: 1.3192455	total: 2.04s	remaining: 5.37s
276:	learn: 1.3159019	total: 2.05s	remaining: 5.35s
277:	learn: 1.3143033	total: 2.06s	remaining: 5.34s
278:	learn: 1.3083247	total: 2.06s	remaining: 5.34s
279:	learn: 1.3031081	total: 2.07s	remaining: 5.33s
280:	learn: 1.2971920	total: 2.08s	remaining: 5.32s
281:	learn: 1.2943686	total: 2.08s	remaining: 5.31s
282:	learn: 1.2903429	total: 2.09s	remaining: 5.3s
283:	learn: 1.2875994	total: 2.1s	remaining: 5.29s
284:	learn: 1.2844539	total: 2.1s	remaining: 5.28s
285:	learn: 1.2817440	total: 2.11s	remaining: 5.27s
286:	learn: 1.2777277	total: 2.12s	remaining: 5.26s
287:	learn: 1.2749407	total: 2.13s	remaining: 5.26s
288:	learn: 1.2711173	total: 2.13s	remaining: 5.25s
289:	learn: 1.2676340	total: 2.14s	remaining: 5.24s
290:	learn: 1.2628646	total: 2.15s	remaining: 5.23s
291:	learn: 1.2579327	total: 2.15s	remaining: 5.22s
292:	learn: 1.2533410	total: 2.16s	remaining: 5.21s
293:	learn: 1.2503872	total: 2.17s	remaining: 5.21s
294:	learn: 1.2464108	total: 2.18s	remaining: 5.2s
295:	learn: 1.2409326	total: 2.19s	remaining: 5.2s
296:	learn: 1.2348389	total: 2.19s	remaining: 5.19s
297:	learn: 1.2325920	total: 2.2s	remaining: 5.18s
298:	learn: 1.2297919	total: 2.21s	remaining: 5.17s

299:	learn: 1.2269277	total: 2.21s	remaining: 5.16s
300:	learn: 1.2242416	total: 2.22s	remaining: 5.16s
301:	learn: 1.2206190	total: 2.23s	remaining: 5.15s
302:	learn: 1.2173792	total: 2.23s	remaining: 5.13s
303:	learn: 1.2154222	total: 2.23s	remaining: 5.12s
304:	learn: 1.2135161	total: 2.24s	remaining: 5.1s
305:	learn: 1.2100318	total: 2.24s	remaining: 5.09s
306:	learn: 1.2055390	total: 2.25s	remaining: 5.08s
307:	learn: 1.2025866	total: 2.25s	remaining: 5.07s
308:	learn: 1.1990095	total: 2.26s	remaining: 5.06s
309:	learn: 1.1961976	total: 2.27s	remaining: 5.05s
310:	learn: 1.1911452	total: 2.27s	remaining: 5.04s
311:	learn: 1.1887877	total: 2.28s	remaining: 5.03s
312:	learn: 1.1871821	total: 2.29s	remaining: 5.02s
313:	learn: 1.1848719	total: 2.29s	remaining: 5.01s
314:	learn: 1.1825926	total: 2.3s	remaining: 5s
315:	learn: 1.1800186	total: 2.31s	remaining: 4.99s
316:	learn: 1.1771353	total: 2.31s	remaining: 4.99s
317:	learn: 1.1747760	total: 2.32s	remaining: 4.97s
318:	learn: 1.1727086	total: 2.33s	remaining: 4.97s
319:	learn: 1.1698045	total: 2.33s	remaining: 4.96s
320:	learn: 1.1664242	total: 2.34s	remaining: 4.95s
321:	learn: 1.1636904	total: 2.35s	remaining: 4.94s
322:	learn: 1.1610694	total: 2.35s	remaining: 4.93s
323:	learn: 1.1575526	total: 2.36s	remaining: 4.93s
324:	learn: 1.1548931	total: 2.37s	remaining: 4.92s
325:	learn: 1.1512546	total: 2.38s	remaining: 4.91s
326:	learn: 1.1481857	total: 2.38s	remaining: 4.91s
327:	learn: 1.1456069	total: 2.39s	remaining: 4.9s
328:	learn: 1.1421777	total: 2.4s	remaining: 4.89s
329:	learn: 1.1399786	total: 2.4s	remaining: 4.88s
330:	learn: 1.1380141	total: 2.41s	remaining: 4.88s
331:	learn: 1.1357206	total: 2.42s	remaining: 4.86s
332:	learn: 1.1320908	total: 2.42s	remaining: 4.85s
333:	learn: 1.1282086	total: 2.42s	remaining: 4.83s
334:	learn: 1.1254022	total: 2.43s	remaining: 4.82s
335:	learn: 1.1215592	total: 2.43s	remaining: 4.81s
336:	learn: 1.1189794	total: 2.44s	remaining: 4.8s
337:	learn: 1.1167413	total: 2.44s	remaining: 4.79s
338:	learn: 1.1132016	total: 2.45s	remaining: 4.78s
339:	learn: 1.1113297	total: 2.46s	remaining: 4.77s
340:	learn: 1.1077582	total: 2.46s	remaining: 4.76s
341:	learn: 1.1059763	total: 2.47s	remaining: 4.75s
342:	learn: 1.1028891	total: 2.48s	remaining: 4.75s
343:	learn: 1.0986959	total: 2.48s	remaining: 4.74s
344:	learn: 1.0965308	total: 2.49s	remaining: 4.73s
345:	learn: 1.0940507	total: 2.5s	remaining: 4.72s
346:	learn: 1.0903155	total: 2.51s	remaining: 4.72s
347:	learn: 1.0883584	total: 2.51s	remaining: 4.71s
348:	learn: 1.0872559	total: 2.52s	remaining: 4.7s
349:	learn: 1.0851927	total: 2.53s	remaining: 4.69s
350:	learn: 1.0836803	total: 2.53s	remaining: 4.68s
351:	learn: 1.0821751	total: 2.54s	remaining: 4.67s
352:	learn: 1.0781489	total: 2.55s	remaining: 4.67s
353:	learn: 1.0758500	total: 2.55s	remaining: 4.66s
354:	learn: 1.0737878	total: 2.56s	remaining: 4.65s
355:	learn: 1.0708764	total: 2.57s	remaining: 4.64s
356:	learn: 1.0671657	total: 2.57s	remaining: 4.64s
357:	learn: 1.0638675	total: 2.58s	remaining: 4.63s
358:	learn: 1.0610911	total: 2.59s	remaining: 4.62s

359:	learn: 1.0594841	total: 2.6s	remaining: 4.61s
360:	learn: 1.0580371	total: 2.6s	remaining: 4.61s
361:	learn: 1.0562979	total: 2.61s	remaining: 4.6s
362:	learn: 1.0544779	total: 2.61s	remaining: 4.58s
363:	learn: 1.0514192	total: 2.62s	remaining: 4.57s
364:	learn: 1.0481245	total: 2.62s	remaining: 4.55s
365:	learn: 1.0468033	total: 2.62s	remaining: 4.54s
366:	learn: 1.0450603	total: 2.63s	remaining: 4.53s
367:	learn: 1.0433764	total: 2.63s	remaining: 4.52s
368:	learn: 1.0418094	total: 2.64s	remaining: 4.51s
369:	learn: 1.0401161	total: 2.65s	remaining: 4.51s
370:	learn: 1.0377286	total: 2.65s	remaining: 4.5s
371:	learn: 1.0357861	total: 2.66s	remaining: 4.5s
372:	learn: 1.0344354	total: 2.67s	remaining: 4.49s
373:	learn: 1.0314240	total: 2.68s	remaining: 4.48s
374:	learn: 1.0298366	total: 2.69s	remaining: 4.48s
375:	learn: 1.0277772	total: 2.69s	remaining: 4.47s
376:	learn: 1.0253598	total: 2.7s	remaining: 4.46s
377:	learn: 1.0232980	total: 2.71s	remaining: 4.46s
378:	learn: 1.0209431	total: 2.71s	remaining: 4.45s
379:	learn: 1.0193238	total: 2.72s	remaining: 4.44s
380:	learn: 1.0172076	total: 2.73s	remaining: 4.43s
381:	learn: 1.0153372	total: 2.73s	remaining: 4.42s
382:	learn: 1.0137591	total: 2.74s	remaining: 4.42s
383:	learn: 1.0126174	total: 2.75s	remaining: 4.41s
384:	learn: 1.0096850	total: 2.75s	remaining: 4.4s
385:	learn: 1.0071668	total: 2.76s	remaining: 4.39s
386:	learn: 1.0056726	total: 2.77s	remaining: 4.38s
387:	learn: 1.0046975	total: 2.77s	remaining: 4.38s
388:	learn: 1.0021565	total: 2.78s	remaining: 4.37s
389:	learn: 0.9985263	total: 2.79s	remaining: 4.36s
390:	learn: 0.9964170	total: 2.79s	remaining: 4.35s
391:	learn: 0.9941345	total: 2.8s	remaining: 4.34s
392:	learn: 0.9906131	total: 2.81s	remaining: 4.33s
393:	learn: 0.9877792	total: 2.81s	remaining: 4.32s
394:	learn: 0.9853297	total: 2.81s	remaining: 4.31s
395:	learn: 0.9833100	total: 2.82s	remaining: 4.3s
396:	learn: 0.9802127	total: 2.83s	remaining: 4.29s
397:	learn: 0.9786386	total: 2.83s	remaining: 4.29s
398:	learn: 0.9771595	total: 2.84s	remaining: 4.28s
399:	learn: 0.9748534	total: 2.85s	remaining: 4.27s
400:	learn: 0.9722440	total: 2.85s	remaining: 4.26s
401:	learn: 0.9690153	total: 2.86s	remaining: 4.25s
402:	learn: 0.9665526	total: 2.87s	remaining: 4.25s
403:	learn: 0.9645127	total: 2.87s	remaining: 4.24s
404:	learn: 0.9634782	total: 2.88s	remaining: 4.23s
405:	learn: 0.9628647	total: 2.88s	remaining: 4.22s
406:	learn: 0.9597144	total: 2.89s	remaining: 4.21s
407:	learn: 0.9583319	total: 2.9s	remaining: 4.21s
408:	learn: 0.9568775	total: 2.9s	remaining: 4.2s
409:	learn: 0.9540730	total: 2.91s	remaining: 4.19s
410:	learn: 0.9524053	total: 2.92s	remaining: 4.18s
411:	learn: 0.9500002	total: 2.92s	remaining: 4.17s
412:	learn: 0.9486574	total: 2.93s	remaining: 4.17s
413:	learn: 0.9476387	total: 2.94s	remaining: 4.16s
414:	learn: 0.9451927	total: 2.94s	remaining: 4.15s
415:	learn: 0.9426702	total: 2.95s	remaining: 4.14s
416:	learn: 0.9406503	total: 2.96s	remaining: 4.14s
417:	learn: 0.9393431	total: 2.97s	remaining: 4.13s
418:	learn: 0.9380169	total: 2.97s	remaining: 4.12s

419:	learn: 0.9365147	total: 2.98s	remaining: 4.12s
420:	learn: 0.9349507	total: 2.99s	remaining: 4.11s
421:	learn: 0.9340249	total: 3s	remaining: 4.1s
422:	learn: 0.9331414	total: 3s	remaining: 4.09s
423:	learn: 0.9320748	total: 3s	remaining: 4.08s
424:	learn: 0.9294413	total: 3.01s	remaining: 4.07s
425:	learn: 0.9274650	total: 3.02s	remaining: 4.06s
426:	learn: 0.9254381	total: 3.02s	remaining: 4.05s
427:	learn: 0.9231147	total: 3.02s	remaining: 4.04s
428:	learn: 0.9216994	total: 3.03s	remaining: 4.03s
429:	learn: 0.9194737	total: 3.03s	remaining: 4.02s
430:	learn: 0.9180949	total: 3.04s	remaining: 4.01s
431:	learn: 0.9166622	total: 3.04s	remaining: 3.99s
432:	learn: 0.9154766	total: 3.04s	remaining: 3.98s
433:	learn: 0.9147882	total: 3.04s	remaining: 3.97s
434:	learn: 0.9116089	total: 3.05s	remaining: 3.96s
435:	learn: 0.9093179	total: 3.05s	remaining: 3.95s
436:	learn: 0.9080685	total: 3.06s	remaining: 3.94s
437:	learn: 0.9066622	total: 3.06s	remaining: 3.93s
438:	learn: 0.9045172	total: 3.07s	remaining: 3.92s
439:	learn: 0.9033495	total: 3.08s	remaining: 3.92s
440:	learn: 0.9023419	total: 3.08s	remaining: 3.91s
441:	learn: 0.9010688	total: 3.09s	remaining: 3.9s
442:	learn: 0.8999685	total: 3.1s	remaining: 3.89s
443:	learn: 0.8977538	total: 3.1s	remaining: 3.89s
444:	learn: 0.8964439	total: 3.11s	remaining: 3.88s
445:	learn: 0.8942863	total: 3.12s	remaining: 3.87s
446:	learn: 0.8923759	total: 3.13s	remaining: 3.87s
447:	learn: 0.8899832	total: 3.13s	remaining: 3.86s
448:	learn: 0.8880290	total: 3.14s	remaining: 3.85s
449:	learn: 0.8866916	total: 3.15s	remaining: 3.85s
450:	learn: 0.8855099	total: 3.15s	remaining: 3.84s
451:	learn: 0.8847194	total: 3.16s	remaining: 3.83s
452:	learn: 0.8834620	total: 3.17s	remaining: 3.83s
453:	learn: 0.8811815	total: 3.18s	remaining: 3.82s
454:	learn: 0.8797161	total: 3.18s	remaining: 3.81s
455:	learn: 0.8784802	total: 3.19s	remaining: 3.81s
456:	learn: 0.8764144	total: 3.2s	remaining: 3.8s
457:	learn: 0.8745051	total: 3.2s	remaining: 3.79s
458:	learn: 0.8718212	total: 3.21s	remaining: 3.78s
459:	learn: 0.8705121	total: 3.21s	remaining: 3.77s
460:	learn: 0.8687602	total: 3.21s	remaining: 3.76s
461:	learn: 0.8666769	total: 3.22s	remaining: 3.75s
462:	learn: 0.8655104	total: 3.23s	remaining: 3.74s
463:	learn: 0.8641861	total: 3.23s	remaining: 3.73s
464:	learn: 0.8626902	total: 3.24s	remaining: 3.73s
465:	learn: 0.8606114	total: 3.25s	remaining: 3.72s
466:	learn: 0.8593595	total: 3.25s	remaining: 3.71s
467:	learn: 0.8576762	total: 3.26s	remaining: 3.71s
468:	learn: 0.8564431	total: 3.27s	remaining: 3.7s
469:	learn: 0.8545901	total: 3.27s	remaining: 3.69s
470:	learn: 0.8537817	total: 3.28s	remaining: 3.68s
471:	learn: 0.8520258	total: 3.29s	remaining: 3.68s
472:	learn: 0.8506273	total: 3.29s	remaining: 3.67s
473:	learn: 0.8493037	total: 3.3s	remaining: 3.67s
474:	learn: 0.8481494	total: 3.31s	remaining: 3.66s
475:	learn: 0.8463889	total: 3.32s	remaining: 3.65s
476:	learn: 0.8452845	total: 3.32s	remaining: 3.65s
477:	learn: 0.8437142	total: 3.33s	remaining: 3.64s
478:	learn: 0.8423659	total: 3.34s	remaining: 3.63s

479:	learn: 0.8409305	total: 3.35s	remaining: 3.63s
480:	learn: 0.8397469	total: 3.35s	remaining: 3.62s
481:	learn: 0.8384179	total: 3.36s	remaining: 3.61s
482:	learn: 0.8369821	total: 3.37s	remaining: 3.6s
483:	learn: 0.8355742	total: 3.37s	remaining: 3.6s
484:	learn: 0.8337752	total: 3.38s	remaining: 3.59s
485:	learn: 0.8331652	total: 3.38s	remaining: 3.58s
486:	learn: 0.8320517	total: 3.39s	remaining: 3.57s
487:	learn: 0.8313232	total: 3.4s	remaining: 3.56s
488:	learn: 0.8299321	total: 3.4s	remaining: 3.56s
489:	learn: 0.8285365	total: 3.4s	remaining: 3.54s
490:	learn: 0.8267322	total: 3.41s	remaining: 3.53s
491:	learn: 0.8252752	total: 3.41s	remaining: 3.52s
492:	learn: 0.8230028	total: 3.42s	remaining: 3.51s
493:	learn: 0.8217754	total: 3.42s	remaining: 3.51s
494:	learn: 0.8209221	total: 3.43s	remaining: 3.5s
495:	learn: 0.8195601	total: 3.44s	remaining: 3.49s
496:	learn: 0.8187965	total: 3.44s	remaining: 3.48s
497:	learn: 0.8168305	total: 3.45s	remaining: 3.48s
498:	learn: 0.8154036	total: 3.46s	remaining: 3.47s
499:	learn: 0.8138777	total: 3.46s	remaining: 3.46s
500:	learn: 0.8124259	total: 3.47s	remaining: 3.46s
501:	learn: 0.8109936	total: 3.48s	remaining: 3.45s
502:	learn: 0.8099051	total: 3.48s	remaining: 3.44s
503:	learn: 0.8080996	total: 3.49s	remaining: 3.44s
504:	learn: 0.8067378	total: 3.5s	remaining: 3.43s
505:	learn: 0.8051643	total: 3.5s	remaining: 3.42s
506:	learn: 0.8036183	total: 3.51s	remaining: 3.41s
507:	learn: 0.8027637	total: 3.52s	remaining: 3.41s
508:	learn: 0.8016492	total: 3.52s	remaining: 3.4s
509:	learn: 0.8008428	total: 3.53s	remaining: 3.39s
510:	learn: 0.7996904	total: 3.54s	remaining: 3.39s
511:	learn: 0.7983801	total: 3.54s	remaining: 3.38s
512:	learn: 0.7976378	total: 3.55s	remaining: 3.37s
513:	learn: 0.7964973	total: 3.56s	remaining: 3.37s
514:	learn: 0.7955357	total: 3.56s	remaining: 3.36s
515:	learn: 0.7943973	total: 3.57s	remaining: 3.35s
516:	learn: 0.7934307	total: 3.58s	remaining: 3.34s
517:	learn: 0.7925230	total: 3.58s	remaining: 3.34s
518:	learn: 0.7911235	total: 3.59s	remaining: 3.33s
519:	learn: 0.7901826	total: 3.6s	remaining: 3.32s
520:	learn: 0.7890727	total: 3.6s	remaining: 3.31s
521:	learn: 0.7881712	total: 3.61s	remaining: 3.3s
522:	learn: 0.7870881	total: 3.61s	remaining: 3.29s
523:	learn: 0.7861895	total: 3.61s	remaining: 3.28s
524:	learn: 0.7845325	total: 3.62s	remaining: 3.27s
525:	learn: 0.7838249	total: 3.62s	remaining: 3.26s
526:	learn: 0.7822690	total: 3.63s	remaining: 3.25s
527:	learn: 0.7811838	total: 3.63s	remaining: 3.25s
528:	learn: 0.7796258	total: 3.64s	remaining: 3.24s
529:	learn: 0.7784803	total: 3.65s	remaining: 3.23s
530:	learn: 0.7775068	total: 3.65s	remaining: 3.23s
531:	learn: 0.7766629	total: 3.66s	remaining: 3.22s
532:	learn: 0.7756333	total: 3.66s	remaining: 3.21s
533:	learn: 0.7748206	total: 3.67s	remaining: 3.2s
534:	learn: 0.7737883	total: 3.68s	remaining: 3.2s
535:	learn: 0.7728549	total: 3.69s	remaining: 3.19s
536:	learn: 0.7721277	total: 3.69s	remaining: 3.18s
537:	learn: 0.7708704	total: 3.7s	remaining: 3.18s
538:	learn: 0.7700981	total: 3.71s	remaining: 3.17s

539:	learn: 0.7686506	total: 3.71s	remaining: 3.16s
540:	learn: 0.7673300	total: 3.72s	remaining: 3.16s
541:	learn: 0.7661766	total: 3.73s	remaining: 3.15s
542:	learn: 0.7650132	total: 3.73s	remaining: 3.14s
543:	learn: 0.7638340	total: 3.74s	remaining: 3.14s
544:	learn: 0.7625382	total: 3.75s	remaining: 3.13s
545:	learn: 0.7615052	total: 3.76s	remaining: 3.12s
546:	learn: 0.7602400	total: 3.76s	remaining: 3.12s
547:	learn: 0.7592941	total: 3.77s	remaining: 3.11s
548:	learn: 0.7585077	total: 3.78s	remaining: 3.1s
549:	learn: 0.7574435	total: 3.78s	remaining: 3.1s
550:	learn: 0.7561314	total: 3.79s	remaining: 3.09s
551:	learn: 0.7557103	total: 3.8s	remaining: 3.08s
552:	learn: 0.7549321	total: 3.8s	remaining: 3.07s
553:	learn: 0.7540646	total: 3.8s	remaining: 3.06s
554:	learn: 0.7534458	total: 3.81s	remaining: 3.05s
555:	learn: 0.7522987	total: 3.81s	remaining: 3.04s
556:	learn: 0.7512730	total: 3.82s	remaining: 3.04s
557:	learn: 0.7505845	total: 3.82s	remaining: 3.03s
558:	learn: 0.7494180	total: 3.83s	remaining: 3.02s
559:	learn: 0.7485540	total: 3.84s	remaining: 3.01s
560:	learn: 0.7477064	total: 3.84s	remaining: 3.01s
561:	learn: 0.7462158	total: 3.85s	remaining: 3s
562:	learn: 0.7450462	total: 3.86s	remaining: 2.99s
563:	learn: 0.7442366	total: 3.86s	remaining: 2.98s
564:	learn: 0.7435532	total: 3.87s	remaining: 2.98s
565:	learn: 0.7425018	total: 3.88s	remaining: 2.97s
566:	learn: 0.7417594	total: 3.88s	remaining: 2.96s
567:	learn: 0.7412057	total: 3.89s	remaining: 2.96s
568:	learn: 0.7404236	total: 3.9s	remaining: 2.95s
569:	learn: 0.7395770	total: 3.9s	remaining: 2.94s
570:	learn: 0.7386748	total: 3.91s	remaining: 2.94s
571:	learn: 0.7377607	total: 3.92s	remaining: 2.93s
572:	learn: 0.7363704	total: 3.93s	remaining: 2.92s
573:	learn: 0.7349222	total: 3.93s	remaining: 2.92s
574:	learn: 0.7334530	total: 3.94s	remaining: 2.91s
575:	learn: 0.7324386	total: 3.95s	remaining: 2.9s
576:	learn: 0.7315582	total: 3.95s	remaining: 2.9s
577:	learn: 0.7310434	total: 3.96s	remaining: 2.89s
578:	learn: 0.7301211	total: 3.97s	remaining: 2.88s
579:	learn: 0.7289343	total: 3.98s	remaining: 2.88s
580:	learn: 0.7280178	total: 3.98s	remaining: 2.87s
581:	learn: 0.7275723	total: 3.99s	remaining: 2.87s
582:	learn: 0.7270028	total: 4s	remaining: 2.86s
583:	learn: 0.7260520	total: 4s	remaining: 2.85s
584:	learn: 0.7248866	total: 4.01s	remaining: 2.84s
585:	learn: 0.7235288	total: 4.01s	remaining: 2.83s
586:	learn: 0.7229759	total: 4.01s	remaining: 2.82s
587:	learn: 0.7215026	total: 4.02s	remaining: 2.82s
588:	learn: 0.7200926	total: 4.03s	remaining: 2.81s
589:	learn: 0.7189784	total: 4.03s	remaining: 2.8s
590:	learn: 0.7180173	total: 4.04s	remaining: 2.79s
591:	learn: 0.7166311	total: 4.04s	remaining: 2.79s
592:	learn: 0.7154314	total: 4.05s	remaining: 2.78s
593:	learn: 0.7146473	total: 4.06s	remaining: 2.77s
594:	learn: 0.7140382	total: 4.06s	remaining: 2.77s
595:	learn: 0.7134601	total: 4.07s	remaining: 2.76s
596:	learn: 0.7123854	total: 4.08s	remaining: 2.75s
597:	learn: 0.7116528	total: 4.09s	remaining: 2.75s
598:	learn: 0.7108946	total: 4.09s	remaining: 2.74s

599:	learn: 0.7103643	total: 4.1s	remaining: 2.73s
600:	learn: 0.7093793	total: 4.11s	remaining: 2.73s
601:	learn: 0.7088971	total: 4.12s	remaining: 2.72s
602:	learn: 0.7080465	total: 4.12s	remaining: 2.71s
603:	learn: 0.7073366	total: 4.13s	remaining: 2.71s
604:	learn: 0.7060541	total: 4.14s	remaining: 2.7s
605:	learn: 0.7054685	total: 4.15s	remaining: 2.7s
606:	learn: 0.7045853	total: 4.16s	remaining: 2.69s
607:	learn: 0.7035041	total: 4.16s	remaining: 2.68s
608:	learn: 0.7023854	total: 4.17s	remaining: 2.68s
609:	learn: 0.7018078	total: 4.18s	remaining: 2.67s
610:	learn: 0.7012112	total: 4.18s	remaining: 2.66s
611:	learn: 0.7008526	total: 4.19s	remaining: 2.66s
612:	learn: 0.7002792	total: 4.2s	remaining: 2.65s
613:	learn: 0.6996143	total: 4.21s	remaining: 2.64s
614:	learn: 0.6988841	total: 4.21s	remaining: 2.64s
615:	learn: 0.6979603	total: 4.22s	remaining: 2.63s
616:	learn: 0.6975099	total: 4.22s	remaining: 2.62s
617:	learn: 0.6968753	total: 4.22s	remaining: 2.61s
618:	learn: 0.6959026	total: 4.23s	remaining: 2.6s
619:	learn: 0.6954430	total: 4.24s	remaining: 2.6s
620:	learn: 0.6945267	total: 4.24s	remaining: 2.59s
621:	learn: 0.6936259	total: 4.25s	remaining: 2.58s
622:	learn: 0.6929828	total: 4.25s	remaining: 2.57s
623:	learn: 0.6921114	total: 4.26s	remaining: 2.57s
624:	learn: 0.6914387	total: 4.27s	remaining: 2.56s
625:	learn: 0.6911443	total: 4.27s	remaining: 2.55s
626:	learn: 0.6906245	total: 4.28s	remaining: 2.55s
627:	learn: 0.6898682	total: 4.29s	remaining: 2.54s
628:	learn: 0.6890613	total: 4.29s	remaining: 2.53s
629:	learn: 0.6885438	total: 4.3s	remaining: 2.53s
630:	learn: 0.6875962	total: 4.31s	remaining: 2.52s
631:	learn: 0.6868858	total: 4.32s	remaining: 2.51s
632:	learn: 0.6854855	total: 4.32s	remaining: 2.51s
633:	learn: 0.6848719	total: 4.33s	remaining: 2.5s
634:	learn: 0.6841228	total: 4.33s	remaining: 2.49s
635:	learn: 0.6833064	total: 4.34s	remaining: 2.48s
636:	learn: 0.6826935	total: 4.35s	remaining: 2.48s
637:	learn: 0.6819003	total: 4.35s	remaining: 2.47s
638:	learn: 0.6806054	total: 4.36s	remaining: 2.46s
639:	learn: 0.6795897	total: 4.37s	remaining: 2.46s
640:	learn: 0.6790039	total: 4.38s	remaining: 2.45s
641:	learn: 0.6782863	total: 4.38s	remaining: 2.44s
642:	learn: 0.6777212	total: 4.39s	remaining: 2.44s
643:	learn: 0.6765526	total: 4.4s	remaining: 2.43s
644:	learn: 0.6757234	total: 4.4s	remaining: 2.42s
645:	learn: 0.6750677	total: 4.41s	remaining: 2.42s
646:	learn: 0.6743947	total: 4.42s	remaining: 2.41s
647:	learn: 0.6738690	total: 4.42s	remaining: 2.4s
648:	learn: 0.6731951	total: 4.42s	remaining: 2.39s
649:	learn: 0.6727369	total: 4.43s	remaining: 2.38s
650:	learn: 0.6721008	total: 4.43s	remaining: 2.38s
651:	learn: 0.6712385	total: 4.44s	remaining: 2.37s
652:	learn: 0.6705003	total: 4.44s	remaining: 2.36s
653:	learn: 0.6701098	total: 4.45s	remaining: 2.35s
654:	learn: 0.6694339	total: 4.46s	remaining: 2.35s
655:	learn: 0.6689068	total: 4.46s	remaining: 2.34s
656:	learn: 0.6685568	total: 4.47s	remaining: 2.33s
657:	learn: 0.6677677	total: 4.47s	remaining: 2.33s
658:	learn: 0.6671020	total: 4.48s	remaining: 2.32s

659:	learn: 0.6667929	total: 4.49s	remaining: 2.31s
660:	learn: 0.6661909	total: 4.5s	remaining: 2.31s
661:	learn: 0.6654596	total: 4.5s	remaining: 2.3s
662:	learn: 0.6645216	total: 4.51s	remaining: 2.29s
663:	learn: 0.6639043	total: 4.52s	remaining: 2.29s
664:	learn: 0.6630667	total: 4.52s	remaining: 2.28s
665:	learn: 0.6622997	total: 4.53s	remaining: 2.27s
666:	learn: 0.6615211	total: 4.54s	remaining: 2.27s
667:	learn: 0.6611437	total: 4.54s	remaining: 2.26s
668:	learn: 0.6603656	total: 4.55s	remaining: 2.25s
669:	learn: 0.6594038	total: 4.56s	remaining: 2.24s
670:	learn: 0.6588876	total: 4.56s	remaining: 2.24s
671:	learn: 0.6581030	total: 4.57s	remaining: 2.23s
672:	learn: 0.6573530	total: 4.58s	remaining: 2.22s
673:	learn: 0.6565632	total: 4.58s	remaining: 2.22s
674:	learn: 0.6560569	total: 4.59s	remaining: 2.21s
675:	learn: 0.6557140	total: 4.6s	remaining: 2.2s
676:	learn: 0.6552456	total: 4.6s	remaining: 2.19s
677:	learn: 0.6547172	total: 4.61s	remaining: 2.19s
678:	learn: 0.6540404	total: 4.62s	remaining: 2.18s
679:	learn: 0.6531051	total: 4.62s	remaining: 2.17s
680:	learn: 0.6523317	total: 4.63s	remaining: 2.17s
681:	learn: 0.6519651	total: 4.63s	remaining: 2.16s
682:	learn: 0.6517538	total: 4.63s	remaining: 2.15s
683:	learn: 0.6512165	total: 4.64s	remaining: 2.14s
684:	learn: 0.6506843	total: 4.64s	remaining: 2.13s
685:	learn: 0.6501316	total: 4.65s	remaining: 2.13s
686:	learn: 0.6493859	total: 4.66s	remaining: 2.12s
687:	learn: 0.6488956	total: 4.66s	remaining: 2.11s
688:	learn: 0.6483735	total: 4.67s	remaining: 2.11s
689:	learn: 0.6477651	total: 4.68s	remaining: 2.1s
690:	learn: 0.6467599	total: 4.68s	remaining: 2.09s
691:	learn: 0.6460176	total: 4.69s	remaining: 2.09s
692:	learn: 0.6451808	total: 4.7s	remaining: 2.08s
693:	learn: 0.6444583	total: 4.71s	remaining: 2.08s
694:	learn: 0.6437109	total: 4.71s	remaining: 2.07s
695:	learn: 0.6431605	total: 4.72s	remaining: 2.06s
696:	learn: 0.6426422	total: 4.73s	remaining: 2.06s
697:	learn: 0.6421408	total: 4.74s	remaining: 2.05s
698:	learn: 0.6412992	total: 4.74s	remaining: 2.04s
699:	learn: 0.6408266	total: 4.75s	remaining: 2.04s
700:	learn: 0.6403844	total: 4.76s	remaining: 2.03s
701:	learn: 0.6395603	total: 4.76s	remaining: 2.02s
702:	learn: 0.6389860	total: 4.77s	remaining: 2.01s
703:	learn: 0.6383426	total: 4.78s	remaining: 2.01s
704:	learn: 0.6377197	total: 4.78s	remaining: 2s
705:	learn: 0.6372729	total: 4.79s	remaining: 1.99s
706:	learn: 0.6369431	total: 4.8s	remaining: 1.99s
707:	learn: 0.6365085	total: 4.8s	remaining: 1.98s
708:	learn: 0.6359127	total: 4.81s	remaining: 1.97s
709:	learn: 0.6352080	total: 4.82s	remaining: 1.97s
710:	learn: 0.6345713	total: 4.83s	remaining: 1.96s
711:	learn: 0.6338955	total: 4.83s	remaining: 1.95s
712:	learn: 0.6331831	total: 4.83s	remaining: 1.94s
713:	learn: 0.6326181	total: 4.83s	remaining: 1.94s
714:	learn: 0.6320549	total: 4.84s	remaining: 1.93s
715:	learn: 0.6316457	total: 4.84s	remaining: 1.92s
716:	learn: 0.6310548	total: 4.85s	remaining: 1.92s
717:	learn: 0.6305186	total: 4.86s	remaining: 1.91s
718:	learn: 0.6301806	total: 4.86s	remaining: 1.9s

719:	learn: 0.6295941	total: 4.87s	remaining: 1.89s
720:	learn: 0.6289190	total: 4.88s	remaining: 1.89s
721:	learn: 0.6284934	total: 4.88s	remaining: 1.88s
722:	learn: 0.6275154	total: 4.89s	remaining: 1.87s
723:	learn: 0.6271282	total: 4.9s	remaining: 1.87s
724:	learn: 0.6265080	total: 4.9s	remaining: 1.86s
725:	learn: 0.6258133	total: 4.91s	remaining: 1.85s
726:	learn: 0.6251590	total: 4.92s	remaining: 1.85s
727:	learn: 0.6247231	total: 4.92s	remaining: 1.84s
728:	learn: 0.6243466	total: 4.93s	remaining: 1.83s
729:	learn: 0.6238710	total: 4.94s	remaining: 1.83s
730:	learn: 0.6235763	total: 4.95s	remaining: 1.82s
731:	learn: 0.6231336	total: 4.95s	remaining: 1.81s
732:	learn: 0.6225377	total: 4.96s	remaining: 1.81s
733:	learn: 0.6221286	total: 4.97s	remaining: 1.8s
734:	learn: 0.6217036	total: 4.97s	remaining: 1.79s
735:	learn: 0.6210429	total: 4.98s	remaining: 1.79s
736:	learn: 0.6204140	total: 4.99s	remaining: 1.78s
737:	learn: 0.6195760	total: 5s	remaining: 1.77s
738:	learn: 0.6192131	total: 5s	remaining: 1.77s
739:	learn: 0.6187658	total: 5.01s	remaining: 1.76s
740:	learn: 0.6183452	total: 5.02s	remaining: 1.75s
741:	learn: 0.6176032	total: 5.02s	remaining: 1.75s
742:	learn: 0.6171867	total: 5.04s	remaining: 1.74s
743:	learn: 0.6166010	total: 5.04s	remaining: 1.74s
744:	learn: 0.6161379	total: 5.05s	remaining: 1.73s
745:	learn: 0.6154067	total: 5.06s	remaining: 1.72s
746:	learn: 0.6147241	total: 5.06s	remaining: 1.72s
747:	learn: 0.6142797	total: 5.07s	remaining: 1.71s
748:	learn: 0.6137404	total: 5.08s	remaining: 1.7s
749:	learn: 0.6129811	total: 5.08s	remaining: 1.69s
750:	learn: 0.6124456	total: 5.09s	remaining: 1.69s
751:	learn: 0.6118078	total: 5.1s	remaining: 1.68s
752:	learn: 0.6113067	total: 5.1s	remaining: 1.67s
753:	learn: 0.6107259	total: 5.11s	remaining: 1.67s
754:	learn: 0.6101124	total: 5.12s	remaining: 1.66s
755:	learn: 0.6097874	total: 5.12s	remaining: 1.65s
756:	learn: 0.6091115	total: 5.13s	remaining: 1.65s
757:	learn: 0.6085945	total: 5.14s	remaining: 1.64s
758:	learn: 0.6083518	total: 5.14s	remaining: 1.63s
759:	learn: 0.6077890	total: 5.15s	remaining: 1.63s
760:	learn: 0.6073682	total: 5.16s	remaining: 1.62s
761:	learn: 0.6070129	total: 5.17s	remaining: 1.61s
762:	learn: 0.6065551	total: 5.17s	remaining: 1.61s
763:	learn: 0.6058847	total: 5.18s	remaining: 1.6s
764:	learn: 0.6052366	total: 5.19s	remaining: 1.59s
765:	learn: 0.6048426	total: 5.2s	remaining: 1.59s
766:	learn: 0.6040747	total: 5.2s	remaining: 1.58s
767:	learn: 0.6035398	total: 5.21s	remaining: 1.57s
768:	learn: 0.6029748	total: 5.22s	remaining: 1.57s
769:	learn: 0.6018860	total: 5.22s	remaining: 1.56s
770:	learn: 0.6012724	total: 5.23s	remaining: 1.55s
771:	learn: 0.6008916	total: 5.24s	remaining: 1.55s
772:	learn: 0.6003237	total: 5.24s	remaining: 1.54s
773:	learn: 0.5998078	total: 5.24s	remaining: 1.53s
774:	learn: 0.5994424	total: 5.25s	remaining: 1.52s
775:	learn: 0.5990777	total: 5.25s	remaining: 1.52s
776:	learn: 0.5984818	total: 5.26s	remaining: 1.51s
777:	learn: 0.5981162	total: 5.27s	remaining: 1.5s
778:	learn: 0.5975674	total: 5.27s	remaining: 1.5s

779:	learn: 0.5973080	total: 5.28s	remaining: 1.49s
780:	learn: 0.5966898	total: 5.28s	remaining: 1.48s
781:	learn: 0.5961590	total: 5.29s	remaining: 1.47s
782:	learn: 0.5957466	total: 5.3s	remaining: 1.47s
783:	learn: 0.5953251	total: 5.3s	remaining: 1.46s
784:	learn: 0.5950941	total: 5.31s	remaining: 1.45s
785:	learn: 0.5948907	total: 5.32s	remaining: 1.45s
786:	learn: 0.5941723	total: 5.32s	remaining: 1.44s
787:	learn: 0.5938586	total: 5.33s	remaining: 1.43s
788:	learn: 0.5935036	total: 5.34s	remaining: 1.43s
789:	learn: 0.5931742	total: 5.35s	remaining: 1.42s
790:	learn: 0.5928039	total: 5.35s	remaining: 1.41s
791:	learn: 0.5923711	total: 5.36s	remaining: 1.41s
792:	learn: 0.5916945	total: 5.37s	remaining: 1.4s
793:	learn: 0.5908305	total: 5.37s	remaining: 1.39s
794:	learn: 0.5901792	total: 5.38s	remaining: 1.39s
795:	learn: 0.5896703	total: 5.39s	remaining: 1.38s
796:	learn: 0.5889202	total: 5.4s	remaining: 1.37s
797:	learn: 0.5884095	total: 5.4s	remaining: 1.37s
798:	learn: 0.5876539	total: 5.41s	remaining: 1.36s
799:	learn: 0.5873346	total: 5.42s	remaining: 1.35s
800:	learn: 0.5865583	total: 5.43s	remaining: 1.35s
801:	learn: 0.5859097	total: 5.43s	remaining: 1.34s
802:	learn: 0.5853295	total: 5.44s	remaining: 1.33s
803:	learn: 0.5850831	total: 5.44s	remaining: 1.33s
804:	learn: 0.5844957	total: 5.45s	remaining: 1.32s
805:	learn: 0.5836993	total: 5.45s	remaining: 1.31s
806:	learn: 0.5833480	total: 5.45s	remaining: 1.3s
807:	learn: 0.5829842	total: 5.46s	remaining: 1.3s
808:	learn: 0.5827634	total: 5.47s	remaining: 1.29s
809:	learn: 0.5820705	total: 5.47s	remaining: 1.28s
810:	learn: 0.5816769	total: 5.48s	remaining: 1.28s
811:	learn: 0.5813584	total: 5.49s	remaining: 1.27s
812:	learn: 0.5809111	total: 5.5s	remaining: 1.26s
813:	learn: 0.5806117	total: 5.5s	remaining: 1.26s
814:	learn: 0.5802256	total: 5.51s	remaining: 1.25s
815:	learn: 0.5797977	total: 5.52s	remaining: 1.24s
816:	learn: 0.5794126	total: 5.53s	remaining: 1.24s
817:	learn: 0.5791385	total: 5.53s	remaining: 1.23s
818:	learn: 0.5786322	total: 5.54s	remaining: 1.22s
819:	learn: 0.5780953	total: 5.55s	remaining: 1.22s
820:	learn: 0.5777441	total: 5.55s	remaining: 1.21s
821:	learn: 0.5773082	total: 5.56s	remaining: 1.2s
822:	learn: 0.5768126	total: 5.56s	remaining: 1.2s
823:	learn: 0.5763078	total: 5.57s	remaining: 1.19s
824:	learn: 0.5758399	total: 5.58s	remaining: 1.18s
825:	learn: 0.5755649	total: 5.58s	remaining: 1.18s
826:	learn: 0.5749066	total: 5.59s	remaining: 1.17s
827:	learn: 0.5746988	total: 5.6s	remaining: 1.16s
828:	learn: 0.5742086	total: 5.61s	remaining: 1.16s
829:	learn: 0.5736722	total: 5.61s	remaining: 1.15s
830:	learn: 0.5732644	total: 5.62s	remaining: 1.14s
831:	learn: 0.5728123	total: 5.63s	remaining: 1.14s
832:	learn: 0.5725931	total: 5.63s	remaining: 1.13s
833:	learn: 0.5723285	total: 5.64s	remaining: 1.12s
834:	learn: 0.5719015	total: 5.64s	remaining: 1.11s
835:	learn: 0.5714738	total: 5.64s	remaining: 1.11s
836:	learn: 0.5711303	total: 5.65s	remaining: 1.1s
837:	learn: 0.5707540	total: 5.66s	remaining: 1.09s
838:	learn: 0.5701813	total: 5.66s	remaining: 1.09s

839:	learn: 0.5698733	total: 5.67s	remaining: 1.08s
840:	learn: 0.5694668	total: 5.68s	remaining: 1.07s
841:	learn: 0.5690629	total: 5.68s	remaining: 1.07s
842:	learn: 0.5686695	total: 5.69s	remaining: 1.06s
843:	learn: 0.5683024	total: 5.7s	remaining: 1.05s
844:	learn: 0.5676575	total: 5.71s	remaining: 1.05s
845:	learn: 0.5671748	total: 5.71s	remaining: 1.04s
846:	learn: 0.5669123	total: 5.72s	remaining: 1.03s
847:	learn: 0.5664781	total: 5.73s	remaining: 1.03s
848:	learn: 0.5659908	total: 5.73s	remaining: 1.02s
849:	learn: 0.5654149	total: 5.74s	remaining: 1.01s
850:	learn: 0.5650037	total: 5.74s	remaining: 1s
851:	learn: 0.5645850	total: 5.74s	remaining: 998ms
852:	learn: 0.5641256	total: 5.75s	remaining: 991ms
853:	learn: 0.5635845	total: 5.75s	remaining: 984ms
854:	learn: 0.5630693	total: 5.76s	remaining: 976ms
855:	learn: 0.5624077	total: 5.76s	remaining: 969ms
856:	learn: 0.5619086	total: 5.77s	remaining: 963ms
857:	learn: 0.5615910	total: 5.78s	remaining: 956ms
858:	learn: 0.5613332	total: 5.78s	remaining: 950ms
859:	learn: 0.5608889	total: 5.79s	remaining: 943ms
860:	learn: 0.5603956	total: 5.8s	remaining: 936ms
861:	learn: 0.5596610	total: 5.81s	remaining: 930ms
862:	learn: 0.5592728	total: 5.81s	remaining: 923ms
863:	learn: 0.5590131	total: 5.82s	remaining: 917ms
864:	learn: 0.5584801	total: 5.83s	remaining: 909ms
865:	learn: 0.5581975	total: 5.83s	remaining: 902ms
866:	learn: 0.5578498	total: 5.83s	remaining: 895ms
867:	learn: 0.5575635	total: 5.84s	remaining: 888ms
868:	learn: 0.5572494	total: 5.84s	remaining: 881ms
869:	learn: 0.5568147	total: 5.85s	remaining: 874ms
870:	learn: 0.5563724	total: 5.85s	remaining: 867ms
871:	learn: 0.5558975	total: 5.86s	remaining: 860ms
872:	learn: 0.5554436	total: 5.86s	remaining: 853ms
873:	learn: 0.5552065	total: 5.87s	remaining: 846ms
874:	learn: 0.5546680	total: 5.87s	remaining: 839ms
875:	learn: 0.5543911	total: 5.88s	remaining: 833ms
876:	learn: 0.5540137	total: 5.89s	remaining: 826ms
877:	learn: 0.5535997	total: 5.9s	remaining: 819ms
878:	learn: 0.5533835	total: 5.9s	remaining: 813ms
879:	learn: 0.5531124	total: 5.91s	remaining: 806ms
880:	learn: 0.5526506	total: 5.92s	remaining: 799ms
881:	learn: 0.5522713	total: 5.92s	remaining: 792ms
882:	learn: 0.5518840	total: 5.93s	remaining: 786ms
883:	learn: 0.5517249	total: 5.94s	remaining: 779ms
884:	learn: 0.5513504	total: 5.94s	remaining: 772ms
885:	learn: 0.5509459	total: 5.95s	remaining: 766ms
886:	learn: 0.5507456	total: 5.96s	remaining: 759ms
887:	learn: 0.5503741	total: 5.96s	remaining: 752ms
888:	learn: 0.5498883	total: 5.97s	remaining: 746ms
889:	learn: 0.5495512	total: 5.98s	remaining: 739ms
890:	learn: 0.5491173	total: 5.99s	remaining: 732ms
891:	learn: 0.5487491	total: 5.99s	remaining: 725ms
892:	learn: 0.5483960	total: 6s	remaining: 719ms
893:	learn: 0.5479955	total: 6s	remaining: 712ms
894:	learn: 0.5475520	total: 6.01s	remaining: 705ms
895:	learn: 0.5472779	total: 6.02s	remaining: 699ms
896:	learn: 0.5468619	total: 6.03s	remaining: 692ms
897:	learn: 0.5465334	total: 6.03s	remaining: 685ms
898:	learn: 0.5461718	total: 6.03s	remaining: 678ms

899:	learn: 0.5461018	total: 6.04s	remaining: 671ms
900:	learn: 0.5458967	total: 6.04s	remaining: 664ms
901:	learn: 0.5456497	total: 6.04s	remaining: 657ms
902:	learn: 0.5453210	total: 6.05s	remaining: 650ms
903:	learn: 0.5449468	total: 6.05s	remaining: 643ms
904:	learn: 0.5441867	total: 6.06s	remaining: 637ms
905:	learn: 0.5439683	total: 6.07s	remaining: 630ms
906:	learn: 0.5435447	total: 6.08s	remaining: 623ms
907:	learn: 0.5433049	total: 6.08s	remaining: 616ms
908:	learn: 0.5430305	total: 6.09s	remaining: 609ms
909:	learn: 0.5427496	total: 6.09s	remaining: 603ms
910:	learn: 0.5423026	total: 6.1s	remaining: 596ms
911:	learn: 0.5419261	total: 6.11s	remaining: 590ms
912:	learn: 0.5416393	total: 6.12s	remaining: 583ms
913:	learn: 0.5413771	total: 6.12s	remaining: 576ms
914:	learn: 0.5411076	total: 6.13s	remaining: 570ms
915:	learn: 0.5409099	total: 6.14s	remaining: 563ms
916:	learn: 0.5405803	total: 6.14s	remaining: 556ms
917:	learn: 0.5402941	total: 6.15s	remaining: 550ms
918:	learn: 0.5401393	total: 6.16s	remaining: 543ms
919:	learn: 0.5396364	total: 6.17s	remaining: 536ms
920:	learn: 0.5393633	total: 6.17s	remaining: 530ms
921:	learn: 0.5388030	total: 6.18s	remaining: 523ms
922:	learn: 0.5384043	total: 6.19s	remaining: 516ms
923:	learn: 0.5381346	total: 6.2s	remaining: 510ms
924:	learn: 0.5376398	total: 6.21s	remaining: 503ms
925:	learn: 0.5374221	total: 6.21s	remaining: 496ms
926:	learn: 0.5372626	total: 6.22s	remaining: 490ms
927:	learn: 0.5370387	total: 6.22s	remaining: 483ms
928:	learn: 0.5367642	total: 6.23s	remaining: 476ms
929:	learn: 0.5365625	total: 6.23s	remaining: 469ms
930:	learn: 0.5362947	total: 6.23s	remaining: 462ms
931:	learn: 0.5358194	total: 6.24s	remaining: 455ms
932:	learn: 0.5356769	total: 6.24s	remaining: 448ms
933:	learn: 0.5353406	total: 6.25s	remaining: 442ms
934:	learn: 0.5352449	total: 6.26s	remaining: 435ms
935:	learn: 0.5350025	total: 6.26s	remaining: 428ms
936:	learn: 0.5347764	total: 6.27s	remaining: 422ms
937:	learn: 0.5341777	total: 6.28s	remaining: 415ms
938:	learn: 0.5337108	total: 6.29s	remaining: 408ms
939:	learn: 0.5331836	total: 6.29s	remaining: 402ms
940:	learn: 0.5328663	total: 6.3s	remaining: 395ms
941:	learn: 0.5322751	total: 6.31s	remaining: 388ms
942:	learn: 0.5319029	total: 6.31s	remaining: 382ms
943:	learn: 0.5316143	total: 6.32s	remaining: 375ms
944:	learn: 0.5312319	total: 6.33s	remaining: 368ms
945:	learn: 0.5309117	total: 6.34s	remaining: 362ms
946:	learn: 0.5305749	total: 6.34s	remaining: 355ms
947:	learn: 0.5301842	total: 6.35s	remaining: 348ms
948:	learn: 0.5298056	total: 6.36s	remaining: 342ms
949:	learn: 0.5295974	total: 6.37s	remaining: 335ms
950:	learn: 0.5293861	total: 6.37s	remaining: 328ms
951:	learn: 0.5290328	total: 6.38s	remaining: 322ms
952:	learn: 0.5287135	total: 6.39s	remaining: 315ms
953:	learn: 0.5283412	total: 6.39s	remaining: 308ms
954:	learn: 0.5281978	total: 6.4s	remaining: 302ms
955:	learn: 0.5280200	total: 6.41s	remaining: 295ms
956:	learn: 0.5275841	total: 6.41s	remaining: 288ms
957:	learn: 0.5272488	total: 6.42s	remaining: 282ms
958:	learn: 0.5269324	total: 6.43s	remaining: 275ms

959:	learn: 0.5266251	total: 6.43s	remaining: 268ms
960:	learn: 0.5263626	total: 6.44s	remaining: 261ms
961:	learn: 0.5259621	total: 6.44s	remaining: 254ms
962:	learn: 0.5256021	total: 6.44s	remaining: 248ms
963:	learn: 0.5253681	total: 6.45s	remaining: 241ms
964:	learn: 0.5251266	total: 6.46s	remaining: 234ms
965:	learn: 0.5248665	total: 6.46s	remaining: 227ms
966:	learn: 0.5246052	total: 6.47s	remaining: 221ms
967:	learn: 0.5242567	total: 6.48s	remaining: 214ms
968:	learn: 0.5239200	total: 6.49s	remaining: 207ms
969:	learn: 0.5237582	total: 6.49s	remaining: 201ms
970:	learn: 0.5234004	total: 6.5s	remaining: 194ms
971:	learn: 0.5233355	total: 6.5s	remaining: 187ms
972:	learn: 0.5230380	total: 6.51s	remaining: 181ms
973:	learn: 0.5228847	total: 6.52s	remaining: 174ms
974:	learn: 0.5225666	total: 6.53s	remaining: 167ms
975:	learn: 0.5220526	total: 6.53s	remaining: 161ms
976:	learn: 0.5218680	total: 6.54s	remaining: 154ms
977:	learn: 0.5218465	total: 6.55s	remaining: 147ms
978:	learn: 0.5214841	total: 6.55s	remaining: 141ms
979:	learn: 0.5209654	total: 6.56s	remaining: 134ms
980:	learn: 0.5206393	total: 6.57s	remaining: 127ms
981:	learn: 0.5203879	total: 6.57s	remaining: 121ms
982:	learn: 0.5196465	total: 6.58s	remaining: 114ms
983:	learn: 0.5194538	total: 6.59s	remaining: 107ms
984:	learn: 0.5192462	total: 6.59s	remaining: 100ms
985:	learn: 0.5189286	total: 6.6s	remaining: 93.8ms
986:	learn: 0.5185438	total: 6.61s	remaining: 87.1ms
987:	learn: 0.5183335	total: 6.62s	remaining: 80.4ms
988:	learn: 0.5179112	total: 6.63s	remaining: 73.7ms
989:	learn: 0.5176453	total: 6.63s	remaining: 67ms
990:	learn: 0.5173624	total: 6.63s	remaining: 60.2ms
991:	learn: 0.5169905	total: 6.63s	remaining: 53.5ms
992:	learn: 0.5167311	total: 6.64s	remaining: 46.8ms
993:	learn: 0.5166663	total: 6.65s	remaining: 40.1ms
994:	learn: 0.5164243	total: 6.65s	remaining: 33.4ms
995:	learn: 0.5160713	total: 6.66s	remaining: 26.7ms
996:	learn: 0.5157459	total: 6.67s	remaining: 20.1ms
997:	learn: 0.5155377	total: 6.67s	remaining: 13.4ms
998:	learn: 0.5153525	total: 6.67s	remaining: 6.68ms
999:	learn: 0.5151160	total: 6.68s	remaining: 0us

Learning rate set to 0.06063

0:	learn: 58.7160134	total: 9.68ms	remaining: 9.67s
1:	learn: 55.5512682	total: 18.1ms	remaining: 9.03s
2:	learn: 52.4990118	total: 27.7ms	remaining: 9.22s
3:	learn: 49.6636889	total: 35.3ms	remaining: 8.8s
4:	learn: 47.0242496	total: 42.9ms	remaining: 8.53s
5:	learn: 44.5214480	total: 53.5ms	remaining: 8.87s
6:	learn: 42.1710346	total: 61ms	remaining: 8.65s
7:	learn: 40.0499556	total: 70.4ms	remaining: 8.73s
8:	learn: 37.9575505	total: 77ms	remaining: 8.48s
9:	learn: 35.9238749	total: 84.4ms	remaining: 8.36s
10:	learn: 34.1060066	total: 91.7ms	remaining: 8.24s
11:	learn: 32.3523182	total: 98.5ms	remaining: 8.11s
12:	learn: 30.6888130	total: 106ms	remaining: 8.02s
13:	learn: 29.1144866	total: 113ms	remaining: 7.99s
14:	learn: 27.6657385	total: 121ms	remaining: 7.93s
15:	learn: 26.2436041	total: 128ms	remaining: 7.87s
16:	learn: 24.8942226	total: 135ms	remaining: 7.81s
17:	learn: 23.6841270	total: 143ms	remaining: 7.79s

18:	learn: 22.5450760	total: 150ms	remaining: 7.75s
19:	learn: 21.5098007	total: 157ms	remaining: 7.71s
20:	learn: 20.4676672	total: 164ms	remaining: 7.67s
21:	learn: 19.4744547	total: 170ms	remaining: 7.58s
22:	learn: 18.5641531	total: 176ms	remaining: 7.49s
23:	learn: 17.6792443	total: 184ms	remaining: 7.46s
24:	learn: 16.8779950	total: 190ms	remaining: 7.4s
25:	learn: 16.0726542	total: 198ms	remaining: 7.4s
26:	learn: 15.3615756	total: 204ms	remaining: 7.34s
27:	learn: 14.6769128	total: 207ms	remaining: 7.18s
28:	learn: 14.0340077	total: 210ms	remaining: 7.03s
29:	learn: 13.4286262	total: 213ms	remaining: 6.9s
30:	learn: 12.8401527	total: 218ms	remaining: 6.83s
31:	learn: 12.2992209	total: 224ms	remaining: 6.78s
32:	learn: 11.7928777	total: 231ms	remaining: 6.77s
33:	learn: 11.3062799	total: 236ms	remaining: 6.7s
34:	learn: 10.8450959	total: 243ms	remaining: 6.69s
35:	learn: 10.4207950	total: 250ms	remaining: 6.7s
36:	learn: 10.0011647	total: 256ms	remaining: 6.66s
37:	learn: 9.6267219	total: 263ms	remaining: 6.65s
38:	learn: 9.2641006	total: 269ms	remaining: 6.62s
39:	learn: 8.9102772	total: 272ms	remaining: 6.54s
40:	learn: 8.5994858	total: 279ms	remaining: 6.53s
41:	learn: 8.3036267	total: 285ms	remaining: 6.51s
42:	learn: 8.0353842	total: 293ms	remaining: 6.52s
43:	learn: 7.7748727	total: 298ms	remaining: 6.48s
44:	learn: 7.5059727	total: 305ms	remaining: 6.48s
45:	learn: 7.2614885	total: 313ms	remaining: 6.49s
46:	learn: 7.0251295	total: 320ms	remaining: 6.48s
47:	learn: 6.8043881	total: 327ms	remaining: 6.48s
48:	learn: 6.6019716	total: 334ms	remaining: 6.48s
49:	learn: 6.4264098	total: 341ms	remaining: 6.48s
50:	learn: 6.2652096	total: 348ms	remaining: 6.48s
51:	learn: 6.0966321	total: 355ms	remaining: 6.48s
52:	learn: 5.9343653	total: 363ms	remaining: 6.49s
53:	learn: 5.7797088	total: 370ms	remaining: 6.49s
54:	learn: 5.6297021	total: 378ms	remaining: 6.5s
55:	learn: 5.4814290	total: 386ms	remaining: 6.5s
56:	learn: 5.3408164	total: 393ms	remaining: 6.5s
57:	learn: 5.2301801	total: 396ms	remaining: 6.43s
58:	learn: 5.1160486	total: 399ms	remaining: 6.37s
59:	learn: 4.9996957	total: 403ms	remaining: 6.31s
60:	learn: 4.8925186	total: 407ms	remaining: 6.26s
61:	learn: 4.7915525	total: 411ms	remaining: 6.22s
62:	learn: 4.6965611	total: 418ms	remaining: 6.22s
63:	learn: 4.6089317	total: 425ms	remaining: 6.21s
64:	learn: 4.5139212	total: 432ms	remaining: 6.21s
65:	learn: 4.4389426	total: 438ms	remaining: 6.2s
66:	learn: 4.3526604	total: 443ms	remaining: 6.17s
67:	learn: 4.2778722	total: 450ms	remaining: 6.17s
68:	learn: 4.2084292	total: 457ms	remaining: 6.16s
69:	learn: 4.1484718	total: 464ms	remaining: 6.16s
70:	learn: 4.0884235	total: 471ms	remaining: 6.16s
71:	learn: 4.0160313	total: 478ms	remaining: 6.17s
72:	learn: 3.9496806	total: 486ms	remaining: 6.17s
73:	learn: 3.8995120	total: 491ms	remaining: 6.15s
74:	learn: 3.8394524	total: 498ms	remaining: 6.14s
75:	learn: 3.7937117	total: 506ms	remaining: 6.15s
76:	learn: 3.7366216	total: 514ms	remaining: 6.16s
77:	learn: 3.6943711	total: 521ms	remaining: 6.16s

78:	learn: 3.6421539	total: 529ms	remaining: 6.17s
79:	learn: 3.6019041	total: 536ms	remaining: 6.17s
80:	learn: 3.5649567	total: 544ms	remaining: 6.17s
81:	learn: 3.5262322	total: 550ms	remaining: 6.15s
82:	learn: 3.4890750	total: 557ms	remaining: 6.16s
83:	learn: 3.4535907	total: 565ms	remaining: 6.16s
84:	learn: 3.4160918	total: 572ms	remaining: 6.16s
85:	learn: 3.3876875	total: 580ms	remaining: 6.16s
86:	learn: 3.3553493	total: 587ms	remaining: 6.16s
87:	learn: 3.3245037	total: 596ms	remaining: 6.18s
88:	learn: 3.2866050	total: 599ms	remaining: 6.13s
89:	learn: 3.2562701	total: 603ms	remaining: 6.09s
90:	learn: 3.2298574	total: 606ms	remaining: 6.05s
91:	learn: 3.1966350	total: 610ms	remaining: 6.02s
92:	learn: 3.1627202	total: 614ms	remaining: 5.98s
93:	learn: 3.1324576	total: 621ms	remaining: 5.98s
94:	learn: 3.1114330	total: 628ms	remaining: 5.98s
95:	learn: 3.0900013	total: 633ms	remaining: 5.96s
96:	learn: 3.0620757	total: 640ms	remaining: 5.95s
97:	learn: 3.0341605	total: 646ms	remaining: 5.94s
98:	learn: 3.0067568	total: 653ms	remaining: 5.94s
99:	learn: 2.9832280	total: 660ms	remaining: 5.94s
100:	learn: 2.9693483	total: 665ms	remaining: 5.92s
101:	learn: 2.9488559	total: 672ms	remaining: 5.92s
102:	learn: 2.9337318	total: 679ms	remaining: 5.91s
103:	learn: 2.9069430	total: 686ms	remaining: 5.91s
104:	learn: 2.8843332	total: 692ms	remaining: 5.9s
105:	learn: 2.8598864	total: 700ms	remaining: 5.9s
106:	learn: 2.8458013	total: 706ms	remaining: 5.89s
107:	learn: 2.8289037	total: 713ms	remaining: 5.89s
108:	learn: 2.8127109	total: 720ms	remaining: 5.89s
109:	learn: 2.7978317	total: 727ms	remaining: 5.88s
110:	learn: 2.7813056	total: 734ms	remaining: 5.88s
111:	learn: 2.7520911	total: 740ms	remaining: 5.87s
112:	learn: 2.7355728	total: 747ms	remaining: 5.86s
113:	learn: 2.7153475	total: 755ms	remaining: 5.87s
114:	learn: 2.6940882	total: 762ms	remaining: 5.87s
115:	learn: 2.6788657	total: 770ms	remaining: 5.87s
116:	learn: 2.6631170	total: 777ms	remaining: 5.86s
117:	learn: 2.6499215	total: 784ms	remaining: 5.86s
118:	learn: 2.6387879	total: 793ms	remaining: 5.87s
119:	learn: 2.6146179	total: 801ms	remaining: 5.87s
120:	learn: 2.6007127	total: 808ms	remaining: 5.87s
121:	learn: 2.5831468	total: 812ms	remaining: 5.84s
122:	learn: 2.5644595	total: 816ms	remaining: 5.82s
123:	learn: 2.5536307	total: 820ms	remaining: 5.79s
124:	learn: 2.5333703	total: 824ms	remaining: 5.77s
125:	learn: 2.5090780	total: 832ms	remaining: 5.77s
126:	learn: 2.4884815	total: 836ms	remaining: 5.75s
127:	learn: 2.4751356	total: 843ms	remaining: 5.74s
128:	learn: 2.4616025	total: 849ms	remaining: 5.73s
129:	learn: 2.4449298	total: 853ms	remaining: 5.71s
130:	learn: 2.4311603	total: 861ms	remaining: 5.71s
131:	learn: 2.4138008	total: 868ms	remaining: 5.71s
132:	learn: 2.3948674	total: 873ms	remaining: 5.69s
133:	learn: 2.3802167	total: 879ms	remaining: 5.68s
134:	learn: 2.3663460	total: 886ms	remaining: 5.68s
135:	learn: 2.3517790	total: 892ms	remaining: 5.67s
136:	learn: 2.3355062	total: 899ms	remaining: 5.66s
137:	learn: 2.3226767	total: 906ms	remaining: 5.66s

138:	learn: 2.3070260	total: 913ms	remaining: 5.66s
139:	learn: 2.2942459	total: 920ms	remaining: 5.65s
140:	learn: 2.2843243	total: 927ms	remaining: 5.65s
141:	learn: 2.2673277	total: 934ms	remaining: 5.64s
142:	learn: 2.2510392	total: 940ms	remaining: 5.63s
143:	learn: 2.2356408	total: 947ms	remaining: 5.63s
144:	learn: 2.2263143	total: 954ms	remaining: 5.63s
145:	learn: 2.2151053	total: 961ms	remaining: 5.62s
146:	learn: 2.2020506	total: 968ms	remaining: 5.62s
147:	learn: 2.1879985	total: 975ms	remaining: 5.61s
148:	learn: 2.1804567	total: 982ms	remaining: 5.61s
149:	learn: 2.1706069	total: 987ms	remaining: 5.59s
150:	learn: 2.1606709	total: 994ms	remaining: 5.59s
151:	learn: 2.1466771	total: 1s	remaining: 5.6s
152:	learn: 2.1344019	total: 1.01s	remaining: 5.62s
153:	learn: 2.1254475	total: 1.02s	remaining: 5.62s
154:	learn: 2.1139600	total: 1.03s	remaining: 5.61s
155:	learn: 2.1046397	total: 1.03s	remaining: 5.6s
156:	learn: 2.0900703	total: 1.04s	remaining: 5.59s
157:	learn: 2.0819407	total: 1.05s	remaining: 5.59s
158:	learn: 2.0710260	total: 1.05s	remaining: 5.58s
159:	learn: 2.0604672	total: 1.06s	remaining: 5.58s
160:	learn: 2.0486338	total: 1.07s	remaining: 5.57s
161:	learn: 2.0415363	total: 1.07s	remaining: 5.56s
162:	learn: 2.0308524	total: 1.08s	remaining: 5.56s
163:	learn: 2.0240488	total: 1.09s	remaining: 5.55s
164:	learn: 2.0155333	total: 1.1s	remaining: 5.55s
165:	learn: 2.0060564	total: 1.1s	remaining: 5.54s
166:	learn: 1.9983306	total: 1.11s	remaining: 5.53s
167:	learn: 1.9881352	total: 1.12s	remaining: 5.53s
168:	learn: 1.9784280	total: 1.12s	remaining: 5.52s
169:	learn: 1.9727684	total: 1.13s	remaining: 5.52s
170:	learn: 1.9662112	total: 1.14s	remaining: 5.51s
171:	learn: 1.9530647	total: 1.14s	remaining: 5.51s
172:	learn: 1.9426364	total: 1.15s	remaining: 5.5s
173:	learn: 1.9347032	total: 1.16s	remaining: 5.5s
174:	learn: 1.9209630	total: 1.16s	remaining: 5.49s
175:	learn: 1.9147477	total: 1.17s	remaining: 5.47s
176:	learn: 1.9060092	total: 1.18s	remaining: 5.47s
177:	learn: 1.8962625	total: 1.18s	remaining: 5.46s
178:	learn: 1.8894895	total: 1.19s	remaining: 5.45s
179:	learn: 1.8815477	total: 1.2s	remaining: 5.45s
180:	learn: 1.8740803	total: 1.2s	remaining: 5.43s
181:	learn: 1.8676282	total: 1.2s	remaining: 5.41s
182:	learn: 1.8555800	total: 1.21s	remaining: 5.38s
183:	learn: 1.8489453	total: 1.21s	remaining: 5.36s
184:	learn: 1.8435230	total: 1.21s	remaining: 5.34s
185:	learn: 1.8344475	total: 1.22s	remaining: 5.34s
186:	learn: 1.8279593	total: 1.23s	remaining: 5.33s
187:	learn: 1.8197718	total: 1.23s	remaining: 5.31s
188:	learn: 1.8123888	total: 1.24s	remaining: 5.31s
189:	learn: 1.8024603	total: 1.24s	remaining: 5.3s
190:	learn: 1.7961214	total: 1.25s	remaining: 5.29s
191:	learn: 1.7882568	total: 1.26s	remaining: 5.29s
192:	learn: 1.7788528	total: 1.26s	remaining: 5.29s
193:	learn: 1.7733181	total: 1.27s	remaining: 5.28s
194:	learn: 1.7634391	total: 1.27s	remaining: 5.26s
195:	learn: 1.7548821	total: 1.28s	remaining: 5.26s
196:	learn: 1.7496744	total: 1.29s	remaining: 5.25s
197:	learn: 1.7417509	total: 1.29s	remaining: 5.25s

198:	learn: 1.7339922	total: 1.3s	remaining: 5.24s
199:	learn: 1.7281487	total: 1.31s	remaining: 5.24s
200:	learn: 1.7185164	total: 1.31s	remaining: 5.23s
201:	learn: 1.7112126	total: 1.32s	remaining: 5.22s
202:	learn: 1.7057215	total: 1.33s	remaining: 5.22s
203:	learn: 1.6997452	total: 1.33s	remaining: 5.21s
204:	learn: 1.6948021	total: 1.34s	remaining: 5.21s
205:	learn: 1.6850016	total: 1.35s	remaining: 5.2s
206:	learn: 1.6802046	total: 1.35s	remaining: 5.19s
207:	learn: 1.6750259	total: 1.36s	remaining: 5.19s
208:	learn: 1.6691069	total: 1.37s	remaining: 5.18s
209:	learn: 1.6634494	total: 1.37s	remaining: 5.17s
210:	learn: 1.6570008	total: 1.38s	remaining: 5.17s
211:	learn: 1.6518251	total: 1.39s	remaining: 5.15s
212:	learn: 1.6447752	total: 1.39s	remaining: 5.13s
213:	learn: 1.6383350	total: 1.39s	remaining: 5.12s
214:	learn: 1.6279532	total: 1.4s	remaining: 5.11s
215:	learn: 1.6224816	total: 1.41s	remaining: 5.11s
216:	learn: 1.6172837	total: 1.41s	remaining: 5.1s
217:	learn: 1.6081850	total: 1.42s	remaining: 5.08s
218:	learn: 1.6030454	total: 1.42s	remaining: 5.07s
219:	learn: 1.5983960	total: 1.42s	remaining: 5.05s
220:	learn: 1.5932949	total: 1.43s	remaining: 5.03s
221:	learn: 1.5896778	total: 1.43s	remaining: 5.02s
222:	learn: 1.5847317	total: 1.44s	remaining: 5.01s
223:	learn: 1.5792380	total: 1.44s	remaining: 5s
224:	learn: 1.5745269	total: 1.45s	remaining: 4.99s
225:	learn: 1.5670286	total: 1.45s	remaining: 4.98s
226:	learn: 1.5620841	total: 1.46s	remaining: 4.98s
227:	learn: 1.5570296	total: 1.47s	remaining: 4.97s
228:	learn: 1.5518116	total: 1.48s	remaining: 4.97s
229:	learn: 1.5441482	total: 1.48s	remaining: 4.96s
230:	learn: 1.5383406	total: 1.49s	remaining: 4.96s
231:	learn: 1.5331626	total: 1.5s	remaining: 4.96s
232:	learn: 1.5266774	total: 1.5s	remaining: 4.95s
233:	learn: 1.5204734	total: 1.51s	remaining: 4.95s
234:	learn: 1.5174497	total: 1.52s	remaining: 4.94s
235:	learn: 1.5112829	total: 1.52s	remaining: 4.93s
236:	learn: 1.5069466	total: 1.53s	remaining: 4.93s
237:	learn: 1.5021843	total: 1.54s	remaining: 4.92s
238:	learn: 1.4946917	total: 1.54s	remaining: 4.92s
239:	learn: 1.4899527	total: 1.55s	remaining: 4.92s
240:	learn: 1.4845387	total: 1.56s	remaining: 4.91s
241:	learn: 1.4802614	total: 1.57s	remaining: 4.91s
242:	learn: 1.4761652	total: 1.57s	remaining: 4.9s
243:	learn: 1.4723172	total: 1.58s	remaining: 4.9s
244:	learn: 1.4646710	total: 1.59s	remaining: 4.89s
245:	learn: 1.4602218	total: 1.59s	remaining: 4.88s
246:	learn: 1.4548111	total: 1.6s	remaining: 4.88s
247:	learn: 1.4488472	total: 1.61s	remaining: 4.87s
248:	learn: 1.4446716	total: 1.61s	remaining: 4.87s
249:	learn: 1.4397955	total: 1.62s	remaining: 4.87s
250:	learn: 1.4359989	total: 1.63s	remaining: 4.85s
251:	learn: 1.4328223	total: 1.63s	remaining: 4.83s
252:	learn: 1.4250103	total: 1.63s	remaining: 4.82s
253:	learn: 1.4208799	total: 1.64s	remaining: 4.81s
254:	learn: 1.4182713	total: 1.64s	remaining: 4.8s
255:	learn: 1.4132096	total: 1.65s	remaining: 4.8s
256:	learn: 1.4098753	total: 1.66s	remaining: 4.79s
257:	learn: 1.4051336	total: 1.66s	remaining: 4.78s

258:	learn: 1.3981487	total: 1.67s	remaining: 4.78s
259:	learn: 1.3937053	total: 1.67s	remaining: 4.77s
260:	learn: 1.3893492	total: 1.68s	remaining: 4.76s
261:	learn: 1.3838097	total: 1.69s	remaining: 4.75s
262:	learn: 1.3790761	total: 1.7s	remaining: 4.75s
263:	learn: 1.3732696	total: 1.7s	remaining: 4.74s
264:	learn: 1.3676152	total: 1.71s	remaining: 4.74s
265:	learn: 1.3640041	total: 1.72s	remaining: 4.73s
266:	learn: 1.3607656	total: 1.72s	remaining: 4.73s
267:	learn: 1.3574813	total: 1.73s	remaining: 4.72s
268:	learn: 1.3539522	total: 1.73s	remaining: 4.71s
269:	learn: 1.3485688	total: 1.74s	remaining: 4.71s
270:	learn: 1.3434407	total: 1.75s	remaining: 4.7s
271:	learn: 1.3406181	total: 1.76s	remaining: 4.7s
272:	learn: 1.3374147	total: 1.76s	remaining: 4.69s
273:	learn: 1.3337530	total: 1.77s	remaining: 4.69s
274:	learn: 1.3300232	total: 1.78s	remaining: 4.69s
275:	learn: 1.3257811	total: 1.78s	remaining: 4.68s
276:	learn: 1.3212461	total: 1.79s	remaining: 4.68s
277:	learn: 1.3175519	total: 1.8s	remaining: 4.67s
278:	learn: 1.3137598	total: 1.81s	remaining: 4.67s
279:	learn: 1.3101931	total: 1.81s	remaining: 4.66s
280:	learn: 1.3060149	total: 1.82s	remaining: 4.66s
281:	learn: 1.3020355	total: 1.83s	remaining: 4.65s
282:	learn: 1.2992934	total: 1.83s	remaining: 4.64s
283:	learn: 1.2965461	total: 1.83s	remaining: 4.63s
284:	learn: 1.2945561	total: 1.84s	remaining: 4.61s
285:	learn: 1.2914318	total: 1.84s	remaining: 4.6s
286:	learn: 1.2873251	total: 1.85s	remaining: 4.59s
287:	learn: 1.2841095	total: 1.86s	remaining: 4.59s
288:	learn: 1.2807880	total: 1.86s	remaining: 4.58s
289:	learn: 1.2783871	total: 1.87s	remaining: 4.57s
290:	learn: 1.2748817	total: 1.87s	remaining: 4.57s
291:	learn: 1.2723242	total: 1.88s	remaining: 4.56s
292:	learn: 1.2679784	total: 1.89s	remaining: 4.56s
293:	learn: 1.2646722	total: 1.89s	remaining: 4.55s
294:	learn: 1.2604789	total: 1.9s	remaining: 4.54s
295:	learn: 1.2577392	total: 1.91s	remaining: 4.54s
296:	learn: 1.2523757	total: 1.92s	remaining: 4.53s
297:	learn: 1.2480375	total: 1.92s	remaining: 4.53s
298:	learn: 1.2447091	total: 1.93s	remaining: 4.52s
299:	learn: 1.2421184	total: 1.93s	remaining: 4.51s
300:	learn: 1.2386712	total: 1.94s	remaining: 4.51s
301:	learn: 1.2350467	total: 1.95s	remaining: 4.5s
302:	learn: 1.2323247	total: 1.96s	remaining: 4.51s
303:	learn: 1.2283240	total: 1.97s	remaining: 4.51s
304:	learn: 1.2243214	total: 1.98s	remaining: 4.5s
305:	learn: 1.2220620	total: 1.98s	remaining: 4.5s
306:	learn: 1.2195782	total: 1.99s	remaining: 4.49s
307:	learn: 1.2171380	total: 1.99s	remaining: 4.47s
308:	learn: 1.2142089	total: 2s	remaining: 4.47s
309:	learn: 1.2115272	total: 2s	remaining: 4.46s
310:	learn: 1.2083315	total: 2.01s	remaining: 4.46s
311:	learn: 1.2043768	total: 2.02s	remaining: 4.46s
312:	learn: 1.2012941	total: 2.03s	remaining: 4.45s
313:	learn: 1.1988013	total: 2.03s	remaining: 4.43s
314:	learn: 1.1967654	total: 2.03s	remaining: 4.42s
315:	learn: 1.1948630	total: 2.04s	remaining: 4.41s
316:	learn: 1.1918320	total: 2.04s	remaining: 4.4s
317:	learn: 1.1875230	total: 2.05s	remaining: 4.39s

318:	learn: 1.1856547	total: 2.05s	remaining: 4.38s
319:	learn: 1.1824952	total: 2.06s	remaining: 4.38s
320:	learn: 1.1801892	total: 2.06s	remaining: 4.37s
321:	learn: 1.1775103	total: 2.07s	remaining: 4.36s
322:	learn: 1.1750925	total: 2.08s	remaining: 4.36s
323:	learn: 1.1713509	total: 2.09s	remaining: 4.35s
324:	learn: 1.1702866	total: 2.09s	remaining: 4.35s
325:	learn: 1.1670390	total: 2.1s	remaining: 4.34s
326:	learn: 1.1648310	total: 2.11s	remaining: 4.34s
327:	learn: 1.1619457	total: 2.12s	remaining: 4.33s
328:	learn: 1.1602678	total: 2.12s	remaining: 4.33s
329:	learn: 1.1573264	total: 2.13s	remaining: 4.32s
330:	learn: 1.1539937	total: 2.14s	remaining: 4.32s
331:	learn: 1.1510393	total: 2.14s	remaining: 4.32s
332:	learn: 1.1484014	total: 2.15s	remaining: 4.31s
333:	learn: 1.1450301	total: 2.16s	remaining: 4.3s
334:	learn: 1.1432488	total: 2.17s	remaining: 4.3s
335:	learn: 1.1411751	total: 2.17s	remaining: 4.29s
336:	learn: 1.1362000	total: 2.17s	remaining: 4.28s
337:	learn: 1.1330571	total: 2.18s	remaining: 4.28s
338:	learn: 1.1297136	total: 2.19s	remaining: 4.27s
339:	learn: 1.1265727	total: 2.19s	remaining: 4.26s
340:	learn: 1.1228758	total: 2.2s	remaining: 4.26s
341:	learn: 1.1198268	total: 2.21s	remaining: 4.25s
342:	learn: 1.1160918	total: 2.22s	remaining: 4.25s
343:	learn: 1.1125205	total: 2.22s	remaining: 4.24s
344:	learn: 1.1104952	total: 2.23s	remaining: 4.23s
345:	learn: 1.1073602	total: 2.23s	remaining: 4.21s
346:	learn: 1.1049227	total: 2.23s	remaining: 4.2s
347:	learn: 1.1021896	total: 2.24s	remaining: 4.19s
348:	learn: 1.0990849	total: 2.24s	remaining: 4.18s
349:	learn: 1.0942383	total: 2.25s	remaining: 4.18s
350:	learn: 1.0917527	total: 2.26s	remaining: 4.17s
351:	learn: 1.0904202	total: 2.26s	remaining: 4.17s
352:	learn: 1.0872449	total: 2.27s	remaining: 4.16s
353:	learn: 1.0848065	total: 2.27s	remaining: 4.15s
354:	learn: 1.0815271	total: 2.28s	remaining: 4.15s
355:	learn: 1.0795655	total: 2.29s	remaining: 4.14s
356:	learn: 1.0772846	total: 2.29s	remaining: 4.13s
357:	learn: 1.0747553	total: 2.3s	remaining: 4.13s
358:	learn: 1.0733099	total: 2.31s	remaining: 4.12s
359:	learn: 1.0712542	total: 2.31s	remaining: 4.12s
360:	learn: 1.0691065	total: 2.32s	remaining: 4.11s
361:	learn: 1.0669075	total: 2.33s	remaining: 4.1s
362:	learn: 1.0638804	total: 2.33s	remaining: 4.1s
363:	learn: 1.0626114	total: 2.34s	remaining: 4.09s
364:	learn: 1.0603106	total: 2.35s	remaining: 4.09s
365:	learn: 1.0585289	total: 2.35s	remaining: 4.08s
366:	learn: 1.0569247	total: 2.36s	remaining: 4.07s
367:	learn: 1.0534295	total: 2.37s	remaining: 4.07s
368:	learn: 1.0502342	total: 2.38s	remaining: 4.06s
369:	learn: 1.0475422	total: 2.38s	remaining: 4.06s
370:	learn: 1.0454969	total: 2.39s	remaining: 4.05s
371:	learn: 1.0434394	total: 2.4s	remaining: 4.05s
372:	learn: 1.0420381	total: 2.4s	remaining: 4.04s
373:	learn: 1.0401572	total: 2.41s	remaining: 4.04s
374:	learn: 1.0377312	total: 2.42s	remaining: 4.03s
375:	learn: 1.0357065	total: 2.42s	remaining: 4.03s
376:	learn: 1.0331142	total: 2.43s	remaining: 4.01s
377:	learn: 1.0306838	total: 2.43s	remaining: 4s

378:	learn: 1.0283185	total: 2.43s	remaining: 3.99s
379:	learn: 1.0254584	total: 2.44s	remaining: 3.98s
380:	learn: 1.0242683	total: 2.44s	remaining: 3.97s
381:	learn: 1.0219867	total: 2.45s	remaining: 3.96s
382:	learn: 1.0199592	total: 2.45s	remaining: 3.95s
383:	learn: 1.0179382	total: 2.46s	remaining: 3.95s
384:	learn: 1.0153499	total: 2.47s	remaining: 3.94s
385:	learn: 1.0132434	total: 2.47s	remaining: 3.93s
386:	learn: 1.0113494	total: 2.48s	remaining: 3.93s
387:	learn: 1.0098104	total: 2.49s	remaining: 3.92s
388:	learn: 1.0078352	total: 2.49s	remaining: 3.92s
389:	learn: 1.0062674	total: 2.5s	remaining: 3.91s
390:	learn: 1.0051465	total: 2.51s	remaining: 3.9s
391:	learn: 1.0026583	total: 2.51s	remaining: 3.9s
392:	learn: 1.0003712	total: 2.52s	remaining: 3.9s
393:	learn: 0.9984345	total: 2.53s	remaining: 3.89s
394:	learn: 0.9971795	total: 2.54s	remaining: 3.88s
395:	learn: 0.9953328	total: 2.54s	remaining: 3.87s
396:	learn: 0.9933737	total: 2.55s	remaining: 3.87s
397:	learn: 0.9917080	total: 2.56s	remaining: 3.87s
398:	learn: 0.9892533	total: 2.57s	remaining: 3.87s
399:	learn: 0.9879441	total: 2.58s	remaining: 3.86s
400:	learn: 0.9866812	total: 2.58s	remaining: 3.85s
401:	learn: 0.9857217	total: 2.59s	remaining: 3.85s
402:	learn: 0.9834003	total: 2.59s	remaining: 3.84s
403:	learn: 0.9818419	total: 2.6s	remaining: 3.84s
404:	learn: 0.9803383	total: 2.6s	remaining: 3.83s
405:	learn: 0.9778804	total: 2.61s	remaining: 3.82s
406:	learn: 0.9746481	total: 2.62s	remaining: 3.81s
407:	learn: 0.9727330	total: 2.62s	remaining: 3.81s
408:	learn: 0.9711325	total: 2.63s	remaining: 3.8s
409:	learn: 0.9697590	total: 2.63s	remaining: 3.79s
410:	learn: 0.9675243	total: 2.64s	remaining: 3.78s
411:	learn: 0.9656501	total: 2.65s	remaining: 3.78s
412:	learn: 0.9635351	total: 2.65s	remaining: 3.77s
413:	learn: 0.9610986	total: 2.66s	remaining: 3.76s
414:	learn: 0.9583009	total: 2.67s	remaining: 3.76s
415:	learn: 0.9570998	total: 2.67s	remaining: 3.75s
416:	learn: 0.9550622	total: 2.68s	remaining: 3.74s
417:	learn: 0.9535617	total: 2.69s	remaining: 3.74s
418:	learn: 0.9510155	total: 2.69s	remaining: 3.73s
419:	learn: 0.9498134	total: 2.7s	remaining: 3.73s
420:	learn: 0.9468539	total: 2.7s	remaining: 3.72s
421:	learn: 0.9456523	total: 2.71s	remaining: 3.71s
422:	learn: 0.9437206	total: 2.72s	remaining: 3.71s
423:	learn: 0.9421254	total: 2.72s	remaining: 3.7s
424:	learn: 0.9409294	total: 2.73s	remaining: 3.69s
425:	learn: 0.9385828	total: 2.73s	remaining: 3.69s
426:	learn: 0.9356006	total: 2.74s	remaining: 3.68s
427:	learn: 0.9337959	total: 2.75s	remaining: 3.67s
428:	learn: 0.9322764	total: 2.75s	remaining: 3.67s
429:	learn: 0.9314315	total: 2.76s	remaining: 3.66s
430:	learn: 0.9296478	total: 2.77s	remaining: 3.65s
431:	learn: 0.9280946	total: 2.77s	remaining: 3.65s
432:	learn: 0.9268878	total: 2.78s	remaining: 3.64s
433:	learn: 0.9256479	total: 2.79s	remaining: 3.64s
434:	learn: 0.9248553	total: 2.79s	remaining: 3.63s
435:	learn: 0.9236745	total: 2.8s	remaining: 3.63s
436:	learn: 0.9221669	total: 2.81s	remaining: 3.62s
437:	learn: 0.9208074	total: 2.81s	remaining: 3.6s

438:	learn: 0.9193380	total: 2.81s	remaining: 3.6s
439:	learn: 0.9185795	total: 2.82s	remaining: 3.59s
440:	learn: 0.9181424	total: 2.82s	remaining: 3.58s
441:	learn: 0.9163893	total: 2.83s	remaining: 3.57s
442:	learn: 0.9155079	total: 2.84s	remaining: 3.57s
443:	learn: 0.9138255	total: 2.84s	remaining: 3.56s
444:	learn: 0.9120466	total: 2.85s	remaining: 3.56s
445:	learn: 0.9102231	total: 2.86s	remaining: 3.55s
446:	learn: 0.9076182	total: 2.87s	remaining: 3.55s
447:	learn: 0.9063753	total: 2.88s	remaining: 3.54s
448:	learn: 0.9047634	total: 2.88s	remaining: 3.54s
449:	learn: 0.9037838	total: 2.89s	remaining: 3.53s
450:	learn: 0.9021052	total: 2.9s	remaining: 3.53s
451:	learn: 0.9006982	total: 2.9s	remaining: 3.52s
452:	learn: 0.8996547	total: 2.91s	remaining: 3.51s
453:	learn: 0.8987499	total: 2.92s	remaining: 3.51s
454:	learn: 0.8976762	total: 2.92s	remaining: 3.5s
455:	learn: 0.8950241	total: 2.93s	remaining: 3.5s
456:	learn: 0.8936054	total: 2.94s	remaining: 3.49s
457:	learn: 0.8916313	total: 2.94s	remaining: 3.48s
458:	learn: 0.8908676	total: 2.95s	remaining: 3.48s
459:	learn: 0.8878331	total: 2.96s	remaining: 3.47s
460:	learn: 0.8863432	total: 2.97s	remaining: 3.47s
461:	learn: 0.8849474	total: 2.97s	remaining: 3.46s
462:	learn: 0.8838629	total: 2.98s	remaining: 3.46s
463:	learn: 0.8824744	total: 2.99s	remaining: 3.45s
464:	learn: 0.8796443	total: 3s	remaining: 3.45s
465:	learn: 0.8767598	total: 3s	remaining: 3.44s
466:	learn: 0.8756351	total: 3.01s	remaining: 3.44s
467:	learn: 0.8744600	total: 3.01s	remaining: 3.43s
468:	learn: 0.8734845	total: 3.02s	remaining: 3.42s
469:	learn: 0.8720713	total: 3.02s	remaining: 3.41s
470:	learn: 0.8697833	total: 3.02s	remaining: 3.4s
471:	learn: 0.8686563	total: 3.03s	remaining: 3.39s
472:	learn: 0.8666628	total: 3.04s	remaining: 3.38s
473:	learn: 0.8654002	total: 3.04s	remaining: 3.38s
474:	learn: 0.8641103	total: 3.05s	remaining: 3.37s
475:	learn: 0.8624844	total: 3.06s	remaining: 3.37s
476:	learn: 0.8619905	total: 3.06s	remaining: 3.36s
477:	learn: 0.8606521	total: 3.07s	remaining: 3.35s
478:	learn: 0.8597567	total: 3.08s	remaining: 3.35s
479:	learn: 0.8581779	total: 3.08s	remaining: 3.34s
480:	learn: 0.8563695	total: 3.09s	remaining: 3.33s
481:	learn: 0.8555452	total: 3.09s	remaining: 3.32s
482:	learn: 0.8539311	total: 3.1s	remaining: 3.32s
483:	learn: 0.8530535	total: 3.1s	remaining: 3.31s
484:	learn: 0.8510620	total: 3.11s	remaining: 3.3s
485:	learn: 0.8497948	total: 3.12s	remaining: 3.3s
486:	learn: 0.8481486	total: 3.13s	remaining: 3.29s
487:	learn: 0.8459958	total: 3.13s	remaining: 3.29s
488:	learn: 0.8449892	total: 3.14s	remaining: 3.28s
489:	learn: 0.8431682	total: 3.15s	remaining: 3.27s
490:	learn: 0.8423572	total: 3.15s	remaining: 3.27s
491:	learn: 0.8414246	total: 3.16s	remaining: 3.26s
492:	learn: 0.8405461	total: 3.17s	remaining: 3.25s
493:	learn: 0.8392289	total: 3.17s	remaining: 3.25s
494:	learn: 0.8378082	total: 3.18s	remaining: 3.24s
495:	learn: 0.8366879	total: 3.19s	remaining: 3.24s
496:	learn: 0.8351955	total: 3.19s	remaining: 3.23s
497:	learn: 0.8345032	total: 3.2s	remaining: 3.23s

498:	learn: 0.8325676	total: 3.21s	remaining: 3.22s
499:	learn: 0.8302309	total: 3.21s	remaining: 3.21s
500:	learn: 0.8283170	total: 3.21s	remaining: 3.2s
501:	learn: 0.8273049	total: 3.22s	remaining: 3.19s
502:	learn: 0.8252636	total: 3.22s	remaining: 3.18s
503:	learn: 0.8235786	total: 3.23s	remaining: 3.17s
504:	learn: 0.8218032	total: 3.23s	remaining: 3.17s
505:	learn: 0.8201164	total: 3.24s	remaining: 3.16s
506:	learn: 0.8186693	total: 3.24s	remaining: 3.15s
507:	learn: 0.8175642	total: 3.25s	remaining: 3.15s
508:	learn: 0.8162228	total: 3.26s	remaining: 3.14s
509:	learn: 0.8145793	total: 3.26s	remaining: 3.13s
510:	learn: 0.8128938	total: 3.27s	remaining: 3.13s
511:	learn: 0.8115221	total: 3.28s	remaining: 3.12s
512:	learn: 0.8104448	total: 3.28s	remaining: 3.12s
513:	learn: 0.8094443	total: 3.29s	remaining: 3.11s
514:	learn: 0.8085653	total: 3.3s	remaining: 3.1s
515:	learn: 0.8074096	total: 3.3s	remaining: 3.1s
516:	learn: 0.8062211	total: 3.31s	remaining: 3.09s
517:	learn: 0.8054397	total: 3.32s	remaining: 3.09s
518:	learn: 0.8046084	total: 3.32s	remaining: 3.08s
519:	learn: 0.8035494	total: 3.33s	remaining: 3.08s
520:	learn: 0.8024172	total: 3.34s	remaining: 3.07s
521:	learn: 0.8012443	total: 3.35s	remaining: 3.06s
522:	learn: 0.8007141	total: 3.35s	remaining: 3.06s
523:	learn: 0.7998170	total: 3.36s	remaining: 3.05s
524:	learn: 0.7991080	total: 3.37s	remaining: 3.04s
525:	learn: 0.7981407	total: 3.37s	remaining: 3.04s
526:	learn: 0.7970882	total: 3.38s	remaining: 3.03s
527:	learn: 0.7955520	total: 3.39s	remaining: 3.03s
528:	learn: 0.7941874	total: 3.39s	remaining: 3.02s
529:	learn: 0.7932665	total: 3.4s	remaining: 3.02s
530:	learn: 0.7922604	total: 3.41s	remaining: 3.01s
531:	learn: 0.7908553	total: 3.42s	remaining: 3s
532:	learn: 0.7892009	total: 3.42s	remaining: 3s
533:	learn: 0.7886571	total: 3.42s	remaining: 2.98s
534:	learn: 0.7870719	total: 3.42s	remaining: 2.98s
535:	learn: 0.7860019	total: 3.43s	remaining: 2.97s
536:	learn: 0.7845349	total: 3.43s	remaining: 2.96s
537:	learn: 0.7827165	total: 3.44s	remaining: 2.95s
538:	learn: 0.7818128	total: 3.44s	remaining: 2.95s
539:	learn: 0.7809924	total: 3.45s	remaining: 2.94s
540:	learn: 0.7802367	total: 3.46s	remaining: 2.93s
541:	learn: 0.7790314	total: 3.46s	remaining: 2.93s
542:	learn: 0.7781004	total: 3.47s	remaining: 2.92s
543:	learn: 0.7765776	total: 3.48s	remaining: 2.91s
544:	learn: 0.7756263	total: 3.48s	remaining: 2.91s
545:	learn: 0.7741208	total: 3.49s	remaining: 2.9s
546:	learn: 0.7732073	total: 3.5s	remaining: 2.9s
547:	learn: 0.7727052	total: 3.5s	remaining: 2.89s
548:	learn: 0.7717784	total: 3.51s	remaining: 2.88s
549:	learn: 0.7708920	total: 3.52s	remaining: 2.88s
550:	learn: 0.7702257	total: 3.52s	remaining: 2.87s
551:	learn: 0.7694456	total: 3.53s	remaining: 2.87s
552:	learn: 0.7684590	total: 3.54s	remaining: 2.86s
553:	learn: 0.7674558	total: 3.55s	remaining: 2.85s
554:	learn: 0.7665635	total: 3.55s	remaining: 2.85s
555:	learn: 0.7655801	total: 3.56s	remaining: 2.84s
556:	learn: 0.7644807	total: 3.57s	remaining: 2.84s
557:	learn: 0.7635563	total: 3.57s	remaining: 2.83s

558:	learn: 0.7623200	total: 3.58s	remaining: 2.83s
559:	learn: 0.7616001	total: 3.59s	remaining: 2.82s
560:	learn: 0.7601818	total: 3.6s	remaining: 2.81s
561:	learn: 0.7592788	total: 3.6s	remaining: 2.81s
562:	learn: 0.7582910	total: 3.61s	remaining: 2.8s
563:	learn: 0.7576839	total: 3.61s	remaining: 2.79s
564:	learn: 0.7565668	total: 3.62s	remaining: 2.79s
565:	learn: 0.7555020	total: 3.62s	remaining: 2.78s
566:	learn: 0.7542437	total: 3.62s	remaining: 2.77s
567:	learn: 0.7533099	total: 3.63s	remaining: 2.76s
568:	learn: 0.7520729	total: 3.63s	remaining: 2.75s
569:	learn: 0.7512779	total: 3.64s	remaining: 2.75s
570:	learn: 0.7502779	total: 3.65s	remaining: 2.74s
571:	learn: 0.7496052	total: 3.65s	remaining: 2.73s
572:	learn: 0.7479835	total: 3.66s	remaining: 2.73s
573:	learn: 0.7476231	total: 3.66s	remaining: 2.72s
574:	learn: 0.7465030	total: 3.67s	remaining: 2.71s
575:	learn: 0.7445512	total: 3.68s	remaining: 2.71s
576:	learn: 0.7436623	total: 3.69s	remaining: 2.7s
577:	learn: 0.7425772	total: 3.69s	remaining: 2.7s
578:	learn: 0.7412787	total: 3.7s	remaining: 2.69s
579:	learn: 0.7404142	total: 3.71s	remaining: 2.69s
580:	learn: 0.7396413	total: 3.72s	remaining: 2.68s
581:	learn: 0.7381953	total: 3.72s	remaining: 2.67s
582:	learn: 0.7373258	total: 3.73s	remaining: 2.67s
583:	learn: 0.7360402	total: 3.74s	remaining: 2.66s
584:	learn: 0.7345250	total: 3.75s	remaining: 2.66s
585:	learn: 0.7334720	total: 3.75s	remaining: 2.65s
586:	learn: 0.7326949	total: 3.76s	remaining: 2.64s
587:	learn: 0.7317112	total: 3.76s	remaining: 2.63s
588:	learn: 0.7308089	total: 3.76s	remaining: 2.63s
589:	learn: 0.7295170	total: 3.77s	remaining: 2.62s
590:	learn: 0.7281723	total: 3.77s	remaining: 2.61s
591:	learn: 0.7272552	total: 3.77s	remaining: 2.6s
592:	learn: 0.7261332	total: 3.78s	remaining: 2.59s
593:	learn: 0.7253471	total: 3.79s	remaining: 2.59s
594:	learn: 0.7247067	total: 3.79s	remaining: 2.58s
595:	learn: 0.7237978	total: 3.8s	remaining: 2.58s
596:	learn: 0.7229172	total: 3.81s	remaining: 2.57s
597:	learn: 0.7220440	total: 3.81s	remaining: 2.56s
598:	learn: 0.7210579	total: 3.82s	remaining: 2.56s
599:	learn: 0.7207124	total: 3.83s	remaining: 2.55s
600:	learn: 0.7198284	total: 3.83s	remaining: 2.54s
601:	learn: 0.7195635	total: 3.84s	remaining: 2.54s
602:	learn: 0.7189215	total: 3.85s	remaining: 2.53s
603:	learn: 0.7180755	total: 3.85s	remaining: 2.53s
604:	learn: 0.7173739	total: 3.86s	remaining: 2.52s
605:	learn: 0.7167552	total: 3.87s	remaining: 2.51s
606:	learn: 0.7164365	total: 3.87s	remaining: 2.51s
607:	learn: 0.7150193	total: 3.88s	remaining: 2.5s
608:	learn: 0.7142484	total: 3.89s	remaining: 2.49s
609:	learn: 0.7133248	total: 3.89s	remaining: 2.49s
610:	learn: 0.7128259	total: 3.9s	remaining: 2.48s
611:	learn: 0.7121207	total: 3.91s	remaining: 2.48s
612:	learn: 0.7114766	total: 3.92s	remaining: 2.47s
613:	learn: 0.7108072	total: 3.92s	remaining: 2.46s
614:	learn: 0.7101652	total: 3.93s	remaining: 2.46s
615:	learn: 0.7093417	total: 3.93s	remaining: 2.45s
616:	learn: 0.7086312	total: 3.94s	remaining: 2.45s
617:	learn: 0.7078399	total: 3.95s	remaining: 2.44s

618:	learn: 0.7066103	total: 3.95s	remaining: 2.43s
619:	learn: 0.7059847	total: 3.96s	remaining: 2.43s
620:	learn: 0.7053869	total: 3.97s	remaining: 2.42s
621:	learn: 0.7048440	total: 3.98s	remaining: 2.42s
622:	learn: 0.7042338	total: 3.98s	remaining: 2.41s
623:	learn: 0.7035551	total: 3.99s	remaining: 2.4s
624:	learn: 0.7029103	total: 4s	remaining: 2.4s
625:	learn: 0.7020411	total: 4s	remaining: 2.39s
626:	learn: 0.7014127	total: 4.01s	remaining: 2.38s
627:	learn: 0.6998367	total: 4.02s	remaining: 2.38s
628:	learn: 0.6992209	total: 4.03s	remaining: 2.37s
629:	learn: 0.6984949	total: 4.03s	remaining: 2.37s
630:	learn: 0.6977090	total: 4.04s	remaining: 2.36s
631:	learn: 0.6970369	total: 4.04s	remaining: 2.35s
632:	learn: 0.6963424	total: 4.05s	remaining: 2.35s
633:	learn: 0.6957687	total: 4.05s	remaining: 2.34s
634:	learn: 0.6947272	total: 4.05s	remaining: 2.33s
635:	learn: 0.6940731	total: 4.06s	remaining: 2.32s
636:	learn: 0.6936410	total: 4.06s	remaining: 2.32s
637:	learn: 0.6933898	total: 4.07s	remaining: 2.31s
638:	learn: 0.6922550	total: 4.08s	remaining: 2.3s
639:	learn: 0.6913960	total: 4.08s	remaining: 2.3s
640:	learn: 0.6904443	total: 4.09s	remaining: 2.29s
641:	learn: 0.6892155	total: 4.09s	remaining: 2.28s
642:	learn: 0.6882957	total: 4.1s	remaining: 2.28s
643:	learn: 0.6878259	total: 4.11s	remaining: 2.27s
644:	learn: 0.6871626	total: 4.12s	remaining: 2.27s
645:	learn: 0.6860388	total: 4.12s	remaining: 2.26s
646:	learn: 0.6849651	total: 4.13s	remaining: 2.25s
647:	learn: 0.6844828	total: 4.14s	remaining: 2.25s
648:	learn: 0.6839842	total: 4.14s	remaining: 2.24s
649:	learn: 0.6837453	total: 4.15s	remaining: 2.23s
650:	learn: 0.6831544	total: 4.16s	remaining: 2.23s
651:	learn: 0.6824804	total: 4.16s	remaining: 2.22s
652:	learn: 0.6820508	total: 4.17s	remaining: 2.21s
653:	learn: 0.6814792	total: 4.17s	remaining: 2.21s
654:	learn: 0.6806871	total: 4.18s	remaining: 2.2s
655:	learn: 0.6802425	total: 4.19s	remaining: 2.2s
656:	learn: 0.6792797	total: 4.2s	remaining: 2.19s
657:	learn: 0.6784378	total: 4.2s	remaining: 2.19s
658:	learn: 0.6777644	total: 4.21s	remaining: 2.18s
659:	learn: 0.6763442	total: 4.22s	remaining: 2.17s
660:	learn: 0.6757015	total: 4.23s	remaining: 2.17s
661:	learn: 0.6751527	total: 4.24s	remaining: 2.16s
662:	learn: 0.6741991	total: 4.24s	remaining: 2.15s
663:	learn: 0.6735747	total: 4.24s	remaining: 2.15s
664:	learn: 0.6730015	total: 4.25s	remaining: 2.14s
665:	learn: 0.6726765	total: 4.25s	remaining: 2.13s
666:	learn: 0.6720390	total: 4.26s	remaining: 2.13s
667:	learn: 0.6714134	total: 4.26s	remaining: 2.12s
668:	learn: 0.6706532	total: 4.27s	remaining: 2.11s
669:	learn: 0.6698587	total: 4.28s	remaining: 2.1s
670:	learn: 0.6691074	total: 4.28s	remaining: 2.1s
671:	learn: 0.6686923	total: 4.29s	remaining: 2.09s
672:	learn: 0.6679811	total: 4.29s	remaining: 2.09s
673:	learn: 0.6671897	total: 4.3s	remaining: 2.08s
674:	learn: 0.6663189	total: 4.31s	remaining: 2.07s
675:	learn: 0.6649782	total: 4.31s	remaining: 2.07s
676:	learn: 0.6638832	total: 4.32s	remaining: 2.06s
677:	learn: 0.6632489	total: 4.33s	remaining: 2.05s

678:	learn: 0.6626516	total: 4.33s	remaining: 2.05s
679:	learn: 0.6617857	total: 4.34s	remaining: 2.04s
680:	learn: 0.6612687	total: 4.35s	remaining: 2.04s
681:	learn: 0.6606383	total: 4.36s	remaining: 2.03s
682:	learn: 0.6596538	total: 4.37s	remaining: 2.03s
683:	learn: 0.6589933	total: 4.38s	remaining: 2.02s
684:	learn: 0.6582140	total: 4.38s	remaining: 2.02s
685:	learn: 0.6576404	total: 4.39s	remaining: 2.01s
686:	learn: 0.6568439	total: 4.4s	remaining: 2s
687:	learn: 0.6564704	total: 4.41s	remaining: 2s
688:	learn: 0.6553998	total: 4.41s	remaining: 1.99s
689:	learn: 0.6540038	total: 4.42s	remaining: 1.99s
690:	learn: 0.6533962	total: 4.43s	remaining: 1.98s
691:	learn: 0.6526010	total: 4.44s	remaining: 1.98s
692:	learn: 0.6521649	total: 4.45s	remaining: 1.97s
693:	learn: 0.6513972	total: 4.45s	remaining: 1.96s
694:	learn: 0.6506226	total: 4.45s	remaining: 1.95s
695:	learn: 0.6498597	total: 4.46s	remaining: 1.95s
696:	learn: 0.6493774	total: 4.46s	remaining: 1.94s
697:	learn: 0.6488510	total: 4.47s	remaining: 1.93s
698:	learn: 0.6480470	total: 4.48s	remaining: 1.93s
699:	learn: 0.6472772	total: 4.49s	remaining: 1.92s
700:	learn: 0.6466738	total: 4.49s	remaining: 1.92s
701:	learn: 0.6458644	total: 4.5s	remaining: 1.91s
702:	learn: 0.6454091	total: 4.51s	remaining: 1.91s
703:	learn: 0.6448884	total: 4.52s	remaining: 1.9s
704:	learn: 0.6441792	total: 4.53s	remaining: 1.89s
705:	learn: 0.6437279	total: 4.54s	remaining: 1.89s
706:	learn: 0.6432919	total: 4.54s	remaining: 1.88s
707:	learn: 0.6427060	total: 4.55s	remaining: 1.88s
708:	learn: 0.6422161	total: 4.56s	remaining: 1.87s
709:	learn: 0.6417603	total: 4.57s	remaining: 1.87s
710:	learn: 0.6407527	total: 4.58s	remaining: 1.86s
711:	learn: 0.6401823	total: 4.59s	remaining: 1.85s
712:	learn: 0.6390837	total: 4.59s	remaining: 1.85s
713:	learn: 0.6384657	total: 4.6s	remaining: 1.84s
714:	learn: 0.6379473	total: 4.61s	remaining: 1.84s
715:	learn: 0.6375421	total: 4.62s	remaining: 1.83s
716:	learn: 0.6366778	total: 4.63s	remaining: 1.83s
717:	learn: 0.6362157	total: 4.64s	remaining: 1.82s
718:	learn: 0.6356724	total: 4.64s	remaining: 1.81s
719:	learn: 0.6350525	total: 4.65s	remaining: 1.81s
720:	learn: 0.6344001	total: 4.66s	remaining: 1.8s
721:	learn: 0.6336774	total: 4.66s	remaining: 1.79s
722:	learn: 0.6327410	total: 4.67s	remaining: 1.79s
723:	learn: 0.6322895	total: 4.67s	remaining: 1.78s
724:	learn: 0.6318875	total: 4.67s	remaining: 1.77s
725:	learn: 0.6313620	total: 4.68s	remaining: 1.77s
726:	learn: 0.6308664	total: 4.68s	remaining: 1.76s
727:	learn: 0.6303057	total: 4.69s	remaining: 1.75s
728:	learn: 0.6298695	total: 4.7s	remaining: 1.75s
729:	learn: 0.6294780	total: 4.71s	remaining: 1.74s
730:	learn: 0.6284491	total: 4.71s	remaining: 1.73s
731:	learn: 0.6279488	total: 4.72s	remaining: 1.73s
732:	learn: 0.6272870	total: 4.73s	remaining: 1.72s
733:	learn: 0.6266725	total: 4.74s	remaining: 1.72s
734:	learn: 0.6254970	total: 4.74s	remaining: 1.71s
735:	learn: 0.6250112	total: 4.75s	remaining: 1.7s
736:	learn: 0.6245972	total: 4.76s	remaining: 1.7s
737:	learn: 0.6241038	total: 4.77s	remaining: 1.69s

738:	learn: 0.6238493	total: 4.78s	remaining: 1.69s
739:	learn: 0.6229090	total: 4.78s	remaining: 1.68s
740:	learn: 0.6223474	total: 4.79s	remaining: 1.67s
741:	learn: 0.6219068	total: 4.8s	remaining: 1.67s
742:	learn: 0.6213236	total: 4.8s	remaining: 1.66s
743:	learn: 0.6208613	total: 4.81s	remaining: 1.66s
744:	learn: 0.6197793	total: 4.82s	remaining: 1.65s
745:	learn: 0.6192309	total: 4.83s	remaining: 1.65s
746:	learn: 0.6187947	total: 4.84s	remaining: 1.64s
747:	learn: 0.6181553	total: 4.84s	remaining: 1.63s
748:	learn: 0.6170977	total: 4.85s	remaining: 1.62s
749:	learn: 0.6163625	total: 4.85s	remaining: 1.62s
750:	learn: 0.6158230	total: 4.85s	remaining: 1.61s
751:	learn: 0.6152772	total: 4.86s	remaining: 1.6s
752:	learn: 0.6148468	total: 4.86s	remaining: 1.59s
753:	learn: 0.6143010	total: 4.87s	remaining: 1.59s
754:	learn: 0.6136961	total: 4.88s	remaining: 1.58s
755:	learn: 0.6125589	total: 4.88s	remaining: 1.57s
756:	learn: 0.6117258	total: 4.89s	remaining: 1.57s
757:	learn: 0.6110974	total: 4.9s	remaining: 1.56s
758:	learn: 0.6108629	total: 4.9s	remaining: 1.56s
759:	learn: 0.6104259	total: 4.91s	remaining: 1.55s
760:	learn: 0.6097580	total: 4.92s	remaining: 1.54s
761:	learn: 0.6092591	total: 4.92s	remaining: 1.54s
762:	learn: 0.6084934	total: 4.93s	remaining: 1.53s
763:	learn: 0.6079077	total: 4.93s	remaining: 1.52s
764:	learn: 0.6076621	total: 4.94s	remaining: 1.52s
765:	learn: 0.6072226	total: 4.95s	remaining: 1.51s
766:	learn: 0.6066984	total: 4.95s	remaining: 1.5s
767:	learn: 0.6063147	total: 4.96s	remaining: 1.5s
768:	learn: 0.6059001	total: 4.96s	remaining: 1.49s
769:	learn: 0.6054168	total: 4.97s	remaining: 1.49s
770:	learn: 0.6050230	total: 4.98s	remaining: 1.48s
771:	learn: 0.6044511	total: 4.98s	remaining: 1.47s
772:	learn: 0.6040859	total: 4.99s	remaining: 1.47s
773:	learn: 0.6035600	total: 5s	remaining: 1.46s
774:	learn: 0.6026417	total: 5s	remaining: 1.45s
775:	learn: 0.6022094	total: 5.01s	remaining: 1.45s
776:	learn: 0.6014601	total: 5.02s	remaining: 1.44s
777:	learn: 0.6009810	total: 5.02s	remaining: 1.43s
778:	learn: 0.6007380	total: 5.03s	remaining: 1.43s
779:	learn: 0.6004432	total: 5.04s	remaining: 1.42s
780:	learn: 0.5998597	total: 5.04s	remaining: 1.41s
781:	learn: 0.5993309	total: 5.05s	remaining: 1.41s
782:	learn: 0.5985319	total: 5.05s	remaining: 1.4s
783:	learn: 0.5981161	total: 5.06s	remaining: 1.39s
784:	learn: 0.5975501	total: 5.06s	remaining: 1.39s
785:	learn: 0.5972734	total: 5.07s	remaining: 1.38s
786:	learn: 0.5967967	total: 5.07s	remaining: 1.37s
787:	learn: 0.5964448	total: 5.08s	remaining: 1.37s
788:	learn: 0.5961197	total: 5.08s	remaining: 1.36s
789:	learn: 0.5952969	total: 5.09s	remaining: 1.35s
790:	learn: 0.5948191	total: 5.1s	remaining: 1.35s
791:	learn: 0.5943564	total: 5.1s	remaining: 1.34s
792:	learn: 0.5939332	total: 5.11s	remaining: 1.33s
793:	learn: 0.5932741	total: 5.12s	remaining: 1.33s
794:	learn: 0.5930927	total: 5.13s	remaining: 1.32s
795:	learn: 0.5924287	total: 5.13s	remaining: 1.31s
796:	learn: 0.5921129	total: 5.14s	remaining: 1.31s
797:	learn: 0.5916271	total: 5.15s	remaining: 1.3s

798:	learn: 0.5913386	total: 5.16s	remaining: 1.3s
799:	learn: 0.5911972	total: 5.17s	remaining: 1.29s
800:	learn: 0.5908617	total: 5.17s	remaining: 1.28s
801:	learn: 0.5906436	total: 5.18s	remaining: 1.28s
802:	learn: 0.5901514	total: 5.19s	remaining: 1.27s
803:	learn: 0.5898247	total: 5.19s	remaining: 1.27s
804:	learn: 0.5891946	total: 5.2s	remaining: 1.26s
805:	learn: 0.5886583	total: 5.2s	remaining: 1.25s
806:	learn: 0.5876373	total: 5.21s	remaining: 1.25s
807:	learn: 0.5866710	total: 5.21s	remaining: 1.24s
808:	learn: 0.5857817	total: 5.21s	remaining: 1.23s
809:	learn: 0.5853043	total: 5.22s	remaining: 1.22s
810:	learn: 0.5847747	total: 5.22s	remaining: 1.22s
811:	learn: 0.5844238	total: 5.23s	remaining: 1.21s
812:	learn: 0.5840320	total: 5.24s	remaining: 1.2s
813:	learn: 0.5836389	total: 5.24s	remaining: 1.2s
814:	learn: 0.5833158	total: 5.25s	remaining: 1.19s
815:	learn: 0.5830259	total: 5.25s	remaining: 1.19s
816:	learn: 0.5825587	total: 5.26s	remaining: 1.18s
817:	learn: 0.5821116	total: 5.27s	remaining: 1.17s
818:	learn: 0.5816804	total: 5.28s	remaining: 1.17s
819:	learn: 0.5813964	total: 5.28s	remaining: 1.16s
820:	learn: 0.5809823	total: 5.29s	remaining: 1.15s
821:	learn: 0.5805594	total: 5.29s	remaining: 1.15s
822:	learn: 0.5801507	total: 5.3s	remaining: 1.14s
823:	learn: 0.5792926	total: 5.31s	remaining: 1.13s
824:	learn: 0.5783726	total: 5.32s	remaining: 1.13s
825:	learn: 0.5779587	total: 5.32s	remaining: 1.12s
826:	learn: 0.5774252	total: 5.33s	remaining: 1.11s
827:	learn: 0.5770815	total: 5.34s	remaining: 1.11s
828:	learn: 0.5765553	total: 5.34s	remaining: 1.1s
829:	learn: 0.5761553	total: 5.35s	remaining: 1.09s
830:	learn: 0.5758873	total: 5.36s	remaining: 1.09s
831:	learn: 0.5755336	total: 5.37s	remaining: 1.08s
832:	learn: 0.5752158	total: 5.37s	remaining: 1.08s
833:	learn: 0.5745982	total: 5.38s	remaining: 1.07s
834:	learn: 0.5739713	total: 5.39s	remaining: 1.06s
835:	learn: 0.5734577	total: 5.4s	remaining: 1.06s
836:	learn: 0.5731508	total: 5.41s	remaining: 1.05s
837:	learn: 0.5726951	total: 5.41s	remaining: 1.05s
838:	learn: 0.5723422	total: 5.42s	remaining: 1.04s
839:	learn: 0.5720169	total: 5.42s	remaining: 1.03s
840:	learn: 0.5717698	total: 5.42s	remaining: 1.02s
841:	learn: 0.5714625	total: 5.43s	remaining: 1.02s
842:	learn: 0.5710961	total: 5.43s	remaining: 1.01s
843:	learn: 0.5708315	total: 5.44s	remaining: 1s
844:	learn: 0.5702597	total: 5.44s	remaining: 999ms
845:	learn: 0.5699934	total: 5.45s	remaining: 992ms
846:	learn: 0.5694316	total: 5.45s	remaining: 985ms
847:	learn: 0.5689132	total: 5.46s	remaining: 979ms
848:	learn: 0.5684741	total: 5.47s	remaining: 972ms
849:	learn: 0.5679587	total: 5.47s	remaining: 966ms
850:	learn: 0.5675456	total: 5.48s	remaining: 960ms
851:	learn: 0.5671421	total: 5.49s	remaining: 954ms
852:	learn: 0.5666592	total: 5.5s	remaining: 947ms
853:	learn: 0.5662049	total: 5.5s	remaining: 941ms
854:	learn: 0.5655050	total: 5.51s	remaining: 935ms
855:	learn: 0.5651327	total: 5.52s	remaining: 929ms
856:	learn: 0.5648951	total: 5.53s	remaining: 923ms
857:	learn: 0.5644931	total: 5.54s	remaining: 916ms

858:	learn: 0.5640286	total: 5.54s	remaining: 910ms
859:	learn: 0.5636550	total: 5.55s	remaining: 903ms
860:	learn: 0.5632614	total: 5.55s	remaining: 897ms
861:	learn: 0.5630338	total: 5.56s	remaining: 890ms
862:	learn: 0.5625935	total: 5.56s	remaining: 883ms
863:	learn: 0.5624300	total: 5.57s	remaining: 876ms
864:	learn: 0.5621086	total: 5.57s	remaining: 870ms
865:	learn: 0.5616992	total: 5.58s	remaining: 863ms
866:	learn: 0.5612470	total: 5.58s	remaining: 856ms
867:	learn: 0.5608069	total: 5.58s	remaining: 849ms
868:	learn: 0.5601471	total: 5.59s	remaining: 842ms
869:	learn: 0.5599670	total: 5.59s	remaining: 836ms
870:	learn: 0.5596457	total: 5.6s	remaining: 829ms
871:	learn: 0.5592724	total: 5.61s	remaining: 823ms
872:	learn: 0.5584360	total: 5.61s	remaining: 817ms
873:	learn: 0.5582201	total: 5.62s	remaining: 810ms
874:	learn: 0.5578584	total: 5.62s	remaining: 803ms
875:	learn: 0.5574243	total: 5.62s	remaining: 796ms
876:	learn: 0.5570628	total: 5.63s	remaining: 789ms
877:	learn: 0.5569754	total: 5.63s	remaining: 782ms
878:	learn: 0.5566113	total: 5.64s	remaining: 776ms
879:	learn: 0.5562231	total: 5.65s	remaining: 770ms
880:	learn: 0.5555033	total: 5.65s	remaining: 764ms
881:	learn: 0.5551087	total: 5.66s	remaining: 757ms
882:	learn: 0.5546715	total: 5.67s	remaining: 751ms
883:	learn: 0.5544140	total: 5.68s	remaining: 745ms
884:	learn: 0.5540558	total: 5.68s	remaining: 739ms
885:	learn: 0.5534990	total: 5.69s	remaining: 732ms
886:	learn: 0.5532676	total: 5.69s	remaining: 726ms
887:	learn: 0.5530282	total: 5.7s	remaining: 719ms
888:	learn: 0.5527434	total: 5.71s	remaining: 713ms
889:	learn: 0.5519787	total: 5.71s	remaining: 706ms
890:	learn: 0.5512370	total: 5.72s	remaining: 700ms
891:	learn: 0.5509572	total: 5.73s	remaining: 693ms
892:	learn: 0.5507246	total: 5.74s	remaining: 687ms
893:	learn: 0.5503008	total: 5.74s	remaining: 681ms
894:	learn: 0.5500730	total: 5.75s	remaining: 675ms
895:	learn: 0.5496866	total: 5.76s	remaining: 668ms
896:	learn: 0.5494653	total: 5.76s	remaining: 662ms
897:	learn: 0.5490220	total: 5.77s	remaining: 655ms
898:	learn: 0.5489956	total: 5.78s	remaining: 649ms
899:	learn: 0.5486906	total: 5.78s	remaining: 643ms
900:	learn: 0.5481452	total: 5.79s	remaining: 637ms
901:	learn: 0.5475211	total: 5.8s	remaining: 630ms
902:	learn: 0.5469375	total: 5.8s	remaining: 624ms
903:	learn: 0.5461880	total: 5.81s	remaining: 617ms
904:	learn: 0.5458110	total: 5.82s	remaining: 611ms
905:	learn: 0.5454330	total: 5.82s	remaining: 604ms
906:	learn: 0.5450911	total: 5.82s	remaining: 597ms
907:	learn: 0.5447383	total: 5.83s	remaining: 590ms
908:	learn: 0.5446632	total: 5.83s	remaining: 584ms
909:	learn: 0.5443419	total: 5.84s	remaining: 577ms
910:	learn: 0.5437317	total: 5.84s	remaining: 571ms
911:	learn: 0.5434236	total: 5.85s	remaining: 565ms
912:	learn: 0.5430557	total: 5.86s	remaining: 558ms
913:	learn: 0.5424609	total: 5.86s	remaining: 552ms
914:	learn: 0.5420619	total: 5.87s	remaining: 545ms
915:	learn: 0.5418619	total: 5.88s	remaining: 539ms
916:	learn: 0.5414273	total: 5.88s	remaining: 532ms
917:	learn: 0.5409465	total: 5.89s	remaining: 526ms

918:	learn: 0.5406239	total: 5.89s	remaining: 519ms
919:	learn: 0.5403316	total: 5.9s	remaining: 513ms
920:	learn: 0.5399962	total: 5.9s	remaining: 507ms
921:	learn: 0.5396741	total: 5.91s	remaining: 500ms
922:	learn: 0.5392800	total: 5.92s	remaining: 494ms
923:	learn: 0.5390990	total: 5.92s	remaining: 487ms
924:	learn: 0.5386705	total: 5.93s	remaining: 481ms
925:	learn: 0.5383298	total: 5.94s	remaining: 475ms
926:	learn: 0.5379681	total: 5.95s	remaining: 468ms
927:	learn: 0.5376395	total: 5.96s	remaining: 462ms
928:	learn: 0.5371480	total: 5.96s	remaining: 456ms
929:	learn: 0.5365463	total: 5.97s	remaining: 449ms
930:	learn: 0.5362228	total: 5.98s	remaining: 443ms
931:	learn: 0.5357813	total: 5.98s	remaining: 437ms
932:	learn: 0.5352835	total: 5.99s	remaining: 430ms
933:	learn: 0.5349085	total: 6s	remaining: 424ms
934:	learn: 0.5344156	total: 6.01s	remaining: 418ms
935:	learn: 0.5340445	total: 6.01s	remaining: 411ms
936:	learn: 0.5338106	total: 6.02s	remaining: 405ms
937:	learn: 0.5334782	total: 6.02s	remaining: 398ms
938:	learn: 0.5329355	total: 6.03s	remaining: 392ms
939:	learn: 0.5327082	total: 6.03s	remaining: 385ms
940:	learn: 0.5321463	total: 6.03s	remaining: 378ms
941:	learn: 0.5317898	total: 6.04s	remaining: 372ms
942:	learn: 0.5312256	total: 6.04s	remaining: 365ms
943:	learn: 0.5310065	total: 6.05s	remaining: 359ms
944:	learn: 0.5307649	total: 6.05s	remaining: 352ms
945:	learn: 0.5305503	total: 6.06s	remaining: 346ms
946:	learn: 0.5301336	total: 6.07s	remaining: 340ms
947:	learn: 0.5296492	total: 6.07s	remaining: 333ms
948:	learn: 0.5294099	total: 6.08s	remaining: 327ms
949:	learn: 0.5289660	total: 6.09s	remaining: 320ms
950:	learn: 0.5287487	total: 6.09s	remaining: 314ms
951:	learn: 0.5284304	total: 6.1s	remaining: 308ms
952:	learn: 0.5280001	total: 6.11s	remaining: 301ms
953:	learn: 0.5275904	total: 6.12s	remaining: 295ms
954:	learn: 0.5272261	total: 6.12s	remaining: 288ms
955:	learn: 0.5267218	total: 6.13s	remaining: 282ms
956:	learn: 0.5264351	total: 6.13s	remaining: 276ms
957:	learn: 0.5262648	total: 6.14s	remaining: 269ms
958:	learn: 0.5259057	total: 6.15s	remaining: 263ms
959:	learn: 0.5255756	total: 6.16s	remaining: 256ms
960:	learn: 0.5251339	total: 6.16s	remaining: 250ms
961:	learn: 0.5247638	total: 6.17s	remaining: 244ms
962:	learn: 0.5243082	total: 6.18s	remaining: 237ms
963:	learn: 0.5239925	total: 6.18s	remaining: 231ms
964:	learn: 0.5237857	total: 6.19s	remaining: 225ms
965:	learn: 0.5233870	total: 6.2s	remaining: 218ms
966:	learn: 0.5231292	total: 6.21s	remaining: 212ms
967:	learn: 0.5228029	total: 6.21s	remaining: 205ms
968:	learn: 0.5222919	total: 6.22s	remaining: 199ms
969:	learn: 0.5219913	total: 6.22s	remaining: 192ms
970:	learn: 0.5217130	total: 6.22s	remaining: 186ms
971:	learn: 0.5215137	total: 6.23s	remaining: 179ms
972:	learn: 0.5212420	total: 6.24s	remaining: 173ms
973:	learn: 0.5208197	total: 6.24s	remaining: 167ms
974:	learn: 0.5206041	total: 6.25s	remaining: 160ms
975:	learn: 0.5202962	total: 6.25s	remaining: 154ms
976:	learn: 0.5201588	total: 6.26s	remaining: 147ms
977:	learn: 0.5199588	total: 6.27s	remaining: 141ms

978:	learn: 0.5197556	total: 6.28s	remaining: 135ms
979:	learn: 0.5193459	total: 6.28s	remaining: 128ms
980:	learn: 0.5191728	total: 6.29s	remaining: 122ms
981:	learn: 0.5191526	total: 6.29s	remaining: 115ms
982:	learn: 0.5187202	total: 6.3s	remaining: 109ms
983:	learn: 0.5183406	total: 6.31s	remaining: 103ms
984:	learn: 0.5180136	total: 6.32s	remaining: 96.2ms
985:	learn: 0.5175793	total: 6.32s	remaining: 89.8ms
986:	learn: 0.5174137	total: 6.33s	remaining: 83.4ms
987:	learn: 0.5173956	total: 6.34s	remaining: 77ms
988:	learn: 0.5168893	total: 6.35s	remaining: 70.6ms
989:	learn: 0.5164848	total: 6.36s	remaining: 64.2ms
990:	learn: 0.5160133	total: 6.37s	remaining: 57.8ms
991:	learn: 0.5158704	total: 6.37s	remaining: 51.4ms
992:	learn: 0.5154791	total: 6.38s	remaining: 45ms
993:	learn: 0.5152084	total: 6.39s	remaining: 38.6ms
994:	learn: 0.5148385	total: 6.39s	remaining: 32.1ms
995:	learn: 0.5145167	total: 6.39s	remaining: 25.7ms
996:	learn: 0.5139988	total: 6.4s	remaining: 19.3ms
997:	learn: 0.5137984	total: 6.41s	remaining: 12.8ms
998:	learn: 0.5135772	total: 6.41s	remaining: 6.42ms
999:	learn: 0.5133012	total: 6.42s	remaining: 0us

Learning rate set to 0.06063

0:	learn: 59.2610050	total: 13.5ms	remaining: 13.4s
1:	learn: 56.0575891	total: 21.7ms	remaining: 10.8s
2:	learn: 53.0390927	total: 28.5ms	remaining: 9.46s
3:	learn: 50.1226170	total: 35.8ms	remaining: 8.92s
4:	learn: 47.4401818	total: 42.5ms	remaining: 8.45s
5:	learn: 44.9700194	total: 49ms	remaining: 8.12s
6:	learn: 42.5295066	total: 55.2ms	remaining: 7.83s
7:	learn: 40.3164006	total: 62.5ms	remaining: 7.75s
8:	learn: 38.2344566	total: 69.9ms	remaining: 7.7s
9:	learn: 36.2294473	total: 77.2ms	remaining: 7.64s
10:	learn: 34.3723742	total: 83.8ms	remaining: 7.53s
11:	learn: 32.6044700	total: 91ms	remaining: 7.49s
12:	learn: 30.9295099	total: 95.7ms	remaining: 7.27s
13:	learn: 29.3809907	total: 103ms	remaining: 7.26s
14:	learn: 27.8762092	total: 110ms	remaining: 7.24s
15:	learn: 26.4865670	total: 117ms	remaining: 7.19s
16:	learn: 25.1632569	total: 124ms	remaining: 7.17s
17:	learn: 23.9073271	total: 132ms	remaining: 7.18s
18:	learn: 22.7354349	total: 139ms	remaining: 7.16s
19:	learn: 21.6569933	total: 146ms	remaining: 7.15s
20:	learn: 20.6665464	total: 153ms	remaining: 7.15s
21:	learn: 19.6769717	total: 161ms	remaining: 7.15s
22:	learn: 18.7197568	total: 168ms	remaining: 7.14s
23:	learn: 17.8274538	total: 176ms	remaining: 7.17s
24:	learn: 16.9757759	total: 184ms	remaining: 7.16s
25:	learn: 16.2150234	total: 191ms	remaining: 7.14s
26:	learn: 15.4705898	total: 194ms	remaining: 6.99s
27:	learn: 14.7757660	total: 197ms	remaining: 6.85s
28:	learn: 14.1290791	total: 200ms	remaining: 6.71s
29:	learn: 13.5240059	total: 205ms	remaining: 6.63s
30:	learn: 12.9520697	total: 212ms	remaining: 6.61s
31:	learn: 12.4017546	total: 216ms	remaining: 6.54s
32:	learn: 11.8781886	total: 224ms	remaining: 6.55s
33:	learn: 11.4069794	total: 230ms	remaining: 6.52s
34:	learn: 10.9366082	total: 237ms	remaining: 6.53s
35:	learn: 10.4859155	total: 244ms	remaining: 6.54s
36:	learn: 10.0873609	total: 251ms	remaining: 6.54s

37:	learn: 9.7131108	total: 258ms	remaining: 6.53s
38:	learn: 9.3689957	total: 265ms	remaining: 6.53s
39:	learn: 9.0053487	total: 273ms	remaining: 6.54s
40:	learn: 8.6876361	total: 280ms	remaining: 6.54s
41:	learn: 8.3780798	total: 287ms	remaining: 6.55s
42:	learn: 8.1137783	total: 294ms	remaining: 6.55s
43:	learn: 7.8208561	total: 302ms	remaining: 6.56s
44:	learn: 7.5510879	total: 309ms	remaining: 6.56s
45:	learn: 7.3213508	total: 317ms	remaining: 6.57s
46:	learn: 7.0839701	total: 324ms	remaining: 6.58s
47:	learn: 6.8671128	total: 332ms	remaining: 6.58s
48:	learn: 6.6533145	total: 339ms	remaining: 6.59s
49:	learn: 6.4552518	total: 347ms	remaining: 6.6s
50:	learn: 6.2789831	total: 354ms	remaining: 6.59s
51:	learn: 6.0971297	total: 362ms	remaining: 6.6s
52:	learn: 5.9399185	total: 370ms	remaining: 6.6s
53:	learn: 5.7755647	total: 377ms	remaining: 6.61s
54:	learn: 5.6267940	total: 385ms	remaining: 6.62s
55:	learn: 5.4876803	total: 392ms	remaining: 6.61s
56:	learn: 5.3581316	total: 395ms	remaining: 6.54s
57:	learn: 5.2498468	total: 398ms	remaining: 6.47s
58:	learn: 5.1348541	total: 402ms	remaining: 6.41s
59:	learn: 5.0218819	total: 423ms	remaining: 6.63s
60:	learn: 4.9116459	total: 431ms	remaining: 6.63s
61:	learn: 4.8079417	total: 434ms	remaining: 6.56s
62:	learn: 4.7203131	total: 437ms	remaining: 6.5s
63:	learn: 4.6341641	total: 440ms	remaining: 6.43s
64:	learn: 4.5326218	total: 447ms	remaining: 6.44s
65:	learn: 4.4577310	total: 453ms	remaining: 6.41s
66:	learn: 4.3684451	total: 461ms	remaining: 6.41s
67:	learn: 4.2915245	total: 468ms	remaining: 6.41s
68:	learn: 4.2301304	total: 475ms	remaining: 6.41s
69:	learn: 4.1647118	total: 482ms	remaining: 6.4s
70:	learn: 4.1076760	total: 489ms	remaining: 6.4s
71:	learn: 4.0359757	total: 495ms	remaining: 6.37s
72:	learn: 3.9730519	total: 500ms	remaining: 6.34s
73:	learn: 3.9215873	total: 507ms	remaining: 6.34s
74:	learn: 3.8750651	total: 513ms	remaining: 6.33s
75:	learn: 3.8120616	total: 520ms	remaining: 6.32s
76:	learn: 3.7560550	total: 526ms	remaining: 6.31s
77:	learn: 3.7012148	total: 531ms	remaining: 6.28s
78:	learn: 3.6550003	total: 539ms	remaining: 6.28s
79:	learn: 3.6116825	total: 546ms	remaining: 6.28s
80:	learn: 3.5756572	total: 554ms	remaining: 6.28s
81:	learn: 3.5315442	total: 561ms	remaining: 6.28s
82:	learn: 3.4869936	total: 567ms	remaining: 6.26s
83:	learn: 3.4438217	total: 574ms	remaining: 6.26s
84:	learn: 3.4110057	total: 582ms	remaining: 6.26s
85:	learn: 3.3768833	total: 588ms	remaining: 6.25s
86:	learn: 3.3391561	total: 597ms	remaining: 6.26s
87:	learn: 3.3029505	total: 600ms	remaining: 6.22s
88:	learn: 3.2749806	total: 603ms	remaining: 6.17s
89:	learn: 3.2436266	total: 607ms	remaining: 6.13s
90:	learn: 3.2078374	total: 610ms	remaining: 6.09s
91:	learn: 3.1783964	total: 614ms	remaining: 6.06s
92:	learn: 3.1489339	total: 621ms	remaining: 6.05s
93:	learn: 3.1260316	total: 625ms	remaining: 6.02s
94:	learn: 3.1033200	total: 632ms	remaining: 6.02s
95:	learn: 3.0809791	total: 637ms	remaining: 6s
96:	learn: 3.0547615	total: 641ms	remaining: 5.96s

97:	learn: 3.0256937	total: 647ms	remaining: 5.96s
98:	learn: 2.9999968	total: 655ms	remaining: 5.96s
99:	learn: 2.9818316	total: 662ms	remaining: 5.96s
100:	learn: 2.9616159	total: 669ms	remaining: 5.96s
101:	learn: 2.9349591	total: 676ms	remaining: 5.95s
102:	learn: 2.9150377	total: 683ms	remaining: 5.95s
103:	learn: 2.8959568	total: 690ms	remaining: 5.94s
104:	learn: 2.8758161	total: 697ms	remaining: 5.94s
105:	learn: 2.8536857	total: 704ms	remaining: 5.94s
106:	learn: 2.8388227	total: 711ms	remaining: 5.93s
107:	learn: 2.8194163	total: 718ms	remaining: 5.93s
108:	learn: 2.7953048	total: 726ms	remaining: 5.93s
109:	learn: 2.7736146	total: 732ms	remaining: 5.92s
110:	learn: 2.7467996	total: 739ms	remaining: 5.92s
111:	learn: 2.7337372	total: 746ms	remaining: 5.92s
112:	learn: 2.7079036	total: 753ms	remaining: 5.91s
113:	learn: 2.6889521	total: 760ms	remaining: 5.91s
114:	learn: 2.6683495	total: 767ms	remaining: 5.9s
115:	learn: 2.6526417	total: 774ms	remaining: 5.89s
116:	learn: 2.6314833	total: 781ms	remaining: 5.9s
117:	learn: 2.6122933	total: 789ms	remaining: 5.89s
118:	learn: 2.5910547	total: 797ms	remaining: 5.9s
119:	learn: 2.5733311	total: 801ms	remaining: 5.87s
120:	learn: 2.5606779	total: 804ms	remaining: 5.84s
121:	learn: 2.5434249	total: 807ms	remaining: 5.8s
122:	learn: 2.5238526	total: 810ms	remaining: 5.78s
123:	learn: 2.5071113	total: 814ms	remaining: 5.75s
124:	learn: 2.4916807	total: 818ms	remaining: 5.73s
125:	learn: 2.4783327	total: 825ms	remaining: 5.72s
126:	learn: 2.4641742	total: 830ms	remaining: 5.71s
127:	learn: 2.4543255	total: 837ms	remaining: 5.7s
128:	learn: 2.4404437	total: 844ms	remaining: 5.7s
129:	learn: 2.4291982	total: 849ms	remaining: 5.68s
130:	learn: 2.4027050	total: 856ms	remaining: 5.68s
131:	learn: 2.3850688	total: 862ms	remaining: 5.67s
132:	learn: 2.3683009	total: 869ms	remaining: 5.67s
133:	learn: 2.3542271	total: 876ms	remaining: 5.66s
134:	learn: 2.3469134	total: 883ms	remaining: 5.66s
135:	learn: 2.3393424	total: 890ms	remaining: 5.65s
136:	learn: 2.3271027	total: 896ms	remaining: 5.64s
137:	learn: 2.3167434	total: 903ms	remaining: 5.64s
138:	learn: 2.2966891	total: 909ms	remaining: 5.63s
139:	learn: 2.2870754	total: 918ms	remaining: 5.64s
140:	learn: 2.2746076	total: 926ms	remaining: 5.64s
141:	learn: 2.2611590	total: 935ms	remaining: 5.65s
142:	learn: 2.2462779	total: 941ms	remaining: 5.64s
143:	learn: 2.2308565	total: 948ms	remaining: 5.64s
144:	learn: 2.2228469	total: 955ms	remaining: 5.63s
145:	learn: 2.2109732	total: 963ms	remaining: 5.63s
146:	learn: 2.1964970	total: 970ms	remaining: 5.63s
147:	learn: 2.1816768	total: 974ms	remaining: 5.61s
148:	learn: 2.1710082	total: 981ms	remaining: 5.6s
149:	learn: 2.1619820	total: 990ms	remaining: 5.61s
150:	learn: 2.1523421	total: 997ms	remaining: 5.6s
151:	learn: 2.1405254	total: 1s	remaining: 5.59s
152:	learn: 2.1300910	total: 1.01s	remaining: 5.58s
153:	learn: 2.1222702	total: 1.01s	remaining: 5.56s
154:	learn: 2.1154792	total: 1.02s	remaining: 5.56s
155:	learn: 2.1062309	total: 1.03s	remaining: 5.55s
156:	learn: 2.0894519	total: 1.03s	remaining: 5.55s

157:	learn: 2.0802683	total: 1.04s	remaining: 5.54s
158:	learn: 2.0709389	total: 1.05s	remaining: 5.54s
159:	learn: 2.0619161	total: 1.05s	remaining: 5.53s
160:	learn: 2.0521798	total: 1.06s	remaining: 5.53s
161:	learn: 2.0460559	total: 1.07s	remaining: 5.52s
162:	learn: 2.0338001	total: 1.07s	remaining: 5.51s
163:	learn: 2.0260673	total: 1.08s	remaining: 5.5s
164:	learn: 2.0196635	total: 1.09s	remaining: 5.5s
165:	learn: 2.0112271	total: 1.09s	remaining: 5.49s
166:	learn: 2.0050063	total: 1.1s	remaining: 5.49s
167:	learn: 1.9969451	total: 1.11s	remaining: 5.48s
168:	learn: 1.9873139	total: 1.11s	remaining: 5.47s
169:	learn: 1.9810212	total: 1.12s	remaining: 5.45s
170:	learn: 1.9735898	total: 1.12s	remaining: 5.45s
171:	learn: 1.9676078	total: 1.13s	remaining: 5.43s
172:	learn: 1.9588326	total: 1.14s	remaining: 5.43s
173:	learn: 1.9501125	total: 1.14s	remaining: 5.42s
174:	learn: 1.9428481	total: 1.15s	remaining: 5.42s
175:	learn: 1.9327614	total: 1.16s	remaining: 5.41s
176:	learn: 1.9276990	total: 1.16s	remaining: 5.41s
177:	learn: 1.9183653	total: 1.17s	remaining: 5.4s
178:	learn: 1.9066776	total: 1.18s	remaining: 5.4s
179:	learn: 1.8977590	total: 1.18s	remaining: 5.39s
180:	learn: 1.8912220	total: 1.19s	remaining: 5.39s
181:	learn: 1.8842419	total: 1.2s	remaining: 5.39s
182:	learn: 1.8703852	total: 1.21s	remaining: 5.38s
183:	learn: 1.8638302	total: 1.21s	remaining: 5.36s
184:	learn: 1.8563095	total: 1.21s	remaining: 5.34s
185:	learn: 1.8500933	total: 1.22s	remaining: 5.32s
186:	learn: 1.8382748	total: 1.22s	remaining: 5.3s
187:	learn: 1.8328671	total: 1.23s	remaining: 5.3s
188:	learn: 1.8287512	total: 1.23s	remaining: 5.29s
189:	learn: 1.8219302	total: 1.24s	remaining: 5.28s
190:	learn: 1.8158467	total: 1.25s	remaining: 5.28s
191:	learn: 1.8084022	total: 1.25s	remaining: 5.27s
192:	learn: 1.8020777	total: 1.26s	remaining: 5.26s
193:	learn: 1.7968777	total: 1.27s	remaining: 5.26s
194:	learn: 1.7917130	total: 1.27s	remaining: 5.26s
195:	learn: 1.7813790	total: 1.28s	remaining: 5.25s
196:	learn: 1.7717192	total: 1.29s	remaining: 5.25s
197:	learn: 1.7629303	total: 1.29s	remaining: 5.25s
198:	learn: 1.7563119	total: 1.3s	remaining: 5.24s
199:	learn: 1.7489292	total: 1.31s	remaining: 5.23s
200:	learn: 1.7422521	total: 1.31s	remaining: 5.23s
201:	learn: 1.7342119	total: 1.32s	remaining: 5.23s
202:	learn: 1.7306745	total: 1.33s	remaining: 5.22s
203:	learn: 1.7218776	total: 1.34s	remaining: 5.21s
204:	learn: 1.7180788	total: 1.34s	remaining: 5.21s
205:	learn: 1.7108710	total: 1.35s	remaining: 5.2s
206:	learn: 1.7043105	total: 1.36s	remaining: 5.2s
207:	learn: 1.6994185	total: 1.36s	remaining: 5.19s
208:	learn: 1.6940216	total: 1.37s	remaining: 5.19s
209:	learn: 1.6883670	total: 1.38s	remaining: 5.18s
210:	learn: 1.6816746	total: 1.39s	remaining: 5.18s
211:	learn: 1.6759768	total: 1.39s	remaining: 5.17s
212:	learn: 1.6710001	total: 1.4s	remaining: 5.17s
213:	learn: 1.6568312	total: 1.41s	remaining: 5.16s
214:	learn: 1.6544646	total: 1.41s	remaining: 5.16s
215:	learn: 1.6501528	total: 1.42s	remaining: 5.14s
216:	learn: 1.6472831	total: 1.42s	remaining: 5.12s

217:	learn: 1.6442668	total: 1.42s	remaining: 5.11s
218:	learn: 1.6350770	total: 1.43s	remaining: 5.09s
219:	learn: 1.6299037	total: 1.43s	remaining: 5.08s
220:	learn: 1.6246287	total: 1.44s	remaining: 5.07s
221:	learn: 1.6211232	total: 1.44s	remaining: 5.06s
222:	learn: 1.6148779	total: 1.45s	remaining: 5.05s
223:	learn: 1.6082560	total: 1.46s	remaining: 5.04s
224:	learn: 1.6006114	total: 1.46s	remaining: 5.03s
225:	learn: 1.5943811	total: 1.47s	remaining: 5.02s
226:	learn: 1.5916346	total: 1.47s	remaining: 5.02s
227:	learn: 1.5876520	total: 1.48s	remaining: 5.01s
228:	learn: 1.5836297	total: 1.49s	remaining: 5s
229:	learn: 1.5753328	total: 1.49s	remaining: 4.99s
230:	learn: 1.5637116	total: 1.5s	remaining: 4.99s
231:	learn: 1.5575952	total: 1.5s	remaining: 4.98s
232:	learn: 1.5499800	total: 1.51s	remaining: 4.98s
233:	learn: 1.5428572	total: 1.52s	remaining: 4.97s
234:	learn: 1.5390364	total: 1.52s	remaining: 4.96s
235:	learn: 1.5338282	total: 1.53s	remaining: 4.96s
236:	learn: 1.5279161	total: 1.54s	remaining: 4.95s
237:	learn: 1.5229339	total: 1.54s	remaining: 4.95s
238:	learn: 1.5143691	total: 1.55s	remaining: 4.94s
239:	learn: 1.5118833	total: 1.56s	remaining: 4.94s
240:	learn: 1.5083182	total: 1.56s	remaining: 4.93s
241:	learn: 1.5044419	total: 1.57s	remaining: 4.93s
242:	learn: 1.4982727	total: 1.58s	remaining: 4.92s
243:	learn: 1.4919953	total: 1.59s	remaining: 4.92s
244:	learn: 1.4895331	total: 1.59s	remaining: 4.91s
245:	learn: 1.4847084	total: 1.6s	remaining: 4.91s
246:	learn: 1.4754841	total: 1.61s	remaining: 4.9s
247:	learn: 1.4722635	total: 1.62s	remaining: 4.9s
248:	learn: 1.4662659	total: 1.62s	remaining: 4.89s
249:	learn: 1.4602615	total: 1.62s	remaining: 4.87s
250:	learn: 1.4572845	total: 1.63s	remaining: 4.86s
251:	learn: 1.4528654	total: 1.63s	remaining: 4.84s
252:	learn: 1.4475260	total: 1.64s	remaining: 4.83s
253:	learn: 1.4438336	total: 1.64s	remaining: 4.82s
254:	learn: 1.4394998	total: 1.65s	remaining: 4.81s
255:	learn: 1.4359416	total: 1.65s	remaining: 4.81s
256:	learn: 1.4314312	total: 1.66s	remaining: 4.8s
257:	learn: 1.4280174	total: 1.67s	remaining: 4.79s
258:	learn: 1.4217801	total: 1.67s	remaining: 4.79s
259:	learn: 1.4146675	total: 1.68s	remaining: 4.78s
260:	learn: 1.4102389	total: 1.69s	remaining: 4.78s
261:	learn: 1.4057934	total: 1.7s	remaining: 4.78s
262:	learn: 1.4001151	total: 1.7s	remaining: 4.77s
263:	learn: 1.3967446	total: 1.71s	remaining: 4.77s
264:	learn: 1.3913181	total: 1.72s	remaining: 4.77s
265:	learn: 1.3872022	total: 1.72s	remaining: 4.76s
266:	learn: 1.3838375	total: 1.73s	remaining: 4.75s
267:	learn: 1.3806273	total: 1.74s	remaining: 4.75s
268:	learn: 1.3768956	total: 1.75s	remaining: 4.75s
269:	learn: 1.3736398	total: 1.75s	remaining: 4.74s
270:	learn: 1.3703623	total: 1.76s	remaining: 4.74s
271:	learn: 1.3656570	total: 1.77s	remaining: 4.73s
272:	learn: 1.3614025	total: 1.77s	remaining: 4.73s
273:	learn: 1.3567342	total: 1.78s	remaining: 4.72s
274:	learn: 1.3505292	total: 1.79s	remaining: 4.72s
275:	learn: 1.3476621	total: 1.8s	remaining: 4.71s
276:	learn: 1.3441744	total: 1.8s	remaining: 4.71s

277:	learn: 1.3403675	total: 1.81s	remaining: 4.7s
278:	learn: 1.3357971	total: 1.82s	remaining: 4.7s
279:	learn: 1.3310309	total: 1.82s	remaining: 4.69s
280:	learn: 1.3264914	total: 1.83s	remaining: 4.67s
281:	learn: 1.3195886	total: 1.83s	remaining: 4.66s
282:	learn: 1.3171539	total: 1.83s	remaining: 4.65s
283:	learn: 1.3138858	total: 1.84s	remaining: 4.64s
284:	learn: 1.3092261	total: 1.85s	remaining: 4.63s
285:	learn: 1.3058949	total: 1.85s	remaining: 4.63s
286:	learn: 1.3031197	total: 1.86s	remaining: 4.62s
287:	learn: 1.2976667	total: 1.87s	remaining: 4.62s
288:	learn: 1.2940466	total: 1.87s	remaining: 4.61s
289:	learn: 1.2899578	total: 1.88s	remaining: 4.6s
290:	learn: 1.2863961	total: 1.88s	remaining: 4.59s
291:	learn: 1.2835776	total: 1.89s	remaining: 4.58s
292:	learn: 1.2796459	total: 1.9s	remaining: 4.58s
293:	learn: 1.2763163	total: 1.9s	remaining: 4.57s
294:	learn: 1.2723457	total: 1.91s	remaining: 4.56s
295:	learn: 1.2685482	total: 1.92s	remaining: 4.56s
296:	learn: 1.2631824	total: 1.93s	remaining: 4.56s
297:	learn: 1.2602211	total: 1.93s	remaining: 4.55s
298:	learn: 1.2580233	total: 1.94s	remaining: 4.55s
299:	learn: 1.2558425	total: 1.95s	remaining: 4.54s
300:	learn: 1.2521450	total: 1.95s	remaining: 4.54s
301:	learn: 1.2488423	total: 1.96s	remaining: 4.53s
302:	learn: 1.2452559	total: 1.96s	remaining: 4.52s
303:	learn: 1.2423039	total: 1.97s	remaining: 4.51s
304:	learn: 1.2394914	total: 1.98s	remaining: 4.51s
305:	learn: 1.2372383	total: 1.98s	remaining: 4.5s
306:	learn: 1.2327218	total: 1.99s	remaining: 4.5s
307:	learn: 1.2290945	total: 2s	remaining: 4.49s
308:	learn: 1.2262537	total: 2s	remaining: 4.49s
309:	learn: 1.2237176	total: 2.01s	remaining: 4.48s
310:	learn: 1.2193592	total: 2.02s	remaining: 4.47s
311:	learn: 1.2142533	total: 2.02s	remaining: 4.46s
312:	learn: 1.2119554	total: 2.02s	remaining: 4.44s
313:	learn: 1.2073358	total: 2.03s	remaining: 4.43s
314:	learn: 1.2031677	total: 2.03s	remaining: 4.42s
315:	learn: 1.2006287	total: 2.04s	remaining: 4.42s
316:	learn: 1.1970605	total: 2.04s	remaining: 4.41s
317:	learn: 1.1944007	total: 2.05s	remaining: 4.4s
318:	learn: 1.1896860	total: 2.06s	remaining: 4.39s
319:	learn: 1.1863029	total: 2.06s	remaining: 4.38s
320:	learn: 1.1828591	total: 2.07s	remaining: 4.38s
321:	learn: 1.1798513	total: 2.08s	remaining: 4.37s
322:	learn: 1.1754619	total: 2.08s	remaining: 4.37s
323:	learn: 1.1730251	total: 2.09s	remaining: 4.36s
324:	learn: 1.1696796	total: 2.1s	remaining: 4.35s
325:	learn: 1.1672832	total: 2.1s	remaining: 4.35s
326:	learn: 1.1641056	total: 2.11s	remaining: 4.34s
327:	learn: 1.1615128	total: 2.12s	remaining: 4.34s
328:	learn: 1.1591106	total: 2.12s	remaining: 4.33s
329:	learn: 1.1568168	total: 2.13s	remaining: 4.32s
330:	learn: 1.1552017	total: 2.14s	remaining: 4.32s
331:	learn: 1.1514769	total: 2.14s	remaining: 4.31s
332:	learn: 1.1498304	total: 2.15s	remaining: 4.31s
333:	learn: 1.1469830	total: 2.16s	remaining: 4.3s
334:	learn: 1.1447290	total: 2.16s	remaining: 4.3s
335:	learn: 1.1410523	total: 2.17s	remaining: 4.29s
336:	learn: 1.1391140	total: 2.18s	remaining: 4.29s

337:	learn: 1.1365321	total: 2.19s	remaining: 4.28s
338:	learn: 1.1349174	total: 2.19s	remaining: 4.28s
339:	learn: 1.1319765	total: 2.2s	remaining: 4.27s
340:	learn: 1.1282453	total: 2.21s	remaining: 4.27s
341:	learn: 1.1263154	total: 2.22s	remaining: 4.26s
342:	learn: 1.1234675	total: 2.22s	remaining: 4.25s
343:	learn: 1.1224812	total: 2.22s	remaining: 4.24s
344:	learn: 1.1185859	total: 2.23s	remaining: 4.23s
345:	learn: 1.1166296	total: 2.23s	remaining: 4.22s
346:	learn: 1.1132519	total: 2.24s	remaining: 4.21s
347:	learn: 1.1115548	total: 2.24s	remaining: 4.2s
348:	learn: 1.1098410	total: 2.25s	remaining: 4.19s
349:	learn: 1.1073239	total: 2.25s	remaining: 4.19s
350:	learn: 1.1041156	total: 2.26s	remaining: 4.17s
351:	learn: 1.1011856	total: 2.26s	remaining: 4.17s
352:	learn: 1.0977183	total: 2.27s	remaining: 4.16s
353:	learn: 1.0955579	total: 2.28s	remaining: 4.16s
354:	learn: 1.0924129	total: 2.29s	remaining: 4.15s
355:	learn: 1.0911739	total: 2.29s	remaining: 4.14s
356:	learn: 1.0890960	total: 2.3s	remaining: 4.14s
357:	learn: 1.0863561	total: 2.31s	remaining: 4.13s
358:	learn: 1.0816410	total: 2.31s	remaining: 4.13s
359:	learn: 1.0794189	total: 2.32s	remaining: 4.12s
360:	learn: 1.0775474	total: 2.33s	remaining: 4.12s
361:	learn: 1.0746101	total: 2.33s	remaining: 4.11s
362:	learn: 1.0730696	total: 2.34s	remaining: 4.11s
363:	learn: 1.0708083	total: 2.35s	remaining: 4.1s
364:	learn: 1.0675287	total: 2.35s	remaining: 4.1s
365:	learn: 1.0632705	total: 2.36s	remaining: 4.09s
366:	learn: 1.0589868	total: 2.37s	remaining: 4.09s
367:	learn: 1.0559924	total: 2.38s	remaining: 4.08s
368:	learn: 1.0546958	total: 2.39s	remaining: 4.08s
369:	learn: 1.0532257	total: 2.39s	remaining: 4.07s
370:	learn: 1.0517051	total: 2.39s	remaining: 4.06s
371:	learn: 1.0486624	total: 2.4s	remaining: 4.04s
372:	learn: 1.0464832	total: 2.4s	remaining: 4.03s
373:	learn: 1.0435461	total: 2.4s	remaining: 4.02s
374:	learn: 1.0411600	total: 2.41s	remaining: 4.02s
375:	learn: 1.0389009	total: 2.42s	remaining: 4.01s
376:	learn: 1.0365361	total: 2.42s	remaining: 4s
377:	learn: 1.0351482	total: 2.43s	remaining: 4s
378:	learn: 1.0330842	total: 2.43s	remaining: 3.99s
379:	learn: 1.0315782	total: 2.44s	remaining: 3.98s
380:	learn: 1.0279402	total: 2.45s	remaining: 3.98s
381:	learn: 1.0263093	total: 2.45s	remaining: 3.97s
382:	learn: 1.0231339	total: 2.46s	remaining: 3.96s
383:	learn: 1.0209818	total: 2.46s	remaining: 3.95s
384:	learn: 1.0190011	total: 2.47s	remaining: 3.95s
385:	learn: 1.0169965	total: 2.48s	remaining: 3.94s
386:	learn: 1.0145901	total: 2.49s	remaining: 3.94s
387:	learn: 1.0128277	total: 2.49s	remaining: 3.93s
388:	learn: 1.0106189	total: 2.5s	remaining: 3.92s
389:	learn: 1.0080402	total: 2.5s	remaining: 3.92s
390:	learn: 1.0070484	total: 2.51s	remaining: 3.91s
391:	learn: 1.0047328	total: 2.52s	remaining: 3.91s
392:	learn: 1.0019108	total: 2.53s	remaining: 3.9s
393:	learn: 0.9993345	total: 2.53s	remaining: 3.9s
394:	learn: 0.9972421	total: 2.54s	remaining: 3.89s
395:	learn: 0.9953875	total: 2.55s	remaining: 3.88s
396:	learn: 0.9937572	total: 2.55s	remaining: 3.88s

397:	learn: 0.9923321	total: 2.56s	remaining: 3.88s
398:	learn: 0.9896760	total: 2.57s	remaining: 3.87s
399:	learn: 0.9883551	total: 2.58s	remaining: 3.86s
400:	learn: 0.9864110	total: 2.58s	remaining: 3.86s
401:	learn: 0.9838650	total: 2.59s	remaining: 3.85s
402:	learn: 0.9823228	total: 2.59s	remaining: 3.84s
403:	learn: 0.9789156	total: 2.6s	remaining: 3.83s
404:	learn: 0.9758898	total: 2.6s	remaining: 3.82s
405:	learn: 0.9736754	total: 2.6s	remaining: 3.81s
406:	learn: 0.9713183	total: 2.61s	remaining: 3.8s
407:	learn: 0.9688498	total: 2.61s	remaining: 3.79s
408:	learn: 0.9675339	total: 2.62s	remaining: 3.79s
409:	learn: 0.9660489	total: 2.63s	remaining: 3.78s
410:	learn: 0.9648679	total: 2.63s	remaining: 3.77s
411:	learn: 0.9632036	total: 2.64s	remaining: 3.77s
412:	learn: 0.9619977	total: 2.65s	remaining: 3.76s
413:	learn: 0.9602984	total: 2.65s	remaining: 3.75s
414:	learn: 0.9573414	total: 2.66s	remaining: 3.75s
415:	learn: 0.9554160	total: 2.67s	remaining: 3.74s
416:	learn: 0.9531829	total: 2.67s	remaining: 3.74s
417:	learn: 0.9518191	total: 2.68s	remaining: 3.73s
418:	learn: 0.9495806	total: 2.69s	remaining: 3.73s
419:	learn: 0.9473793	total: 2.69s	remaining: 3.72s
420:	learn: 0.9454691	total: 2.7s	remaining: 3.71s
421:	learn: 0.9432661	total: 2.71s	remaining: 3.71s
422:	learn: 0.9418817	total: 2.71s	remaining: 3.7s
423:	learn: 0.9400315	total: 2.72s	remaining: 3.7s
424:	learn: 0.9386581	total: 2.73s	remaining: 3.69s
425:	learn: 0.9374719	total: 2.74s	remaining: 3.69s
426:	learn: 0.9361932	total: 2.74s	remaining: 3.68s
427:	learn: 0.9341715	total: 2.75s	remaining: 3.68s
428:	learn: 0.9325083	total: 2.76s	remaining: 3.67s
429:	learn: 0.9312577	total: 2.77s	remaining: 3.67s
430:	learn: 0.9301986	total: 2.77s	remaining: 3.66s
431:	learn: 0.9289962	total: 2.78s	remaining: 3.66s
432:	learn: 0.9278417	total: 2.79s	remaining: 3.65s
433:	learn: 0.9268352	total: 2.79s	remaining: 3.64s
434:	learn: 0.9256300	total: 2.79s	remaining: 3.63s
435:	learn: 0.9244221	total: 2.79s	remaining: 3.62s
436:	learn: 0.9218207	total: 2.8s	remaining: 3.61s
437:	learn: 0.9204299	total: 2.81s	remaining: 3.6s
438:	learn: 0.9187190	total: 2.81s	remaining: 3.59s
439:	learn: 0.9171420	total: 2.82s	remaining: 3.59s
440:	learn: 0.9162263	total: 2.82s	remaining: 3.58s
441:	learn: 0.9140567	total: 2.83s	remaining: 3.57s
442:	learn: 0.9119777	total: 2.84s	remaining: 3.57s
443:	learn: 0.9103901	total: 2.84s	remaining: 3.56s
444:	learn: 0.9091059	total: 2.85s	remaining: 3.55s
445:	learn: 0.9085359	total: 2.85s	remaining: 3.55s
446:	learn: 0.9067670	total: 2.86s	remaining: 3.54s
447:	learn: 0.9060928	total: 2.87s	remaining: 3.54s
448:	learn: 0.9040018	total: 2.88s	remaining: 3.53s
449:	learn: 0.9026692	total: 2.88s	remaining: 3.52s
450:	learn: 0.9017270	total: 2.89s	remaining: 3.52s
451:	learn: 0.9002957	total: 2.9s	remaining: 3.52s
452:	learn: 0.8978231	total: 2.91s	remaining: 3.51s
453:	learn: 0.8949396	total: 2.91s	remaining: 3.5s
454:	learn: 0.8932412	total: 2.92s	remaining: 3.5s
455:	learn: 0.8912744	total: 2.93s	remaining: 3.49s
456:	learn: 0.8900237	total: 2.93s	remaining: 3.49s

457:	learn: 0.8888398	total: 2.94s	remaining: 3.48s
458:	learn: 0.8878249	total: 2.95s	remaining: 3.47s
459:	learn: 0.8867297	total: 2.95s	remaining: 3.47s
460:	learn: 0.8849453	total: 2.96s	remaining: 3.46s
461:	learn: 0.8829107	total: 2.97s	remaining: 3.46s
462:	learn: 0.8820625	total: 2.97s	remaining: 3.45s
463:	learn: 0.8808431	total: 2.98s	remaining: 3.44s
464:	learn: 0.8783014	total: 2.98s	remaining: 3.44s
465:	learn: 0.8766632	total: 2.99s	remaining: 3.43s
466:	learn: 0.8747926	total: 2.99s	remaining: 3.42s
467:	learn: 0.8728878	total: 3s	remaining: 3.41s
468:	learn: 0.8718154	total: 3s	remaining: 3.4s
469:	learn: 0.8703155	total: 3s	remaining: 3.39s
470:	learn: 0.8679387	total: 3.01s	remaining: 3.38s
471:	learn: 0.8662976	total: 3.01s	remaining: 3.37s
472:	learn: 0.8639271	total: 3.02s	remaining: 3.36s
473:	learn: 0.8623258	total: 3.02s	remaining: 3.36s
474:	learn: 0.8601217	total: 3.03s	remaining: 3.35s
475:	learn: 0.8582093	total: 3.04s	remaining: 3.35s
476:	learn: 0.8568574	total: 3.05s	remaining: 3.34s
477:	learn: 0.8557801	total: 3.05s	remaining: 3.33s
478:	learn: 0.8541543	total: 3.06s	remaining: 3.33s
479:	learn: 0.8531979	total: 3.06s	remaining: 3.32s
480:	learn: 0.8516322	total: 3.07s	remaining: 3.31s
481:	learn: 0.8496601	total: 3.08s	remaining: 3.31s
482:	learn: 0.8483915	total: 3.09s	remaining: 3.3s
483:	learn: 0.8463943	total: 3.09s	remaining: 3.3s
484:	learn: 0.8447486	total: 3.1s	remaining: 3.29s
485:	learn: 0.8433164	total: 3.11s	remaining: 3.29s
486:	learn: 0.8422105	total: 3.11s	remaining: 3.28s
487:	learn: 0.8413706	total: 3.12s	remaining: 3.27s
488:	learn: 0.8401073	total: 3.13s	remaining: 3.27s
489:	learn: 0.8389606	total: 3.13s	remaining: 3.26s
490:	learn: 0.8370014	total: 3.14s	remaining: 3.26s
491:	learn: 0.8359676	total: 3.15s	remaining: 3.25s
492:	learn: 0.8350189	total: 3.15s	remaining: 3.25s
493:	learn: 0.8333296	total: 3.16s	remaining: 3.24s
494:	learn: 0.8310929	total: 3.17s	remaining: 3.23s
495:	learn: 0.8301541	total: 3.18s	remaining: 3.23s
496:	learn: 0.8293155	total: 3.18s	remaining: 3.22s
497:	learn: 0.8277185	total: 3.19s	remaining: 3.21s
498:	learn: 0.8262685	total: 3.19s	remaining: 3.2s
499:	learn: 0.8251080	total: 3.19s	remaining: 3.19s
500:	learn: 0.8245987	total: 3.2s	remaining: 3.19s
501:	learn: 0.8235641	total: 3.21s	remaining: 3.18s
502:	learn: 0.8225904	total: 3.21s	remaining: 3.17s
503:	learn: 0.8216551	total: 3.21s	remaining: 3.16s
504:	learn: 0.8206448	total: 3.22s	remaining: 3.15s
505:	learn: 0.8194479	total: 3.22s	remaining: 3.15s
506:	learn: 0.8184597	total: 3.22s	remaining: 3.13s
507:	learn: 0.8164449	total: 3.23s	remaining: 3.13s
508:	learn: 0.8151503	total: 3.23s	remaining: 3.12s
509:	learn: 0.8142101	total: 3.23s	remaining: 3.11s
510:	learn: 0.8132122	total: 3.24s	remaining: 3.1s
511:	learn: 0.8119836	total: 3.25s	remaining: 3.09s
512:	learn: 0.8099408	total: 3.25s	remaining: 3.09s
513:	learn: 0.8087615	total: 3.26s	remaining: 3.08s
514:	learn: 0.8078206	total: 3.27s	remaining: 3.08s
515:	learn: 0.8065806	total: 3.27s	remaining: 3.07s
516:	learn: 0.8057524	total: 3.28s	remaining: 3.06s

517:	learn: 0.8053980	total: 3.29s	remaining: 3.06s
518:	learn: 0.8049291	total: 3.29s	remaining: 3.05s
519:	learn: 0.8029780	total: 3.3s	remaining: 3.05s
520:	learn: 0.8012856	total: 3.31s	remaining: 3.04s
521:	learn: 0.8005571	total: 3.31s	remaining: 3.04s
522:	learn: 0.7993968	total: 3.32s	remaining: 3.03s
523:	learn: 0.7982387	total: 3.33s	remaining: 3.02s
524:	learn: 0.7972070	total: 3.33s	remaining: 3.02s
525:	learn: 0.7963552	total: 3.34s	remaining: 3.01s
526:	learn: 0.7946319	total: 3.35s	remaining: 3s
527:	learn: 0.7940048	total: 3.35s	remaining: 3s
528:	learn: 0.7930405	total: 3.36s	remaining: 2.99s
529:	learn: 0.7921784	total: 3.37s	remaining: 2.99s
530:	learn: 0.7915442	total: 3.38s	remaining: 2.98s
531:	learn: 0.7909248	total: 3.38s	remaining: 2.98s
532:	learn: 0.7902345	total: 3.39s	remaining: 2.97s
533:	learn: 0.7895512	total: 3.39s	remaining: 2.96s
534:	learn: 0.7881069	total: 3.4s	remaining: 2.95s
535:	learn: 0.7874096	total: 3.4s	remaining: 2.94s
536:	learn: 0.7857986	total: 3.4s	remaining: 2.93s
537:	learn: 0.7847816	total: 3.41s	remaining: 2.93s
538:	learn: 0.7839547	total: 3.42s	remaining: 2.92s
539:	learn: 0.7831802	total: 3.42s	remaining: 2.92s
540:	learn: 0.7817177	total: 3.43s	remaining: 2.91s
541:	learn: 0.7804849	total: 3.44s	remaining: 2.9s
542:	learn: 0.7796822	total: 3.44s	remaining: 2.9s
543:	learn: 0.7787236	total: 3.45s	remaining: 2.89s
544:	learn: 0.7774338	total: 3.46s	remaining: 2.88s
545:	learn: 0.7767880	total: 3.46s	remaining: 2.88s
546:	learn: 0.7758017	total: 3.47s	remaining: 2.87s
547:	learn: 0.7752930	total: 3.47s	remaining: 2.87s
548:	learn: 0.7738397	total: 3.48s	remaining: 2.86s
549:	learn: 0.7727038	total: 3.49s	remaining: 2.85s
550:	learn: 0.7717455	total: 3.5s	remaining: 2.85s
551:	learn: 0.7710169	total: 3.5s	remaining: 2.84s
552:	learn: 0.7699626	total: 3.51s	remaining: 2.84s
553:	learn: 0.7693513	total: 3.51s	remaining: 2.83s
554:	learn: 0.7688394	total: 3.52s	remaining: 2.82s
555:	learn: 0.7682833	total: 3.53s	remaining: 2.82s
556:	learn: 0.7673879	total: 3.53s	remaining: 2.81s
557:	learn: 0.7661125	total: 3.54s	remaining: 2.8s
558:	learn: 0.7647558	total: 3.55s	remaining: 2.8s
559:	learn: 0.7639830	total: 3.55s	remaining: 2.79s
560:	learn: 0.7633217	total: 3.56s	remaining: 2.79s
561:	learn: 0.7627943	total: 3.56s	remaining: 2.78s
562:	learn: 0.7621356	total: 3.57s	remaining: 2.77s
563:	learn: 0.7610186	total: 3.57s	remaining: 2.76s
564:	learn: 0.7602195	total: 3.57s	remaining: 2.75s
565:	learn: 0.7590409	total: 3.58s	remaining: 2.74s
566:	learn: 0.7583787	total: 3.58s	remaining: 2.74s
567:	learn: 0.7577467	total: 3.59s	remaining: 2.73s
568:	learn: 0.7562495	total: 3.6s	remaining: 2.73s
569:	learn: 0.7551624	total: 3.6s	remaining: 2.72s
570:	learn: 0.7537236	total: 3.61s	remaining: 2.71s
571:	learn: 0.7527701	total: 3.62s	remaining: 2.71s
572:	learn: 0.7511935	total: 3.62s	remaining: 2.7s
573:	learn: 0.7498919	total: 3.63s	remaining: 2.69s
574:	learn: 0.7488846	total: 3.64s	remaining: 2.69s
575:	learn: 0.7478282	total: 3.65s	remaining: 2.68s
576:	learn: 0.7466329	total: 3.65s	remaining: 2.68s

577:	learn: 0.7457821	total: 3.66s	remaining: 2.67s
578:	learn: 0.7445571	total: 3.67s	remaining: 2.67s
579:	learn: 0.7440627	total: 3.67s	remaining: 2.66s
580:	learn: 0.7431696	total: 3.68s	remaining: 2.66s
581:	learn: 0.7418426	total: 3.69s	remaining: 2.65s
582:	learn: 0.7408967	total: 3.7s	remaining: 2.64s
583:	learn: 0.7397459	total: 3.7s	remaining: 2.64s
584:	learn: 0.7384340	total: 3.71s	remaining: 2.63s
585:	learn: 0.7378706	total: 3.71s	remaining: 2.62s
586:	learn: 0.7368722	total: 3.72s	remaining: 2.62s
587:	learn: 0.7365931	total: 3.73s	remaining: 2.61s
588:	learn: 0.7359086	total: 3.74s	remaining: 2.61s
589:	learn: 0.7350490	total: 3.74s	remaining: 2.6s
590:	learn: 0.7340402	total: 3.75s	remaining: 2.59s
591:	learn: 0.7328628	total: 3.76s	remaining: 2.59s
592:	learn: 0.7317974	total: 3.77s	remaining: 2.59s
593:	learn: 0.7308424	total: 3.77s	remaining: 2.58s
594:	learn: 0.7303826	total: 3.78s	remaining: 2.57s
595:	learn: 0.7297132	total: 3.79s	remaining: 2.57s
596:	learn: 0.7286184	total: 3.79s	remaining: 2.56s
597:	learn: 0.7278131	total: 3.8s	remaining: 2.55s
598:	learn: 0.7271118	total: 3.81s	remaining: 2.55s
599:	learn: 0.7264616	total: 3.81s	remaining: 2.54s
600:	learn: 0.7262344	total: 3.81s	remaining: 2.53s
601:	learn: 0.7252240	total: 3.82s	remaining: 2.53s
602:	learn: 0.7241674	total: 3.83s	remaining: 2.52s
603:	learn: 0.7235076	total: 3.84s	remaining: 2.52s
604:	learn: 0.7223598	total: 3.84s	remaining: 2.51s
605:	learn: 0.7210146	total: 3.85s	remaining: 2.5s
606:	learn: 0.7200316	total: 3.86s	remaining: 2.5s
607:	learn: 0.7190191	total: 3.86s	remaining: 2.49s
608:	learn: 0.7183641	total: 3.87s	remaining: 2.48s
609:	learn: 0.7181585	total: 3.88s	remaining: 2.48s
610:	learn: 0.7173094	total: 3.88s	remaining: 2.47s
611:	learn: 0.7165163	total: 3.89s	remaining: 2.47s
612:	learn: 0.7150700	total: 3.9s	remaining: 2.46s
613:	learn: 0.7146459	total: 3.9s	remaining: 2.45s
614:	learn: 0.7131994	total: 3.91s	remaining: 2.44s
615:	learn: 0.7120419	total: 3.91s	remaining: 2.44s
616:	learn: 0.7111544	total: 3.92s	remaining: 2.43s
617:	learn: 0.7105365	total: 3.92s	remaining: 2.43s
618:	learn: 0.7100895	total: 3.93s	remaining: 2.42s
619:	learn: 0.7096437	total: 3.94s	remaining: 2.41s
620:	learn: 0.7089367	total: 3.94s	remaining: 2.41s
621:	learn: 0.7077216	total: 3.95s	remaining: 2.4s
622:	learn: 0.7066594	total: 3.96s	remaining: 2.4s
623:	learn: 0.7062381	total: 3.97s	remaining: 2.39s
624:	learn: 0.7058496	total: 3.97s	remaining: 2.38s
625:	learn: 0.7050709	total: 3.97s	remaining: 2.37s
626:	learn: 0.7042882	total: 3.98s	remaining: 2.37s
627:	learn: 0.7035703	total: 3.98s	remaining: 2.36s
628:	learn: 0.7030809	total: 3.98s	remaining: 2.35s
629:	learn: 0.7023160	total: 3.99s	remaining: 2.34s
630:	learn: 0.7013788	total: 4s	remaining: 2.34s
631:	learn: 0.7009584	total: 4s	remaining: 2.33s
632:	learn: 0.7001620	total: 4.01s	remaining: 2.32s
633:	learn: 0.6993784	total: 4.01s	remaining: 2.32s
634:	learn: 0.6988635	total: 4.02s	remaining: 2.31s
635:	learn: 0.6983994	total: 4.03s	remaining: 2.3s
636:	learn: 0.6972141	total: 4.03s	remaining: 2.3s

637:	learn: 0.6964688	total: 4.04s	remaining: 2.29s
638:	learn: 0.6955816	total: 4.05s	remaining: 2.29s
639:	learn: 0.6949309	total: 4.05s	remaining: 2.28s
640:	learn: 0.6940698	total: 4.06s	remaining: 2.27s
641:	learn: 0.6924406	total: 4.07s	remaining: 2.27s
642:	learn: 0.6912950	total: 4.08s	remaining: 2.26s
643:	learn: 0.6909199	total: 4.08s	remaining: 2.26s
644:	learn: 0.6902196	total: 4.09s	remaining: 2.25s
645:	learn: 0.6896939	total: 4.1s	remaining: 2.24s
646:	learn: 0.6892352	total: 4.1s	remaining: 2.24s
647:	learn: 0.6888594	total: 4.11s	remaining: 2.23s
648:	learn: 0.6877653	total: 4.12s	remaining: 2.23s
649:	learn: 0.6870704	total: 4.12s	remaining: 2.22s
650:	learn: 0.6865473	total: 4.13s	remaining: 2.21s
651:	learn: 0.6859454	total: 4.14s	remaining: 2.21s
652:	learn: 0.6848661	total: 4.14s	remaining: 2.2s
653:	learn: 0.6843414	total: 4.15s	remaining: 2.2s
654:	learn: 0.6833947	total: 4.16s	remaining: 2.19s
655:	learn: 0.6823481	total: 4.17s	remaining: 2.18s
656:	learn: 0.6814623	total: 4.17s	remaining: 2.18s
657:	learn: 0.6808885	total: 4.17s	remaining: 2.17s
658:	learn: 0.6799647	total: 4.18s	remaining: 2.16s
659:	learn: 0.6793232	total: 4.18s	remaining: 2.15s
660:	learn: 0.6785159	total: 4.19s	remaining: 2.15s
661:	learn: 0.6777204	total: 4.19s	remaining: 2.14s
662:	learn: 0.6771871	total: 4.2s	remaining: 2.13s
663:	learn: 0.6762695	total: 4.2s	remaining: 2.13s
664:	learn: 0.6752705	total: 4.21s	remaining: 2.12s
665:	learn: 0.6748869	total: 4.22s	remaining: 2.12s
666:	learn: 0.6737409	total: 4.22s	remaining: 2.11s
667:	learn: 0.6728838	total: 4.23s	remaining: 2.1s
668:	learn: 0.6722641	total: 4.24s	remaining: 2.1s
669:	learn: 0.6719067	total: 4.25s	remaining: 2.09s
670:	learn: 0.6713475	total: 4.25s	remaining: 2.08s
671:	learn: 0.6706958	total: 4.26s	remaining: 2.08s
672:	learn: 0.6702346	total: 4.27s	remaining: 2.07s
673:	learn: 0.6697633	total: 4.27s	remaining: 2.07s
674:	learn: 0.6692949	total: 4.28s	remaining: 2.06s
675:	learn: 0.6688239	total: 4.29s	remaining: 2.06s
676:	learn: 0.6680332	total: 4.3s	remaining: 2.05s
677:	learn: 0.6674959	total: 4.3s	remaining: 2.04s
678:	learn: 0.6671121	total: 4.31s	remaining: 2.04s
679:	learn: 0.6663759	total: 4.32s	remaining: 2.03s
680:	learn: 0.6659941	total: 4.33s	remaining: 2.03s
681:	learn: 0.6654611	total: 4.33s	remaining: 2.02s
682:	learn: 0.6646960	total: 4.34s	remaining: 2.01s
683:	learn: 0.6633605	total: 4.35s	remaining: 2.01s
684:	learn: 0.6628661	total: 4.35s	remaining: 2s
685:	learn: 0.6623756	total: 4.36s	remaining: 2s
686:	learn: 0.6619973	total: 4.37s	remaining: 1.99s
687:	learn: 0.6611323	total: 4.37s	remaining: 1.98s
688:	learn: 0.6598278	total: 4.38s	remaining: 1.98s
689:	learn: 0.6586557	total: 4.38s	remaining: 1.97s
690:	learn: 0.6575878	total: 4.39s	remaining: 1.96s
691:	learn: 0.6566013	total: 4.39s	remaining: 1.95s
692:	learn: 0.6558248	total: 4.4s	remaining: 1.95s
693:	learn: 0.6551355	total: 4.41s	remaining: 1.94s
694:	learn: 0.6544360	total: 4.41s	remaining: 1.94s
695:	learn: 0.6538931	total: 4.42s	remaining: 1.93s
696:	learn: 0.6534133	total: 4.42s	remaining: 1.92s

697:	learn: 0.6526494	total: 4.43s	remaining: 1.92s
698:	learn: 0.6519047	total: 4.44s	remaining: 1.91s
699:	learn: 0.6513338	total: 4.44s	remaining: 1.9s
700:	learn: 0.6503486	total: 4.45s	remaining: 1.9s
701:	learn: 0.6499878	total: 4.46s	remaining: 1.89s
702:	learn: 0.6492359	total: 4.46s	remaining: 1.89s
703:	learn: 0.6488641	total: 4.47s	remaining: 1.88s
704:	learn: 0.6481426	total: 4.48s	remaining: 1.87s
705:	learn: 0.6471823	total: 4.49s	remaining: 1.87s
706:	learn: 0.6466890	total: 4.49s	remaining: 1.86s
707:	learn: 0.6461542	total: 4.5s	remaining: 1.86s
708:	learn: 0.6457915	total: 4.51s	remaining: 1.85s
709:	learn: 0.6454053	total: 4.52s	remaining: 1.84s
710:	learn: 0.6447201	total: 4.52s	remaining: 1.84s
711:	learn: 0.6443460	total: 4.53s	remaining: 1.83s
712:	learn: 0.6435988	total: 4.54s	remaining: 1.83s
713:	learn: 0.6429026	total: 4.54s	remaining: 1.82s
714:	learn: 0.6422986	total: 4.55s	remaining: 1.81s
715:	learn: 0.6417023	total: 4.56s	remaining: 1.81s
716:	learn: 0.6407800	total: 4.57s	remaining: 1.8s
717:	learn: 0.6405003	total: 4.57s	remaining: 1.8s
718:	learn: 0.6397728	total: 4.58s	remaining: 1.79s
719:	learn: 0.6395143	total: 4.58s	remaining: 1.78s
720:	learn: 0.6389339	total: 4.58s	remaining: 1.77s
721:	learn: 0.6387394	total: 4.59s	remaining: 1.77s
722:	learn: 0.6380439	total: 4.59s	remaining: 1.76s
723:	learn: 0.6374462	total: 4.6s	remaining: 1.75s
724:	learn: 0.6367026	total: 4.61s	remaining: 1.75s
725:	learn: 0.6366172	total: 4.62s	remaining: 1.74s
726:	learn: 0.6357156	total: 4.63s	remaining: 1.74s
727:	learn: 0.6351494	total: 4.63s	remaining: 1.73s
728:	learn: 0.6347673	total: 4.63s	remaining: 1.72s
729:	learn: 0.6344604	total: 4.64s	remaining: 1.72s
730:	learn: 0.6341557	total: 4.65s	remaining: 1.71s
731:	learn: 0.6332802	total: 4.66s	remaining: 1.71s
732:	learn: 0.6327737	total: 4.66s	remaining: 1.7s
733:	learn: 0.6322190	total: 4.67s	remaining: 1.69s
734:	learn: 0.6318093	total: 4.68s	remaining: 1.69s
735:	learn: 0.6309757	total: 4.68s	remaining: 1.68s
736:	learn: 0.6300654	total: 4.69s	remaining: 1.67s
737:	learn: 0.6297082	total: 4.7s	remaining: 1.67s
738:	learn: 0.6292520	total: 4.71s	remaining: 1.66s
739:	learn: 0.6286437	total: 4.71s	remaining: 1.66s
740:	learn: 0.6283008	total: 4.72s	remaining: 1.65s
741:	learn: 0.6277660	total: 4.73s	remaining: 1.64s
742:	learn: 0.6273330	total: 4.73s	remaining: 1.64s
743:	learn: 0.6272556	total: 4.74s	remaining: 1.63s
744:	learn: 0.6268319	total: 4.75s	remaining: 1.62s
745:	learn: 0.6261887	total: 4.75s	remaining: 1.62s
746:	learn: 0.6256019	total: 4.76s	remaining: 1.61s
747:	learn: 0.6246967	total: 4.76s	remaining: 1.6s
748:	learn: 0.6237770	total: 4.77s	remaining: 1.6s
749:	learn: 0.6229059	total: 4.78s	remaining: 1.59s
750:	learn: 0.6224582	total: 4.78s	remaining: 1.58s
751:	learn: 0.6220924	total: 4.79s	remaining: 1.58s
752:	learn: 0.6214872	total: 4.8s	remaining: 1.57s
753:	learn: 0.6206210	total: 4.8s	remaining: 1.57s
754:	learn: 0.6198592	total: 4.81s	remaining: 1.56s
755:	learn: 0.6194809	total: 4.81s	remaining: 1.55s
756:	learn: 0.6186953	total: 4.82s	remaining: 1.55s

757:	learn: 0.6183544	total: 4.83s	remaining: 1.54s
758:	learn: 0.6180895	total: 4.83s	remaining: 1.53s
759:	learn: 0.6175546	total: 4.84s	remaining: 1.53s
760:	learn: 0.6171013	total: 4.85s	remaining: 1.52s
761:	learn: 0.6166593	total: 4.85s	remaining: 1.52s
762:	learn: 0.6163635	total: 4.86s	remaining: 1.51s
763:	learn: 0.6159788	total: 4.87s	remaining: 1.5s
764:	learn: 0.6154115	total: 4.87s	remaining: 1.5s
765:	learn: 0.6147739	total: 4.88s	remaining: 1.49s
766:	learn: 0.6141005	total: 4.89s	remaining: 1.48s
767:	learn: 0.6132815	total: 4.89s	remaining: 1.48s
768:	learn: 0.6127981	total: 4.9s	remaining: 1.47s
769:	learn: 0.6120448	total: 4.91s	remaining: 1.47s
770:	learn: 0.6117789	total: 4.91s	remaining: 1.46s
771:	learn: 0.6117036	total: 4.92s	remaining: 1.45s
772:	learn: 0.6110743	total: 4.92s	remaining: 1.45s
773:	learn: 0.6106746	total: 4.93s	remaining: 1.44s
774:	learn: 0.6102736	total: 4.94s	remaining: 1.43s
775:	learn: 0.6094789	total: 4.95s	remaining: 1.43s
776:	learn: 0.6084332	total: 4.95s	remaining: 1.42s
777:	learn: 0.6081663	total: 4.96s	remaining: 1.42s
778:	learn: 0.6075890	total: 4.96s	remaining: 1.41s
779:	learn: 0.6067239	total: 4.96s	remaining: 1.4s
780:	learn: 0.6061447	total: 4.97s	remaining: 1.39s
781:	learn: 0.6058419	total: 4.97s	remaining: 1.39s
782:	learn: 0.6055127	total: 4.98s	remaining: 1.38s
783:	learn: 0.6052329	total: 4.99s	remaining: 1.37s
784:	learn: 0.6049073	total: 4.99s	remaining: 1.37s
785:	learn: 0.6044246	total: 5s	remaining: 1.36s
786:	learn: 0.6037024	total: 5s	remaining: 1.35s
787:	learn: 0.6034885	total: 5.01s	remaining: 1.35s
788:	learn: 0.6029352	total: 5.02s	remaining: 1.34s
789:	learn: 0.6026882	total: 5.02s	remaining: 1.33s
790:	learn: 0.6020250	total: 5.03s	remaining: 1.33s
791:	learn: 0.6013898	total: 5.04s	remaining: 1.32s
792:	learn: 0.6010748	total: 5.04s	remaining: 1.32s
793:	learn: 0.6004410	total: 5.05s	remaining: 1.31s
794:	learn: 0.5998522	total: 5.06s	remaining: 1.3s
795:	learn: 0.5992043	total: 5.06s	remaining: 1.3s
796:	learn: 0.5989764	total: 5.07s	remaining: 1.29s
797:	learn: 0.5983593	total: 5.08s	remaining: 1.28s
798:	learn: 0.5976463	total: 5.08s	remaining: 1.28s
799:	learn: 0.5970809	total: 5.09s	remaining: 1.27s
800:	learn: 0.5964338	total: 5.1s	remaining: 1.27s
801:	learn: 0.5961141	total: 5.11s	remaining: 1.26s
802:	learn: 0.5954389	total: 5.11s	remaining: 1.25s
803:	learn: 0.5954250	total: 5.12s	remaining: 1.25s
804:	learn: 0.5954157	total: 5.13s	remaining: 1.24s
805:	learn: 0.5954004	total: 5.13s	remaining: 1.24s
806:	learn: 0.5948470	total: 5.14s	remaining: 1.23s
807:	learn: 0.5942251	total: 5.15s	remaining: 1.22s
808:	learn: 0.5936613	total: 5.15s	remaining: 1.22s
809:	learn: 0.5932672	total: 5.16s	remaining: 1.21s
810:	learn: 0.5928094	total: 5.16s	remaining: 1.2s
811:	learn: 0.5926185	total: 5.17s	remaining: 1.2s
812:	learn: 0.5921517	total: 5.17s	remaining: 1.19s
813:	learn: 0.5920850	total: 5.17s	remaining: 1.18s
814:	learn: 0.5914565	total: 5.18s	remaining: 1.18s
815:	learn: 0.5912538	total: 5.18s	remaining: 1.17s
816:	learn: 0.5906691	total: 5.19s	remaining: 1.16s

817:	learn: 0.5901625	total: 5.19s	remaining: 1.16s
818:	learn: 0.5891544	total: 5.2s	remaining: 1.15s
819:	learn: 0.5888754	total: 5.21s	remaining: 1.14s
820:	learn: 0.5883647	total: 5.21s	remaining: 1.14s
821:	learn: 0.5877982	total: 5.22s	remaining: 1.13s
822:	learn: 0.5873627	total: 5.22s	remaining: 1.12s
823:	learn: 0.5869349	total: 5.23s	remaining: 1.12s
824:	learn: 0.5867545	total: 5.24s	remaining: 1.11s
825:	learn: 0.5860744	total: 5.25s	remaining: 1.1s
826:	learn: 0.5856600	total: 5.25s	remaining: 1.1s
827:	learn: 0.5852824	total: 5.26s	remaining: 1.09s
828:	learn: 0.5848060	total: 5.27s	remaining: 1.09s
829:	learn: 0.5844304	total: 5.28s	remaining: 1.08s
830:	learn: 0.5842457	total: 5.28s	remaining: 1.07s
831:	learn: 0.5839583	total: 5.29s	remaining: 1.07s
832:	learn: 0.5834739	total: 5.3s	remaining: 1.06s
833:	learn: 0.5832401	total: 5.31s	remaining: 1.06s
834:	learn: 0.5829507	total: 5.31s	remaining: 1.05s
835:	learn: 0.5822993	total: 5.32s	remaining: 1.04s
836:	learn: 0.5815354	total: 5.33s	remaining: 1.04s
837:	learn: 0.5809077	total: 5.34s	remaining: 1.03s
838:	learn: 0.5805658	total: 5.34s	remaining: 1.02s
839:	learn: 0.5802207	total: 5.35s	remaining: 1.02s
840:	learn: 0.5796854	total: 5.36s	remaining: 1.01s
841:	learn: 0.5792994	total: 5.36s	remaining: 1.01s
842:	learn: 0.5787605	total: 5.37s	remaining: 1000ms
843:	learn: 0.5784953	total: 5.37s	remaining: 993ms
844:	learn: 0.5778741	total: 5.38s	remaining: 986ms
845:	learn: 0.5777939	total: 5.38s	remaining: 979ms
846:	learn: 0.5774203	total: 5.39s	remaining: 973ms
847:	learn: 0.5769531	total: 5.39s	remaining: 967ms
848:	learn: 0.5766182	total: 5.4s	remaining: 960ms
849:	learn: 0.5763396	total: 5.41s	remaining: 954ms
850:	learn: 0.5761281	total: 5.41s	remaining: 948ms
851:	learn: 0.5758216	total: 5.42s	remaining: 942ms
852:	learn: 0.5755115	total: 5.43s	remaining: 935ms
853:	learn: 0.5751345	total: 5.43s	remaining: 929ms
854:	learn: 0.5747749	total: 5.44s	remaining: 923ms
855:	learn: 0.5743445	total: 5.45s	remaining: 917ms
856:	learn: 0.5738824	total: 5.46s	remaining: 911ms
857:	learn: 0.5733780	total: 5.46s	remaining: 904ms
858:	learn: 0.5731311	total: 5.47s	remaining: 898ms
859:	learn: 0.5726567	total: 5.48s	remaining: 892ms
860:	learn: 0.5719591	total: 5.49s	remaining: 886ms
861:	learn: 0.5713639	total: 5.49s	remaining: 880ms
862:	learn: 0.5709510	total: 5.5s	remaining: 874ms
863:	learn: 0.5702038	total: 5.51s	remaining: 867ms
864:	learn: 0.5699727	total: 5.52s	remaining: 861ms
865:	learn: 0.5695097	total: 5.53s	remaining: 855ms
866:	learn: 0.5689729	total: 5.54s	remaining: 849ms
867:	learn: 0.5686174	total: 5.54s	remaining: 843ms
868:	learn: 0.5686090	total: 5.55s	remaining: 837ms
869:	learn: 0.5680594	total: 5.56s	remaining: 831ms
870:	learn: 0.5678270	total: 5.56s	remaining: 824ms
871:	learn: 0.5671398	total: 5.57s	remaining: 817ms
872:	learn: 0.5665240	total: 5.57s	remaining: 811ms
873:	learn: 0.5663142	total: 5.58s	remaining: 805ms
874:	learn: 0.5661303	total: 5.59s	remaining: 798ms
875:	learn: 0.5659692	total: 5.59s	remaining: 792ms
876:	learn: 0.5655669	total: 5.6s	remaining: 785ms

877:	learn: 0.5648355	total: 5.61s	remaining: 779ms
878:	learn: 0.5644477	total: 5.61s	remaining: 773ms
879:	learn: 0.5640283	total: 5.62s	remaining: 766ms
880:	learn: 0.5636339	total: 5.63s	remaining: 760ms
881:	learn: 0.5633042	total: 5.63s	remaining: 754ms
882:	learn: 0.5626677	total: 5.64s	remaining: 747ms
883:	learn: 0.5620267	total: 5.65s	remaining: 741ms
884:	learn: 0.5618063	total: 5.65s	remaining: 735ms
885:	learn: 0.5613630	total: 5.66s	remaining: 728ms
886:	learn: 0.5609667	total: 5.67s	remaining: 722ms
887:	learn: 0.5603932	total: 5.67s	remaining: 716ms
888:	learn: 0.5599674	total: 5.68s	remaining: 710ms
889:	learn: 0.5593645	total: 5.69s	remaining: 703ms
890:	learn: 0.5590091	total: 5.7s	remaining: 697ms
891:	learn: 0.5583062	total: 5.71s	remaining: 691ms
892:	learn: 0.5578563	total: 5.71s	remaining: 684ms
893:	learn: 0.5573390	total: 5.72s	remaining: 678ms
894:	learn: 0.5570043	total: 5.73s	remaining: 672ms
895:	learn: 0.5569965	total: 5.73s	remaining: 666ms
896:	learn: 0.5567264	total: 5.74s	remaining: 659ms
897:	learn: 0.5561556	total: 5.75s	remaining: 653ms
898:	learn: 0.5558138	total: 5.75s	remaining: 646ms
899:	learn: 0.5554542	total: 5.76s	remaining: 640ms
900:	learn: 0.5552726	total: 5.76s	remaining: 633ms
901:	learn: 0.5549491	total: 5.76s	remaining: 626ms
902:	learn: 0.5545468	total: 5.77s	remaining: 620ms
903:	learn: 0.5543386	total: 5.77s	remaining: 613ms
904:	learn: 0.5540101	total: 5.78s	remaining: 607ms
905:	learn: 0.5536341	total: 5.78s	remaining: 600ms
906:	learn: 0.5531628	total: 5.79s	remaining: 594ms
907:	learn: 0.5530393	total: 5.8s	remaining: 587ms
908:	learn: 0.5528993	total: 5.8s	remaining: 581ms
909:	learn: 0.5523333	total: 5.81s	remaining: 575ms
910:	learn: 0.5519024	total: 5.82s	remaining: 568ms
911:	learn: 0.5516292	total: 5.82s	remaining: 562ms
912:	learn: 0.5511612	total: 5.83s	remaining: 556ms
913:	learn: 0.5506969	total: 5.84s	remaining: 549ms
914:	learn: 0.5503331	total: 5.84s	remaining: 543ms
915:	learn: 0.5501732	total: 5.85s	remaining: 537ms
916:	learn: 0.5498193	total: 5.86s	remaining: 530ms
917:	learn: 0.5493294	total: 5.87s	remaining: 524ms
918:	learn: 0.5491134	total: 5.87s	remaining: 517ms
919:	learn: 0.5487632	total: 5.88s	remaining: 511ms
920:	learn: 0.5483557	total: 5.88s	remaining: 505ms
921:	learn: 0.5480224	total: 5.89s	remaining: 498ms
922:	learn: 0.5480158	total: 5.89s	remaining: 492ms
923:	learn: 0.5473784	total: 5.9s	remaining: 485ms
924:	learn: 0.5468298	total: 5.91s	remaining: 479ms
925:	learn: 0.5464037	total: 5.92s	remaining: 473ms
926:	learn: 0.5458648	total: 5.92s	remaining: 466ms
927:	learn: 0.5452910	total: 5.93s	remaining: 460ms
928:	learn: 0.5452407	total: 5.93s	remaining: 454ms
929:	learn: 0.5442372	total: 5.94s	remaining: 447ms
930:	learn: 0.5439201	total: 5.95s	remaining: 441ms
931:	learn: 0.5438728	total: 5.96s	remaining: 435ms
932:	learn: 0.5434201	total: 5.96s	remaining: 428ms
933:	learn: 0.5430677	total: 5.96s	remaining: 421ms
934:	learn: 0.5426266	total: 5.96s	remaining: 415ms
935:	learn: 0.5420424	total: 5.97s	remaining: 408ms
936:	learn: 0.5417440	total: 5.97s	remaining: 402ms

937:	learn: 0.5413844	total: 5.98s	remaining: 395ms
938:	learn: 0.5412986	total: 5.99s	remaining: 389ms
939:	learn: 0.5406030	total: 6s	remaining: 383ms
940:	learn: 0.5401455	total: 6s	remaining: 376ms
941:	learn: 0.5396443	total: 6s	remaining: 370ms
942:	learn: 0.5394556	total: 6.01s	remaining: 363ms
943:	learn: 0.5391478	total: 6.02s	remaining: 357ms
944:	learn: 0.5389015	total: 6.02s	remaining: 351ms
945:	learn: 0.5384049	total: 6.03s	remaining: 344ms
946:	learn: 0.5382200	total: 6.04s	remaining: 338ms
947:	learn: 0.5379034	total: 6.04s	remaining: 332ms
948:	learn: 0.5376947	total: 6.05s	remaining: 325ms
949:	learn: 0.5375102	total: 6.06s	remaining: 319ms
950:	learn: 0.5372440	total: 6.06s	remaining: 312ms
951:	learn: 0.5371238	total: 6.07s	remaining: 306ms
952:	learn: 0.5367440	total: 6.08s	remaining: 300ms
953:	learn: 0.5362598	total: 6.08s	remaining: 293ms
954:	learn: 0.5358214	total: 6.09s	remaining: 287ms
955:	learn: 0.5353443	total: 6.1s	remaining: 281ms
956:	learn: 0.5350273	total: 6.11s	remaining: 274ms
957:	learn: 0.5346084	total: 6.11s	remaining: 268ms
958:	learn: 0.5342587	total: 6.12s	remaining: 262ms
959:	learn: 0.5338854	total: 6.13s	remaining: 255ms
960:	learn: 0.5334194	total: 6.13s	remaining: 249ms
961:	learn: 0.5331048	total: 6.13s	remaining: 242ms
962:	learn: 0.5329485	total: 6.14s	remaining: 236ms
963:	learn: 0.5325711	total: 6.14s	remaining: 229ms
964:	learn: 0.5322471	total: 6.14s	remaining: 223ms
965:	learn: 0.5320814	total: 6.15s	remaining: 217ms
966:	learn: 0.5316863	total: 6.16s	remaining: 210ms
967:	learn: 0.5314228	total: 6.16s	remaining: 204ms
968:	learn: 0.5311730	total: 6.17s	remaining: 197ms
969:	learn: 0.5308838	total: 6.18s	remaining: 191ms
970:	learn: 0.5306675	total: 6.18s	remaining: 185ms
971:	learn: 0.5304938	total: 6.19s	remaining: 178ms
972:	learn: 0.5300640	total: 6.2s	remaining: 172ms
973:	learn: 0.5296976	total: 6.2s	remaining: 166ms
974:	learn: 0.5294365	total: 6.21s	remaining: 159ms
975:	learn: 0.5291354	total: 6.22s	remaining: 153ms
976:	learn: 0.5286687	total: 6.23s	remaining: 147ms
977:	learn: 0.5282768	total: 6.23s	remaining: 140ms
978:	learn: 0.5279637	total: 6.24s	remaining: 134ms
979:	learn: 0.5274642	total: 6.25s	remaining: 128ms
980:	learn: 0.5274570	total: 6.25s	remaining: 121ms
981:	learn: 0.5274444	total: 6.26s	remaining: 115ms
982:	learn: 0.5274365	total: 6.27s	remaining: 108ms
983:	learn: 0.5274300	total: 6.27s	remaining: 102ms
984:	learn: 0.5270470	total: 6.28s	remaining: 95.7ms
985:	learn: 0.5266414	total: 6.29s	remaining: 89.3ms
986:	learn: 0.5266141	total: 6.3s	remaining: 82.9ms
987:	learn: 0.5262013	total: 6.3s	remaining: 76.6ms
988:	learn: 0.5259148	total: 6.31s	remaining: 70.2ms
989:	learn: 0.5254162	total: 6.32s	remaining: 63.8ms
990:	learn: 0.5251460	total: 6.33s	remaining: 57.5ms
991:	learn: 0.5245680	total: 6.33s	remaining: 51ms
992:	learn: 0.5241726	total: 6.33s	remaining: 44.6ms
993:	learn: 0.5237504	total: 6.34s	remaining: 38.2ms
994:	learn: 0.5235108	total: 6.34s	remaining: 31.9ms
995:	learn: 0.5232551	total: 6.34s	remaining: 25.5ms
996:	learn: 0.5231840	total: 6.35s	remaining: 19.1ms

997:	learn: 0.5228513	total: 6.36s	remaining: 12.7ms
998:	learn: 0.5225973	total: 6.36s	remaining: 6.37ms
999:	learn: 0.5221660	total: 6.37s	remaining: 0us
Learning rate set to 0.06063			
0:	learn: 59.2392912	total: 8.04ms	remaining: 8.03s
1:	learn: 56.0352203	total: 14.4ms	remaining: 7.18s
2:	learn: 53.0589554	total: 22ms	remaining: 7.3s
3:	learn: 50.1208241	total: 29.3ms	remaining: 7.31s
4:	learn: 47.4308835	total: 36.4ms	remaining: 7.25s
5:	learn: 44.9751072	total: 43.7ms	remaining: 7.25s
6:	learn: 42.5928108	total: 50.6ms	remaining: 7.18s
7:	learn: 40.3675931	total: 58ms	remaining: 7.19s
8:	learn: 38.2574052	total: 65.2ms	remaining: 7.18s
9:	learn: 36.2528543	total: 72.5ms	remaining: 7.18s
10:	learn: 34.3911142	total: 79.8ms	remaining: 7.17s
11:	learn: 32.6235764	total: 86.9ms	remaining: 7.16s
12:	learn: 30.9607042	total: 90.5ms	remaining: 6.87s
13:	learn: 29.3993709	total: 95ms	remaining: 6.69s
14:	learn: 27.8916511	total: 101ms	remaining: 6.62s
15:	learn: 26.4913694	total: 108ms	remaining: 6.63s
16:	learn: 25.1754761	total: 115ms	remaining: 6.65s
17:	learn: 23.9163168	total: 121ms	remaining: 6.58s
18:	learn: 22.7468269	total: 128ms	remaining: 6.59s
19:	learn: 21.6923512	total: 134ms	remaining: 6.56s
20:	learn: 20.6635219	total: 141ms	remaining: 6.58s
21:	learn: 19.6877400	total: 149ms	remaining: 6.61s
22:	learn: 18.7833324	total: 156ms	remaining: 6.61s
23:	learn: 17.8751436	total: 163ms	remaining: 6.63s
24:	learn: 17.0303029	total: 170ms	remaining: 6.63s
25:	learn: 16.2429936	total: 177ms	remaining: 6.64s
26:	learn: 15.4687683	total: 182ms	remaining: 6.55s
27:	learn: 14.7768526	total: 189ms	remaining: 6.56s
28:	learn: 14.1384855	total: 196ms	remaining: 6.56s
29:	learn: 13.5103905	total: 200ms	remaining: 6.46s
30:	learn: 12.9199805	total: 203ms	remaining: 6.36s
31:	learn: 12.3572286	total: 207ms	remaining: 6.26s
32:	learn: 11.8300991	total: 212ms	remaining: 6.2s
33:	learn: 11.3541473	total: 218ms	remaining: 6.2s
34:	learn: 10.9005272	total: 225ms	remaining: 6.21s
35:	learn: 10.4779974	total: 230ms	remaining: 6.17s
36:	learn: 10.0579436	total: 236ms	remaining: 6.15s
37:	learn: 9.6841530	total: 244ms	remaining: 6.17s
38:	learn: 9.3072530	total: 251ms	remaining: 6.18s
39:	learn: 8.9471297	total: 258ms	remaining: 6.2s
40:	learn: 8.6405504	total: 265ms	remaining: 6.21s
41:	learn: 8.3268798	total: 273ms	remaining: 6.22s
42:	learn: 8.0727858	total: 278ms	remaining: 6.18s
43:	learn: 7.7802849	total: 285ms	remaining: 6.19s
44:	learn: 7.5169414	total: 290ms	remaining: 6.15s
45:	learn: 7.2744847	total: 297ms	remaining: 6.16s
46:	learn: 7.0328398	total: 304ms	remaining: 6.17s
47:	learn: 6.8096679	total: 312ms	remaining: 6.18s
48:	learn: 6.6043135	total: 319ms	remaining: 6.18s
49:	learn: 6.4197414	total: 324ms	remaining: 6.16s
50:	learn: 6.2277687	total: 331ms	remaining: 6.16s
51:	learn: 6.0478561	total: 337ms	remaining: 6.15s
52:	learn: 5.8851268	total: 345ms	remaining: 6.17s
53:	learn: 5.7166957	total: 352ms	remaining: 6.17s
54:	learn: 5.5653219	total: 359ms	remaining: 6.17s
55:	learn: 5.4413470	total: 366ms	remaining: 6.18s

56:	learn: 5.3111502	total: 372ms	remaining: 6.16s
57:	learn: 5.1950983	total: 379ms	remaining: 6.16s
58:	learn: 5.0650176	total: 387ms	remaining: 6.17s
59:	learn: 4.9402127	total: 395ms	remaining: 6.18s
60:	learn: 4.8370320	total: 404ms	remaining: 6.21s
61:	learn: 4.7324683	total: 407ms	remaining: 6.16s
62:	learn: 4.6413112	total: 411ms	remaining: 6.11s
63:	learn: 4.5532035	total: 414ms	remaining: 6.06s
64:	learn: 4.4596840	total: 419ms	remaining: 6.03s
65:	learn: 4.3759813	total: 426ms	remaining: 6.03s
66:	learn: 4.3060610	total: 432ms	remaining: 6.01s
67:	learn: 4.2312611	total: 439ms	remaining: 6.02s
68:	learn: 4.1683363	total: 446ms	remaining: 6.02s
69:	learn: 4.1020277	total: 451ms	remaining: 6s
70:	learn: 4.0333438	total: 459ms	remaining: 6s
71:	learn: 3.9642727	total: 465ms	remaining: 5.99s
72:	learn: 3.9045418	total: 472ms	remaining: 5.99s
73:	learn: 3.8552200	total: 479ms	remaining: 6s
74:	learn: 3.8028643	total: 485ms	remaining: 5.99s
75:	learn: 3.7540168	total: 493ms	remaining: 5.99s
76:	learn: 3.7008071	total: 500ms	remaining: 5.99s
77:	learn: 3.6536161	total: 507ms	remaining: 5.99s
78:	learn: 3.6080269	total: 512ms	remaining: 5.97s
79:	learn: 3.5682376	total: 519ms	remaining: 5.97s
80:	learn: 3.5317322	total: 526ms	remaining: 5.97s
81:	learn: 3.4799933	total: 533ms	remaining: 5.97s
82:	learn: 3.4424187	total: 540ms	remaining: 5.97s
83:	learn: 3.4004323	total: 547ms	remaining: 5.97s
84:	learn: 3.3674342	total: 554ms	remaining: 5.97s
85:	learn: 3.3336338	total: 560ms	remaining: 5.96s
86:	learn: 3.3035136	total: 567ms	remaining: 5.95s
87:	learn: 3.2717710	total: 575ms	remaining: 5.96s
88:	learn: 3.2433420	total: 582ms	remaining: 5.95s
89:	learn: 3.2172233	total: 589ms	remaining: 5.96s
90:	learn: 3.1813485	total: 597ms	remaining: 5.96s
91:	learn: 3.1519741	total: 604ms	remaining: 5.96s
92:	learn: 3.1229148	total: 609ms	remaining: 5.94s
93:	learn: 3.1025599	total: 612ms	remaining: 5.9s
94:	learn: 3.0849325	total: 615ms	remaining: 5.86s
95:	learn: 3.0631513	total: 618ms	remaining: 5.82s
96:	learn: 3.0363474	total: 623ms	remaining: 5.8s
97:	learn: 3.0062392	total: 630ms	remaining: 5.8s
98:	learn: 2.9823248	total: 636ms	remaining: 5.79s
99:	learn: 2.9643215	total: 643ms	remaining: 5.79s
100:	learn: 2.9440373	total: 651ms	remaining: 5.79s
101:	learn: 2.9210101	total: 658ms	remaining: 5.79s
102:	learn: 2.9018776	total: 665ms	remaining: 5.79s
103:	learn: 2.8847024	total: 672ms	remaining: 5.79s
104:	learn: 2.8617653	total: 680ms	remaining: 5.8s
105:	learn: 2.8350010	total: 688ms	remaining: 5.8s
106:	learn: 2.8176567	total: 696ms	remaining: 5.81s
107:	learn: 2.8023015	total: 703ms	remaining: 5.81s
108:	learn: 2.7746798	total: 707ms	remaining: 5.78s
109:	learn: 2.7568018	total: 715ms	remaining: 5.78s
110:	learn: 2.7337413	total: 726ms	remaining: 5.81s
111:	learn: 2.7212678	total: 734ms	remaining: 5.82s
112:	learn: 2.6999657	total: 741ms	remaining: 5.82s
113:	learn: 2.6809768	total: 746ms	remaining: 5.8s
114:	learn: 2.6661970	total: 752ms	remaining: 5.79s
115:	learn: 2.6537166	total: 759ms	remaining: 5.78s

116:	learn: 2.6394278	total: 764ms	remaining: 5.76s
117:	learn: 2.6218724	total: 771ms	remaining: 5.76s
118:	learn: 2.6019636	total: 778ms	remaining: 5.76s
119:	learn: 2.5816718	total: 784ms	remaining: 5.75s
120:	learn: 2.5653821	total: 787ms	remaining: 5.72s
121:	learn: 2.5485387	total: 791ms	remaining: 5.69s
122:	learn: 2.5273673	total: 796ms	remaining: 5.67s
123:	learn: 2.5117980	total: 800ms	remaining: 5.65s
124:	learn: 2.4960391	total: 808ms	remaining: 5.65s
125:	learn: 2.4772538	total: 815ms	remaining: 5.65s
126:	learn: 2.4672907	total: 821ms	remaining: 5.64s
127:	learn: 2.4516647	total: 827ms	remaining: 5.63s
128:	learn: 2.4353997	total: 833ms	remaining: 5.62s
129:	learn: 2.4265547	total: 840ms	remaining: 5.62s
130:	learn: 2.4189285	total: 848ms	remaining: 5.62s
131:	learn: 2.4067831	total: 854ms	remaining: 5.62s
132:	learn: 2.3926843	total: 860ms	remaining: 5.61s
133:	learn: 2.3822286	total: 868ms	remaining: 5.61s
134:	learn: 2.3676773	total: 875ms	remaining: 5.6s
135:	learn: 2.3603637	total: 881ms	remaining: 5.6s
136:	learn: 2.3474408	total: 888ms	remaining: 5.59s
137:	learn: 2.3326190	total: 893ms	remaining: 5.58s
138:	learn: 2.3171371	total: 900ms	remaining: 5.58s
139:	learn: 2.3050028	total: 907ms	remaining: 5.57s
140:	learn: 2.2897380	total: 914ms	remaining: 5.57s
141:	learn: 2.2685302	total: 921ms	remaining: 5.57s
142:	learn: 2.2531488	total: 929ms	remaining: 5.57s
143:	learn: 2.2371124	total: 936ms	remaining: 5.56s
144:	learn: 2.2247345	total: 944ms	remaining: 5.56s
145:	learn: 2.2107603	total: 952ms	remaining: 5.57s
146:	learn: 2.1965902	total: 959ms	remaining: 5.56s
147:	learn: 2.1856694	total: 966ms	remaining: 5.56s
148:	learn: 2.1753101	total: 973ms	remaining: 5.56s
149:	learn: 2.1676316	total: 982ms	remaining: 5.56s
150:	learn: 2.1555875	total: 985ms	remaining: 5.54s
151:	learn: 2.1393115	total: 988ms	remaining: 5.51s
152:	learn: 2.1268644	total: 991ms	remaining: 5.49s
153:	learn: 2.1181137	total: 995ms	remaining: 5.46s
154:	learn: 2.1041325	total: 999ms	remaining: 5.44s
155:	learn: 2.0940352	total: 1s	remaining: 5.43s
156:	learn: 2.0811722	total: 1.01s	remaining: 5.43s
157:	learn: 2.0729713	total: 1.02s	remaining: 5.42s
158:	learn: 2.0638337	total: 1.02s	remaining: 5.41s
159:	learn: 2.0539230	total: 1.03s	remaining: 5.41s
160:	learn: 2.0382880	total: 1.03s	remaining: 5.4s
161:	learn: 2.0271831	total: 1.04s	remaining: 5.39s
162:	learn: 2.0172437	total: 1.05s	remaining: 5.39s
163:	learn: 2.0091494	total: 1.05s	remaining: 5.38s
164:	learn: 1.9997159	total: 1.06s	remaining: 5.38s
165:	learn: 1.9911870	total: 1.07s	remaining: 5.38s
166:	learn: 1.9844912	total: 1.08s	remaining: 5.37s
167:	learn: 1.9751037	total: 1.08s	remaining: 5.36s
168:	learn: 1.9656581	total: 1.09s	remaining: 5.36s
169:	learn: 1.9597475	total: 1.09s	remaining: 5.35s
170:	learn: 1.9528910	total: 1.1s	remaining: 5.34s
171:	learn: 1.9420920	total: 1.11s	remaining: 5.34s
172:	learn: 1.9303603	total: 1.12s	remaining: 5.34s
173:	learn: 1.9236452	total: 1.12s	remaining: 5.33s
174:	learn: 1.9106407	total: 1.13s	remaining: 5.33s
175:	learn: 1.9017042	total: 1.14s	remaining: 5.33s

176:	learn: 1.8941635	total: 1.14s	remaining: 5.32s
177:	learn: 1.8828501	total: 1.15s	remaining: 5.32s
178:	learn: 1.8750192	total: 1.16s	remaining: 5.31s
179:	learn: 1.8656681	total: 1.17s	remaining: 5.31s
180:	learn: 1.8578206	total: 1.17s	remaining: 5.31s
181:	learn: 1.8508122	total: 1.18s	remaining: 5.3s
182:	learn: 1.8440530	total: 1.19s	remaining: 5.3s
183:	learn: 1.8377599	total: 1.19s	remaining: 5.28s
184:	learn: 1.8302374	total: 1.19s	remaining: 5.26s
185:	learn: 1.8227508	total: 1.2s	remaining: 5.24s
186:	learn: 1.8101799	total: 1.2s	remaining: 5.23s
187:	learn: 1.8054338	total: 1.21s	remaining: 5.22s
188:	learn: 1.7964646	total: 1.22s	remaining: 5.22s
189:	learn: 1.7903750	total: 1.22s	remaining: 5.21s
190:	learn: 1.7824677	total: 1.23s	remaining: 5.2s
191:	learn: 1.7743416	total: 1.24s	remaining: 5.2s
192:	learn: 1.7647627	total: 1.24s	remaining: 5.19s
193:	learn: 1.7596029	total: 1.25s	remaining: 5.18s
194:	learn: 1.7529018	total: 1.25s	remaining: 5.17s
195:	learn: 1.7477986	total: 1.26s	remaining: 5.16s
196:	learn: 1.7375238	total: 1.26s	remaining: 5.15s
197:	learn: 1.7309692	total: 1.27s	remaining: 5.14s
198:	learn: 1.7262141	total: 1.28s	remaining: 5.14s
199:	learn: 1.7183362	total: 1.28s	remaining: 5.13s
200:	learn: 1.7127921	total: 1.29s	remaining: 5.13s
201:	learn: 1.7072373	total: 1.3s	remaining: 5.12s
202:	learn: 1.6951182	total: 1.3s	remaining: 5.12s
203:	learn: 1.6884084	total: 1.31s	remaining: 5.12s
204:	learn: 1.6830527	total: 1.32s	remaining: 5.11s
205:	learn: 1.6780105	total: 1.32s	remaining: 5.11s
206:	learn: 1.6724782	total: 1.33s	remaining: 5.1s
207:	learn: 1.6689817	total: 1.34s	remaining: 5.1s
208:	learn: 1.6639443	total: 1.34s	remaining: 5.09s
209:	learn: 1.6563106	total: 1.35s	remaining: 5.09s
210:	learn: 1.6461980	total: 1.36s	remaining: 5.09s
211:	learn: 1.6390025	total: 1.37s	remaining: 5.08s
212:	learn: 1.6345722	total: 1.37s	remaining: 5.08s
213:	learn: 1.6299785	total: 1.38s	remaining: 5.07s
214:	learn: 1.6260303	total: 1.39s	remaining: 5.07s
215:	learn: 1.6209255	total: 1.4s	remaining: 5.07s
216:	learn: 1.6127882	total: 1.4s	remaining: 5.05s
217:	learn: 1.6076705	total: 1.4s	remaining: 5.03s
218:	learn: 1.6020025	total: 1.41s	remaining: 5.01s
219:	learn: 1.5965515	total: 1.41s	remaining: 5s
220:	learn: 1.5916686	total: 1.42s	remaining: 5s
221:	learn: 1.5852057	total: 1.42s	remaining: 4.99s
222:	learn: 1.5782208	total: 1.43s	remaining: 4.98s
223:	learn: 1.5712966	total: 1.44s	remaining: 4.98s
224:	learn: 1.5646085	total: 1.44s	remaining: 4.97s
225:	learn: 1.5585070	total: 1.45s	remaining: 4.97s
226:	learn: 1.5500759	total: 1.46s	remaining: 4.96s
227:	learn: 1.5444528	total: 1.46s	remaining: 4.96s
228:	learn: 1.5389892	total: 1.47s	remaining: 4.95s
229:	learn: 1.5343270	total: 1.48s	remaining: 4.95s
230:	learn: 1.5297030	total: 1.48s	remaining: 4.94s
231:	learn: 1.5268768	total: 1.49s	remaining: 4.94s
232:	learn: 1.5227768	total: 1.5s	remaining: 4.93s
233:	learn: 1.5192661	total: 1.5s	remaining: 4.93s
234:	learn: 1.5160143	total: 1.51s	remaining: 4.92s
235:	learn: 1.5094051	total: 1.52s	remaining: 4.92s

236:	learn: 1.5050242	total: 1.53s	remaining: 4.92s
237:	learn: 1.4991687	total: 1.53s	remaining: 4.91s
238:	learn: 1.4948822	total: 1.54s	remaining: 4.91s
239:	learn: 1.4880759	total: 1.55s	remaining: 4.91s
240:	learn: 1.4834946	total: 1.56s	remaining: 4.9s
241:	learn: 1.4807722	total: 1.56s	remaining: 4.9s
242:	learn: 1.4739640	total: 1.57s	remaining: 4.89s
243:	learn: 1.4678999	total: 1.58s	remaining: 4.89s
244:	learn: 1.4618144	total: 1.58s	remaining: 4.88s
245:	learn: 1.4582839	total: 1.59s	remaining: 4.88s
246:	learn: 1.4541020	total: 1.6s	remaining: 4.88s
247:	learn: 1.4494911	total: 1.6s	remaining: 4.86s
248:	learn: 1.4450065	total: 1.61s	remaining: 4.84s
249:	learn: 1.4411895	total: 1.61s	remaining: 4.83s
250:	learn: 1.4368809	total: 1.61s	remaining: 4.82s
251:	learn: 1.4316057	total: 1.62s	remaining: 4.8s
252:	learn: 1.4260601	total: 1.63s	remaining: 4.8s
253:	learn: 1.4214267	total: 1.63s	remaining: 4.79s
254:	learn: 1.4158918	total: 1.64s	remaining: 4.78s
255:	learn: 1.4115966	total: 1.64s	remaining: 4.78s
256:	learn: 1.4080855	total: 1.65s	remaining: 4.77s
257:	learn: 1.4057962	total: 1.66s	remaining: 4.77s
258:	learn: 1.4024181	total: 1.66s	remaining: 4.76s
259:	learn: 1.3997058	total: 1.67s	remaining: 4.75s
260:	learn: 1.3933698	total: 1.68s	remaining: 4.75s
261:	learn: 1.3890749	total: 1.68s	remaining: 4.74s
262:	learn: 1.3846143	total: 1.69s	remaining: 4.72s
263:	learn: 1.3795899	total: 1.69s	remaining: 4.71s
264:	learn: 1.3734600	total: 1.69s	remaining: 4.7s
265:	learn: 1.3702036	total: 1.7s	remaining: 4.69s
266:	learn: 1.3650744	total: 1.7s	remaining: 4.67s
267:	learn: 1.3619738	total: 1.71s	remaining: 4.67s
268:	learn: 1.3594643	total: 1.71s	remaining: 4.65s
269:	learn: 1.3562909	total: 1.72s	remaining: 4.64s
270:	learn: 1.3534719	total: 1.72s	remaining: 4.63s
271:	learn: 1.3496550	total: 1.73s	remaining: 4.63s
272:	learn: 1.3456506	total: 1.74s	remaining: 4.63s
273:	learn: 1.3410407	total: 1.75s	remaining: 4.63s
274:	learn: 1.3382957	total: 1.75s	remaining: 4.62s
275:	learn: 1.3354250	total: 1.76s	remaining: 4.61s
276:	learn: 1.3309500	total: 1.76s	remaining: 4.61s
277:	learn: 1.3274585	total: 1.77s	remaining: 4.6s
278:	learn: 1.3225469	total: 1.78s	remaining: 4.59s
279:	learn: 1.3175179	total: 1.78s	remaining: 4.59s
280:	learn: 1.3130598	total: 1.79s	remaining: 4.58s
281:	learn: 1.3093575	total: 1.8s	remaining: 4.58s
282:	learn: 1.3054578	total: 1.8s	remaining: 4.57s
283:	learn: 1.3028645	total: 1.81s	remaining: 4.56s
284:	learn: 1.3015458	total: 1.81s	remaining: 4.55s
285:	learn: 1.2983269	total: 1.82s	remaining: 4.53s
286:	learn: 1.2930719	total: 1.82s	remaining: 4.52s
287:	learn: 1.2891144	total: 1.82s	remaining: 4.51s
288:	learn: 1.2853808	total: 1.83s	remaining: 4.5s
289:	learn: 1.2792891	total: 1.83s	remaining: 4.49s
290:	learn: 1.2729871	total: 1.84s	remaining: 4.49s
291:	learn: 1.2697802	total: 1.84s	remaining: 4.47s
292:	learn: 1.2670229	total: 1.85s	remaining: 4.47s
293:	learn: 1.2648673	total: 1.85s	remaining: 4.45s
294:	learn: 1.2624151	total: 1.86s	remaining: 4.45s
295:	learn: 1.2587323	total: 1.87s	remaining: 4.44s

296:	learn: 1.2552468	total: 1.88s	remaining: 4.44s
297:	learn: 1.2512663	total: 1.88s	remaining: 4.43s
298:	learn: 1.2489349	total: 1.89s	remaining: 4.43s
299:	learn: 1.2462028	total: 1.9s	remaining: 4.42s
300:	learn: 1.2440601	total: 1.9s	remaining: 4.42s
301:	learn: 1.2415352	total: 1.91s	remaining: 4.42s
302:	learn: 1.2381568	total: 1.92s	remaining: 4.41s
303:	learn: 1.2345463	total: 1.92s	remaining: 4.41s
304:	learn: 1.2321099	total: 1.93s	remaining: 4.4s
305:	learn: 1.2297751	total: 1.94s	remaining: 4.39s
306:	learn: 1.2267875	total: 1.95s	remaining: 4.39s
307:	learn: 1.2227418	total: 1.95s	remaining: 4.38s
308:	learn: 1.2202087	total: 1.95s	remaining: 4.37s
309:	learn: 1.2177123	total: 1.96s	remaining: 4.36s
310:	learn: 1.2143360	total: 1.97s	remaining: 4.36s
311:	learn: 1.2111647	total: 1.97s	remaining: 4.35s
312:	learn: 1.2088503	total: 1.98s	remaining: 4.34s
313:	learn: 1.2052580	total: 1.99s	remaining: 4.34s
314:	learn: 1.2033968	total: 1.99s	remaining: 4.33s
315:	learn: 1.1995182	total: 2s	remaining: 4.33s
316:	learn: 1.1971657	total: 2.01s	remaining: 4.32s
317:	learn: 1.1939886	total: 2.01s	remaining: 4.31s
318:	learn: 1.1917979	total: 2.02s	remaining: 4.31s
319:	learn: 1.1898441	total: 2.02s	remaining: 4.3s
320:	learn: 1.1874217	total: 2.03s	remaining: 4.29s
321:	learn: 1.1850049	total: 2.03s	remaining: 4.28s
322:	learn: 1.1801727	total: 2.04s	remaining: 4.26s
323:	learn: 1.1758347	total: 2.04s	remaining: 4.25s
324:	learn: 1.1730437	total: 2.04s	remaining: 4.24s
325:	learn: 1.1684278	total: 2.05s	remaining: 4.23s
326:	learn: 1.1664471	total: 2.05s	remaining: 4.22s
327:	learn: 1.1632576	total: 2.06s	remaining: 4.21s
328:	learn: 1.1595559	total: 2.06s	remaining: 4.21s
329:	learn: 1.1567533	total: 2.07s	remaining: 4.2s
330:	learn: 1.1538580	total: 2.08s	remaining: 4.2s
331:	learn: 1.1515012	total: 2.08s	remaining: 4.19s
332:	learn: 1.1493702	total: 2.09s	remaining: 4.19s
333:	learn: 1.1452856	total: 2.1s	remaining: 4.18s
334:	learn: 1.1434111	total: 2.1s	remaining: 4.18s
335:	learn: 1.1407964	total: 2.11s	remaining: 4.17s
336:	learn: 1.1380800	total: 2.12s	remaining: 4.17s
337:	learn: 1.1349920	total: 2.13s	remaining: 4.16s
338:	learn: 1.1326562	total: 2.13s	remaining: 4.16s
339:	learn: 1.1299231	total: 2.14s	remaining: 4.15s
340:	learn: 1.1276330	total: 2.15s	remaining: 4.15s
341:	learn: 1.1242612	total: 2.15s	remaining: 4.15s
342:	learn: 1.1212786	total: 2.16s	remaining: 4.14s
343:	learn: 1.1190099	total: 2.17s	remaining: 4.14s
344:	learn: 1.1159596	total: 2.18s	remaining: 4.14s
345:	learn: 1.1126712	total: 2.19s	remaining: 4.13s
346:	learn: 1.1097086	total: 2.19s	remaining: 4.13s
347:	learn: 1.1076058	total: 2.2s	remaining: 4.13s
348:	learn: 1.1053540	total: 2.21s	remaining: 4.12s
349:	learn: 1.1031570	total: 2.22s	remaining: 4.12s
350:	learn: 1.1005651	total: 2.22s	remaining: 4.11s
351:	learn: 1.0966165	total: 2.23s	remaining: 4.1s
352:	learn: 1.0954263	total: 2.23s	remaining: 4.09s
353:	learn: 1.0933812	total: 2.23s	remaining: 4.08s
354:	learn: 1.0899665	total: 2.24s	remaining: 4.07s
355:	learn: 1.0876601	total: 2.25s	remaining: 4.06s

356:	learn: 1.0857564	total: 2.25s	remaining: 4.06s
357:	learn: 1.0816842	total: 2.26s	remaining: 4.05s
358:	learn: 1.0793965	total: 2.27s	remaining: 4.04s
359:	learn: 1.0757309	total: 2.27s	remaining: 4.04s
360:	learn: 1.0738974	total: 2.28s	remaining: 4.03s
361:	learn: 1.0720577	total: 2.29s	remaining: 4.03s
362:	learn: 1.0696631	total: 2.29s	remaining: 4.02s
363:	learn: 1.0680679	total: 2.3s	remaining: 4.01s
364:	learn: 1.0652946	total: 2.31s	remaining: 4.01s
365:	learn: 1.0636744	total: 2.31s	remaining: 4s
366:	learn: 1.0620063	total: 2.32s	remaining: 4s
367:	learn: 1.0601805	total: 2.32s	remaining: 3.99s
368:	learn: 1.0587271	total: 2.33s	remaining: 3.98s
369:	learn: 1.0563933	total: 2.34s	remaining: 3.98s
370:	learn: 1.0546256	total: 2.34s	remaining: 3.97s
371:	learn: 1.0534019	total: 2.35s	remaining: 3.96s
372:	learn: 1.0517405	total: 2.36s	remaining: 3.96s
373:	learn: 1.0500590	total: 2.36s	remaining: 3.96s
374:	learn: 1.0469200	total: 2.37s	remaining: 3.95s
375:	learn: 1.0452727	total: 2.38s	remaining: 3.94s
376:	learn: 1.0442858	total: 2.38s	remaining: 3.94s
377:	learn: 1.0426518	total: 2.39s	remaining: 3.93s
378:	learn: 1.0402953	total: 2.4s	remaining: 3.93s
379:	learn: 1.0380697	total: 2.41s	remaining: 3.92s
380:	learn: 1.0351288	total: 2.41s	remaining: 3.92s
381:	learn: 1.0323930	total: 2.42s	remaining: 3.91s
382:	learn: 1.0311998	total: 2.42s	remaining: 3.9s
383:	learn: 1.0305629	total: 2.42s	remaining: 3.89s
384:	learn: 1.0290100	total: 2.43s	remaining: 3.88s
385:	learn: 1.0267148	total: 2.43s	remaining: 3.87s
386:	learn: 1.0246947	total: 2.44s	remaining: 3.86s
387:	learn: 1.0223404	total: 2.45s	remaining: 3.86s
388:	learn: 1.0212674	total: 2.45s	remaining: 3.85s
389:	learn: 1.0202594	total: 2.46s	remaining: 3.84s
390:	learn: 1.0181256	total: 2.46s	remaining: 3.84s
391:	learn: 1.0154519	total: 2.47s	remaining: 3.83s
392:	learn: 1.0134350	total: 2.48s	remaining: 3.82s
393:	learn: 1.0122209	total: 2.48s	remaining: 3.82s
394:	learn: 1.0113609	total: 2.49s	remaining: 3.81s
395:	learn: 1.0098586	total: 2.5s	remaining: 3.81s
396:	learn: 1.0086936	total: 2.5s	remaining: 3.8s
397:	learn: 1.0070130	total: 2.51s	remaining: 3.8s
398:	learn: 1.0047241	total: 2.52s	remaining: 3.79s
399:	learn: 1.0026811	total: 2.52s	remaining: 3.79s
400:	learn: 1.0001782	total: 2.53s	remaining: 3.78s
401:	learn: 0.9983805	total: 2.54s	remaining: 3.77s
402:	learn: 0.9964836	total: 2.54s	remaining: 3.77s
403:	learn: 0.9950612	total: 2.55s	remaining: 3.77s
404:	learn: 0.9937755	total: 2.56s	remaining: 3.76s
405:	learn: 0.9909482	total: 2.57s	remaining: 3.75s
406:	learn: 0.9900799	total: 2.57s	remaining: 3.75s
407:	learn: 0.9888048	total: 2.58s	remaining: 3.74s
408:	learn: 0.9868851	total: 2.59s	remaining: 3.74s
409:	learn: 0.9854650	total: 2.59s	remaining: 3.73s
410:	learn: 0.9829783	total: 2.6s	remaining: 3.73s
411:	learn: 0.9810084	total: 2.61s	remaining: 3.72s
412:	learn: 0.9788039	total: 2.62s	remaining: 3.72s
413:	learn: 0.9776892	total: 2.62s	remaining: 3.71s
414:	learn: 0.9750232	total: 2.63s	remaining: 3.7s
415:	learn: 0.9723077	total: 2.63s	remaining: 3.69s

416:	learn: 0.9701472	total: 2.63s	remaining: 3.68s
417:	learn: 0.9687214	total: 2.64s	remaining: 3.67s
418:	learn: 0.9665727	total: 2.64s	remaining: 3.67s
419:	learn: 0.9648138	total: 2.65s	remaining: 3.66s
420:	learn: 0.9621418	total: 2.66s	remaining: 3.65s
421:	learn: 0.9591388	total: 2.66s	remaining: 3.65s
422:	learn: 0.9576121	total: 2.67s	remaining: 3.64s
423:	learn: 0.9556623	total: 2.68s	remaining: 3.64s
424:	learn: 0.9533653	total: 2.69s	remaining: 3.64s
425:	learn: 0.9522839	total: 2.69s	remaining: 3.63s
426:	learn: 0.9488300	total: 2.7s	remaining: 3.62s
427:	learn: 0.9470048	total: 2.71s	remaining: 3.62s
428:	learn: 0.9441467	total: 2.71s	remaining: 3.61s
429:	learn: 0.9429371	total: 2.72s	remaining: 3.61s
430:	learn: 0.9412378	total: 2.73s	remaining: 3.6s
431:	learn: 0.9390127	total: 2.74s	remaining: 3.6s
432:	learn: 0.9371075	total: 2.74s	remaining: 3.59s
433:	learn: 0.9349841	total: 2.75s	remaining: 3.58s
434:	learn: 0.9336961	total: 2.75s	remaining: 3.58s
435:	learn: 0.9317315	total: 2.76s	remaining: 3.57s
436:	learn: 0.9289865	total: 2.76s	remaining: 3.56s
437:	learn: 0.9279126	total: 2.77s	remaining: 3.56s
438:	learn: 0.9265936	total: 2.78s	remaining: 3.55s
439:	learn: 0.9253209	total: 2.78s	remaining: 3.54s
440:	learn: 0.9229607	total: 2.79s	remaining: 3.54s
441:	learn: 0.9212669	total: 2.79s	remaining: 3.53s
442:	learn: 0.9199113	total: 2.8s	remaining: 3.52s
443:	learn: 0.9189270	total: 2.81s	remaining: 3.52s
444:	learn: 0.9176433	total: 2.82s	remaining: 3.52s
445:	learn: 0.9161530	total: 2.83s	remaining: 3.51s
446:	learn: 0.9148741	total: 2.83s	remaining: 3.5s
447:	learn: 0.9129098	total: 2.84s	remaining: 3.5s
448:	learn: 0.9119958	total: 2.84s	remaining: 3.49s
449:	learn: 0.9110810	total: 2.85s	remaining: 3.48s
450:	learn: 0.9093734	total: 2.86s	remaining: 3.48s
451:	learn: 0.9071533	total: 2.86s	remaining: 3.47s
452:	learn: 0.9056490	total: 2.87s	remaining: 3.46s
453:	learn: 0.9040209	total: 2.88s	remaining: 3.46s
454:	learn: 0.9031759	total: 2.88s	remaining: 3.45s
455:	learn: 0.9022945	total: 2.89s	remaining: 3.45s
456:	learn: 0.9011024	total: 2.89s	remaining: 3.44s
457:	learn: 0.8986870	total: 2.9s	remaining: 3.43s
458:	learn: 0.8973017	total: 2.9s	remaining: 3.42s
459:	learn: 0.8958791	total: 2.91s	remaining: 3.42s
460:	learn: 0.8946032	total: 2.91s	remaining: 3.41s
461:	learn: 0.8935326	total: 2.92s	remaining: 3.4s
462:	learn: 0.8916220	total: 2.92s	remaining: 3.39s
463:	learn: 0.8908211	total: 2.93s	remaining: 3.38s
464:	learn: 0.8889766	total: 2.93s	remaining: 3.37s
465:	learn: 0.8877092	total: 2.94s	remaining: 3.37s
466:	learn: 0.8870221	total: 2.94s	remaining: 3.36s
467:	learn: 0.8857391	total: 2.95s	remaining: 3.35s
468:	learn: 0.8837398	total: 2.95s	remaining: 3.34s
469:	learn: 0.8827497	total: 2.95s	remaining: 3.33s
470:	learn: 0.8818788	total: 2.96s	remaining: 3.32s
471:	learn: 0.8806259	total: 2.96s	remaining: 3.31s
472:	learn: 0.8792329	total: 2.97s	remaining: 3.31s
473:	learn: 0.8779534	total: 2.97s	remaining: 3.3s
474:	learn: 0.8760967	total: 2.98s	remaining: 3.29s
475:	learn: 0.8752575	total: 2.98s	remaining: 3.29s

476:	learn: 0.8740681	total: 2.99s	remaining: 3.28s
477:	learn: 0.8724268	total: 3s	remaining: 3.27s
478:	learn: 0.8710631	total: 3s	remaining: 3.27s
479:	learn: 0.8701057	total: 3.01s	remaining: 3.26s
480:	learn: 0.8688019	total: 3.02s	remaining: 3.25s
481:	learn: 0.8678088	total: 3.02s	remaining: 3.25s
482:	learn: 0.8660419	total: 3.03s	remaining: 3.25s
483:	learn: 0.8651249	total: 3.04s	remaining: 3.24s
484:	learn: 0.8638273	total: 3.04s	remaining: 3.23s
485:	learn: 0.8621117	total: 3.05s	remaining: 3.22s
486:	learn: 0.8609087	total: 3.05s	remaining: 3.21s
487:	learn: 0.8585602	total: 3.05s	remaining: 3.2s
488:	learn: 0.8570359	total: 3.06s	remaining: 3.19s
489:	learn: 0.8561016	total: 3.06s	remaining: 3.19s
490:	learn: 0.8545332	total: 3.07s	remaining: 3.18s
491:	learn: 0.8530837	total: 3.07s	remaining: 3.17s
492:	learn: 0.8509595	total: 3.08s	remaining: 3.17s
493:	learn: 0.8494824	total: 3.08s	remaining: 3.16s
494:	learn: 0.8467290	total: 3.09s	remaining: 3.15s
495:	learn: 0.8450351	total: 3.1s	remaining: 3.15s
496:	learn: 0.8442638	total: 3.1s	remaining: 3.14s
497:	learn: 0.8426306	total: 3.11s	remaining: 3.13s
498:	learn: 0.8411517	total: 3.11s	remaining: 3.12s
499:	learn: 0.8402097	total: 3.12s	remaining: 3.12s
500:	learn: 0.8391568	total: 3.12s	remaining: 3.11s
501:	learn: 0.8382306	total: 3.13s	remaining: 3.1s
502:	learn: 0.8375225	total: 3.13s	remaining: 3.09s
503:	learn: 0.8366909	total: 3.14s	remaining: 3.09s
504:	learn: 0.8357708	total: 3.14s	remaining: 3.08s
505:	learn: 0.8352947	total: 3.14s	remaining: 3.07s
506:	learn: 0.8342226	total: 3.15s	remaining: 3.06s
507:	learn: 0.8328379	total: 3.15s	remaining: 3.05s
508:	learn: 0.8313394	total: 3.16s	remaining: 3.05s
509:	learn: 0.8304022	total: 3.16s	remaining: 3.04s
510:	learn: 0.8293791	total: 3.17s	remaining: 3.03s
511:	learn: 0.8286169	total: 3.17s	remaining: 3.02s
512:	learn: 0.8277666	total: 3.17s	remaining: 3.01s
513:	learn: 0.8261337	total: 3.18s	remaining: 3.01s
514:	learn: 0.8249912	total: 3.19s	remaining: 3s
515:	learn: 0.8240505	total: 3.19s	remaining: 2.99s
516:	learn: 0.8231942	total: 3.2s	remaining: 2.99s
517:	learn: 0.8219342	total: 3.2s	remaining: 2.98s
518:	learn: 0.8212005	total: 3.21s	remaining: 2.97s
519:	learn: 0.8201847	total: 3.21s	remaining: 2.97s
520:	learn: 0.8186618	total: 3.22s	remaining: 2.96s
521:	learn: 0.8176617	total: 3.22s	remaining: 2.95s
522:	learn: 0.8161609	total: 3.23s	remaining: 2.95s
523:	learn: 0.8143615	total: 3.23s	remaining: 2.94s
524:	learn: 0.8130590	total: 3.24s	remaining: 2.93s
525:	learn: 0.8121412	total: 3.24s	remaining: 2.92s
526:	learn: 0.8107844	total: 3.25s	remaining: 2.91s
527:	learn: 0.8091389	total: 3.25s	remaining: 2.91s
528:	learn: 0.8084472	total: 3.26s	remaining: 2.9s
529:	learn: 0.8079402	total: 3.26s	remaining: 2.89s
530:	learn: 0.8066261	total: 3.27s	remaining: 2.88s
531:	learn: 0.8057903	total: 3.27s	remaining: 2.88s
532:	learn: 0.8045105	total: 3.27s	remaining: 2.87s
533:	learn: 0.8033889	total: 3.28s	remaining: 2.86s
534:	learn: 0.8022463	total: 3.28s	remaining: 2.85s
535:	learn: 0.8014522	total: 3.29s	remaining: 2.85s

536:	learn: 0.8005038	total: 3.29s	remaining: 2.84s
537:	learn: 0.7996298	total: 3.3s	remaining: 2.83s
538:	learn: 0.7979205	total: 3.3s	remaining: 2.82s
539:	learn: 0.7969663	total: 3.31s	remaining: 2.82s
540:	learn: 0.7960123	total: 3.31s	remaining: 2.81s
541:	learn: 0.7949011	total: 3.32s	remaining: 2.8s
542:	learn: 0.7935723	total: 3.32s	remaining: 2.8s
543:	learn: 0.7915221	total: 3.33s	remaining: 2.79s
544:	learn: 0.7902258	total: 3.33s	remaining: 2.78s
545:	learn: 0.7886101	total: 3.34s	remaining: 2.78s
546:	learn: 0.7874607	total: 3.34s	remaining: 2.77s
547:	learn: 0.7857525	total: 3.35s	remaining: 2.76s
548:	learn: 0.7848752	total: 3.35s	remaining: 2.75s
549:	learn: 0.7839131	total: 3.36s	remaining: 2.75s
550:	learn: 0.7821764	total: 3.36s	remaining: 2.74s
551:	learn: 0.7814622	total: 3.37s	remaining: 2.73s
552:	learn: 0.7805849	total: 3.38s	remaining: 2.73s
553:	learn: 0.7798618	total: 3.38s	remaining: 2.72s
554:	learn: 0.7782318	total: 3.38s	remaining: 2.71s
555:	learn: 0.7769615	total: 3.39s	remaining: 2.71s
556:	learn: 0.7761300	total: 3.4s	remaining: 2.7s
557:	learn: 0.7749129	total: 3.4s	remaining: 2.69s
558:	learn: 0.7742448	total: 3.41s	remaining: 2.69s
559:	learn: 0.7731320	total: 3.41s	remaining: 2.68s
560:	learn: 0.7728984	total: 3.41s	remaining: 2.67s
561:	learn: 0.7723018	total: 3.42s	remaining: 2.66s
562:	learn: 0.7711689	total: 3.42s	remaining: 2.66s
563:	learn: 0.7702322	total: 3.43s	remaining: 2.65s
564:	learn: 0.7690406	total: 3.43s	remaining: 2.64s
565:	learn: 0.7686502	total: 3.44s	remaining: 2.63s
566:	learn: 0.7680453	total: 3.44s	remaining: 2.63s
567:	learn: 0.7673768	total: 3.44s	remaining: 2.62s
568:	learn: 0.7667425	total: 3.45s	remaining: 2.61s
569:	learn: 0.7656957	total: 3.46s	remaining: 2.61s
570:	learn: 0.7645935	total: 3.46s	remaining: 2.6s
571:	learn: 0.7635826	total: 3.47s	remaining: 2.59s
572:	learn: 0.7625889	total: 3.47s	remaining: 2.59s
573:	learn: 0.7617913	total: 3.48s	remaining: 2.58s
574:	learn: 0.7611061	total: 3.48s	remaining: 2.57s
575:	learn: 0.7597363	total: 3.48s	remaining: 2.56s
576:	learn: 0.7582683	total: 3.49s	remaining: 2.56s
577:	learn: 0.7570564	total: 3.49s	remaining: 2.55s
578:	learn: 0.7558987	total: 3.5s	remaining: 2.54s
579:	learn: 0.7546387	total: 3.5s	remaining: 2.54s
580:	learn: 0.7535731	total: 3.5s	remaining: 2.53s
581:	learn: 0.7529649	total: 3.51s	remaining: 2.52s
582:	learn: 0.7520755	total: 3.51s	remaining: 2.51s
583:	learn: 0.7514670	total: 3.52s	remaining: 2.5s
584:	learn: 0.7506301	total: 3.52s	remaining: 2.5s
585:	learn: 0.7499331	total: 3.53s	remaining: 2.49s
586:	learn: 0.7490499	total: 3.53s	remaining: 2.48s
587:	learn: 0.7480158	total: 3.54s	remaining: 2.48s
588:	learn: 0.7471821	total: 3.54s	remaining: 2.47s
589:	learn: 0.7459870	total: 3.55s	remaining: 2.46s
590:	learn: 0.7451736	total: 3.55s	remaining: 2.46s
591:	learn: 0.7442661	total: 3.56s	remaining: 2.45s
592:	learn: 0.7435720	total: 3.56s	remaining: 2.44s
593:	learn: 0.7427545	total: 3.57s	remaining: 2.44s
594:	learn: 0.7413635	total: 3.57s	remaining: 2.43s
595:	learn: 0.7402691	total: 3.58s	remaining: 2.43s

596:	learn: 0.7395705	total: 3.59s	remaining: 2.42s
597:	learn: 0.7387249	total: 3.59s	remaining: 2.42s
598:	learn: 0.7381571	total: 3.6s	remaining: 2.41s
599:	learn: 0.7375373	total: 3.6s	remaining: 2.4s
600:	learn: 0.7368162	total: 3.6s	remaining: 2.39s
601:	learn: 0.7363066	total: 3.61s	remaining: 2.38s
602:	learn: 0.7352653	total: 3.61s	remaining: 2.38s
603:	learn: 0.7342637	total: 3.62s	remaining: 2.37s
604:	learn: 0.7333408	total: 3.62s	remaining: 2.37s
605:	learn: 0.7328531	total: 3.63s	remaining: 2.36s
606:	learn: 0.7319338	total: 3.63s	remaining: 2.35s
607:	learn: 0.7306169	total: 3.64s	remaining: 2.35s
608:	learn: 0.7299278	total: 3.64s	remaining: 2.34s
609:	learn: 0.7295127	total: 3.65s	remaining: 2.33s
610:	learn: 0.7290640	total: 3.65s	remaining: 2.33s
611:	learn: 0.7281892	total: 3.66s	remaining: 2.32s
612:	learn: 0.7268940	total: 3.66s	remaining: 2.31s
613:	learn: 0.7262053	total: 3.67s	remaining: 2.31s
614:	learn: 0.7251213	total: 3.67s	remaining: 2.3s
615:	learn: 0.7244833	total: 3.68s	remaining: 2.29s
616:	learn: 0.7237019	total: 3.68s	remaining: 2.28s
617:	learn: 0.7231784	total: 3.68s	remaining: 2.28s
618:	learn: 0.7224516	total: 3.69s	remaining: 2.27s
619:	learn: 0.7213872	total: 3.69s	remaining: 2.27s
620:	learn: 0.7206704	total: 3.7s	remaining: 2.26s
621:	learn: 0.7195522	total: 3.71s	remaining: 2.25s
622:	learn: 0.7190558	total: 3.71s	remaining: 2.25s
623:	learn: 0.7178444	total: 3.72s	remaining: 2.24s
624:	learn: 0.7173487	total: 3.73s	remaining: 2.24s
625:	learn: 0.7167953	total: 3.74s	remaining: 2.23s
626:	learn: 0.7161902	total: 3.74s	remaining: 2.23s
627:	learn: 0.7152719	total: 3.75s	remaining: 2.22s
628:	learn: 0.7142232	total: 3.75s	remaining: 2.21s
629:	learn: 0.7133759	total: 3.76s	remaining: 2.21s
630:	learn: 0.7129368	total: 3.76s	remaining: 2.2s
631:	learn: 0.7121855	total: 3.77s	remaining: 2.19s
632:	learn: 0.7111638	total: 3.77s	remaining: 2.19s
633:	learn: 0.7101912	total: 3.78s	remaining: 2.18s
634:	learn: 0.7090843	total: 3.79s	remaining: 2.18s
635:	learn: 0.7083782	total: 3.79s	remaining: 2.17s
636:	learn: 0.7070516	total: 3.8s	remaining: 2.17s
637:	learn: 0.7063180	total: 3.8s	remaining: 2.16s
638:	learn: 0.7052972	total: 3.81s	remaining: 2.15s
639:	learn: 0.7045728	total: 3.81s	remaining: 2.14s
640:	learn: 0.7039543	total: 3.82s	remaining: 2.14s
641:	learn: 0.7029965	total: 3.82s	remaining: 2.13s
642:	learn: 0.7015849	total: 3.83s	remaining: 2.13s
643:	learn: 0.7007142	total: 3.83s	remaining: 2.12s
644:	learn: 0.7001970	total: 3.84s	remaining: 2.11s
645:	learn: 0.6992002	total: 3.85s	remaining: 2.11s
646:	learn: 0.6981102	total: 3.85s	remaining: 2.1s
647:	learn: 0.6968614	total: 3.86s	remaining: 2.1s
648:	learn: 0.6958915	total: 3.87s	remaining: 2.09s
649:	learn: 0.6950074	total: 3.87s	remaining: 2.08s
650:	learn: 0.6943251	total: 3.88s	remaining: 2.08s
651:	learn: 0.6938388	total: 3.88s	remaining: 2.07s
652:	learn: 0.6930581	total: 3.89s	remaining: 2.07s
653:	learn: 0.6925413	total: 3.9s	remaining: 2.06s
654:	learn: 0.6921289	total: 3.91s	remaining: 2.06s
655:	learn: 0.6915801	total: 3.91s	remaining: 2.05s

656:	learn: 0.6910775	total: 3.92s	remaining: 2.05s
657:	learn: 0.6906251	total: 3.93s	remaining: 2.04s
658:	learn: 0.6898517	total: 3.94s	remaining: 2.04s
659:	learn: 0.6893087	total: 3.94s	remaining: 2.03s
660:	learn: 0.6886200	total: 3.95s	remaining: 2.02s
661:	learn: 0.6879622	total: 3.96s	remaining: 2.02s
662:	learn: 0.6869457	total: 3.97s	remaining: 2.02s
663:	learn: 0.6862201	total: 3.97s	remaining: 2.01s
664:	learn: 0.6853881	total: 3.98s	remaining: 2.01s
665:	learn: 0.6847716	total: 3.99s	remaining: 2s
666:	learn: 0.6843222	total: 4s	remaining: 2s
667:	learn: 0.6835357	total: 4.01s	remaining: 1.99s
668:	learn: 0.6831437	total: 4.01s	remaining: 1.98s
669:	learn: 0.6819831	total: 4.01s	remaining: 1.98s
670:	learn: 0.6811411	total: 4.02s	remaining: 1.97s
671:	learn: 0.6803458	total: 4.02s	remaining: 1.96s
672:	learn: 0.6793098	total: 4.03s	remaining: 1.96s
673:	learn: 0.6781960	total: 4.04s	remaining: 1.95s
674:	learn: 0.6775603	total: 4.04s	remaining: 1.95s
675:	learn: 0.6771141	total: 4.05s	remaining: 1.94s
676:	learn: 0.6764332	total: 4.05s	remaining: 1.93s
677:	learn: 0.6759519	total: 4.06s	remaining: 1.93s
678:	learn: 0.6753170	total: 4.07s	remaining: 1.92s
679:	learn: 0.6745920	total: 4.07s	remaining: 1.92s
680:	learn: 0.6742743	total: 4.08s	remaining: 1.91s
681:	learn: 0.6738471	total: 4.08s	remaining: 1.91s
682:	learn: 0.6735108	total: 4.09s	remaining: 1.9s
683:	learn: 0.6727037	total: 4.1s	remaining: 1.89s
684:	learn: 0.6718821	total: 4.1s	remaining: 1.89s
685:	learn: 0.6714249	total: 4.11s	remaining: 1.88s
686:	learn: 0.6705925	total: 4.12s	remaining: 1.88s
687:	learn: 0.6702539	total: 4.12s	remaining: 1.87s
688:	learn: 0.6697208	total: 4.13s	remaining: 1.86s
689:	learn: 0.6688500	total: 4.14s	remaining: 1.86s
690:	learn: 0.6678500	total: 4.14s	remaining: 1.85s
691:	learn: 0.6669716	total: 4.15s	remaining: 1.85s
692:	learn: 0.6660641	total: 4.16s	remaining: 1.84s
693:	learn: 0.6652844	total: 4.17s	remaining: 1.84s
694:	learn: 0.6646796	total: 4.17s	remaining: 1.83s
695:	learn: 0.6643128	total: 4.18s	remaining: 1.82s
696:	learn: 0.6637467	total: 4.19s	remaining: 1.82s
697:	learn: 0.6633220	total: 4.19s	remaining: 1.81s
698:	learn: 0.6626811	total: 4.2s	remaining: 1.81s
699:	learn: 0.6621887	total: 4.2s	remaining: 1.8s
700:	learn: 0.6618413	total: 4.2s	remaining: 1.79s
701:	learn: 0.6609582	total: 4.21s	remaining: 1.79s
702:	learn: 0.6605457	total: 4.21s	remaining: 1.78s
703:	learn: 0.6600313	total: 4.22s	remaining: 1.77s
704:	learn: 0.6589688	total: 4.22s	remaining: 1.77s
705:	learn: 0.6580437	total: 4.23s	remaining: 1.76s
706:	learn: 0.6575008	total: 4.24s	remaining: 1.75s
707:	learn: 0.6566946	total: 4.24s	remaining: 1.75s
708:	learn: 0.6561191	total: 4.25s	remaining: 1.74s
709:	learn: 0.6555677	total: 4.25s	remaining: 1.74s
710:	learn: 0.6549137	total: 4.25s	remaining: 1.73s
711:	learn: 0.6545755	total: 4.26s	remaining: 1.72s
712:	learn: 0.6540780	total: 4.27s	remaining: 1.72s
713:	learn: 0.6534726	total: 4.27s	remaining: 1.71s
714:	learn: 0.6530815	total: 4.28s	remaining: 1.71s
715:	learn: 0.6527478	total: 4.29s	remaining: 1.7s

716:	learn: 0.6520486	total: 4.29s	remaining: 1.69s
717:	learn: 0.6514454	total: 4.3s	remaining: 1.69s
718:	learn: 0.6509817	total: 4.3s	remaining: 1.68s
719:	learn: 0.6502831	total: 4.3s	remaining: 1.67s
720:	learn: 0.6497034	total: 4.31s	remaining: 1.67s
721:	learn: 0.6492006	total: 4.32s	remaining: 1.66s
722:	learn: 0.6488017	total: 4.32s	remaining: 1.66s
723:	learn: 0.6483123	total: 4.33s	remaining: 1.65s
724:	learn: 0.6478058	total: 4.33s	remaining: 1.64s
725:	learn: 0.6474612	total: 4.34s	remaining: 1.64s
726:	learn: 0.6473145	total: 4.35s	remaining: 1.63s
727:	learn: 0.6466575	total: 4.35s	remaining: 1.63s
728:	learn: 0.6463104	total: 4.36s	remaining: 1.62s
729:	learn: 0.6458904	total: 4.37s	remaining: 1.61s
730:	learn: 0.6450553	total: 4.37s	remaining: 1.61s
731:	learn: 0.6446566	total: 4.38s	remaining: 1.6s
732:	learn: 0.6438132	total: 4.38s	remaining: 1.6s
733:	learn: 0.6429777	total: 4.39s	remaining: 1.59s
734:	learn: 0.6423352	total: 4.39s	remaining: 1.58s
735:	learn: 0.6421281	total: 4.4s	remaining: 1.58s
736:	learn: 0.6413847	total: 4.4s	remaining: 1.57s
737:	learn: 0.6406271	total: 4.41s	remaining: 1.56s
738:	learn: 0.6403483	total: 4.41s	remaining: 1.56s
739:	learn: 0.6399631	total: 4.42s	remaining: 1.55s
740:	learn: 0.6396284	total: 4.42s	remaining: 1.55s
741:	learn: 0.6391700	total: 4.43s	remaining: 1.54s
742:	learn: 0.6382836	total: 4.44s	remaining: 1.53s
743:	learn: 0.6378165	total: 4.45s	remaining: 1.53s
744:	learn: 0.6370756	total: 4.45s	remaining: 1.52s
745:	learn: 0.6363094	total: 4.46s	remaining: 1.52s
746:	learn: 0.6356987	total: 4.46s	remaining: 1.51s
747:	learn: 0.6353440	total: 4.47s	remaining: 1.51s
748:	learn: 0.6343705	total: 4.48s	remaining: 1.5s
749:	learn: 0.6335104	total: 4.49s	remaining: 1.5s
750:	learn: 0.6331543	total: 4.49s	remaining: 1.49s
751:	learn: 0.6329202	total: 4.5s	remaining: 1.48s
752:	learn: 0.6325565	total: 4.5s	remaining: 1.48s
753:	learn: 0.6321810	total: 4.51s	remaining: 1.47s
754:	learn: 0.6316641	total: 4.51s	remaining: 1.46s
755:	learn: 0.6311251	total: 4.52s	remaining: 1.46s
756:	learn: 0.6305730	total: 4.52s	remaining: 1.45s
757:	learn: 0.6301425	total: 4.53s	remaining: 1.45s
758:	learn: 0.6295606	total: 4.53s	remaining: 1.44s
759:	learn: 0.6287519	total: 4.54s	remaining: 1.43s
760:	learn: 0.6281855	total: 4.55s	remaining: 1.43s
761:	learn: 0.6273700	total: 4.55s	remaining: 1.42s
762:	learn: 0.6267399	total: 4.56s	remaining: 1.42s
763:	learn: 0.6262426	total: 4.56s	remaining: 1.41s
764:	learn: 0.6257700	total: 4.57s	remaining: 1.4s
765:	learn: 0.6252154	total: 4.57s	remaining: 1.4s
766:	learn: 0.6247750	total: 4.58s	remaining: 1.39s
767:	learn: 0.6244150	total: 4.58s	remaining: 1.38s
768:	learn: 0.6239629	total: 4.58s	remaining: 1.38s
769:	learn: 0.6233233	total: 4.59s	remaining: 1.37s
770:	learn: 0.6227439	total: 4.6s	remaining: 1.36s
771:	learn: 0.6222320	total: 4.6s	remaining: 1.36s
772:	learn: 0.6217418	total: 4.61s	remaining: 1.35s
773:	learn: 0.6212769	total: 4.61s	remaining: 1.35s
774:	learn: 0.6208122	total: 4.62s	remaining: 1.34s
775:	learn: 0.6203680	total: 4.63s	remaining: 1.33s

776:	learn: 0.6201258	total: 4.63s	remaining: 1.33s
777:	learn: 0.6196836	total: 4.64s	remaining: 1.32s
778:	learn: 0.6192922	total: 4.65s	remaining: 1.32s
779:	learn: 0.6189741	total: 4.66s	remaining: 1.31s
780:	learn: 0.6182809	total: 4.66s	remaining: 1.31s
781:	learn: 0.6176630	total: 4.67s	remaining: 1.3s
782:	learn: 0.6172148	total: 4.67s	remaining: 1.29s
783:	learn: 0.6167133	total: 4.68s	remaining: 1.29s
784:	learn: 0.6161655	total: 4.68s	remaining: 1.28s
785:	learn: 0.6155548	total: 4.69s	remaining: 1.28s
786:	learn: 0.6145207	total: 4.7s	remaining: 1.27s
787:	learn: 0.6139860	total: 4.7s	remaining: 1.26s
788:	learn: 0.6136428	total: 4.71s	remaining: 1.26s
789:	learn: 0.6132315	total: 4.71s	remaining: 1.25s
790:	learn: 0.6128408	total: 4.72s	remaining: 1.25s
791:	learn: 0.6122078	total: 4.72s	remaining: 1.24s
792:	learn: 0.6118651	total: 4.73s	remaining: 1.23s
793:	learn: 0.6115645	total: 4.73s	remaining: 1.23s
794:	learn: 0.6109336	total: 4.74s	remaining: 1.22s
795:	learn: 0.6101906	total: 4.75s	remaining: 1.22s
796:	learn: 0.6097955	total: 4.75s	remaining: 1.21s
797:	learn: 0.6091520	total: 4.75s	remaining: 1.2s
798:	learn: 0.6090131	total: 4.76s	remaining: 1.2s
799:	learn: 0.6086395	total: 4.76s	remaining: 1.19s
800:	learn: 0.6081525	total: 4.77s	remaining: 1.18s
801:	learn: 0.6076401	total: 4.77s	remaining: 1.18s
802:	learn: 0.6071802	total: 4.78s	remaining: 1.17s
803:	learn: 0.6070208	total: 4.78s	remaining: 1.17s
804:	learn: 0.6061895	total: 4.79s	remaining: 1.16s
805:	learn: 0.6057527	total: 4.79s	remaining: 1.15s
806:	learn: 0.6054550	total: 4.8s	remaining: 1.15s
807:	learn: 0.6049032	total: 4.8s	remaining: 1.14s
808:	learn: 0.6044843	total: 4.81s	remaining: 1.13s
809:	learn: 0.6039252	total: 4.81s	remaining: 1.13s
810:	learn: 0.6036039	total: 4.82s	remaining: 1.12s
811:	learn: 0.6026713	total: 4.82s	remaining: 1.12s
812:	learn: 0.6022317	total: 4.83s	remaining: 1.11s
813:	learn: 0.6016268	total: 4.83s	remaining: 1.1s
814:	learn: 0.6011683	total: 4.83s	remaining: 1.1s
815:	learn: 0.6007049	total: 4.84s	remaining: 1.09s
816:	learn: 0.6002297	total: 4.85s	remaining: 1.08s
817:	learn: 0.5995671	total: 4.85s	remaining: 1.08s
818:	learn: 0.5989291	total: 4.86s	remaining: 1.07s
819:	learn: 0.5987149	total: 4.86s	remaining: 1.07s
820:	learn: 0.5981932	total: 4.87s	remaining: 1.06s
821:	learn: 0.5976453	total: 4.87s	remaining: 1.05s
822:	learn: 0.5967162	total: 4.88s	remaining: 1.05s
823:	learn: 0.5961757	total: 4.88s	remaining: 1.04s
824:	learn: 0.5957616	total: 4.89s	remaining: 1.04s
825:	learn: 0.5951138	total: 4.89s	remaining: 1.03s
826:	learn: 0.5945112	total: 4.9s	remaining: 1.02s
827:	learn: 0.5941203	total: 4.9s	remaining: 1.02s
828:	learn: 0.5938216	total: 4.91s	remaining: 1.01s
829:	learn: 0.5933704	total: 4.92s	remaining: 1.01s
830:	learn: 0.5929573	total: 4.92s	remaining: 1s
831:	learn: 0.5925714	total: 4.93s	remaining: 996ms
832:	learn: 0.5919974	total: 4.94s	remaining: 990ms
833:	learn: 0.5915857	total: 4.95s	remaining: 984ms
834:	learn: 0.5912209	total: 4.95s	remaining: 978ms
835:	learn: 0.5906385	total: 4.96s	remaining: 972ms

836:	learn: 0.5902622	total: 4.96s	remaining: 966ms
837:	learn: 0.5896432	total: 4.96s	remaining: 959ms
838:	learn: 0.5891946	total: 4.96s	remaining: 953ms
839:	learn: 0.5886863	total: 4.97s	remaining: 947ms
840:	learn: 0.5881988	total: 4.98s	remaining: 941ms
841:	learn: 0.5878957	total: 4.98s	remaining: 935ms
842:	learn: 0.5875226	total: 4.99s	remaining: 929ms
843:	learn: 0.5875117	total: 4.99s	remaining: 923ms
844:	learn: 0.5867801	total: 5s	remaining: 917ms
845:	learn: 0.5863658	total: 5s	remaining: 911ms
846:	learn: 0.5856960	total: 5.01s	remaining: 905ms
847:	learn: 0.5853086	total: 5.01s	remaining: 899ms
848:	learn: 0.5847940	total: 5.02s	remaining: 893ms
849:	learn: 0.5845262	total: 5.03s	remaining: 887ms
850:	learn: 0.5840887	total: 5.04s	remaining: 882ms
851:	learn: 0.5836974	total: 5.04s	remaining: 876ms
852:	learn: 0.5831250	total: 5.05s	remaining: 871ms
853:	learn: 0.5826109	total: 5.06s	remaining: 865ms
854:	learn: 0.5823387	total: 5.06s	remaining: 859ms
855:	learn: 0.5817847	total: 5.07s	remaining: 853ms
856:	learn: 0.5812620	total: 5.08s	remaining: 847ms
857:	learn: 0.5808082	total: 5.09s	remaining: 842ms
858:	learn: 0.5805269	total: 5.09s	remaining: 836ms
859:	learn: 0.5801859	total: 5.1s	remaining: 830ms
860:	learn: 0.5799193	total: 5.1s	remaining: 824ms
861:	learn: 0.5795195	total: 5.11s	remaining: 818ms
862:	learn: 0.5789687	total: 5.12s	remaining: 812ms
863:	learn: 0.5788196	total: 5.12s	remaining: 806ms
864:	learn: 0.5785002	total: 5.13s	remaining: 801ms
865:	learn: 0.5778756	total: 5.13s	remaining: 795ms
866:	learn: 0.5776599	total: 5.14s	remaining: 789ms
867:	learn: 0.5771938	total: 5.15s	remaining: 783ms
868:	learn: 0.5767448	total: 5.16s	remaining: 778ms
869:	learn: 0.5761010	total: 5.17s	remaining: 772ms
870:	learn: 0.5758073	total: 5.17s	remaining: 766ms
871:	learn: 0.5755716	total: 5.17s	remaining: 759ms
872:	learn: 0.5752368	total: 5.18s	remaining: 754ms
873:	learn: 0.5749384	total: 5.18s	remaining: 747ms
874:	learn: 0.5743445	total: 5.19s	remaining: 742ms
875:	learn: 0.5739066	total: 5.2s	remaining: 736ms
876:	learn: 0.5734488	total: 5.21s	remaining: 730ms
877:	learn: 0.5729980	total: 5.21s	remaining: 724ms
878:	learn: 0.5725892	total: 5.22s	remaining: 719ms
879:	learn: 0.5722891	total: 5.23s	remaining: 713ms
880:	learn: 0.5718868	total: 5.23s	remaining: 707ms
881:	learn: 0.5717262	total: 5.24s	remaining: 701ms
882:	learn: 0.5708986	total: 5.25s	remaining: 695ms
883:	learn: 0.5704442	total: 5.25s	remaining: 689ms
884:	learn: 0.5701355	total: 5.26s	remaining: 683ms
885:	learn: 0.5695251	total: 5.27s	remaining: 678ms
886:	learn: 0.5690927	total: 5.27s	remaining: 672ms
887:	learn: 0.5686440	total: 5.28s	remaining: 666ms
888:	learn: 0.5681444	total: 5.29s	remaining: 660ms
889:	learn: 0.5675947	total: 5.29s	remaining: 654ms
890:	learn: 0.5671573	total: 5.3s	remaining: 648ms
891:	learn: 0.5668072	total: 5.3s	remaining: 642ms
892:	learn: 0.5664698	total: 5.31s	remaining: 636ms
893:	learn: 0.5658348	total: 5.31s	remaining: 630ms
894:	learn: 0.5654777	total: 5.32s	remaining: 624ms
895:	learn: 0.5652560	total: 5.33s	remaining: 618ms

896:	learn: 0.5647882	total: 5.33s	remaining: 612ms
897:	learn: 0.5644122	total: 5.34s	remaining: 606ms
898:	learn: 0.5641609	total: 5.34s	remaining: 600ms
899:	learn: 0.5637838	total: 5.35s	remaining: 594ms
900:	learn: 0.5631470	total: 5.35s	remaining: 588ms
901:	learn: 0.5629128	total: 5.36s	remaining: 583ms
902:	learn: 0.5627750	total: 5.37s	remaining: 577ms
903:	learn: 0.5622746	total: 5.37s	remaining: 570ms
904:	learn: 0.5616603	total: 5.37s	remaining: 564ms
905:	learn: 0.5613686	total: 5.38s	remaining: 558ms
906:	learn: 0.5611615	total: 5.38s	remaining: 552ms
907:	learn: 0.5608373	total: 5.39s	remaining: 546ms
908:	learn: 0.5601624	total: 5.39s	remaining: 540ms
909:	learn: 0.5596046	total: 5.4s	remaining: 534ms
910:	learn: 0.5592624	total: 5.4s	remaining: 528ms
911:	learn: 0.5589878	total: 5.41s	remaining: 522ms
912:	learn: 0.5587555	total: 5.42s	remaining: 516ms
913:	learn: 0.5584445	total: 5.42s	remaining: 510ms
914:	learn: 0.5580505	total: 5.43s	remaining: 504ms
915:	learn: 0.5578454	total: 5.43s	remaining: 498ms
916:	learn: 0.5576924	total: 5.44s	remaining: 492ms
917:	learn: 0.5575056	total: 5.44s	remaining: 486ms
918:	learn: 0.5571615	total: 5.45s	remaining: 480ms
919:	learn: 0.5568117	total: 5.45s	remaining: 474ms
920:	learn: 0.5565628	total: 5.46s	remaining: 468ms
921:	learn: 0.5562498	total: 5.46s	remaining: 462ms
922:	learn: 0.5558052	total: 5.47s	remaining: 456ms
923:	learn: 0.5554430	total: 5.47s	remaining: 450ms
924:	learn: 0.5551568	total: 5.48s	remaining: 444ms
925:	learn: 0.5546599	total: 5.48s	remaining: 438ms
926:	learn: 0.5543421	total: 5.49s	remaining: 433ms
927:	learn: 0.5540088	total: 5.5s	remaining: 427ms
928:	learn: 0.5535494	total: 5.5s	remaining: 421ms
929:	learn: 0.5535309	total: 5.51s	remaining: 415ms
930:	learn: 0.5529505	total: 5.51s	remaining: 409ms
931:	learn: 0.5527170	total: 5.52s	remaining: 403ms
932:	learn: 0.5525374	total: 5.53s	remaining: 397ms
933:	learn: 0.5521102	total: 5.53s	remaining: 391ms
934:	learn: 0.5519090	total: 5.54s	remaining: 385ms
935:	learn: 0.5515821	total: 5.54s	remaining: 379ms
936:	learn: 0.5509951	total: 5.55s	remaining: 373ms
937:	learn: 0.5504940	total: 5.56s	remaining: 367ms
938:	learn: 0.5503770	total: 5.56s	remaining: 361ms
939:	learn: 0.5500075	total: 5.57s	remaining: 356ms
940:	learn: 0.5495177	total: 5.57s	remaining: 349ms
941:	learn: 0.5489726	total: 5.58s	remaining: 343ms
942:	learn: 0.5483889	total: 5.58s	remaining: 337ms
943:	learn: 0.5478664	total: 5.59s	remaining: 332ms
944:	learn: 0.5475803	total: 5.6s	remaining: 326ms
945:	learn: 0.5472859	total: 5.61s	remaining: 320ms
946:	learn: 0.5465774	total: 5.61s	remaining: 314ms
947:	learn: 0.5462049	total: 5.62s	remaining: 308ms
948:	learn: 0.5459528	total: 5.62s	remaining: 302ms
949:	learn: 0.5455483	total: 5.63s	remaining: 296ms
950:	learn: 0.5450270	total: 5.63s	remaining: 290ms
951:	learn: 0.5443262	total: 5.64s	remaining: 284ms
952:	learn: 0.5439595	total: 5.64s	remaining: 278ms
953:	learn: 0.5433611	total: 5.65s	remaining: 272ms
954:	learn: 0.5430054	total: 5.66s	remaining: 267ms
955:	learn: 0.5427592	total: 5.66s	remaining: 261ms

956:	learn: 0.5425799	total: 5.67s	remaining: 255ms
957:	learn: 0.5422280	total: 5.67s	remaining: 249ms
958:	learn: 0.5417586	total: 5.68s	remaining: 243ms
959:	learn: 0.5415079	total: 5.68s	remaining: 237ms
960:	learn: 0.5411484	total: 5.69s	remaining: 231ms
961:	learn: 0.5408361	total: 5.7s	remaining: 225ms
962:	learn: 0.5406482	total: 5.7s	remaining: 219ms
963:	learn: 0.5404961	total: 5.71s	remaining: 213ms
964:	learn: 0.5399372	total: 5.71s	remaining: 207ms
965:	learn: 0.5396562	total: 5.72s	remaining: 201ms
966:	learn: 0.5392356	total: 5.72s	remaining: 195ms
967:	learn: 0.5390989	total: 5.73s	remaining: 189ms
968:	learn: 0.5386260	total: 5.73s	remaining: 183ms
969:	learn: 0.5382144	total: 5.74s	remaining: 178ms
970:	learn: 0.5378783	total: 5.74s	remaining: 172ms
971:	learn: 0.5377163	total: 5.75s	remaining: 166ms
972:	learn: 0.5371285	total: 5.75s	remaining: 160ms
973:	learn: 0.5366888	total: 5.76s	remaining: 154ms
974:	learn: 0.5361364	total: 5.77s	remaining: 148ms
975:	learn: 0.5358335	total: 5.77s	remaining: 142ms
976:	learn: 0.5353350	total: 5.77s	remaining: 136ms
977:	learn: 0.5351113	total: 5.78s	remaining: 130ms
978:	learn: 0.5347862	total: 5.78s	remaining: 124ms
979:	learn: 0.5344143	total: 5.79s	remaining: 118ms
980:	learn: 0.5340758	total: 5.79s	remaining: 112ms
981:	learn: 0.5335870	total: 5.8s	remaining: 106ms
982:	learn: 0.5333224	total: 5.8s	remaining: 100ms
983:	learn: 0.5328066	total: 5.81s	remaining: 94.5ms
984:	learn: 0.5324093	total: 5.81s	remaining: 88.5ms
985:	learn: 0.5320486	total: 5.82s	remaining: 82.6ms
986:	learn: 0.5317669	total: 5.82s	remaining: 76.7ms
987:	learn: 0.5314932	total: 5.83s	remaining: 70.8ms
988:	learn: 0.5313156	total: 5.84s	remaining: 64.9ms
989:	learn: 0.5309729	total: 5.84s	remaining: 59ms
990:	learn: 0.5304709	total: 5.85s	remaining: 53.1ms
991:	learn: 0.5303410	total: 5.85s	remaining: 47.2ms
992:	learn: 0.5298248	total: 5.86s	remaining: 41.3ms
993:	learn: 0.5296816	total: 5.87s	remaining: 35.4ms
994:	learn: 0.5293912	total: 5.87s	remaining: 29.5ms
995:	learn: 0.5288965	total: 5.88s	remaining: 23.6ms
996:	learn: 0.5287647	total: 5.88s	remaining: 17.7ms
997:	learn: 0.5281523	total: 5.89s	remaining: 11.8ms
998:	learn: 0.5277273	total: 5.9s	remaining: 5.9ms
999:	learn: 0.5274847	total: 5.9s	remaining: 0us

Learning rate set to 0.06063

0:	learn: 59.0449638	total: 4.95ms	remaining: 4.95s
1:	learn: 55.8614989	total: 11.1ms	remaining: 5.53s
2:	learn: 52.7980482	total: 18.6ms	remaining: 6.19s
3:	learn: 49.9369500	total: 24.5ms	remaining: 6.1s
4:	learn: 47.2908899	total: 33.5ms	remaining: 6.67s
5:	learn: 44.8023608	total: 38.4ms	remaining: 6.36s
6:	learn: 42.3740210	total: 47.3ms	remaining: 6.71s
7:	learn: 40.2166675	total: 52ms	remaining: 6.44s
8:	learn: 38.1257475	total: 59.4ms	remaining: 6.54s
9:	learn: 36.1134431	total: 69.1ms	remaining: 6.84s
10:	learn: 34.2888336	total: 76.2ms	remaining: 6.85s
11:	learn: 32.5314325	total: 84.6ms	remaining: 6.96s
12:	learn: 30.8718643	total: 92.5ms	remaining: 7.02s
13:	learn: 29.3159476	total: 99.9ms	remaining: 7.04s
14:	learn: 27.8063989	total: 108ms	remaining: 7.12s

15:	learn: 26.4182999	total: 113ms	remaining: 6.94s
16:	learn: 25.0605426	total: 120ms	remaining: 6.95s
17:	learn: 23.8123265	total: 127ms	remaining: 6.94s
18:	learn: 22.6189677	total: 135ms	remaining: 6.95s
19:	learn: 21.5520758	total: 141ms	remaining: 6.9s
20:	learn: 20.5107299	total: 148ms	remaining: 6.88s
21:	learn: 19.5490627	total: 155ms	remaining: 6.89s
22:	learn: 18.6496334	total: 161ms	remaining: 6.85s
23:	learn: 17.7563195	total: 168ms	remaining: 6.84s
24:	learn: 16.9316750	total: 176ms	remaining: 6.88s
25:	learn: 16.1234689	total: 184ms	remaining: 6.88s
26:	learn: 15.4091222	total: 192ms	remaining: 6.92s
27:	learn: 14.7146816	total: 195ms	remaining: 6.78s
28:	learn: 14.0697125	total: 198ms	remaining: 6.64s
29:	learn: 13.4532155	total: 204ms	remaining: 6.58s
30:	learn: 12.8937042	total: 208ms	remaining: 6.5s
31:	learn: 12.3256015	total: 215ms	remaining: 6.51s
32:	learn: 11.7925287	total: 221ms	remaining: 6.48s
33:	learn: 11.3110768	total: 225ms	remaining: 6.39s
34:	learn: 10.8525837	total: 230ms	remaining: 6.34s
35:	learn: 10.4221291	total: 236ms	remaining: 6.32s
36:	learn: 10.0145314	total: 240ms	remaining: 6.24s
37:	learn: 9.6392724	total: 247ms	remaining: 6.25s
38:	learn: 9.2567840	total: 252ms	remaining: 6.2s
39:	learn: 8.8890666	total: 256ms	remaining: 6.13s
40:	learn: 8.5732719	total: 262ms	remaining: 6.14s
41:	learn: 8.2784094	total: 267ms	remaining: 6.09s
42:	learn: 7.9946982	total: 271ms	remaining: 6.03s
43:	learn: 7.7106886	total: 279ms	remaining: 6.05s
44:	learn: 7.4389059	total: 284ms	remaining: 6.03s
45:	learn: 7.1918745	total: 288ms	remaining: 5.98s
46:	learn: 6.9569237	total: 294ms	remaining: 5.97s
47:	learn: 6.7347691	total: 302ms	remaining: 5.99s
48:	learn: 6.5368786	total: 309ms	remaining: 6s
49:	learn: 6.3559341	total: 316ms	remaining: 6.01s
50:	learn: 6.1658660	total: 322ms	remaining: 6s
51:	learn: 5.9920748	total: 326ms	remaining: 5.95s
52:	learn: 5.8433019	total: 332ms	remaining: 5.92s
53:	learn: 5.6875418	total: 336ms	remaining: 5.89s
54:	learn: 5.5426573	total: 341ms	remaining: 5.86s
55:	learn: 5.4125146	total: 347ms	remaining: 5.85s
56:	learn: 5.2731711	total: 351ms	remaining: 5.81s
57:	learn: 5.1588455	total: 357ms	remaining: 5.8s
58:	learn: 5.0336955	total: 363ms	remaining: 5.79s
59:	learn: 4.9145991	total: 368ms	remaining: 5.76s
60:	learn: 4.8209403	total: 371ms	remaining: 5.72s
61:	learn: 4.7208051	total: 378ms	remaining: 5.71s
62:	learn: 4.6327148	total: 381ms	remaining: 5.67s
63:	learn: 4.5346768	total: 386ms	remaining: 5.64s
64:	learn: 4.4367329	total: 395ms	remaining: 5.68s
65:	learn: 4.3572278	total: 399ms	remaining: 5.65s
66:	learn: 4.2754138	total: 405ms	remaining: 5.64s
67:	learn: 4.1972672	total: 410ms	remaining: 5.61s
68:	learn: 4.1198120	total: 413ms	remaining: 5.58s
69:	learn: 4.0592220	total: 416ms	remaining: 5.53s
70:	learn: 3.9959676	total: 420ms	remaining: 5.5s
71:	learn: 3.9290689	total: 425ms	remaining: 5.48s
72:	learn: 3.8664744	total: 429ms	remaining: 5.45s
73:	learn: 3.8143554	total: 433ms	remaining: 5.42s
74:	learn: 3.7574616	total: 440ms	remaining: 5.42s

75:	learn: 3.7099357	total: 443ms	remaining: 5.39s
76:	learn: 3.6562756	total: 451ms	remaining: 5.4s
77:	learn: 3.6041159	total: 456ms	remaining: 5.38s
78:	learn: 3.5526135	total: 460ms	remaining: 5.36s
79:	learn: 3.5158007	total: 466ms	remaining: 5.36s
80:	learn: 3.4774892	total: 481ms	remaining: 5.45s
81:	learn: 3.4334812	total: 486ms	remaining: 5.44s
82:	learn: 3.3990396	total: 490ms	remaining: 5.41s
83:	learn: 3.3633530	total: 496ms	remaining: 5.4s
84:	learn: 3.3301014	total: 500ms	remaining: 5.38s
85:	learn: 3.2965329	total: 504ms	remaining: 5.36s
86:	learn: 3.2656824	total: 508ms	remaining: 5.33s
87:	learn: 3.2358767	total: 513ms	remaining: 5.31s
88:	learn: 3.2002649	total: 520ms	remaining: 5.32s
89:	learn: 3.1688705	total: 524ms	remaining: 5.29s
90:	learn: 3.1411285	total: 528ms	remaining: 5.27s
91:	learn: 3.1202180	total: 534ms	remaining: 5.27s
92:	learn: 3.0882249	total: 537ms	remaining: 5.24s
93:	learn: 3.0667493	total: 541ms	remaining: 5.22s
94:	learn: 3.0485381	total: 545ms	remaining: 5.19s
95:	learn: 3.0302387	total: 551ms	remaining: 5.18s
96:	learn: 3.0054904	total: 554ms	remaining: 5.16s
97:	learn: 2.9818431	total: 558ms	remaining: 5.14s
98:	learn: 2.9648334	total: 566ms	remaining: 5.15s
99:	learn: 2.9432380	total: 569ms	remaining: 5.12s
100:	learn: 2.9223240	total: 573ms	remaining: 5.1s
101:	learn: 2.9005857	total: 580ms	remaining: 5.11s
102:	learn: 2.8860897	total: 583ms	remaining: 5.08s
103:	learn: 2.8601717	total: 587ms	remaining: 5.06s
104:	learn: 2.8408766	total: 593ms	remaining: 5.05s
105:	learn: 2.8227560	total: 599ms	remaining: 5.05s
106:	learn: 2.8078352	total: 604ms	remaining: 5.04s
107:	learn: 2.7889886	total: 611ms	remaining: 5.04s
108:	learn: 2.7619249	total: 614ms	remaining: 5.02s
109:	learn: 2.7484750	total: 617ms	remaining: 4.99s
110:	learn: 2.7253931	total: 620ms	remaining: 4.96s
111:	learn: 2.7098050	total: 623ms	remaining: 4.94s
112:	learn: 2.6873481	total: 628ms	remaining: 4.93s
113:	learn: 2.6674088	total: 632ms	remaining: 4.91s
114:	learn: 2.6541776	total: 636ms	remaining: 4.89s
115:	learn: 2.6417183	total: 642ms	remaining: 4.89s
116:	learn: 2.6240968	total: 647ms	remaining: 4.88s
117:	learn: 2.6059076	total: 654ms	remaining: 4.89s
118:	learn: 2.5867276	total: 660ms	remaining: 4.88s
119:	learn: 2.5671308	total: 666ms	remaining: 4.88s
120:	learn: 2.5533812	total: 673ms	remaining: 4.89s
121:	learn: 2.5369553	total: 676ms	remaining: 4.87s
122:	learn: 2.5203894	total: 681ms	remaining: 4.86s
123:	learn: 2.4994110	total: 685ms	remaining: 4.84s
124:	learn: 2.4810367	total: 690ms	remaining: 4.83s
125:	learn: 2.4647236	total: 694ms	remaining: 4.81s
126:	learn: 2.4514344	total: 699ms	remaining: 4.81s
127:	learn: 2.4354153	total: 705ms	remaining: 4.8s
128:	learn: 2.4184617	total: 709ms	remaining: 4.79s
129:	learn: 2.4063033	total: 714ms	remaining: 4.78s
130:	learn: 2.3922749	total: 721ms	remaining: 4.78s
131:	learn: 2.3824408	total: 724ms	remaining: 4.76s
132:	learn: 2.3706070	total: 729ms	remaining: 4.75s
133:	learn: 2.3563818	total: 735ms	remaining: 4.75s
134:	learn: 2.3427873	total: 739ms	remaining: 4.73s

135:	learn: 2.3315861	total: 743ms	remaining: 4.72s
136:	learn: 2.3198189	total: 748ms	remaining: 4.71s
137:	learn: 2.3057484	total: 754ms	remaining: 4.71s
138:	learn: 2.2869111	total: 758ms	remaining: 4.69s
139:	learn: 2.2724356	total: 765ms	remaining: 4.7s
140:	learn: 2.2587541	total: 769ms	remaining: 4.68s
141:	learn: 2.2425819	total: 773ms	remaining: 4.67s
142:	learn: 2.2313161	total: 780ms	remaining: 4.68s
143:	learn: 2.2177034	total: 785ms	remaining: 4.67s
144:	learn: 2.2082893	total: 789ms	remaining: 4.65s
145:	learn: 2.1991247	total: 795ms	remaining: 4.65s
146:	learn: 2.1854392	total: 802ms	remaining: 4.66s
147:	learn: 2.1669150	total: 807ms	remaining: 4.64s
148:	learn: 2.1584721	total: 814ms	remaining: 4.65s
149:	learn: 2.1520110	total: 817ms	remaining: 4.63s
150:	learn: 2.1411600	total: 821ms	remaining: 4.61s
151:	learn: 2.1280178	total: 824ms	remaining: 4.6s
152:	learn: 2.1172561	total: 828ms	remaining: 4.58s
153:	learn: 2.1084883	total: 833ms	remaining: 4.58s
154:	learn: 2.0979106	total: 836ms	remaining: 4.56s
155:	learn: 2.0845640	total: 842ms	remaining: 4.55s
156:	learn: 2.0674094	total: 848ms	remaining: 4.55s
157:	learn: 2.0602654	total: 851ms	remaining: 4.54s
158:	learn: 2.0494056	total: 855ms	remaining: 4.52s
159:	learn: 2.0376749	total: 858ms	remaining: 4.51s
160:	learn: 2.0261067	total: 866ms	remaining: 4.51s
161:	learn: 2.0145923	total: 873ms	remaining: 4.51s
162:	learn: 2.0076833	total: 880ms	remaining: 4.52s
163:	learn: 1.9953812	total: 886ms	remaining: 4.52s
164:	learn: 1.9871216	total: 894ms	remaining: 4.53s
165:	learn: 1.9724267	total: 902ms	remaining: 4.53s
166:	learn: 1.9644014	total: 910ms	remaining: 4.54s
167:	learn: 1.9527092	total: 917ms	remaining: 4.54s
168:	learn: 1.9440649	total: 926ms	remaining: 4.55s
169:	learn: 1.9311681	total: 933ms	remaining: 4.55s
170:	learn: 1.9222550	total: 937ms	remaining: 4.54s
171:	learn: 1.9151553	total: 944ms	remaining: 4.54s
172:	learn: 1.9047339	total: 948ms	remaining: 4.53s
173:	learn: 1.8986644	total: 954ms	remaining: 4.53s
174:	learn: 1.8844253	total: 959ms	remaining: 4.52s
175:	learn: 1.8771615	total: 963ms	remaining: 4.51s
176:	learn: 1.8688539	total: 972ms	remaining: 4.52s
177:	learn: 1.8615178	total: 976ms	remaining: 4.5s
178:	learn: 1.8492895	total: 980ms	remaining: 4.49s
179:	learn: 1.8384960	total: 986ms	remaining: 4.49s
180:	learn: 1.8311520	total: 989ms	remaining: 4.48s
181:	learn: 1.8239093	total: 993ms	remaining: 4.46s
182:	learn: 1.8134163	total: 996ms	remaining: 4.45s
183:	learn: 1.8027665	total: 1000ms	remaining: 4.43s
184:	learn: 1.7973423	total: 1s	remaining: 4.43s
185:	learn: 1.7858288	total: 1.01s	remaining: 4.42s
186:	learn: 1.7794204	total: 1.01s	remaining: 4.41s
187:	learn: 1.7723415	total: 1.02s	remaining: 4.41s
188:	learn: 1.7672758	total: 1.02s	remaining: 4.4s
189:	learn: 1.7587420	total: 1.03s	remaining: 4.39s
190:	learn: 1.7526205	total: 1.04s	remaining: 4.39s
191:	learn: 1.7447382	total: 1.04s	remaining: 4.38s
192:	learn: 1.7337295	total: 1.04s	remaining: 4.37s
193:	learn: 1.7254278	total: 1.05s	remaining: 4.37s
194:	learn: 1.7169178	total: 1.06s	remaining: 4.36s

195:	learn: 1.7117589	total: 1.06s	remaining: 4.36s
196:	learn: 1.7037884	total: 1.07s	remaining: 4.35s
197:	learn: 1.6997088	total: 1.07s	remaining: 4.34s
198:	learn: 1.6880745	total: 1.08s	remaining: 4.35s
199:	learn: 1.6820663	total: 1.09s	remaining: 4.34s
200:	learn: 1.6741577	total: 1.09s	remaining: 4.35s
201:	learn: 1.6691916	total: 1.1s	remaining: 4.34s
202:	learn: 1.6606978	total: 1.11s	remaining: 4.35s
203:	learn: 1.6529302	total: 1.11s	remaining: 4.35s
204:	learn: 1.6485542	total: 1.12s	remaining: 4.34s
205:	learn: 1.6454987	total: 1.13s	remaining: 4.35s
206:	learn: 1.6351005	total: 1.13s	remaining: 4.33s
207:	learn: 1.6273339	total: 1.14s	remaining: 4.33s
208:	learn: 1.6221795	total: 1.15s	remaining: 4.34s
209:	learn: 1.6161161	total: 1.15s	remaining: 4.33s
210:	learn: 1.6121284	total: 1.16s	remaining: 4.34s
211:	learn: 1.6059812	total: 1.17s	remaining: 4.34s
212:	learn: 1.6023457	total: 1.18s	remaining: 4.35s
213:	learn: 1.5973552	total: 1.18s	remaining: 4.35s
214:	learn: 1.5888201	total: 1.19s	remaining: 4.35s
215:	learn: 1.5816733	total: 1.19s	remaining: 4.33s
216:	learn: 1.5739478	total: 1.2s	remaining: 4.32s
217:	learn: 1.5656948	total: 1.2s	remaining: 4.31s
218:	learn: 1.5575456	total: 1.21s	remaining: 4.32s
219:	learn: 1.5500519	total: 1.22s	remaining: 4.32s
220:	learn: 1.5448701	total: 1.23s	remaining: 4.33s
221:	learn: 1.5388469	total: 1.24s	remaining: 4.33s
222:	learn: 1.5312418	total: 1.24s	remaining: 4.32s
223:	learn: 1.5280095	total: 1.25s	remaining: 4.32s
224:	learn: 1.5213617	total: 1.25s	remaining: 4.32s
225:	learn: 1.5145212	total: 1.26s	remaining: 4.32s
226:	learn: 1.5068924	total: 1.27s	remaining: 4.33s
227:	learn: 1.5036495	total: 1.28s	remaining: 4.32s
228:	learn: 1.4971632	total: 1.28s	remaining: 4.32s
229:	learn: 1.4911154	total: 1.29s	remaining: 4.32s
230:	learn: 1.4847649	total: 1.3s	remaining: 4.33s
231:	learn: 1.4798064	total: 1.31s	remaining: 4.33s
232:	learn: 1.4757960	total: 1.31s	remaining: 4.32s
233:	learn: 1.4699912	total: 1.32s	remaining: 4.32s
234:	learn: 1.4669792	total: 1.33s	remaining: 4.32s
235:	learn: 1.4618419	total: 1.34s	remaining: 4.33s
236:	learn: 1.4569867	total: 1.34s	remaining: 4.32s
237:	learn: 1.4499749	total: 1.35s	remaining: 4.33s
238:	learn: 1.4426642	total: 1.36s	remaining: 4.33s
239:	learn: 1.4380641	total: 1.37s	remaining: 4.33s
240:	learn: 1.4338572	total: 1.37s	remaining: 4.33s
241:	learn: 1.4288290	total: 1.39s	remaining: 4.36s
242:	learn: 1.4253073	total: 1.4s	remaining: 4.35s
243:	learn: 1.4203299	total: 1.4s	remaining: 4.34s
244:	learn: 1.4157733	total: 1.4s	remaining: 4.33s
245:	learn: 1.4118639	total: 1.41s	remaining: 4.32s
246:	learn: 1.4096742	total: 1.41s	remaining: 4.31s
247:	learn: 1.4045724	total: 1.42s	remaining: 4.3s
248:	learn: 1.3998100	total: 1.43s	remaining: 4.3s
249:	learn: 1.3959758	total: 1.43s	remaining: 4.29s
250:	learn: 1.3915566	total: 1.44s	remaining: 4.29s
251:	learn: 1.3884021	total: 1.44s	remaining: 4.29s
252:	learn: 1.3830610	total: 1.45s	remaining: 4.28s
253:	learn: 1.3812261	total: 1.46s	remaining: 4.27s
254:	learn: 1.3756916	total: 1.46s	remaining: 4.27s

255:	learn: 1.3708257	total: 1.47s	remaining: 4.27s
256:	learn: 1.3674907	total: 1.48s	remaining: 4.28s
257:	learn: 1.3609764	total: 1.48s	remaining: 4.27s
258:	learn: 1.3560036	total: 1.49s	remaining: 4.27s
259:	learn: 1.3541068	total: 1.5s	remaining: 4.26s
260:	learn: 1.3493729	total: 1.5s	remaining: 4.25s
261:	learn: 1.3441806	total: 1.51s	remaining: 4.25s
262:	learn: 1.3402825	total: 1.51s	remaining: 4.24s
263:	learn: 1.3356098	total: 1.52s	remaining: 4.24s
264:	learn: 1.3316343	total: 1.53s	remaining: 4.24s
265:	learn: 1.3284032	total: 1.53s	remaining: 4.23s
266:	learn: 1.3246278	total: 1.54s	remaining: 4.23s
267:	learn: 1.3200983	total: 1.55s	remaining: 4.22s
268:	learn: 1.3139870	total: 1.55s	remaining: 4.22s
269:	learn: 1.3108043	total: 1.56s	remaining: 4.22s
270:	learn: 1.3074786	total: 1.57s	remaining: 4.22s
271:	learn: 1.3042331	total: 1.57s	remaining: 4.21s
272:	learn: 1.2981558	total: 1.58s	remaining: 4.21s
273:	learn: 1.2956604	total: 1.59s	remaining: 4.21s
274:	learn: 1.2932538	total: 1.59s	remaining: 4.2s
275:	learn: 1.2912831	total: 1.6s	remaining: 4.2s
276:	learn: 1.2871932	total: 1.6s	remaining: 4.19s
277:	learn: 1.2825129	total: 1.61s	remaining: 4.18s
278:	learn: 1.2788261	total: 1.64s	remaining: 4.23s
279:	learn: 1.2764098	total: 1.64s	remaining: 4.23s
280:	learn: 1.2727315	total: 1.65s	remaining: 4.22s
281:	learn: 1.2688497	total: 1.65s	remaining: 4.21s
282:	learn: 1.2660038	total: 1.66s	remaining: 4.2s
283:	learn: 1.2605714	total: 1.66s	remaining: 4.18s
284:	learn: 1.2549423	total: 1.67s	remaining: 4.18s
285:	learn: 1.2505471	total: 1.67s	remaining: 4.17s
286:	learn: 1.2457531	total: 1.67s	remaining: 4.16s
287:	learn: 1.2421328	total: 1.68s	remaining: 4.16s
288:	learn: 1.2381123	total: 1.69s	remaining: 4.15s
289:	learn: 1.2355037	total: 1.7s	remaining: 4.15s
290:	learn: 1.2315032	total: 1.7s	remaining: 4.14s
291:	learn: 1.2282752	total: 1.71s	remaining: 4.14s
292:	learn: 1.2235702	total: 1.72s	remaining: 4.14s
293:	learn: 1.2209909	total: 1.72s	remaining: 4.14s
294:	learn: 1.2163830	total: 1.73s	remaining: 4.14s
295:	learn: 1.2123250	total: 1.74s	remaining: 4.13s
296:	learn: 1.2080351	total: 1.74s	remaining: 4.13s
297:	learn: 1.2048489	total: 1.75s	remaining: 4.12s
298:	learn: 1.2015999	total: 1.75s	remaining: 4.11s
299:	learn: 1.1994032	total: 1.76s	remaining: 4.11s
300:	learn: 1.1947729	total: 1.76s	remaining: 4.1s
301:	learn: 1.1927429	total: 1.77s	remaining: 4.09s
302:	learn: 1.1902508	total: 1.78s	remaining: 4.09s
303:	learn: 1.1881936	total: 1.78s	remaining: 4.08s
304:	learn: 1.1853457	total: 1.79s	remaining: 4.08s
305:	learn: 1.1820169	total: 1.79s	remaining: 4.07s
306:	learn: 1.1779956	total: 1.8s	remaining: 4.07s
307:	learn: 1.1750713	total: 1.81s	remaining: 4.06s
308:	learn: 1.1734583	total: 1.81s	remaining: 4.05s
309:	learn: 1.1693299	total: 1.81s	remaining: 4.04s
310:	learn: 1.1660640	total: 1.82s	remaining: 4.03s
311:	learn: 1.1638684	total: 1.82s	remaining: 4.02s
312:	learn: 1.1615805	total: 1.83s	remaining: 4.01s
313:	learn: 1.1577812	total: 1.84s	remaining: 4.01s
314:	learn: 1.1550548	total: 1.84s	remaining: 4s

315:	learn: 1.1525316	total: 1.84s	remaining: 3.99s
316:	learn: 1.1504428	total: 1.85s	remaining: 3.99s
317:	learn: 1.1466793	total: 1.86s	remaining: 3.98s
318:	learn: 1.1437000	total: 1.86s	remaining: 3.98s
319:	learn: 1.1400425	total: 1.87s	remaining: 3.97s
320:	learn: 1.1381689	total: 1.88s	remaining: 3.97s
321:	learn: 1.1354904	total: 1.88s	remaining: 3.97s
322:	learn: 1.1331864	total: 1.89s	remaining: 3.96s
323:	learn: 1.1297979	total: 1.9s	remaining: 3.96s
324:	learn: 1.1269062	total: 1.91s	remaining: 3.96s
325:	learn: 1.1236792	total: 1.91s	remaining: 3.96s
326:	learn: 1.1211547	total: 1.92s	remaining: 3.95s
327:	learn: 1.1184646	total: 1.93s	remaining: 3.95s
328:	learn: 1.1148791	total: 1.93s	remaining: 3.94s
329:	learn: 1.1133752	total: 1.94s	remaining: 3.94s
330:	learn: 1.1107732	total: 1.95s	remaining: 3.93s
331:	learn: 1.1078591	total: 1.95s	remaining: 3.92s
332:	learn: 1.1057560	total: 1.96s	remaining: 3.92s
333:	learn: 1.1032674	total: 1.97s	remaining: 3.92s
334:	learn: 1.1003922	total: 1.97s	remaining: 3.92s
335:	learn: 1.0969815	total: 1.98s	remaining: 3.91s
336:	learn: 1.0947166	total: 1.99s	remaining: 3.91s
337:	learn: 1.0926761	total: 2s	remaining: 3.91s
338:	learn: 1.0913520	total: 2s	remaining: 3.91s
339:	learn: 1.0899210	total: 2.01s	remaining: 3.9s
340:	learn: 1.0873600	total: 2.01s	remaining: 3.89s
341:	learn: 1.0849080	total: 2.02s	remaining: 3.88s
342:	learn: 1.0821530	total: 2.02s	remaining: 3.87s
343:	learn: 1.0802314	total: 2.03s	remaining: 3.87s
344:	learn: 1.0789448	total: 2.03s	remaining: 3.86s
345:	learn: 1.0751238	total: 2.04s	remaining: 3.85s
346:	learn: 1.0727046	total: 2.04s	remaining: 3.84s
347:	learn: 1.0694970	total: 2.05s	remaining: 3.84s
348:	learn: 1.0681337	total: 2.05s	remaining: 3.83s
349:	learn: 1.0654420	total: 2.06s	remaining: 3.83s
350:	learn: 1.0638712	total: 2.07s	remaining: 3.82s
351:	learn: 1.0624771	total: 2.07s	remaining: 3.82s
352:	learn: 1.0593641	total: 2.08s	remaining: 3.81s
353:	learn: 1.0579672	total: 2.09s	remaining: 3.81s
354:	learn: 1.0560658	total: 2.09s	remaining: 3.81s
355:	learn: 1.0547495	total: 2.1s	remaining: 3.8s
356:	learn: 1.0532751	total: 2.11s	remaining: 3.8s
357:	learn: 1.0513973	total: 2.12s	remaining: 3.79s
358:	learn: 1.0504060	total: 2.12s	remaining: 3.79s
359:	learn: 1.0480967	total: 2.13s	remaining: 3.78s
360:	learn: 1.0454959	total: 2.13s	remaining: 3.78s
361:	learn: 1.0445578	total: 2.14s	remaining: 3.77s
362:	learn: 1.0423558	total: 2.14s	remaining: 3.76s
363:	learn: 1.0408023	total: 2.15s	remaining: 3.76s
364:	learn: 1.0387466	total: 2.16s	remaining: 3.76s
365:	learn: 1.0374499	total: 2.17s	remaining: 3.76s
366:	learn: 1.0356782	total: 2.17s	remaining: 3.75s
367:	learn: 1.0323538	total: 2.18s	remaining: 3.75s
368:	learn: 1.0292421	total: 2.19s	remaining: 3.74s
369:	learn: 1.0282541	total: 2.2s	remaining: 3.75s
370:	learn: 1.0248753	total: 2.21s	remaining: 3.74s
371:	learn: 1.0234022	total: 2.21s	remaining: 3.74s
372:	learn: 1.0209480	total: 2.22s	remaining: 3.73s
373:	learn: 1.0177020	total: 2.22s	remaining: 3.72s
374:	learn: 1.0158336	total: 2.23s	remaining: 3.71s

375:	learn: 1.0139457	total: 2.23s	remaining: 3.7s
376:	learn: 1.0119715	total: 2.23s	remaining: 3.69s
377:	learn: 1.0097591	total: 2.24s	remaining: 3.69s
378:	learn: 1.0076299	total: 2.25s	remaining: 3.68s
379:	learn: 1.0065719	total: 2.25s	remaining: 3.67s
380:	learn: 1.0045940	total: 2.26s	remaining: 3.67s
381:	learn: 1.0018879	total: 2.26s	remaining: 3.66s
382:	learn: 1.0005986	total: 2.27s	remaining: 3.65s
383:	learn: 0.9985757	total: 2.28s	remaining: 3.65s
384:	learn: 0.9972149	total: 2.28s	remaining: 3.64s
385:	learn: 0.9941972	total: 2.29s	remaining: 3.64s
386:	learn: 0.9914999	total: 2.29s	remaining: 3.63s
387:	learn: 0.9892565	total: 2.3s	remaining: 3.63s
388:	learn: 0.9865163	total: 2.31s	remaining: 3.63s
389:	learn: 0.9827731	total: 2.32s	remaining: 3.63s
390:	learn: 0.9801619	total: 2.33s	remaining: 3.63s
391:	learn: 0.9792171	total: 2.33s	remaining: 3.62s
392:	learn: 0.9762842	total: 2.34s	remaining: 3.61s
393:	learn: 0.9749325	total: 2.35s	remaining: 3.61s
394:	learn: 0.9731516	total: 2.35s	remaining: 3.61s
395:	learn: 0.9720498	total: 2.36s	remaining: 3.6s
396:	learn: 0.9693225	total: 2.37s	remaining: 3.6s
397:	learn: 0.9675642	total: 2.38s	remaining: 3.59s
398:	learn: 0.9652325	total: 2.38s	remaining: 3.59s
399:	learn: 0.9636879	total: 2.39s	remaining: 3.58s
400:	learn: 0.9619031	total: 2.39s	remaining: 3.57s
401:	learn: 0.9600810	total: 2.39s	remaining: 3.56s
402:	learn: 0.9579540	total: 2.4s	remaining: 3.56s
403:	learn: 0.9561988	total: 2.4s	remaining: 3.55s
404:	learn: 0.9527253	total: 2.41s	remaining: 3.54s
405:	learn: 0.9505010	total: 2.42s	remaining: 3.54s
406:	learn: 0.9493797	total: 2.42s	remaining: 3.53s
407:	learn: 0.9474394	total: 2.43s	remaining: 3.53s
408:	learn: 0.9447484	total: 2.44s	remaining: 3.52s
409:	learn: 0.9433157	total: 2.45s	remaining: 3.52s
410:	learn: 0.9418504	total: 2.45s	remaining: 3.51s
411:	learn: 0.9391080	total: 2.46s	remaining: 3.51s
412:	learn: 0.9382461	total: 2.46s	remaining: 3.5s
413:	learn: 0.9362956	total: 2.47s	remaining: 3.5s
414:	learn: 0.9347027	total: 2.48s	remaining: 3.5s
415:	learn: 0.9330122	total: 2.49s	remaining: 3.49s
416:	learn: 0.9320912	total: 2.5s	remaining: 3.49s
417:	learn: 0.9302976	total: 2.5s	remaining: 3.48s
418:	learn: 0.9289462	total: 2.51s	remaining: 3.48s
419:	learn: 0.9270319	total: 2.52s	remaining: 3.47s
420:	learn: 0.9242500	total: 2.52s	remaining: 3.47s
421:	learn: 0.9226898	total: 2.53s	remaining: 3.46s
422:	learn: 0.9206106	total: 2.53s	remaining: 3.46s
423:	learn: 0.9192430	total: 2.54s	remaining: 3.45s
424:	learn: 0.9171095	total: 2.55s	remaining: 3.45s
425:	learn: 0.9162241	total: 2.56s	remaining: 3.45s
426:	learn: 0.9137635	total: 2.57s	remaining: 3.44s
427:	learn: 0.9126189	total: 2.58s	remaining: 3.44s
428:	learn: 0.9114668	total: 2.58s	remaining: 3.44s
429:	learn: 0.9089308	total: 2.59s	remaining: 3.43s
430:	learn: 0.9066104	total: 2.59s	remaining: 3.42s
431:	learn: 0.9047230	total: 2.6s	remaining: 3.42s
432:	learn: 0.9034493	total: 2.6s	remaining: 3.41s
433:	learn: 0.9015399	total: 2.61s	remaining: 3.4s
434:	learn: 0.8998280	total: 2.61s	remaining: 3.39s

435:	learn: 0.8989957	total: 2.62s	remaining: 3.39s
436:	learn: 0.8975676	total: 2.63s	remaining: 3.38s
437:	learn: 0.8963797	total: 2.63s	remaining: 3.38s
438:	learn: 0.8953894	total: 2.64s	remaining: 3.37s
439:	learn: 0.8936181	total: 2.64s	remaining: 3.37s
440:	learn: 0.8915820	total: 2.65s	remaining: 3.36s
441:	learn: 0.8905277	total: 2.66s	remaining: 3.36s
442:	learn: 0.8887003	total: 2.67s	remaining: 3.35s
443:	learn: 0.8865655	total: 2.67s	remaining: 3.35s
444:	learn: 0.8846169	total: 2.68s	remaining: 3.34s
445:	learn: 0.8835240	total: 2.69s	remaining: 3.34s
446:	learn: 0.8810049	total: 2.69s	remaining: 3.33s
447:	learn: 0.8800846	total: 2.7s	remaining: 3.33s
448:	learn: 0.8779214	total: 2.71s	remaining: 3.32s
449:	learn: 0.8764974	total: 2.71s	remaining: 3.31s
450:	learn: 0.8751537	total: 2.72s	remaining: 3.31s
451:	learn: 0.8730434	total: 2.73s	remaining: 3.3s
452:	learn: 0.8711039	total: 2.73s	remaining: 3.3s
453:	learn: 0.8692487	total: 2.74s	remaining: 3.29s
454:	learn: 0.8678423	total: 2.75s	remaining: 3.29s
455:	learn: 0.8656502	total: 2.75s	remaining: 3.28s
456:	learn: 0.8628846	total: 2.76s	remaining: 3.28s
457:	learn: 0.8617796	total: 2.77s	remaining: 3.27s
458:	learn: 0.8602857	total: 2.77s	remaining: 3.27s
459:	learn: 0.8586115	total: 2.78s	remaining: 3.26s
460:	learn: 0.8573821	total: 2.78s	remaining: 3.25s
461:	learn: 0.8565536	total: 2.78s	remaining: 3.24s
462:	learn: 0.8552768	total: 2.79s	remaining: 3.23s
463:	learn: 0.8534507	total: 2.8s	remaining: 3.23s
464:	learn: 0.8518549	total: 2.8s	remaining: 3.22s
465:	learn: 0.8507106	total: 2.8s	remaining: 3.21s
466:	learn: 0.8489867	total: 2.81s	remaining: 3.21s
467:	learn: 0.8470311	total: 2.82s	remaining: 3.21s
468:	learn: 0.8462458	total: 2.83s	remaining: 3.2s
469:	learn: 0.8447736	total: 2.83s	remaining: 3.19s
470:	learn: 0.8431166	total: 2.84s	remaining: 3.19s
471:	learn: 0.8414255	total: 2.85s	remaining: 3.18s
472:	learn: 0.8402226	total: 2.85s	remaining: 3.18s
473:	learn: 0.8389610	total: 2.86s	remaining: 3.17s
474:	learn: 0.8382090	total: 2.87s	remaining: 3.17s
475:	learn: 0.8369177	total: 2.88s	remaining: 3.17s
476:	learn: 0.8355283	total: 2.88s	remaining: 3.16s
477:	learn: 0.8345191	total: 2.89s	remaining: 3.16s
478:	learn: 0.8332243	total: 2.89s	remaining: 3.15s
479:	learn: 0.8314480	total: 2.9s	remaining: 3.14s
480:	learn: 0.8296918	total: 2.91s	remaining: 3.14s
481:	learn: 0.8285408	total: 2.91s	remaining: 3.13s
482:	learn: 0.8268443	total: 2.92s	remaining: 3.13s
483:	learn: 0.8248840	total: 2.93s	remaining: 3.12s
484:	learn: 0.8235652	total: 2.94s	remaining: 3.12s
485:	learn: 0.8222079	total: 2.94s	remaining: 3.11s
486:	learn: 0.8213506	total: 2.95s	remaining: 3.1s
487:	learn: 0.8206171	total: 2.96s	remaining: 3.1s
488:	learn: 0.8192902	total: 2.96s	remaining: 3.1s
489:	learn: 0.8185773	total: 2.97s	remaining: 3.09s
490:	learn: 0.8171901	total: 2.98s	remaining: 3.09s
491:	learn: 0.8158494	total: 2.98s	remaining: 3.08s
492:	learn: 0.8148677	total: 2.99s	remaining: 3.07s
493:	learn: 0.8140070	total: 2.99s	remaining: 3.06s
494:	learn: 0.8127567	total: 3s	remaining: 3.06s

495:	learn: 0.8114646	total: 3s	remaining: 3.05s
496:	learn: 0.8103194	total: 3.01s	remaining: 3.04s
497:	learn: 0.8088366	total: 3.01s	remaining: 3.04s
498:	learn: 0.8079832	total: 3.02s	remaining: 3.03s
499:	learn: 0.8066914	total: 3.02s	remaining: 3.02s
500:	learn: 0.8049207	total: 3.03s	remaining: 3.02s
501:	learn: 0.8038938	total: 3.04s	remaining: 3.02s
502:	learn: 0.8029293	total: 3.05s	remaining: 3.01s
503:	learn: 0.8020643	total: 3.05s	remaining: 3s
504:	learn: 0.8004997	total: 3.06s	remaining: 3s
505:	learn: 0.7990519	total: 3.07s	remaining: 3s
506:	learn: 0.7975424	total: 3.08s	remaining: 2.99s
507:	learn: 0.7964195	total: 3.09s	remaining: 2.99s
508:	learn: 0.7956738	total: 3.09s	remaining: 2.98s
509:	learn: 0.7942007	total: 3.1s	remaining: 2.98s
510:	learn: 0.7919757	total: 3.1s	remaining: 2.97s
511:	learn: 0.7913647	total: 3.11s	remaining: 2.97s
512:	learn: 0.7904768	total: 3.12s	remaining: 2.96s
513:	learn: 0.7893309	total: 3.13s	remaining: 2.96s
514:	learn: 0.7886538	total: 3.13s	remaining: 2.95s
515:	learn: 0.7876009	total: 3.13s	remaining: 2.94s
516:	learn: 0.7868793	total: 3.14s	remaining: 2.94s
517:	learn: 0.7860644	total: 3.15s	remaining: 2.93s
518:	learn: 0.7849486	total: 3.16s	remaining: 2.93s
519:	learn: 0.7843967	total: 3.17s	remaining: 2.92s
520:	learn: 0.7836933	total: 3.18s	remaining: 2.92s
521:	learn: 0.7829915	total: 3.19s	remaining: 2.92s
522:	learn: 0.7825057	total: 3.19s	remaining: 2.91s
523:	learn: 0.7815223	total: 3.19s	remaining: 2.9s
524:	learn: 0.7810301	total: 3.2s	remaining: 2.89s
525:	learn: 0.7799038	total: 3.2s	remaining: 2.89s
526:	learn: 0.7787665	total: 3.21s	remaining: 2.88s
527:	learn: 0.7773596	total: 3.21s	remaining: 2.87s
528:	learn: 0.7765834	total: 3.22s	remaining: 2.87s
529:	learn: 0.7754198	total: 3.22s	remaining: 2.86s
530:	learn: 0.7742577	total: 3.23s	remaining: 2.85s
531:	learn: 0.7729556	total: 3.24s	remaining: 2.85s
532:	learn: 0.7717188	total: 3.25s	remaining: 2.84s
533:	learn: 0.7704047	total: 3.25s	remaining: 2.84s
534:	learn: 0.7690586	total: 3.26s	remaining: 2.83s
535:	learn: 0.7678913	total: 3.27s	remaining: 2.83s
536:	learn: 0.7669766	total: 3.28s	remaining: 2.83s
537:	learn: 0.7663933	total: 3.28s	remaining: 2.82s
538:	learn: 0.7656311	total: 3.29s	remaining: 2.81s
539:	learn: 0.7644591	total: 3.3s	remaining: 2.81s
540:	learn: 0.7640215	total: 3.3s	remaining: 2.8s
541:	learn: 0.7625899	total: 3.31s	remaining: 2.79s
542:	learn: 0.7614630	total: 3.32s	remaining: 2.79s
543:	learn: 0.7602770	total: 3.32s	remaining: 2.79s
544:	learn: 0.7592023	total: 3.33s	remaining: 2.78s
545:	learn: 0.7581781	total: 3.34s	remaining: 2.78s
546:	learn: 0.7573757	total: 3.35s	remaining: 2.77s
547:	learn: 0.7565566	total: 3.35s	remaining: 2.77s
548:	learn: 0.7562754	total: 3.36s	remaining: 2.76s
549:	learn: 0.7557262	total: 3.37s	remaining: 2.75s
550:	learn: 0.7548011	total: 3.37s	remaining: 2.75s
551:	learn: 0.7537466	total: 3.38s	remaining: 2.75s
552:	learn: 0.7529025	total: 3.39s	remaining: 2.74s
553:	learn: 0.7519708	total: 3.4s	remaining: 2.73s
554:	learn: 0.7506039	total: 3.4s	remaining: 2.73s

555:	learn: 0.7497333	total: 3.4s	remaining: 2.72s
556:	learn: 0.7490540	total: 3.41s	remaining: 2.71s
557:	learn: 0.7484506	total: 3.41s	remaining: 2.7s
558:	learn: 0.7471825	total: 3.42s	remaining: 2.7s
559:	learn: 0.7457056	total: 3.43s	remaining: 2.69s
560:	learn: 0.7450474	total: 3.43s	remaining: 2.69s
561:	learn: 0.7440262	total: 3.44s	remaining: 2.68s
562:	learn: 0.7431612	total: 3.45s	remaining: 2.67s
563:	learn: 0.7420152	total: 3.45s	remaining: 2.67s
564:	learn: 0.7413658	total: 3.46s	remaining: 2.66s
565:	learn: 0.7406252	total: 3.46s	remaining: 2.66s
566:	learn: 0.7399569	total: 3.47s	remaining: 2.65s
567:	learn: 0.7385871	total: 3.48s	remaining: 2.65s
568:	learn: 0.7378097	total: 3.49s	remaining: 2.64s
569:	learn: 0.7374192	total: 3.5s	remaining: 2.64s
570:	learn: 0.7367824	total: 3.5s	remaining: 2.63s
571:	learn: 0.7359473	total: 3.51s	remaining: 2.63s
572:	learn: 0.7347070	total: 3.52s	remaining: 2.62s
573:	learn: 0.7340769	total: 3.53s	remaining: 2.62s
574:	learn: 0.7336482	total: 3.54s	remaining: 2.61s
575:	learn: 0.7329661	total: 3.54s	remaining: 2.61s
576:	learn: 0.7320979	total: 3.55s	remaining: 2.6s
577:	learn: 0.7314219	total: 3.56s	remaining: 2.6s
578:	learn: 0.7309883	total: 3.56s	remaining: 2.59s
579:	learn: 0.7302576	total: 3.57s	remaining: 2.59s
580:	learn: 0.7297370	total: 3.58s	remaining: 2.58s
581:	learn: 0.7290847	total: 3.59s	remaining: 2.58s
582:	learn: 0.7281851	total: 3.6s	remaining: 2.57s
583:	learn: 0.7278154	total: 3.6s	remaining: 2.56s
584:	learn: 0.7269484	total: 3.6s	remaining: 2.56s
585:	learn: 0.7263824	total: 3.61s	remaining: 2.55s
586:	learn: 0.7253295	total: 3.61s	remaining: 2.54s
587:	learn: 0.7245918	total: 3.62s	remaining: 2.53s
588:	learn: 0.7239663	total: 3.62s	remaining: 2.53s
589:	learn: 0.7231160	total: 3.63s	remaining: 2.52s
590:	learn: 0.7223158	total: 3.64s	remaining: 2.52s
591:	learn: 0.7217635	total: 3.65s	remaining: 2.51s
592:	learn: 0.7209099	total: 3.65s	remaining: 2.5s
593:	learn: 0.7196326	total: 3.66s	remaining: 2.5s
594:	learn: 0.7192258	total: 3.66s	remaining: 2.49s
595:	learn: 0.7181825	total: 3.67s	remaining: 2.49s
596:	learn: 0.7174295	total: 3.68s	remaining: 2.48s
597:	learn: 0.7166488	total: 3.68s	remaining: 2.47s
598:	learn: 0.7151351	total: 3.69s	remaining: 2.47s
599:	learn: 0.7145649	total: 3.69s	remaining: 2.46s
600:	learn: 0.7137477	total: 3.7s	remaining: 2.46s
601:	learn: 0.7129216	total: 3.71s	remaining: 2.45s
602:	learn: 0.7119282	total: 3.71s	remaining: 2.44s
603:	learn: 0.7113325	total: 3.72s	remaining: 2.44s
604:	learn: 0.7105310	total: 3.73s	remaining: 2.43s
605:	learn: 0.7100986	total: 3.73s	remaining: 2.43s
606:	learn: 0.7092620	total: 3.74s	remaining: 2.42s
607:	learn: 0.7085344	total: 3.75s	remaining: 2.42s
608:	learn: 0.7079222	total: 3.75s	remaining: 2.41s
609:	learn: 0.7070927	total: 3.76s	remaining: 2.4s
610:	learn: 0.7061670	total: 3.77s	remaining: 2.4s
611:	learn: 0.7059103	total: 3.77s	remaining: 2.39s
612:	learn: 0.7047858	total: 3.78s	remaining: 2.39s
613:	learn: 0.7041100	total: 3.79s	remaining: 2.38s
614:	learn: 0.7034700	total: 3.8s	remaining: 2.38s

615:	learn: 0.7029596	total: 3.8s	remaining: 2.37s
616:	learn: 0.7020733	total: 3.81s	remaining: 2.36s
617:	learn: 0.7008539	total: 3.81s	remaining: 2.35s
618:	learn: 0.7004741	total: 3.81s	remaining: 2.35s
619:	learn: 0.6996280	total: 3.82s	remaining: 2.34s
620:	learn: 0.6989483	total: 3.83s	remaining: 2.33s
621:	learn: 0.6982038	total: 3.83s	remaining: 2.33s
622:	learn: 0.6977448	total: 3.84s	remaining: 2.32s
623:	learn: 0.6972538	total: 3.84s	remaining: 2.32s
624:	learn: 0.6957565	total: 3.85s	remaining: 2.31s
625:	learn: 0.6949002	total: 3.86s	remaining: 2.31s
626:	learn: 0.6936923	total: 3.87s	remaining: 2.3s
627:	learn: 0.6927571	total: 3.87s	remaining: 2.29s
628:	learn: 0.6919573	total: 3.88s	remaining: 2.29s
629:	learn: 0.6910384	total: 3.89s	remaining: 2.28s
630:	learn: 0.6903860	total: 3.9s	remaining: 2.28s
631:	learn: 0.6896179	total: 3.9s	remaining: 2.27s
632:	learn: 0.6892808	total: 3.91s	remaining: 2.27s
633:	learn: 0.6886580	total: 3.92s	remaining: 2.26s
634:	learn: 0.6879689	total: 3.92s	remaining: 2.25s
635:	learn: 0.6871117	total: 3.93s	remaining: 2.25s
636:	learn: 0.6866011	total: 3.94s	remaining: 2.24s
637:	learn: 0.6858462	total: 3.95s	remaining: 2.24s
638:	learn: 0.6851911	total: 3.96s	remaining: 2.23s
639:	learn: 0.6846364	total: 3.96s	remaining: 2.23s
640:	learn: 0.6839592	total: 3.97s	remaining: 2.22s
641:	learn: 0.6833321	total: 3.98s	remaining: 2.22s
642:	learn: 0.6826781	total: 3.98s	remaining: 2.21s
643:	learn: 0.6817166	total: 3.99s	remaining: 2.21s
644:	learn: 0.6805082	total: 4s	remaining: 2.2s
645:	learn: 0.6799931	total: 4.01s	remaining: 2.2s
646:	learn: 0.6795983	total: 4.01s	remaining: 2.19s
647:	learn: 0.6790398	total: 4.02s	remaining: 2.18s
648:	learn: 0.6788172	total: 4.03s	remaining: 2.18s
649:	learn: 0.6782530	total: 4.03s	remaining: 2.17s
650:	learn: 0.6779393	total: 4.04s	remaining: 2.16s
651:	learn: 0.6771331	total: 4.04s	remaining: 2.16s
652:	learn: 0.6762829	total: 4.05s	remaining: 2.15s
653:	learn: 0.6759359	total: 4.06s	remaining: 2.15s
654:	learn: 0.6754918	total: 4.06s	remaining: 2.14s
655:	learn: 0.6745538	total: 4.07s	remaining: 2.13s
656:	learn: 0.6739165	total: 4.07s	remaining: 2.13s
657:	learn: 0.6734187	total: 4.08s	remaining: 2.12s
658:	learn: 0.6728990	total: 4.08s	remaining: 2.11s
659:	learn: 0.6725500	total: 4.09s	remaining: 2.1s
660:	learn: 0.6725068	total: 4.09s	remaining: 2.1s
661:	learn: 0.6721116	total: 4.09s	remaining: 2.09s
662:	learn: 0.6713574	total: 4.1s	remaining: 2.08s
663:	learn: 0.6707125	total: 4.11s	remaining: 2.08s
664:	learn: 0.6701032	total: 4.11s	remaining: 2.07s
665:	learn: 0.6695050	total: 4.12s	remaining: 2.06s
666:	learn: 0.6691723	total: 4.12s	remaining: 2.06s
667:	learn: 0.6686408	total: 4.13s	remaining: 2.05s
668:	learn: 0.6683155	total: 4.13s	remaining: 2.04s
669:	learn: 0.6675892	total: 4.14s	remaining: 2.04s
670:	learn: 0.6668482	total: 4.14s	remaining: 2.03s
671:	learn: 0.6657997	total: 4.15s	remaining: 2.02s
672:	learn: 0.6650892	total: 4.16s	remaining: 2.02s
673:	learn: 0.6641015	total: 4.16s	remaining: 2.01s
674:	learn: 0.6632324	total: 4.17s	remaining: 2.01s

675:	learn: 0.6623767	total: 4.18s	remaining: 2s
676:	learn: 0.6615446	total: 4.18s	remaining: 2s
677:	learn: 0.6609020	total: 4.19s	remaining: 1.99s
678:	learn: 0.6599362	total: 4.2s	remaining: 1.98s
679:	learn: 0.6592940	total: 4.2s	remaining: 1.98s
680:	learn: 0.6591567	total: 4.2s	remaining: 1.97s
681:	learn: 0.6586289	total: 4.2s	remaining: 1.96s
682:	learn: 0.6581792	total: 4.21s	remaining: 1.95s
683:	learn: 0.6577175	total: 4.21s	remaining: 1.95s
684:	learn: 0.6566253	total: 4.22s	remaining: 1.94s
685:	learn: 0.6556611	total: 4.22s	remaining: 1.93s
686:	learn: 0.6548832	total: 4.23s	remaining: 1.93s
687:	learn: 0.6539808	total: 4.24s	remaining: 1.92s
688:	learn: 0.6535228	total: 4.24s	remaining: 1.91s
689:	learn: 0.6527762	total: 4.25s	remaining: 1.91s
690:	learn: 0.6521966	total: 4.25s	remaining: 1.9s
691:	learn: 0.6515482	total: 4.26s	remaining: 1.89s
692:	learn: 0.6512019	total: 4.26s	remaining: 1.89s
693:	learn: 0.6503928	total: 4.27s	remaining: 1.88s
694:	learn: 0.6498591	total: 4.28s	remaining: 1.88s
695:	learn: 0.6493912	total: 4.28s	remaining: 1.87s
696:	learn: 0.6483776	total: 4.29s	remaining: 1.86s
697:	learn: 0.6480066	total: 4.3s	remaining: 1.86s
698:	learn: 0.6470642	total: 4.3s	remaining: 1.85s
699:	learn: 0.6466085	total: 4.31s	remaining: 1.85s
700:	learn: 0.6457643	total: 4.32s	remaining: 1.84s
701:	learn: 0.6453059	total: 4.32s	remaining: 1.83s
702:	learn: 0.6448502	total: 4.33s	remaining: 1.83s
703:	learn: 0.6441998	total: 4.34s	remaining: 1.82s
704:	learn: 0.6434092	total: 4.34s	remaining: 1.82s
705:	learn: 0.6428691	total: 4.35s	remaining: 1.81s
706:	learn: 0.6420750	total: 4.36s	remaining: 1.8s
707:	learn: 0.6413268	total: 4.36s	remaining: 1.8s
708:	learn: 0.6403926	total: 4.37s	remaining: 1.79s
709:	learn: 0.6398675	total: 4.38s	remaining: 1.79s
710:	learn: 0.6396588	total: 4.39s	remaining: 1.78s
711:	learn: 0.6393071	total: 4.39s	remaining: 1.78s
712:	learn: 0.6386397	total: 4.39s	remaining: 1.77s
713:	learn: 0.6376477	total: 4.4s	remaining: 1.76s
714:	learn: 0.6370573	total: 4.4s	remaining: 1.75s
715:	learn: 0.6362844	total: 4.4s	remaining: 1.75s
716:	learn: 0.6357398	total: 4.41s	remaining: 1.74s
717:	learn: 0.6353945	total: 4.41s	remaining: 1.73s
718:	learn: 0.6349084	total: 4.42s	remaining: 1.73s
719:	learn: 0.6342840	total: 4.42s	remaining: 1.72s
720:	learn: 0.6337956	total: 4.43s	remaining: 1.71s
721:	learn: 0.6331013	total: 4.43s	remaining: 1.71s
722:	learn: 0.6324686	total: 4.43s	remaining: 1.7s
723:	learn: 0.6321483	total: 4.44s	remaining: 1.69s
724:	learn: 0.6318957	total: 4.45s	remaining: 1.69s
725:	learn: 0.6314351	total: 4.45s	remaining: 1.68s
726:	learn: 0.6308932	total: 4.46s	remaining: 1.67s
727:	learn: 0.6303690	total: 4.47s	remaining: 1.67s
728:	learn: 0.6294944	total: 4.47s	remaining: 1.66s
729:	learn: 0.6289436	total: 4.48s	remaining: 1.66s
730:	learn: 0.6283824	total: 4.49s	remaining: 1.65s
731:	learn: 0.6277272	total: 4.5s	remaining: 1.65s
732:	learn: 0.6269952	total: 4.5s	remaining: 1.64s
733:	learn: 0.6264031	total: 4.51s	remaining: 1.63s
734:	learn: 0.6257741	total: 4.52s	remaining: 1.63s

735:	learn: 0.6251185	total: 4.52s	remaining: 1.62s
736:	learn: 0.6247723	total: 4.53s	remaining: 1.62s
737:	learn: 0.6242381	total: 4.54s	remaining: 1.61s
738:	learn: 0.6236452	total: 4.54s	remaining: 1.6s
739:	learn: 0.6230616	total: 4.55s	remaining: 1.6s
740:	learn: 0.6227015	total: 4.55s	remaining: 1.59s
741:	learn: 0.6219695	total: 4.56s	remaining: 1.58s
742:	learn: 0.6217141	total: 4.56s	remaining: 1.58s
743:	learn: 0.6210819	total: 4.57s	remaining: 1.57s
744:	learn: 0.6206247	total: 4.57s	remaining: 1.56s
745:	learn: 0.6201060	total: 4.58s	remaining: 1.56s
746:	learn: 0.6197030	total: 4.59s	remaining: 1.55s
747:	learn: 0.6192684	total: 4.59s	remaining: 1.55s
748:	learn: 0.6189972	total: 4.59s	remaining: 1.54s
749:	learn: 0.6186171	total: 4.6s	remaining: 1.53s
750:	learn: 0.6181419	total: 4.6s	remaining: 1.52s
751:	learn: 0.6177145	total: 4.61s	remaining: 1.52s
752:	learn: 0.6173529	total: 4.61s	remaining: 1.51s
753:	learn: 0.6168738	total: 4.62s	remaining: 1.51s
754:	learn: 0.6161777	total: 4.62s	remaining: 1.5s
755:	learn: 0.6155072	total: 4.63s	remaining: 1.49s
756:	learn: 0.6151574	total: 4.63s	remaining: 1.49s
757:	learn: 0.6147796	total: 4.64s	remaining: 1.48s
758:	learn: 0.6142137	total: 4.64s	remaining: 1.47s
759:	learn: 0.6140005	total: 4.65s	remaining: 1.47s
760:	learn: 0.6132966	total: 4.65s	remaining: 1.46s
761:	learn: 0.6128439	total: 4.66s	remaining: 1.45s
762:	learn: 0.6123922	total: 4.66s	remaining: 1.45s
763:	learn: 0.6114623	total: 4.67s	remaining: 1.44s
764:	learn: 0.6107547	total: 4.67s	remaining: 1.44s
765:	learn: 0.6098779	total: 4.68s	remaining: 1.43s
766:	learn: 0.6092594	total: 4.68s	remaining: 1.42s
767:	learn: 0.6088165	total: 4.69s	remaining: 1.42s
768:	learn: 0.6085118	total: 4.69s	remaining: 1.41s
769:	learn: 0.6080657	total: 4.7s	remaining: 1.4s
770:	learn: 0.6075405	total: 4.7s	remaining: 1.4s
771:	learn: 0.6069268	total: 4.71s	remaining: 1.39s
772:	learn: 0.6066798	total: 4.71s	remaining: 1.38s
773:	learn: 0.6062908	total: 4.71s	remaining: 1.38s
774:	learn: 0.6057996	total: 4.72s	remaining: 1.37s
775:	learn: 0.6048856	total: 4.72s	remaining: 1.36s
776:	learn: 0.6044823	total: 4.73s	remaining: 1.36s
777:	learn: 0.6039952	total: 4.73s	remaining: 1.35s
778:	learn: 0.6036935	total: 4.74s	remaining: 1.34s
779:	learn: 0.6034041	total: 4.74s	remaining: 1.34s
780:	learn: 0.6029731	total: 4.75s	remaining: 1.33s
781:	learn: 0.6025331	total: 4.75s	remaining: 1.32s
782:	learn: 0.6016651	total: 4.76s	remaining: 1.32s
783:	learn: 0.6011618	total: 4.76s	remaining: 1.31s
784:	learn: 0.6005783	total: 4.77s	remaining: 1.3s
785:	learn: 0.5998009	total: 4.77s	remaining: 1.3s
786:	learn: 0.5992383	total: 4.78s	remaining: 1.29s
787:	learn: 0.5986858	total: 4.78s	remaining: 1.29s
788:	learn: 0.5982296	total: 4.79s	remaining: 1.28s
789:	learn: 0.5975699	total: 4.79s	remaining: 1.27s
790:	learn: 0.5970942	total: 4.8s	remaining: 1.27s
791:	learn: 0.5965102	total: 4.81s	remaining: 1.26s
792:	learn: 0.5957544	total: 4.81s	remaining: 1.26s
793:	learn: 0.5954793	total: 4.82s	remaining: 1.25s
794:	learn: 0.5950091	total: 4.83s	remaining: 1.24s

795:	learn: 0.5945246	total: 4.83s	remaining: 1.24s
796:	learn: 0.5939662	total: 4.84s	remaining: 1.23s
797:	learn: 0.5936053	total: 4.85s	remaining: 1.23s
798:	learn: 0.5932420	total: 4.86s	remaining: 1.22s
799:	learn: 0.5926742	total: 4.86s	remaining: 1.22s
800:	learn: 0.5920973	total: 4.87s	remaining: 1.21s
801:	learn: 0.5916108	total: 4.88s	remaining: 1.2s
802:	learn: 0.5910978	total: 4.88s	remaining: 1.2s
803:	learn: 0.5905838	total: 4.89s	remaining: 1.19s
804:	learn: 0.5900162	total: 4.9s	remaining: 1.19s
805:	learn: 0.5896467	total: 4.9s	remaining: 1.18s
806:	learn: 0.5891637	total: 4.91s	remaining: 1.17s
807:	learn: 0.5887676	total: 4.91s	remaining: 1.17s
808:	learn: 0.5884700	total: 4.92s	remaining: 1.16s
809:	learn: 0.5878104	total: 4.93s	remaining: 1.16s
810:	learn: 0.5874980	total: 4.93s	remaining: 1.15s
811:	learn: 0.5871338	total: 4.94s	remaining: 1.14s
812:	learn: 0.5865863	total: 4.95s	remaining: 1.14s
813:	learn: 0.5861853	total: 4.95s	remaining: 1.13s
814:	learn: 0.5856901	total: 4.96s	remaining: 1.13s
815:	learn: 0.5851371	total: 4.96s	remaining: 1.12s
816:	learn: 0.5846487	total: 4.96s	remaining: 1.11s
817:	learn: 0.5841040	total: 4.97s	remaining: 1.1s
818:	learn: 0.5837488	total: 4.98s	remaining: 1.1s
819:	learn: 0.5835724	total: 4.98s	remaining: 1.09s
820:	learn: 0.5831214	total: 4.99s	remaining: 1.09s
821:	learn: 0.5828803	total: 4.99s	remaining: 1.08s
822:	learn: 0.5824483	total: 5s	remaining: 1.07s
823:	learn: 0.5818726	total: 5s	remaining: 1.07s
824:	learn: 0.5816463	total: 5.01s	remaining: 1.06s
825:	learn: 0.5808031	total: 5.02s	remaining: 1.06s
826:	learn: 0.5803877	total: 5.03s	remaining: 1.05s
827:	learn: 0.5801432	total: 5.03s	remaining: 1.04s
828:	learn: 0.5796327	total: 5.04s	remaining: 1.04s
829:	learn: 0.5792530	total: 5.04s	remaining: 1.03s
830:	learn: 0.5789377	total: 5.05s	remaining: 1.03s
831:	learn: 0.5786875	total: 5.06s	remaining: 1.02s
832:	learn: 0.5782033	total: 5.06s	remaining: 1.01s
833:	learn: 0.5776310	total: 5.07s	remaining: 1.01s
834:	learn: 0.5772979	total: 5.07s	remaining: 1s
835:	learn: 0.5770470	total: 5.08s	remaining: 996ms
836:	learn: 0.5767623	total: 5.08s	remaining: 989ms
837:	learn: 0.5765634	total: 5.09s	remaining: 983ms
838:	learn: 0.5762129	total: 5.09s	remaining: 977ms
839:	learn: 0.5759138	total: 5.09s	remaining: 970ms
840:	learn: 0.5753983	total: 5.1s	remaining: 964ms
841:	learn: 0.5747310	total: 5.11s	remaining: 958ms
842:	learn: 0.5744005	total: 5.11s	remaining: 952ms
843:	learn: 0.5741749	total: 5.11s	remaining: 945ms
844:	learn: 0.5738246	total: 5.12s	remaining: 939ms
845:	learn: 0.5735455	total: 5.12s	remaining: 933ms
846:	learn: 0.5730397	total: 5.13s	remaining: 926ms
847:	learn: 0.5727186	total: 5.13s	remaining: 920ms
848:	learn: 0.5722505	total: 5.14s	remaining: 915ms
849:	learn: 0.5719945	total: 5.15s	remaining: 909ms
850:	learn: 0.5711345	total: 5.16s	remaining: 903ms
851:	learn: 0.5708017	total: 5.16s	remaining: 896ms
852:	learn: 0.5703296	total: 5.16s	remaining: 890ms
853:	learn: 0.5698806	total: 5.17s	remaining: 884ms
854:	learn: 0.5691631	total: 5.17s	remaining: 877ms

855:	learn: 0.5689715	total: 5.18s	remaining: 871ms
856:	learn: 0.5686784	total: 5.18s	remaining: 864ms
857:	learn: 0.5684688	total: 5.18s	remaining: 858ms
858:	learn: 0.5681434	total: 5.19s	remaining: 852ms
859:	learn: 0.5676230	total: 5.19s	remaining: 845ms
860:	learn: 0.5672474	total: 5.2s	remaining: 839ms
861:	learn: 0.5668778	total: 5.2s	remaining: 833ms
862:	learn: 0.5665793	total: 5.21s	remaining: 827ms
863:	learn: 0.5662734	total: 5.21s	remaining: 820ms
864:	learn: 0.5660358	total: 5.22s	remaining: 814ms
865:	learn: 0.5657632	total: 5.22s	remaining: 808ms
866:	learn: 0.5652920	total: 5.23s	remaining: 802ms
867:	learn: 0.5649261	total: 5.23s	remaining: 795ms
868:	learn: 0.5646336	total: 5.24s	remaining: 789ms
869:	learn: 0.5644384	total: 5.24s	remaining: 783ms
870:	learn: 0.5642562	total: 5.24s	remaining: 777ms
871:	learn: 0.5640204	total: 5.25s	remaining: 770ms
872:	learn: 0.5638326	total: 5.25s	remaining: 764ms
873:	learn: 0.5634158	total: 5.25s	remaining: 758ms
874:	learn: 0.5628504	total: 5.26s	remaining: 751ms
875:	learn: 0.5625322	total: 5.27s	remaining: 746ms
876:	learn: 0.5620452	total: 5.27s	remaining: 739ms
877:	learn: 0.5616954	total: 5.28s	remaining: 733ms
878:	learn: 0.5613801	total: 5.28s	remaining: 727ms
879:	learn: 0.5606577	total: 5.29s	remaining: 721ms
880:	learn: 0.5602496	total: 5.29s	remaining: 715ms
881:	learn: 0.5599284	total: 5.3s	remaining: 709ms
882:	learn: 0.5596323	total: 5.3s	remaining: 702ms
883:	learn: 0.5591948	total: 5.31s	remaining: 696ms
884:	learn: 0.5588556	total: 5.31s	remaining: 690ms
885:	learn: 0.5582226	total: 5.32s	remaining: 684ms
886:	learn: 0.5580531	total: 5.32s	remaining: 678ms
887:	learn: 0.5577891	total: 5.33s	remaining: 672ms
888:	learn: 0.5575170	total: 5.33s	remaining: 666ms
889:	learn: 0.5570937	total: 5.34s	remaining: 660ms
890:	learn: 0.5569148	total: 5.34s	remaining: 654ms
891:	learn: 0.5566721	total: 5.35s	remaining: 648ms
892:	learn: 0.5559615	total: 5.36s	remaining: 642ms
893:	learn: 0.5556882	total: 5.36s	remaining: 636ms
894:	learn: 0.5553442	total: 5.37s	remaining: 630ms
895:	learn: 0.5551736	total: 5.37s	remaining: 624ms
896:	learn: 0.5547860	total: 5.38s	remaining: 617ms
897:	learn: 0.5543502	total: 5.38s	remaining: 611ms
898:	learn: 0.5540466	total: 5.38s	remaining: 605ms
899:	learn: 0.5536632	total: 5.39s	remaining: 599ms
900:	learn: 0.5532020	total: 5.39s	remaining: 592ms
901:	learn: 0.5528241	total: 5.4s	remaining: 586ms
902:	learn: 0.5525267	total: 5.4s	remaining: 580ms
903:	learn: 0.5521905	total: 5.41s	remaining: 574ms
904:	learn: 0.5516488	total: 5.41s	remaining: 568ms
905:	learn: 0.5511839	total: 5.42s	remaining: 562ms
906:	learn: 0.5508889	total: 5.42s	remaining: 556ms
907:	learn: 0.5504713	total: 5.42s	remaining: 550ms
908:	learn: 0.5503366	total: 5.43s	remaining: 544ms
909:	learn: 0.5502544	total: 5.44s	remaining: 538ms
910:	learn: 0.5498382	total: 5.44s	remaining: 532ms
911:	learn: 0.5494497	total: 5.45s	remaining: 526ms
912:	learn: 0.5491925	total: 5.45s	remaining: 520ms
913:	learn: 0.5489591	total: 5.46s	remaining: 513ms
914:	learn: 0.5486087	total: 5.46s	remaining: 507ms

915:	learn: 0.5480377	total: 5.47s	remaining: 501ms
916:	learn: 0.5474998	total: 5.47s	remaining: 496ms
917:	learn: 0.5471845	total: 5.48s	remaining: 490ms
918:	learn: 0.5469744	total: 5.49s	remaining: 484ms
919:	learn: 0.5464285	total: 5.49s	remaining: 477ms
920:	learn: 0.5460885	total: 5.49s	remaining: 471ms
921:	learn: 0.5458954	total: 5.5s	remaining: 465ms
922:	learn: 0.5455127	total: 5.5s	remaining: 459ms
923:	learn: 0.5451737	total: 5.5s	remaining: 453ms
924:	learn: 0.5448347	total: 5.51s	remaining: 447ms
925:	learn: 0.5448035	total: 5.51s	remaining: 441ms
926:	learn: 0.5444974	total: 5.52s	remaining: 435ms
927:	learn: 0.5441780	total: 5.52s	remaining: 429ms
928:	learn: 0.5439522	total: 5.53s	remaining: 423ms
929:	learn: 0.5437124	total: 5.53s	remaining: 416ms
930:	learn: 0.5433970	total: 5.54s	remaining: 410ms
931:	learn: 0.5428250	total: 5.54s	remaining: 404ms
932:	learn: 0.5421800	total: 5.55s	remaining: 398ms
933:	learn: 0.5417961	total: 5.55s	remaining: 392ms
934:	learn: 0.5412302	total: 5.56s	remaining: 386ms
935:	learn: 0.5409341	total: 5.57s	remaining: 381ms
936:	learn: 0.5406184	total: 5.57s	remaining: 375ms
937:	learn: 0.5401523	total: 5.58s	remaining: 369ms
938:	learn: 0.5398684	total: 5.58s	remaining: 363ms
939:	learn: 0.5393110	total: 5.58s	remaining: 356ms
940:	learn: 0.5390916	total: 5.59s	remaining: 350ms
941:	learn: 0.5386422	total: 5.59s	remaining: 345ms
942:	learn: 0.5382358	total: 5.6s	remaining: 338ms
943:	learn: 0.5380315	total: 5.61s	remaining: 333ms
944:	learn: 0.5376862	total: 5.61s	remaining: 327ms
945:	learn: 0.5371910	total: 5.62s	remaining: 321ms
946:	learn: 0.5368088	total: 5.63s	remaining: 315ms
947:	learn: 0.5364083	total: 5.63s	remaining: 309ms
948:	learn: 0.5361124	total: 5.64s	remaining: 303ms
949:	learn: 0.5358301	total: 5.64s	remaining: 297ms
950:	learn: 0.5355308	total: 5.65s	remaining: 291ms
951:	learn: 0.5352367	total: 5.66s	remaining: 285ms
952:	learn: 0.5350453	total: 5.66s	remaining: 279ms
953:	learn: 0.5348355	total: 5.67s	remaining: 273ms
954:	learn: 0.5346880	total: 5.67s	remaining: 267ms
955:	learn: 0.5345446	total: 5.68s	remaining: 261ms
956:	learn: 0.5338185	total: 5.69s	remaining: 256ms
957:	learn: 0.5335062	total: 5.69s	remaining: 250ms
958:	learn: 0.5334406	total: 5.7s	remaining: 243ms
959:	learn: 0.5329126	total: 5.7s	remaining: 238ms
960:	learn: 0.5326645	total: 5.71s	remaining: 232ms
961:	learn: 0.5322345	total: 5.71s	remaining: 226ms
962:	learn: 0.5317386	total: 5.72s	remaining: 220ms
963:	learn: 0.5315106	total: 5.72s	remaining: 214ms
964:	learn: 0.5311935	total: 5.73s	remaining: 208ms
965:	learn: 0.5309326	total: 5.74s	remaining: 202ms
966:	learn: 0.5306650	total: 5.74s	remaining: 196ms
967:	learn: 0.5305179	total: 5.75s	remaining: 190ms
968:	learn: 0.5303492	total: 5.75s	remaining: 184ms
969:	learn: 0.5300280	total: 5.76s	remaining: 178ms
970:	learn: 0.5295738	total: 5.76s	remaining: 172ms
971:	learn: 0.5293762	total: 5.77s	remaining: 166ms
972:	learn: 0.5292380	total: 5.78s	remaining: 160ms
973:	learn: 0.5290436	total: 5.78s	remaining: 154ms
974:	learn: 0.5289432	total: 5.78s	remaining: 148ms

975:	learn: 0.5286052	total: 5.79s	remaining: 142ms
976:	learn: 0.5285820	total: 5.79s	remaining: 136ms
977:	learn: 0.5280920	total: 5.79s	remaining: 130ms
978:	learn: 0.5279129	total: 5.8s	remaining: 124ms
979:	learn: 0.5276770	total: 5.8s	remaining: 118ms
980:	learn: 0.5274115	total: 5.81s	remaining: 112ms
981:	learn: 0.5270249	total: 5.81s	remaining: 107ms
982:	learn: 0.5265989	total: 5.82s	remaining: 101ms
983:	learn: 0.5262370	total: 5.83s	remaining: 94.8ms
984:	learn: 0.5261185	total: 5.83s	remaining: 88.9ms
985:	learn: 0.5256390	total: 5.84s	remaining: 83ms
986:	learn: 0.5253714	total: 5.85s	remaining: 77ms
987:	learn: 0.5251070	total: 5.86s	remaining: 71.1ms
988:	learn: 0.5249934	total: 5.86s	remaining: 65.2ms
989:	learn: 0.5246233	total: 5.87s	remaining: 59.3ms
990:	learn: 0.5242038	total: 5.88s	remaining: 53.4ms
991:	learn: 0.5238929	total: 5.88s	remaining: 47.5ms
992:	learn: 0.5235573	total: 5.89s	remaining: 41.5ms
993:	learn: 0.5232268	total: 5.9s	remaining: 35.6ms
994:	learn: 0.5230291	total: 5.91s	remaining: 29.7ms
995:	learn: 0.5227093	total: 5.92s	remaining: 23.8ms
996:	learn: 0.5219089	total: 5.92s	remaining: 17.8ms
997:	learn: 0.5213914	total: 5.93s	remaining: 11.9ms
998:	learn: 0.5210054	total: 5.94s	remaining: 5.94ms
999:	learn: 0.5207695	total: 5.94s	remaining: 0us

Learning rate set to 0.06063

0:	learn: 59.0812285	total: 7.71ms	remaining: 7.7s
1:	learn: 55.8850383	total: 12.2ms	remaining: 6.07s
2:	learn: 52.8711126	total: 16.5ms	remaining: 5.5s
3:	learn: 49.9892908	total: 22.7ms	remaining: 5.66s
4:	learn: 47.3124783	total: 30.1ms	remaining: 6s
5:	learn: 44.8594734	total: 35ms	remaining: 5.8s
6:	learn: 42.5958804	total: 41.1ms	remaining: 5.83s
7:	learn: 40.4216576	total: 48.7ms	remaining: 6.04s
8:	learn: 38.3136662	total: 54.6ms	remaining: 6.01s
9:	learn: 36.2848726	total: 62ms	remaining: 6.13s
10:	learn: 34.4338991	total: 69.5ms	remaining: 6.25s
11:	learn: 32.6574154	total: 77ms	remaining: 6.33s
12:	learn: 30.9767409	total: 84.6ms	remaining: 6.42s
13:	learn: 29.4246742	total: 91.8ms	remaining: 6.47s
14:	learn: 27.9053498	total: 97.3ms	remaining: 6.39s
15:	learn: 26.4948526	total: 105ms	remaining: 6.45s
16:	learn: 25.1409894	total: 112ms	remaining: 6.5s
17:	learn: 23.9538536	total: 120ms	remaining: 6.53s
18:	learn: 22.7619784	total: 127ms	remaining: 6.55s
19:	learn: 21.6461475	total: 134ms	remaining: 6.58s
20:	learn: 20.5814927	total: 142ms	remaining: 6.62s
21:	learn: 19.6185752	total: 150ms	remaining: 6.65s
22:	learn: 18.7282159	total: 157ms	remaining: 6.66s
23:	learn: 17.8281696	total: 164ms	remaining: 6.69s
24:	learn: 17.0044415	total: 172ms	remaining: 6.7s
25:	learn: 16.2273038	total: 179ms	remaining: 6.71s
26:	learn: 15.5053361	total: 187ms	remaining: 6.72s
27:	learn: 14.8052256	total: 193ms	remaining: 6.71s
28:	learn: 14.1644985	total: 197ms	remaining: 6.58s
29:	learn: 13.5504665	total: 200ms	remaining: 6.46s
30:	learn: 12.9848279	total: 203ms	remaining: 6.36s
31:	learn: 12.4288060	total: 207ms	remaining: 6.25s
32:	learn: 11.8952742	total: 211ms	remaining: 6.19s
33:	learn: 11.4110109	total: 218ms	remaining: 6.21s

34:	learn: 10.9475058	total: 225ms	remaining: 6.19s
35:	learn: 10.5236193	total: 232ms	remaining: 6.21s
36:	learn: 10.1058592	total: 239ms	remaining: 6.21s
37:	learn: 9.6979631	total: 246ms	remaining: 6.23s
38:	learn: 9.3081722	total: 253ms	remaining: 6.24s
39:	learn: 8.9659857	total: 257ms	remaining: 6.16s
40:	learn: 8.6641730	total: 261ms	remaining: 6.09s
41:	learn: 8.3662765	total: 267ms	remaining: 6.09s
42:	learn: 8.1005891	total: 272ms	remaining: 6.05s
43:	learn: 7.8051718	total: 276ms	remaining: 5.99s
44:	learn: 7.5306512	total: 282ms	remaining: 5.99s
45:	learn: 7.2837109	total: 287ms	remaining: 5.96s
46:	learn: 7.0455227	total: 290ms	remaining: 5.89s
47:	learn: 6.8199083	total: 297ms	remaining: 5.89s
48:	learn: 6.5984794	total: 302ms	remaining: 5.86s
49:	learn: 6.3958223	total: 305ms	remaining: 5.8s
50:	learn: 6.2169144	total: 312ms	remaining: 5.81s
51:	learn: 6.0363832	total: 317ms	remaining: 5.79s
52:	learn: 5.8724514	total: 321ms	remaining: 5.73s
53:	learn: 5.7201157	total: 328ms	remaining: 5.74s
54:	learn: 5.5621894	total: 332ms	remaining: 5.71s
55:	learn: 5.4332412	total: 339ms	remaining: 5.72s
56:	learn: 5.2961141	total: 344ms	remaining: 5.7s
57:	learn: 5.1781172	total: 354ms	remaining: 5.75s
58:	learn: 5.0575970	total: 360ms	remaining: 5.74s
59:	learn: 4.9403764	total: 364ms	remaining: 5.71s
60:	learn: 4.8363760	total: 374ms	remaining: 5.75s
61:	learn: 4.7378957	total: 378ms	remaining: 5.71s
62:	learn: 4.6506038	total: 384ms	remaining: 5.72s
63:	learn: 4.5588171	total: 389ms	remaining: 5.69s
64:	learn: 4.4645629	total: 396ms	remaining: 5.7s
65:	learn: 4.3862557	total: 402ms	remaining: 5.68s
66:	learn: 4.3034293	total: 408ms	remaining: 5.68s
67:	learn: 4.2230673	total: 415ms	remaining: 5.68s
68:	learn: 4.1543810	total: 422ms	remaining: 5.69s
69:	learn: 4.0868816	total: 425ms	remaining: 5.65s
70:	learn: 4.0175776	total: 432ms	remaining: 5.65s
71:	learn: 3.9520445	total: 436ms	remaining: 5.62s
72:	learn: 3.8796904	total: 440ms	remaining: 5.59s
73:	learn: 3.8304255	total: 446ms	remaining: 5.58s
74:	learn: 3.7789737	total: 449ms	remaining: 5.54s
75:	learn: 3.7287071	total: 453ms	remaining: 5.51s
76:	learn: 3.6681853	total: 458ms	remaining: 5.49s
77:	learn: 3.6123854	total: 463ms	remaining: 5.48s
78:	learn: 3.5717715	total: 467ms	remaining: 5.45s
79:	learn: 3.5231055	total: 471ms	remaining: 5.41s
80:	learn: 3.4861675	total: 476ms	remaining: 5.4s
81:	learn: 3.4477197	total: 481ms	remaining: 5.38s
82:	learn: 3.4122633	total: 487ms	remaining: 5.38s
83:	learn: 3.3759825	total: 492ms	remaining: 5.36s
84:	learn: 3.3340746	total: 496ms	remaining: 5.34s
85:	learn: 3.2901473	total: 502ms	remaining: 5.33s
86:	learn: 3.2557253	total: 507ms	remaining: 5.33s
87:	learn: 3.2201181	total: 514ms	remaining: 5.32s
88:	learn: 3.1901550	total: 518ms	remaining: 5.3s
89:	learn: 3.1630528	total: 523ms	remaining: 5.29s
90:	learn: 3.1371149	total: 528ms	remaining: 5.27s
91:	learn: 3.1168860	total: 535ms	remaining: 5.28s
92:	learn: 3.0916010	total: 540ms	remaining: 5.27s
93:	learn: 3.0677399	total: 546ms	remaining: 5.27s

94:	learn: 3.0459523	total: 554ms	remaining: 5.27s
95:	learn: 3.0270220	total: 559ms	remaining: 5.27s
96:	learn: 3.0004307	total: 565ms	remaining: 5.26s
97:	learn: 2.9759962	total: 570ms	remaining: 5.25s
98:	learn: 2.9592078	total: 575ms	remaining: 5.23s
99:	learn: 2.9375383	total: 579ms	remaining: 5.21s
100:	learn: 2.9153149	total: 584ms	remaining: 5.2s
101:	learn: 2.8932453	total: 588ms	remaining: 5.17s
102:	learn: 2.8714799	total: 594ms	remaining: 5.17s
103:	learn: 2.8577318	total: 601ms	remaining: 5.18s
104:	learn: 2.8414015	total: 605ms	remaining: 5.16s
105:	learn: 2.8236273	total: 609ms	remaining: 5.14s
106:	learn: 2.8091562	total: 616ms	remaining: 5.14s
107:	learn: 2.7946160	total: 620ms	remaining: 5.12s
108:	learn: 2.7697531	total: 624ms	remaining: 5.1s
109:	learn: 2.7455907	total: 630ms	remaining: 5.1s
110:	learn: 2.7336880	total: 635ms	remaining: 5.08s
111:	learn: 2.7188959	total: 638ms	remaining: 5.06s
112:	learn: 2.7014022	total: 645ms	remaining: 5.06s
113:	learn: 2.6791529	total: 650ms	remaining: 5.05s
114:	learn: 2.6613852	total: 654ms	remaining: 5.03s
115:	learn: 2.6478750	total: 659ms	remaining: 5.02s
116:	learn: 2.6253452	total: 664ms	remaining: 5.01s
117:	learn: 2.6080654	total: 667ms	remaining: 4.99s
118:	learn: 2.5971198	total: 674ms	remaining: 4.99s
119:	learn: 2.5745730	total: 678ms	remaining: 4.97s
120:	learn: 2.5534947	total: 683ms	remaining: 4.96s
121:	learn: 2.5384888	total: 689ms	remaining: 4.96s
122:	learn: 2.5179747	total: 694ms	remaining: 4.95s
123:	learn: 2.5024704	total: 700ms	remaining: 4.94s
124:	learn: 2.4836322	total: 705ms	remaining: 4.93s
125:	learn: 2.4579995	total: 711ms	remaining: 4.93s
126:	learn: 2.4475445	total: 718ms	remaining: 4.93s
127:	learn: 2.4362061	total: 724ms	remaining: 4.93s
128:	learn: 2.4276139	total: 731ms	remaining: 4.93s
129:	learn: 2.4170810	total: 736ms	remaining: 4.92s
130:	learn: 2.4072314	total: 742ms	remaining: 4.92s
131:	learn: 2.4004222	total: 747ms	remaining: 4.91s
132:	learn: 2.3811437	total: 752ms	remaining: 4.9s
133:	learn: 2.3684484	total: 759ms	remaining: 4.9s
134:	learn: 2.3547217	total: 763ms	remaining: 4.89s
135:	learn: 2.3393289	total: 768ms	remaining: 4.88s
136:	learn: 2.3267432	total: 776ms	remaining: 4.89s
137:	learn: 2.3090154	total: 781ms	remaining: 4.88s
138:	learn: 2.2882306	total: 784ms	remaining: 4.86s
139:	learn: 2.2726784	total: 790ms	remaining: 4.85s
140:	learn: 2.2603235	total: 794ms	remaining: 4.84s
141:	learn: 2.2463810	total: 799ms	remaining: 4.83s
142:	learn: 2.2302844	total: 806ms	remaining: 4.83s
143:	learn: 2.2168205	total: 810ms	remaining: 4.81s
144:	learn: 2.2063120	total: 817ms	remaining: 4.81s
145:	learn: 2.1978829	total: 823ms	remaining: 4.81s
146:	learn: 2.1857767	total: 831ms	remaining: 4.82s
147:	learn: 2.1713352	total: 837ms	remaining: 4.82s
148:	learn: 2.1637387	total: 842ms	remaining: 4.81s
149:	learn: 2.1551960	total: 849ms	remaining: 4.81s
150:	learn: 2.1479070	total: 853ms	remaining: 4.8s
151:	learn: 2.1313057	total: 858ms	remaining: 4.79s
152:	learn: 2.1170739	total: 865ms	remaining: 4.79s
153:	learn: 2.1083447	total: 871ms	remaining: 4.79s

154:	learn: 2.1009661	total: 879ms	remaining: 4.79s
155:	learn: 2.0898800	total: 883ms	remaining: 4.78s
156:	learn: 2.0794771	total: 888ms	remaining: 4.77s
157:	learn: 2.0686793	total: 895ms	remaining: 4.77s
158:	learn: 2.0584847	total: 901ms	remaining: 4.76s
159:	learn: 2.0485905	total: 908ms	remaining: 4.76s
160:	learn: 2.0336946	total: 914ms	remaining: 4.76s
161:	learn: 2.0269741	total: 921ms	remaining: 4.76s
162:	learn: 2.0183623	total: 986ms	remaining: 5.06s
163:	learn: 2.0076664	total: 994ms	remaining: 5.06s
164:	learn: 2.0024612	total: 998ms	remaining: 5.05s
165:	learn: 1.9868339	total: 1s	remaining: 5.03s
166:	learn: 1.9792571	total: 1s	remaining: 5.01s
167:	learn: 1.9719859	total: 1.01s	remaining: 5s
168:	learn: 1.9626659	total: 1.02s	remaining: 5s
169:	learn: 1.9569459	total: 1.02s	remaining: 5s
170:	learn: 1.9520412	total: 1.03s	remaining: 4.99s
171:	learn: 1.9446100	total: 1.04s	remaining: 4.99s
172:	learn: 1.9347571	total: 1.04s	remaining: 4.98s
173:	learn: 1.9284240	total: 1.05s	remaining: 4.97s
174:	learn: 1.9169651	total: 1.05s	remaining: 4.97s
175:	learn: 1.9078702	total: 1.06s	remaining: 4.96s
176:	learn: 1.9031710	total: 1.07s	remaining: 4.96s
177:	learn: 1.8921593	total: 1.07s	remaining: 4.95s
178:	learn: 1.8854216	total: 1.08s	remaining: 4.95s
179:	learn: 1.8788054	total: 1.09s	remaining: 4.95s
180:	learn: 1.8704126	total: 1.09s	remaining: 4.95s
181:	learn: 1.8606888	total: 1.1s	remaining: 4.95s
182:	learn: 1.8562604	total: 1.11s	remaining: 4.94s
183:	learn: 1.8486295	total: 1.11s	remaining: 4.94s
184:	learn: 1.8402550	total: 1.12s	remaining: 4.93s
185:	learn: 1.8355346	total: 1.13s	remaining: 4.93s
186:	learn: 1.8225921	total: 1.13s	remaining: 4.93s
187:	learn: 1.8161038	total: 1.14s	remaining: 4.93s
188:	learn: 1.8046423	total: 1.15s	remaining: 4.92s
189:	learn: 1.7965857	total: 1.16s	remaining: 4.92s
190:	learn: 1.7879766	total: 1.16s	remaining: 4.92s
191:	learn: 1.7812829	total: 1.17s	remaining: 4.92s
192:	learn: 1.7700663	total: 1.18s	remaining: 4.91s
193:	learn: 1.7642986	total: 1.18s	remaining: 4.92s
194:	learn: 1.7553742	total: 1.19s	remaining: 4.91s
195:	learn: 1.7474423	total: 1.2s	remaining: 4.91s
196:	learn: 1.7429870	total: 1.2s	remaining: 4.89s
197:	learn: 1.7345346	total: 1.2s	remaining: 4.88s
198:	learn: 1.7285793	total: 1.21s	remaining: 4.88s
199:	learn: 1.7226841	total: 1.22s	remaining: 4.87s
200:	learn: 1.7154840	total: 1.22s	remaining: 4.85s
201:	learn: 1.7086427	total: 1.23s	remaining: 4.85s
202:	learn: 1.7024885	total: 1.23s	remaining: 4.84s
203:	learn: 1.6950774	total: 1.24s	remaining: 4.83s
204:	learn: 1.6894051	total: 1.24s	remaining: 4.82s
205:	learn: 1.6815447	total: 1.25s	remaining: 4.82s
206:	learn: 1.6754732	total: 1.26s	remaining: 4.81s
207:	learn: 1.6666858	total: 1.26s	remaining: 4.8s
208:	learn: 1.6601952	total: 1.27s	remaining: 4.79s
209:	learn: 1.6539736	total: 1.27s	remaining: 4.78s
210:	learn: 1.6489021	total: 1.27s	remaining: 4.77s
211:	learn: 1.6421918	total: 1.28s	remaining: 4.76s
212:	learn: 1.6366804	total: 1.29s	remaining: 4.75s
213:	learn: 1.6307501	total: 1.29s	remaining: 4.74s

214:	learn: 1.6239208	total: 1.3s	remaining: 4.74s
215:	learn: 1.6179913	total: 1.3s	remaining: 4.73s
216:	learn: 1.6113571	total: 1.31s	remaining: 4.73s
217:	learn: 1.6053058	total: 1.31s	remaining: 4.72s
218:	learn: 1.5993659	total: 1.32s	remaining: 4.71s
219:	learn: 1.5958057	total: 1.33s	remaining: 4.71s
220:	learn: 1.5917243	total: 1.33s	remaining: 4.7s
221:	learn: 1.5830842	total: 1.34s	remaining: 4.69s
222:	learn: 1.5774225	total: 1.35s	remaining: 4.71s
223:	learn: 1.5719180	total: 1.36s	remaining: 4.72s
224:	learn: 1.5681130	total: 1.37s	remaining: 4.71s
225:	learn: 1.5637189	total: 1.37s	remaining: 4.71s
226:	learn: 1.5584812	total: 1.38s	remaining: 4.7s
227:	learn: 1.5542104	total: 1.38s	remaining: 4.69s
228:	learn: 1.5470094	total: 1.39s	remaining: 4.68s
229:	learn: 1.5412127	total: 1.39s	remaining: 4.67s
230:	learn: 1.5330250	total: 1.4s	remaining: 4.66s
231:	learn: 1.5246770	total: 1.41s	remaining: 4.65s
232:	learn: 1.5160816	total: 1.41s	remaining: 4.64s
233:	learn: 1.5107277	total: 1.41s	remaining: 4.63s
234:	learn: 1.5038526	total: 1.42s	remaining: 4.62s
235:	learn: 1.5001836	total: 1.42s	remaining: 4.61s
236:	learn: 1.4953844	total: 1.43s	remaining: 4.6s
237:	learn: 1.4908258	total: 1.43s	remaining: 4.59s
238:	learn: 1.4868751	total: 1.44s	remaining: 4.58s
239:	learn: 1.4815857	total: 1.44s	remaining: 4.57s
240:	learn: 1.4769378	total: 1.45s	remaining: 4.57s
241:	learn: 1.4739509	total: 1.46s	remaining: 4.57s
242:	learn: 1.4674228	total: 1.46s	remaining: 4.56s
243:	learn: 1.4599447	total: 1.47s	remaining: 4.56s
244:	learn: 1.4526814	total: 1.48s	remaining: 4.55s
245:	learn: 1.4473943	total: 1.48s	remaining: 4.55s
246:	learn: 1.4442390	total: 1.49s	remaining: 4.55s
247:	learn: 1.4381343	total: 1.5s	remaining: 4.53s
248:	learn: 1.4341691	total: 1.5s	remaining: 4.53s
249:	learn: 1.4315612	total: 1.51s	remaining: 4.52s
250:	learn: 1.4269373	total: 1.51s	remaining: 4.51s
251:	learn: 1.4240241	total: 1.52s	remaining: 4.5s
252:	learn: 1.4221121	total: 1.52s	remaining: 4.49s
253:	learn: 1.4177943	total: 1.53s	remaining: 4.49s
254:	learn: 1.4146473	total: 1.53s	remaining: 4.48s
255:	learn: 1.4109214	total: 1.54s	remaining: 4.47s
256:	learn: 1.4046618	total: 1.54s	remaining: 4.47s
257:	learn: 1.3996945	total: 1.55s	remaining: 4.46s
258:	learn: 1.3948243	total: 1.56s	remaining: 4.46s
259:	learn: 1.3890754	total: 1.56s	remaining: 4.45s
260:	learn: 1.3833131	total: 1.57s	remaining: 4.45s
261:	learn: 1.3793737	total: 1.58s	remaining: 4.44s
262:	learn: 1.3744146	total: 1.58s	remaining: 4.44s
263:	learn: 1.3699903	total: 1.59s	remaining: 4.44s
264:	learn: 1.3650861	total: 1.6s	remaining: 4.44s
265:	learn: 1.3598368	total: 1.61s	remaining: 4.43s
266:	learn: 1.3550939	total: 1.61s	remaining: 4.43s
267:	learn: 1.3524013	total: 1.62s	remaining: 4.43s
268:	learn: 1.3482247	total: 1.63s	remaining: 4.42s
269:	learn: 1.3417291	total: 1.64s	remaining: 4.42s
270:	learn: 1.3382441	total: 1.64s	remaining: 4.42s
271:	learn: 1.3353829	total: 1.65s	remaining: 4.42s
272:	learn: 1.3317588	total: 1.66s	remaining: 4.42s
273:	learn: 1.3278873	total: 1.67s	remaining: 4.42s

274:	learn: 1.3238212	total: 1.67s	remaining: 4.41s
275:	learn: 1.3207516	total: 1.68s	remaining: 4.41s
276:	learn: 1.3174951	total: 1.69s	remaining: 4.4s
277:	learn: 1.3134049	total: 1.69s	remaining: 4.4s
278:	learn: 1.3098206	total: 1.7s	remaining: 4.4s
279:	learn: 1.3056739	total: 1.71s	remaining: 4.39s
280:	learn: 1.2998636	total: 1.71s	remaining: 4.38s
281:	learn: 1.2957728	total: 1.72s	remaining: 4.38s
282:	learn: 1.2914106	total: 1.73s	remaining: 4.38s
283:	learn: 1.2895008	total: 1.74s	remaining: 4.38s
284:	learn: 1.2850578	total: 1.74s	remaining: 4.37s
285:	learn: 1.2801479	total: 1.75s	remaining: 4.37s
286:	learn: 1.2773932	total: 1.76s	remaining: 4.37s
287:	learn: 1.2745025	total: 1.76s	remaining: 4.36s
288:	learn: 1.2710362	total: 1.77s	remaining: 4.36s
289:	learn: 1.2660788	total: 1.77s	remaining: 4.35s
290:	learn: 1.2630687	total: 1.78s	remaining: 4.34s
291:	learn: 1.2607318	total: 1.78s	remaining: 4.33s
292:	learn: 1.2585317	total: 1.79s	remaining: 4.32s
293:	learn: 1.2546624	total: 1.8s	remaining: 4.32s
294:	learn: 1.2533682	total: 1.8s	remaining: 4.31s
295:	learn: 1.2511101	total: 1.81s	remaining: 4.3s
296:	learn: 1.2470701	total: 1.81s	remaining: 4.29s
297:	learn: 1.2433379	total: 1.82s	remaining: 4.28s
298:	learn: 1.2401893	total: 1.82s	remaining: 4.27s
299:	learn: 1.2362797	total: 1.83s	remaining: 4.27s
300:	learn: 1.2327090	total: 1.83s	remaining: 4.25s
301:	learn: 1.2287264	total: 1.84s	remaining: 4.25s
302:	learn: 1.2239168	total: 1.84s	remaining: 4.24s
303:	learn: 1.2220151	total: 1.86s	remaining: 4.26s
304:	learn: 1.2180732	total: 1.86s	remaining: 4.25s
305:	learn: 1.2133352	total: 1.87s	remaining: 4.24s
306:	learn: 1.2103980	total: 1.88s	remaining: 4.24s
307:	learn: 1.2067404	total: 1.88s	remaining: 4.23s
308:	learn: 1.2031112	total: 1.89s	remaining: 4.22s
309:	learn: 1.1993918	total: 1.89s	remaining: 4.21s
310:	learn: 1.1966883	total: 1.9s	remaining: 4.21s
311:	learn: 1.1933750	total: 1.9s	remaining: 4.19s
312:	learn: 1.1915083	total: 1.91s	remaining: 4.19s
313:	learn: 1.1896272	total: 1.91s	remaining: 4.18s
314:	learn: 1.1860700	total: 1.92s	remaining: 4.17s
315:	learn: 1.1818315	total: 1.92s	remaining: 4.16s
316:	learn: 1.1787415	total: 1.93s	remaining: 4.15s
317:	learn: 1.1751003	total: 1.93s	remaining: 4.14s
318:	learn: 1.1722209	total: 1.94s	remaining: 4.14s
319:	learn: 1.1691479	total: 1.94s	remaining: 4.13s
320:	learn: 1.1662560	total: 1.95s	remaining: 4.12s
321:	learn: 1.1630701	total: 1.95s	remaining: 4.11s
322:	learn: 1.1598775	total: 1.96s	remaining: 4.11s
323:	learn: 1.1583228	total: 1.96s	remaining: 4.1s
324:	learn: 1.1556380	total: 1.97s	remaining: 4.09s
325:	learn: 1.1509625	total: 1.97s	remaining: 4.08s
326:	learn: 1.1466389	total: 1.98s	remaining: 4.07s
327:	learn: 1.1445190	total: 1.98s	remaining: 4.06s
328:	learn: 1.1419733	total: 1.99s	remaining: 4.06s
329:	learn: 1.1389884	total: 1.99s	remaining: 4.05s
330:	learn: 1.1370127	total: 2s	remaining: 4.04s
331:	learn: 1.1337971	total: 2s	remaining: 4.04s
332:	learn: 1.1317504	total: 2.01s	remaining: 4.03s
333:	learn: 1.1304021	total: 2.01s	remaining: 4.02s

334:	learn: 1.1282858	total: 2.02s	remaining: 4.01s
335:	learn: 1.1264511	total: 2.03s	remaining: 4.01s
336:	learn: 1.1237424	total: 2.04s	remaining: 4s
337:	learn: 1.1221107	total: 2.04s	remaining: 4s
338:	learn: 1.1195374	total: 2.05s	remaining: 4s
339:	learn: 1.1162775	total: 2.05s	remaining: 3.99s
340:	learn: 1.1134359	total: 2.06s	remaining: 3.98s
341:	learn: 1.1106233	total: 2.07s	remaining: 3.98s
342:	learn: 1.1075726	total: 2.08s	remaining: 3.98s
343:	learn: 1.1055027	total: 2.08s	remaining: 3.97s
344:	learn: 1.1035450	total: 2.09s	remaining: 3.97s
345:	learn: 1.1016413	total: 2.1s	remaining: 3.96s
346:	learn: 1.0991176	total: 2.1s	remaining: 3.96s
347:	learn: 1.0973552	total: 2.11s	remaining: 3.95s
348:	learn: 1.0950337	total: 2.12s	remaining: 3.95s
349:	learn: 1.0928342	total: 2.12s	remaining: 3.94s
350:	learn: 1.0893809	total: 2.13s	remaining: 3.93s
351:	learn: 1.0877767	total: 2.13s	remaining: 3.92s
352:	learn: 1.0847956	total: 2.13s	remaining: 3.91s
353:	learn: 1.0807067	total: 2.14s	remaining: 3.9s
354:	learn: 1.0783520	total: 2.15s	remaining: 3.9s
355:	learn: 1.0756050	total: 2.15s	remaining: 3.89s
356:	learn: 1.0728807	total: 2.15s	remaining: 3.88s
357:	learn: 1.0702371	total: 2.16s	remaining: 3.88s
358:	learn: 1.0675282	total: 2.17s	remaining: 3.87s
359:	learn: 1.0643898	total: 2.17s	remaining: 3.86s
360:	learn: 1.0624404	total: 2.18s	remaining: 3.85s
361:	learn: 1.0601799	total: 2.18s	remaining: 3.85s
362:	learn: 1.0576961	total: 2.19s	remaining: 3.84s
363:	learn: 1.0543710	total: 2.19s	remaining: 3.83s
364:	learn: 1.0519900	total: 2.2s	remaining: 3.82s
365:	learn: 1.0490210	total: 2.2s	remaining: 3.82s
366:	learn: 1.0471312	total: 2.21s	remaining: 3.81s
367:	learn: 1.0448318	total: 2.21s	remaining: 3.8s
368:	learn: 1.0429608	total: 2.22s	remaining: 3.79s
369:	learn: 1.0399902	total: 2.23s	remaining: 3.79s
370:	learn: 1.0363093	total: 2.23s	remaining: 3.78s
371:	learn: 1.0338414	total: 2.24s	remaining: 3.77s
372:	learn: 1.0327109	total: 2.24s	remaining: 3.77s
373:	learn: 1.0301843	total: 2.25s	remaining: 3.76s
374:	learn: 1.0284106	total: 2.25s	remaining: 3.75s
375:	learn: 1.0262678	total: 2.26s	remaining: 3.74s
376:	learn: 1.0224413	total: 2.26s	remaining: 3.74s
377:	learn: 1.0208505	total: 2.27s	remaining: 3.73s
378:	learn: 1.0189160	total: 2.27s	remaining: 3.72s
379:	learn: 1.0170455	total: 2.28s	remaining: 3.71s
380:	learn: 1.0151129	total: 2.28s	remaining: 3.71s
381:	learn: 1.0129034	total: 2.29s	remaining: 3.7s
382:	learn: 1.0106764	total: 2.29s	remaining: 3.69s
383:	learn: 1.0091043	total: 2.29s	remaining: 3.68s
384:	learn: 1.0069160	total: 2.3s	remaining: 3.68s
385:	learn: 1.0046916	total: 2.31s	remaining: 3.67s
386:	learn: 1.0023226	total: 2.31s	remaining: 3.66s
387:	learn: 1.0013230	total: 2.32s	remaining: 3.65s
388:	learn: 0.9990717	total: 2.32s	remaining: 3.65s
389:	learn: 0.9970469	total: 2.33s	remaining: 3.64s
390:	learn: 0.9955974	total: 2.33s	remaining: 3.63s
391:	learn: 0.9936382	total: 2.34s	remaining: 3.62s
392:	learn: 0.9920501	total: 2.34s	remaining: 3.62s
393:	learn: 0.9909348	total: 2.35s	remaining: 3.61s

394:	learn: 0.9887090	total: 2.35s	remaining: 3.6s
395:	learn: 0.9874334	total: 2.35s	remaining: 3.59s
396:	learn: 0.9859808	total: 2.36s	remaining: 3.59s
397:	learn: 0.9838266	total: 2.37s	remaining: 3.58s
398:	learn: 0.9824117	total: 2.38s	remaining: 3.58s
399:	learn: 0.9811453	total: 2.38s	remaining: 3.57s
400:	learn: 0.9794635	total: 2.39s	remaining: 3.57s
401:	learn: 0.9773489	total: 2.4s	remaining: 3.56s
402:	learn: 0.9757727	total: 2.4s	remaining: 3.56s
403:	learn: 0.9735501	total: 2.41s	remaining: 3.56s
404:	learn: 0.9722809	total: 2.42s	remaining: 3.55s
405:	learn: 0.9704239	total: 2.42s	remaining: 3.54s
406:	learn: 0.9694639	total: 2.43s	remaining: 3.54s
407:	learn: 0.9678898	total: 2.44s	remaining: 3.53s
408:	learn: 0.9658994	total: 2.44s	remaining: 3.53s
409:	learn: 0.9647287	total: 2.45s	remaining: 3.52s
410:	learn: 0.9634917	total: 2.45s	remaining: 3.51s
411:	learn: 0.9614724	total: 2.46s	remaining: 3.51s
412:	learn: 0.9598731	total: 2.46s	remaining: 3.5s
413:	learn: 0.9580061	total: 2.47s	remaining: 3.5s
414:	learn: 0.9562242	total: 2.48s	remaining: 3.49s
415:	learn: 0.9551332	total: 2.48s	remaining: 3.48s
416:	learn: 0.9533060	total: 2.49s	remaining: 3.48s
417:	learn: 0.9520792	total: 2.49s	remaining: 3.47s
418:	learn: 0.9504114	total: 2.5s	remaining: 3.46s
419:	learn: 0.9484372	total: 2.51s	remaining: 3.46s
420:	learn: 0.9474628	total: 2.51s	remaining: 3.46s
421:	learn: 0.9456959	total: 2.52s	remaining: 3.45s
422:	learn: 0.9441630	total: 2.53s	remaining: 3.45s
423:	learn: 0.9420587	total: 2.53s	remaining: 3.44s
424:	learn: 0.9398488	total: 2.54s	remaining: 3.44s
425:	learn: 0.9387743	total: 2.55s	remaining: 3.44s
426:	learn: 0.9375092	total: 2.56s	remaining: 3.43s
427:	learn: 0.9357378	total: 2.56s	remaining: 3.43s
428:	learn: 0.9339890	total: 2.57s	remaining: 3.42s
429:	learn: 0.9320556	total: 2.58s	remaining: 3.42s
430:	learn: 0.9306144	total: 2.58s	remaining: 3.41s
431:	learn: 0.9290046	total: 2.59s	remaining: 3.41s
432:	learn: 0.9272658	total: 2.6s	remaining: 3.4s
433:	learn: 0.9258588	total: 2.6s	remaining: 3.39s
434:	learn: 0.9243769	total: 2.61s	remaining: 3.39s
435:	learn: 0.9231093	total: 2.61s	remaining: 3.38s
436:	learn: 0.9214359	total: 2.62s	remaining: 3.37s
437:	learn: 0.9194391	total: 2.62s	remaining: 3.37s
438:	learn: 0.9174097	total: 2.63s	remaining: 3.36s
439:	learn: 0.9156969	total: 2.63s	remaining: 3.35s
440:	learn: 0.9141498	total: 2.64s	remaining: 3.35s
441:	learn: 0.9111082	total: 2.65s	remaining: 3.35s
442:	learn: 0.9091201	total: 2.66s	remaining: 3.34s
443:	learn: 0.9072615	total: 2.66s	remaining: 3.34s
444:	learn: 0.9060862	total: 2.67s	remaining: 3.33s
445:	learn: 0.9048604	total: 2.68s	remaining: 3.33s
446:	learn: 0.9032829	total: 2.69s	remaining: 3.32s
447:	learn: 0.9016132	total: 2.69s	remaining: 3.32s
448:	learn: 0.9003035	total: 2.7s	remaining: 3.31s
449:	learn: 0.8985882	total: 2.71s	remaining: 3.31s
450:	learn: 0.8977158	total: 2.71s	remaining: 3.3s
451:	learn: 0.8957754	total: 2.72s	remaining: 3.3s
452:	learn: 0.8943908	total: 2.73s	remaining: 3.3s
453:	learn: 0.8928315	total: 2.74s	remaining: 3.29s

454:	learn: 0.8909978	total: 2.75s	remaining: 3.29s
455:	learn: 0.8894524	total: 2.75s	remaining: 3.28s
456:	learn: 0.8874145	total: 2.76s	remaining: 3.28s
457:	learn: 0.8864710	total: 2.77s	remaining: 3.27s
458:	learn: 0.8853376	total: 2.77s	remaining: 3.27s
459:	learn: 0.8839517	total: 2.78s	remaining: 3.27s
460:	learn: 0.8823449	total: 2.79s	remaining: 3.26s
461:	learn: 0.8807556	total: 2.8s	remaining: 3.26s
462:	learn: 0.8797259	total: 2.8s	remaining: 3.25s
463:	learn: 0.8790277	total: 2.81s	remaining: 3.25s
464:	learn: 0.8774410	total: 2.82s	remaining: 3.24s
465:	learn: 0.8760297	total: 2.83s	remaining: 3.24s
466:	learn: 0.8739186	total: 2.83s	remaining: 3.23s
467:	learn: 0.8727089	total: 2.84s	remaining: 3.23s
468:	learn: 0.8708090	total: 2.84s	remaining: 3.22s
469:	learn: 0.8695054	total: 2.85s	remaining: 3.22s
470:	learn: 0.8677853	total: 2.86s	remaining: 3.21s
471:	learn: 0.8652248	total: 2.87s	remaining: 3.21s
472:	learn: 0.8641695	total: 2.87s	remaining: 3.2s
473:	learn: 0.8629471	total: 2.88s	remaining: 3.2s
474:	learn: 0.8617428	total: 2.89s	remaining: 3.19s
475:	learn: 0.8605241	total: 2.9s	remaining: 3.19s
476:	learn: 0.8590010	total: 2.9s	remaining: 3.18s
477:	learn: 0.8570546	total: 2.91s	remaining: 3.17s
478:	learn: 0.8555113	total: 2.91s	remaining: 3.17s
479:	learn: 0.8544042	total: 2.92s	remaining: 3.16s
480:	learn: 0.8536584	total: 2.92s	remaining: 3.15s
481:	learn: 0.8524197	total: 2.93s	remaining: 3.15s
482:	learn: 0.8509306	total: 2.94s	remaining: 3.14s
483:	learn: 0.8491724	total: 2.94s	remaining: 3.14s
484:	learn: 0.8480406	total: 2.95s	remaining: 3.13s
485:	learn: 0.8465708	total: 2.96s	remaining: 3.13s
486:	learn: 0.8447574	total: 2.96s	remaining: 3.12s
487:	learn: 0.8435834	total: 2.97s	remaining: 3.12s
488:	learn: 0.8418140	total: 2.98s	remaining: 3.11s
489:	learn: 0.8405377	total: 2.98s	remaining: 3.1s
490:	learn: 0.8393019	total: 2.99s	remaining: 3.1s
491:	learn: 0.8384780	total: 3s	remaining: 3.09s
492:	learn: 0.8373984	total: 3s	remaining: 3.09s
493:	learn: 0.8365323	total: 3.01s	remaining: 3.08s
494:	learn: 0.8354854	total: 3.02s	remaining: 3.08s
495:	learn: 0.8342422	total: 3.02s	remaining: 3.07s
496:	learn: 0.8328433	total: 3.03s	remaining: 3.07s
497:	learn: 0.8319524	total: 3.04s	remaining: 3.06s
498:	learn: 0.8309052	total: 3.04s	remaining: 3.06s
499:	learn: 0.8291812	total: 3.05s	remaining: 3.05s
500:	learn: 0.8282350	total: 3.06s	remaining: 3.05s
501:	learn: 0.8270402	total: 3.06s	remaining: 3.04s
502:	learn: 0.8259735	total: 3.07s	remaining: 3.04s
503:	learn: 0.8251887	total: 3.08s	remaining: 3.03s
504:	learn: 0.8237418	total: 3.09s	remaining: 3.02s
505:	learn: 0.8226873	total: 3.09s	remaining: 3.02s
506:	learn: 0.8222757	total: 3.1s	remaining: 3.01s
507:	learn: 0.8212314	total: 3.11s	remaining: 3.01s
508:	learn: 0.8203480	total: 3.11s	remaining: 3s
509:	learn: 0.8192654	total: 3.12s	remaining: 3s
510:	learn: 0.8185191	total: 3.13s	remaining: 2.99s
511:	learn: 0.8175108	total: 3.14s	remaining: 2.99s
512:	learn: 0.8168720	total: 3.14s	remaining: 2.98s
513:	learn: 0.8158939	total: 3.15s	remaining: 2.98s

514:	learn: 0.8150961	total: 3.16s	remaining: 2.97s
515:	learn: 0.8141645	total: 3.16s	remaining: 2.97s
516:	learn: 0.8129768	total: 3.17s	remaining: 2.96s
517:	learn: 0.8117655	total: 3.18s	remaining: 2.96s
518:	learn: 0.8104510	total: 3.18s	remaining: 2.95s
519:	learn: 0.8096839	total: 3.19s	remaining: 2.95s
520:	learn: 0.8090269	total: 3.2s	remaining: 2.94s
521:	learn: 0.8086312	total: 3.21s	remaining: 2.94s
522:	learn: 0.8078255	total: 3.21s	remaining: 2.93s
523:	learn: 0.8065911	total: 3.22s	remaining: 2.92s
524:	learn: 0.8064094	total: 3.23s	remaining: 2.92s
525:	learn: 0.8053763	total: 3.23s	remaining: 2.91s
526:	learn: 0.8037891	total: 3.24s	remaining: 2.91s
527:	learn: 0.8027731	total: 3.25s	remaining: 2.9s
528:	learn: 0.8016900	total: 3.25s	remaining: 2.9s
529:	learn: 0.8003982	total: 3.26s	remaining: 2.89s
530:	learn: 0.7998793	total: 3.26s	remaining: 2.88s
531:	learn: 0.7987272	total: 3.27s	remaining: 2.87s
532:	learn: 0.7979023	total: 3.27s	remaining: 2.87s
533:	learn: 0.7972697	total: 3.27s	remaining: 2.86s
534:	learn: 0.7967493	total: 3.28s	remaining: 2.85s
535:	learn: 0.7956169	total: 3.28s	remaining: 2.84s
536:	learn: 0.7945046	total: 3.29s	remaining: 2.83s
537:	learn: 0.7925829	total: 3.29s	remaining: 2.82s
538:	learn: 0.7909683	total: 3.29s	remaining: 2.82s
539:	learn: 0.7898236	total: 3.3s	remaining: 2.81s
540:	learn: 0.7886266	total: 3.3s	remaining: 2.8s
541:	learn: 0.7870754	total: 3.31s	remaining: 2.8s
542:	learn: 0.7854108	total: 3.32s	remaining: 2.79s
543:	learn: 0.7849344	total: 3.33s	remaining: 2.79s
544:	learn: 0.7830154	total: 3.33s	remaining: 2.78s
545:	learn: 0.7824510	total: 3.34s	remaining: 2.78s
546:	learn: 0.7817498	total: 3.34s	remaining: 2.77s
547:	learn: 0.7807137	total: 3.35s	remaining: 2.76s
548:	learn: 0.7793800	total: 3.36s	remaining: 2.76s
549:	learn: 0.7783477	total: 3.37s	remaining: 2.75s
550:	learn: 0.7773003	total: 3.37s	remaining: 2.75s
551:	learn: 0.7769663	total: 3.38s	remaining: 2.74s
552:	learn: 0.7760160	total: 3.38s	remaining: 2.73s
553:	learn: 0.7747317	total: 3.39s	remaining: 2.73s
554:	learn: 0.7734588	total: 3.4s	remaining: 2.72s
555:	learn: 0.7723459	total: 3.4s	remaining: 2.72s
556:	learn: 0.7701682	total: 3.41s	remaining: 2.71s
557:	learn: 0.7692006	total: 3.41s	remaining: 2.7s
558:	learn: 0.7683420	total: 3.42s	remaining: 2.7s
559:	learn: 0.7673387	total: 3.42s	remaining: 2.69s
560:	learn: 0.7666286	total: 3.43s	remaining: 2.69s
561:	learn: 0.7654716	total: 3.44s	remaining: 2.68s
562:	learn: 0.7644713	total: 3.44s	remaining: 2.67s
563:	learn: 0.7626429	total: 3.45s	remaining: 2.67s
564:	learn: 0.7614001	total: 3.46s	remaining: 2.66s
565:	learn: 0.7606264	total: 3.46s	remaining: 2.65s
566:	learn: 0.7598368	total: 3.47s	remaining: 2.65s
567:	learn: 0.7591664	total: 3.48s	remaining: 2.64s
568:	learn: 0.7577331	total: 3.48s	remaining: 2.64s
569:	learn: 0.7568658	total: 3.49s	remaining: 2.63s
570:	learn: 0.7555871	total: 3.5s	remaining: 2.63s
571:	learn: 0.7544217	total: 3.51s	remaining: 2.62s
572:	learn: 0.7540364	total: 3.51s	remaining: 2.62s
573:	learn: 0.7534452	total: 3.52s	remaining: 2.61s

574:	learn: 0.7523064	total: 3.53s	remaining: 2.61s
575:	learn: 0.7515227	total: 3.54s	remaining: 2.6s
576:	learn: 0.7509570	total: 3.54s	remaining: 2.6s
577:	learn: 0.7497943	total: 3.55s	remaining: 2.59s
578:	learn: 0.7493509	total: 3.56s	remaining: 2.59s
579:	learn: 0.7488139	total: 3.56s	remaining: 2.58s
580:	learn: 0.7478642	total: 3.57s	remaining: 2.58s
581:	learn: 0.7468528	total: 3.58s	remaining: 2.57s
582:	learn: 0.7460009	total: 3.58s	remaining: 2.56s
583:	learn: 0.7450919	total: 3.59s	remaining: 2.56s
584:	learn: 0.7444893	total: 3.6s	remaining: 2.55s
585:	learn: 0.7430725	total: 3.6s	remaining: 2.55s
586:	learn: 0.7422272	total: 3.61s	remaining: 2.54s
587:	learn: 0.7408369	total: 3.62s	remaining: 2.54s
588:	learn: 0.7399627	total: 3.63s	remaining: 2.53s
589:	learn: 0.7389306	total: 3.63s	remaining: 2.52s
590:	learn: 0.7387487	total: 3.64s	remaining: 2.52s
591:	learn: 0.7378206	total: 3.65s	remaining: 2.51s
592:	learn: 0.7367618	total: 3.65s	remaining: 2.51s
593:	learn: 0.7349990	total: 3.66s	remaining: 2.5s
594:	learn: 0.7338040	total: 3.67s	remaining: 2.5s
595:	learn: 0.7325606	total: 3.67s	remaining: 2.49s
596:	learn: 0.7318337	total: 3.68s	remaining: 2.48s
597:	learn: 0.7312383	total: 3.69s	remaining: 2.48s
598:	learn: 0.7302659	total: 3.7s	remaining: 2.47s
599:	learn: 0.7292259	total: 3.7s	remaining: 2.47s
600:	learn: 0.7287945	total: 3.71s	remaining: 2.46s
601:	learn: 0.7282649	total: 3.72s	remaining: 2.46s
602:	learn: 0.7274044	total: 3.72s	remaining: 2.45s
603:	learn: 0.7266161	total: 3.73s	remaining: 2.45s
604:	learn: 0.7246091	total: 3.74s	remaining: 2.44s
605:	learn: 0.7238916	total: 3.75s	remaining: 2.44s
606:	learn: 0.7223539	total: 3.75s	remaining: 2.43s
607:	learn: 0.7211944	total: 3.76s	remaining: 2.42s
608:	learn: 0.7203360	total: 3.77s	remaining: 2.42s
609:	learn: 0.7189844	total: 3.77s	remaining: 2.41s
610:	learn: 0.7182777	total: 3.78s	remaining: 2.41s
611:	learn: 0.7177750	total: 3.79s	remaining: 2.4s
612:	learn: 0.7168566	total: 3.79s	remaining: 2.4s
613:	learn: 0.7157758	total: 3.8s	remaining: 2.39s
614:	learn: 0.7150182	total: 3.8s	remaining: 2.38s
615:	learn: 0.7145708	total: 3.81s	remaining: 2.37s
616:	learn: 0.7137909	total: 3.81s	remaining: 2.37s
617:	learn: 0.7131062	total: 3.82s	remaining: 2.36s
618:	learn: 0.7125252	total: 3.82s	remaining: 2.35s
619:	learn: 0.7112390	total: 3.83s	remaining: 2.35s
620:	learn: 0.7099745	total: 3.83s	remaining: 2.34s
621:	learn: 0.7090065	total: 3.83s	remaining: 2.33s
622:	learn: 0.7084658	total: 3.84s	remaining: 2.33s
623:	learn: 0.7075461	total: 3.85s	remaining: 2.32s
624:	learn: 0.7063373	total: 3.85s	remaining: 2.31s
625:	learn: 0.7056953	total: 3.85s	remaining: 2.3s
626:	learn: 0.7050724	total: 3.86s	remaining: 2.29s
627:	learn: 0.7039474	total: 3.86s	remaining: 2.29s
628:	learn: 0.7034130	total: 3.87s	remaining: 2.28s
629:	learn: 0.7028336	total: 3.87s	remaining: 2.27s
630:	learn: 0.7019646	total: 3.88s	remaining: 2.27s
631:	learn: 0.7011066	total: 3.88s	remaining: 2.26s
632:	learn: 0.7004426	total: 3.89s	remaining: 2.25s
633:	learn: 0.6991608	total: 3.89s	remaining: 2.25s

634:	learn: 0.6986333	total: 3.9s	remaining: 2.24s
635:	learn: 0.6979663	total: 3.9s	remaining: 2.23s
636:	learn: 0.6973817	total: 3.91s	remaining: 2.23s
637:	learn: 0.6964398	total: 3.91s	remaining: 2.22s
638:	learn: 0.6957499	total: 3.92s	remaining: 2.21s
639:	learn: 0.6950672	total: 3.92s	remaining: 2.21s
640:	learn: 0.6941491	total: 3.93s	remaining: 2.2s
641:	learn: 0.6930542	total: 3.93s	remaining: 2.19s
642:	learn: 0.6920568	total: 3.94s	remaining: 2.19s
643:	learn: 0.6913736	total: 3.95s	remaining: 2.18s
644:	learn: 0.6906830	total: 3.95s	remaining: 2.17s
645:	learn: 0.6897672	total: 3.96s	remaining: 2.17s
646:	learn: 0.6890291	total: 3.96s	remaining: 2.16s
647:	learn: 0.6880969	total: 3.97s	remaining: 2.15s
648:	learn: 0.6875082	total: 3.97s	remaining: 2.15s
649:	learn: 0.6865473	total: 3.98s	remaining: 2.14s
650:	learn: 0.6860380	total: 3.99s	remaining: 2.14s
651:	learn: 0.6851706	total: 3.99s	remaining: 2.13s
652:	learn: 0.6847365	total: 4s	remaining: 2.13s
653:	learn: 0.6840327	total: 4.01s	remaining: 2.12s
654:	learn: 0.6834323	total: 4.01s	remaining: 2.12s
655:	learn: 0.6828453	total: 4.02s	remaining: 2.11s
656:	learn: 0.6821447	total: 4.03s	remaining: 2.1s
657:	learn: 0.6813940	total: 4.03s	remaining: 2.1s
658:	learn: 0.6808092	total: 4.04s	remaining: 2.09s
659:	learn: 0.6802582	total: 4.04s	remaining: 2.08s
660:	learn: 0.6791787	total: 4.05s	remaining: 2.08s
661:	learn: 0.6783639	total: 4.06s	remaining: 2.07s
662:	learn: 0.6776509	total: 4.06s	remaining: 2.06s
663:	learn: 0.6773259	total: 4.07s	remaining: 2.06s
664:	learn: 0.6763982	total: 4.07s	remaining: 2.05s
665:	learn: 0.6757857	total: 4.08s	remaining: 2.04s
666:	learn: 0.6753215	total: 4.08s	remaining: 2.04s
667:	learn: 0.6747516	total: 4.08s	remaining: 2.03s
668:	learn: 0.6739952	total: 4.09s	remaining: 2.02s
669:	learn: 0.6730989	total: 4.09s	remaining: 2.02s
670:	learn: 0.6725130	total: 4.1s	remaining: 2.01s
671:	learn: 0.6721318	total: 4.1s	remaining: 2s
672:	learn: 0.6717635	total: 4.11s	remaining: 2s
673:	learn: 0.6711331	total: 4.12s	remaining: 1.99s
674:	learn: 0.6707285	total: 4.12s	remaining: 1.98s
675:	learn: 0.6704689	total: 4.13s	remaining: 1.98s
676:	learn: 0.6702799	total: 4.13s	remaining: 1.97s
677:	learn: 0.6699119	total: 4.14s	remaining: 1.97s
678:	learn: 0.6686091	total: 4.15s	remaining: 1.96s
679:	learn: 0.6681290	total: 4.16s	remaining: 1.96s
680:	learn: 0.6672511	total: 4.16s	remaining: 1.95s
681:	learn: 0.6664614	total: 4.17s	remaining: 1.94s
682:	learn: 0.6654842	total: 4.18s	remaining: 1.94s
683:	learn: 0.6647271	total: 4.18s	remaining: 1.93s
684:	learn: 0.6644661	total: 4.19s	remaining: 1.93s
685:	learn: 0.6639785	total: 4.2s	remaining: 1.92s
686:	learn: 0.6632755	total: 4.21s	remaining: 1.92s
687:	learn: 0.6624818	total: 4.21s	remaining: 1.91s
688:	learn: 0.6621210	total: 4.22s	remaining: 1.9s
689:	learn: 0.6616097	total: 4.23s	remaining: 1.9s
690:	learn: 0.6611972	total: 4.23s	remaining: 1.89s
691:	learn: 0.6601681	total: 4.24s	remaining: 1.89s
692:	learn: 0.6594513	total: 4.25s	remaining: 1.88s
693:	learn: 0.6590249	total: 4.25s	remaining: 1.88s

694:	learn: 0.6582704	total: 4.26s	remaining: 1.87s
695:	learn: 0.6578752	total: 4.27s	remaining: 1.86s
696:	learn: 0.6572789	total: 4.28s	remaining: 1.86s
697:	learn: 0.6565529	total: 4.29s	remaining: 1.85s
698:	learn: 0.6555105	total: 4.29s	remaining: 1.85s
699:	learn: 0.6552750	total: 4.3s	remaining: 1.84s
700:	learn: 0.6545114	total: 4.31s	remaining: 1.84s
701:	learn: 0.6541441	total: 4.32s	remaining: 1.83s
702:	learn: 0.6534886	total: 4.32s	remaining: 1.83s
703:	learn: 0.6528350	total: 4.33s	remaining: 1.82s
704:	learn: 0.6519943	total: 4.34s	remaining: 1.82s
705:	learn: 0.6513987	total: 4.35s	remaining: 1.81s
706:	learn: 0.6510730	total: 4.35s	remaining: 1.8s
707:	learn: 0.6502971	total: 4.36s	remaining: 1.8s
708:	learn: 0.6499315	total: 4.37s	remaining: 1.79s
709:	learn: 0.6492542	total: 4.37s	remaining: 1.79s
710:	learn: 0.6477650	total: 4.38s	remaining: 1.78s
711:	learn: 0.6475336	total: 4.39s	remaining: 1.77s
712:	learn: 0.6466792	total: 4.39s	remaining: 1.77s
713:	learn: 0.6462776	total: 4.4s	remaining: 1.76s
714:	learn: 0.6454842	total: 4.41s	remaining: 1.75s
715:	learn: 0.6451773	total: 4.41s	remaining: 1.75s
716:	learn: 0.6445516	total: 4.42s	remaining: 1.74s
717:	learn: 0.6440101	total: 4.43s	remaining: 1.74s
718:	learn: 0.6436967	total: 4.43s	remaining: 1.73s
719:	learn: 0.6431600	total: 4.44s	remaining: 1.73s
720:	learn: 0.6427708	total: 4.45s	remaining: 1.72s
721:	learn: 0.6422544	total: 4.46s	remaining: 1.72s
722:	learn: 0.6415291	total: 4.46s	remaining: 1.71s
723:	learn: 0.6407717	total: 4.47s	remaining: 1.7s
724:	learn: 0.6397692	total: 4.48s	remaining: 1.7s
725:	learn: 0.6388763	total: 4.49s	remaining: 1.69s
726:	learn: 0.6376243	total: 4.49s	remaining: 1.69s
727:	learn: 0.6370393	total: 4.5s	remaining: 1.68s
728:	learn: 0.6357041	total: 4.5s	remaining: 1.67s
729:	learn: 0.6348633	total: 4.51s	remaining: 1.67s
730:	learn: 0.6339361	total: 4.52s	remaining: 1.66s
731:	learn: 0.6334552	total: 4.53s	remaining: 1.66s
732:	learn: 0.6327986	total: 4.53s	remaining: 1.65s
733:	learn: 0.6321776	total: 4.54s	remaining: 1.64s
734:	learn: 0.6317847	total: 4.54s	remaining: 1.64s
735:	learn: 0.6315221	total: 4.55s	remaining: 1.63s
736:	learn: 0.6306961	total: 4.56s	remaining: 1.63s
737:	learn: 0.6299223	total: 4.56s	remaining: 1.62s
738:	learn: 0.6292959	total: 4.57s	remaining: 1.61s
739:	learn: 0.6281816	total: 4.58s	remaining: 1.61s
740:	learn: 0.6278540	total: 4.58s	remaining: 1.6s
741:	learn: 0.6272512	total: 4.59s	remaining: 1.6s
742:	learn: 0.6267357	total: 4.6s	remaining: 1.59s
743:	learn: 0.6263509	total: 4.61s	remaining: 1.58s
744:	learn: 0.6257692	total: 4.61s	remaining: 1.58s
745:	learn: 0.6253311	total: 4.62s	remaining: 1.57s
746:	learn: 0.6245174	total: 4.63s	remaining: 1.57s
747:	learn: 0.6240019	total: 4.63s	remaining: 1.56s
748:	learn: 0.6232189	total: 4.64s	remaining: 1.55s
749:	learn: 0.6226766	total: 4.65s	remaining: 1.55s
750:	learn: 0.6222938	total: 4.66s	remaining: 1.54s
751:	learn: 0.6217557	total: 4.66s	remaining: 1.54s
752:	learn: 0.6211196	total: 4.67s	remaining: 1.53s
753:	learn: 0.6203415	total: 4.68s	remaining: 1.52s

754:	learn: 0.6196575	total: 4.68s	remaining: 1.52s
755:	learn: 0.6193641	total: 4.69s	remaining: 1.51s
756:	learn: 0.6188413	total: 4.7s	remaining: 1.51s
757:	learn: 0.6185062	total: 4.7s	remaining: 1.5s
758:	learn: 0.6180573	total: 4.71s	remaining: 1.5s
759:	learn: 0.6177189	total: 4.72s	remaining: 1.49s
760:	learn: 0.6173872	total: 4.72s	remaining: 1.48s
761:	learn: 0.6171269	total: 4.73s	remaining: 1.48s
762:	learn: 0.6168852	total: 4.74s	remaining: 1.47s
763:	learn: 0.6158537	total: 4.74s	remaining: 1.46s
764:	learn: 0.6154324	total: 4.75s	remaining: 1.46s
765:	learn: 0.6148529	total: 4.76s	remaining: 1.45s
766:	learn: 0.6141200	total: 4.76s	remaining: 1.45s
767:	learn: 0.6139339	total: 4.77s	remaining: 1.44s
768:	learn: 0.6136459	total: 4.78s	remaining: 1.44s
769:	learn: 0.6131057	total: 4.78s	remaining: 1.43s
770:	learn: 0.6123314	total: 4.79s	remaining: 1.42s
771:	learn: 0.6113036	total: 4.8s	remaining: 1.42s
772:	learn: 0.6106529	total: 4.81s	remaining: 1.41s
773:	learn: 0.6098308	total: 4.81s	remaining: 1.41s
774:	learn: 0.6094563	total: 4.82s	remaining: 1.4s
775:	learn: 0.6088458	total: 4.83s	remaining: 1.39s
776:	learn: 0.6085745	total: 4.83s	remaining: 1.39s
777:	learn: 0.6081618	total: 4.84s	remaining: 1.38s
778:	learn: 0.6076894	total: 4.85s	remaining: 1.37s
779:	learn: 0.6072610	total: 4.85s	remaining: 1.37s
780:	learn: 0.6062188	total: 4.86s	remaining: 1.36s
781:	learn: 0.6055404	total: 4.87s	remaining: 1.36s
782:	learn: 0.6046863	total: 4.88s	remaining: 1.35s
783:	learn: 0.6043505	total: 4.88s	remaining: 1.34s
784:	learn: 0.6038658	total: 4.89s	remaining: 1.34s
785:	learn: 0.6033010	total: 4.89s	remaining: 1.33s
786:	learn: 0.6027130	total: 4.9s	remaining: 1.32s
787:	learn: 0.6018618	total: 4.9s	remaining: 1.32s
788:	learn: 0.6008823	total: 4.91s	remaining: 1.31s
789:	learn: 0.6002764	total: 4.92s	remaining: 1.31s
790:	learn: 0.5998651	total: 4.92s	remaining: 1.3s
791:	learn: 0.5994325	total: 4.93s	remaining: 1.29s
792:	learn: 0.5988957	total: 4.94s	remaining: 1.29s
793:	learn: 0.5985717	total: 4.94s	remaining: 1.28s
794:	learn: 0.5980953	total: 4.95s	remaining: 1.28s
795:	learn: 0.5974261	total: 4.96s	remaining: 1.27s
796:	learn: 0.5970664	total: 4.96s	remaining: 1.26s
797:	learn: 0.5962725	total: 4.97s	remaining: 1.26s
798:	learn: 0.5959061	total: 4.98s	remaining: 1.25s
799:	learn: 0.5956460	total: 4.98s	remaining: 1.25s
800:	learn: 0.5951288	total: 4.99s	remaining: 1.24s
801:	learn: 0.5946667	total: 5s	remaining: 1.23s
802:	learn: 0.5943234	total: 5s	remaining: 1.23s
803:	learn: 0.5937134	total: 5.01s	remaining: 1.22s
804:	learn: 0.5931827	total: 5.01s	remaining: 1.21s
805:	learn: 0.5926358	total: 5.02s	remaining: 1.21s
806:	learn: 0.5920042	total: 5.02s	remaining: 1.2s
807:	learn: 0.5917240	total: 5.02s	remaining: 1.19s
808:	learn: 0.5912708	total: 5.03s	remaining: 1.19s
809:	learn: 0.5905028	total: 5.03s	remaining: 1.18s
810:	learn: 0.5902428	total: 5.04s	remaining: 1.17s
811:	learn: 0.5899561	total: 5.04s	remaining: 1.17s
812:	learn: 0.5893642	total: 5.05s	remaining: 1.16s
813:	learn: 0.5887629	total: 5.05s	remaining: 1.15s

814:	learn: 0.5884160	total: 5.06s	remaining: 1.15s
815:	learn: 0.5878407	total: 5.07s	remaining: 1.14s
816:	learn: 0.5873776	total: 5.08s	remaining: 1.14s
817:	learn: 0.5868468	total: 5.08s	remaining: 1.13s
818:	learn: 0.5862176	total: 5.09s	remaining: 1.12s
819:	learn: 0.5857413	total: 5.09s	remaining: 1.12s
820:	learn: 0.5851891	total: 5.1s	remaining: 1.11s
821:	learn: 0.5845207	total: 5.11s	remaining: 1.11s
822:	learn: 0.5842979	total: 5.12s	remaining: 1.1s
823:	learn: 0.5839135	total: 5.12s	remaining: 1.09s
824:	learn: 0.5834859	total: 5.13s	remaining: 1.09s
825:	learn: 0.5831329	total: 5.14s	remaining: 1.08s
826:	learn: 0.5826893	total: 5.14s	remaining: 1.07s
827:	learn: 0.5821369	total: 5.14s	remaining: 1.07s
828:	learn: 0.5820187	total: 5.15s	remaining: 1.06s
829:	learn: 0.5816636	total: 5.15s	remaining: 1.05s
830:	learn: 0.5814908	total: 5.16s	remaining: 1.05s
831:	learn: 0.5812069	total: 5.17s	remaining: 1.04s
832:	learn: 0.5809157	total: 5.17s	remaining: 1.04s
833:	learn: 0.5800816	total: 5.18s	remaining: 1.03s
834:	learn: 0.5796385	total: 5.19s	remaining: 1.02s
835:	learn: 0.5791131	total: 5.19s	remaining: 1.02s
836:	learn: 0.5789731	total: 5.2s	remaining: 1.01s
837:	learn: 0.5786090	total: 5.21s	remaining: 1.01s
838:	learn: 0.5783290	total: 5.21s	remaining: 1s
839:	learn: 0.5777353	total: 5.22s	remaining: 995ms
840:	learn: 0.5772303	total: 5.23s	remaining: 989ms
841:	learn: 0.5769274	total: 5.24s	remaining: 983ms
842:	learn: 0.5764829	total: 5.24s	remaining: 977ms
843:	learn: 0.5760505	total: 5.25s	remaining: 971ms
844:	learn: 0.5755881	total: 5.26s	remaining: 964ms
845:	learn: 0.5748140	total: 5.26s	remaining: 958ms
846:	learn: 0.5742349	total: 5.27s	remaining: 952ms
847:	learn: 0.5738172	total: 5.28s	remaining: 946ms
848:	learn: 0.5736379	total: 5.29s	remaining: 940ms
849:	learn: 0.5729832	total: 5.29s	remaining: 934ms
850:	learn: 0.5726559	total: 5.3s	remaining: 928ms
851:	learn: 0.5724828	total: 5.3s	remaining: 922ms
852:	learn: 0.5721511	total: 5.31s	remaining: 916ms
853:	learn: 0.5716843	total: 5.32s	remaining: 909ms
854:	learn: 0.5715269	total: 5.33s	remaining: 903ms
855:	learn: 0.5710649	total: 5.33s	remaining: 897ms
856:	learn: 0.5705966	total: 5.34s	remaining: 891ms
857:	learn: 0.5703617	total: 5.35s	remaining: 885ms
858:	learn: 0.5697162	total: 5.36s	remaining: 879ms
859:	learn: 0.5693185	total: 5.36s	remaining: 873ms
860:	learn: 0.5690138	total: 5.37s	remaining: 867ms
861:	learn: 0.5687433	total: 5.38s	remaining: 861ms
862:	learn: 0.5682393	total: 5.39s	remaining: 855ms
863:	learn: 0.5679666	total: 5.39s	remaining: 849ms
864:	learn: 0.5675499	total: 5.4s	remaining: 842ms
865:	learn: 0.5673186	total: 5.4s	remaining: 836ms
866:	learn: 0.5667487	total: 5.41s	remaining: 830ms
867:	learn: 0.5666430	total: 5.42s	remaining: 824ms
868:	learn: 0.5661740	total: 5.42s	remaining: 817ms
869:	learn: 0.5657413	total: 5.43s	remaining: 811ms
870:	learn: 0.5649612	total: 5.43s	remaining: 805ms
871:	learn: 0.5645519	total: 5.44s	remaining: 799ms
872:	learn: 0.5642880	total: 5.45s	remaining: 793ms
873:	learn: 0.5639788	total: 5.45s	remaining: 786ms

874:	learn: 0.5632838	total: 5.46s	remaining: 780ms
875:	learn: 0.5631120	total: 5.47s	remaining: 774ms
876:	learn: 0.5631023	total: 5.47s	remaining: 768ms
877:	learn: 0.5626357	total: 5.48s	remaining: 762ms
878:	learn: 0.5622864	total: 5.49s	remaining: 755ms
879:	learn: 0.5619015	total: 5.5s	remaining: 749ms
880:	learn: 0.5615397	total: 5.5s	remaining: 743ms
881:	learn: 0.5614452	total: 5.51s	remaining: 737ms
882:	learn: 0.5611244	total: 5.52s	remaining: 731ms
883:	learn: 0.5607843	total: 5.52s	remaining: 725ms
884:	learn: 0.5604071	total: 5.53s	remaining: 719ms
885:	learn: 0.5600124	total: 5.54s	remaining: 713ms
886:	learn: 0.5597729	total: 5.55s	remaining: 707ms
887:	learn: 0.5594340	total: 5.55s	remaining: 700ms
888:	learn: 0.5588966	total: 5.56s	remaining: 694ms
889:	learn: 0.5583676	total: 5.57s	remaining: 688ms
890:	learn: 0.5578987	total: 5.58s	remaining: 682ms
891:	learn: 0.5573057	total: 5.58s	remaining: 676ms
892:	learn: 0.5568500	total: 5.59s	remaining: 670ms
893:	learn: 0.5564416	total: 5.6s	remaining: 664ms
894:	learn: 0.5563470	total: 5.6s	remaining: 657ms
895:	learn: 0.5557121	total: 5.61s	remaining: 651ms
896:	learn: 0.5554705	total: 5.62s	remaining: 645ms
897:	learn: 0.5550664	total: 5.62s	remaining: 639ms
898:	learn: 0.5545662	total: 5.63s	remaining: 633ms
899:	learn: 0.5544784	total: 5.64s	remaining: 626ms
900:	learn: 0.5541793	total: 5.64s	remaining: 620ms
901:	learn: 0.5538326	total: 5.65s	remaining: 614ms
902:	learn: 0.5533674	total: 5.66s	remaining: 608ms
903:	learn: 0.5530762	total: 5.66s	remaining: 601ms
904:	learn: 0.5526872	total: 5.67s	remaining: 595ms
905:	learn: 0.5524395	total: 5.67s	remaining: 588ms
906:	learn: 0.5520514	total: 5.67s	remaining: 582ms
907:	learn: 0.5518817	total: 5.68s	remaining: 576ms
908:	learn: 0.5514940	total: 5.69s	remaining: 569ms
909:	learn: 0.5513131	total: 5.69s	remaining: 563ms
910:	learn: 0.5508413	total: 5.7s	remaining: 557ms
911:	learn: 0.5505171	total: 5.7s	remaining: 550ms
912:	learn: 0.5500936	total: 5.71s	remaining: 544ms
913:	learn: 0.5497946	total: 5.71s	remaining: 538ms
914:	learn: 0.5488432	total: 5.72s	remaining: 532ms
915:	learn: 0.5485677	total: 5.73s	remaining: 525ms
916:	learn: 0.5484551	total: 5.73s	remaining: 519ms
917:	learn: 0.5482258	total: 5.74s	remaining: 513ms
918:	learn: 0.5479685	total: 5.74s	remaining: 506ms
919:	learn: 0.5475910	total: 5.75s	remaining: 500ms
920:	learn: 0.5473231	total: 5.75s	remaining: 494ms
921:	learn: 0.5471058	total: 5.76s	remaining: 487ms
922:	learn: 0.5469618	total: 5.77s	remaining: 481ms
923:	learn: 0.5464914	total: 5.77s	remaining: 475ms
924:	learn: 0.5461437	total: 5.78s	remaining: 468ms
925:	learn: 0.5456672	total: 5.78s	remaining: 462ms
926:	learn: 0.5453690	total: 5.79s	remaining: 456ms
927:	learn: 0.5449802	total: 5.79s	remaining: 450ms
928:	learn: 0.5447011	total: 5.8s	remaining: 443ms
929:	learn: 0.5445113	total: 5.81s	remaining: 437ms
930:	learn: 0.5440542	total: 5.81s	remaining: 431ms
931:	learn: 0.5436414	total: 5.82s	remaining: 425ms
932:	learn: 0.5431280	total: 5.82s	remaining: 418ms
933:	learn: 0.5429654	total: 5.83s	remaining: 412ms

934:	learn: 0.5427554	total: 5.83s	remaining: 406ms
935:	learn: 0.5424251	total: 5.84s	remaining: 399ms
936:	learn: 0.5420363	total: 5.85s	remaining: 393ms
937:	learn: 0.5417181	total: 5.85s	remaining: 387ms
938:	learn: 0.5412293	total: 5.86s	remaining: 381ms
939:	learn: 0.5402780	total: 5.86s	remaining: 374ms
940:	learn: 0.5397660	total: 5.87s	remaining: 368ms
941:	learn: 0.5393278	total: 5.88s	remaining: 362ms
942:	learn: 0.5388065	total: 5.88s	remaining: 356ms
943:	learn: 0.5384521	total: 5.89s	remaining: 350ms
944:	learn: 0.5380539	total: 5.9s	remaining: 343ms
945:	learn: 0.5374091	total: 5.91s	remaining: 337ms
946:	learn: 0.5370051	total: 5.91s	remaining: 331ms
947:	learn: 0.5367268	total: 5.92s	remaining: 325ms
948:	learn: 0.5362254	total: 5.92s	remaining: 318ms
949:	learn: 0.5360736	total: 5.93s	remaining: 312ms
950:	learn: 0.5356518	total: 5.94s	remaining: 306ms
951:	learn: 0.5353129	total: 5.94s	remaining: 300ms
952:	learn: 0.5350330	total: 5.95s	remaining: 293ms
953:	learn: 0.5347707	total: 5.95s	remaining: 287ms
954:	learn: 0.5342994	total: 5.96s	remaining: 281ms
955:	learn: 0.5337295	total: 5.97s	remaining: 275ms
956:	learn: 0.5335171	total: 5.97s	remaining: 268ms
957:	learn: 0.5328739	total: 5.98s	remaining: 262ms
958:	learn: 0.5324560	total: 5.99s	remaining: 256ms
959:	learn: 0.5321895	total: 5.99s	remaining: 250ms
960:	learn: 0.5316964	total: 6s	remaining: 244ms
961:	learn: 0.5315944	total: 6.01s	remaining: 237ms
962:	learn: 0.5308203	total: 6.01s	remaining: 231ms
963:	learn: 0.5306132	total: 6.02s	remaining: 225ms
964:	learn: 0.5304392	total: 6.03s	remaining: 219ms
965:	learn: 0.5299078	total: 6.03s	remaining: 212ms
966:	learn: 0.5296758	total: 6.04s	remaining: 206ms
967:	learn: 0.5292973	total: 6.04s	remaining: 200ms
968:	learn: 0.5288734	total: 6.05s	remaining: 194ms
969:	learn: 0.5284189	total: 6.05s	remaining: 187ms
970:	learn: 0.5281041	total: 6.06s	remaining: 181ms
971:	learn: 0.5278227	total: 6.06s	remaining: 175ms
972:	learn: 0.5273633	total: 6.07s	remaining: 168ms
973:	learn: 0.5271212	total: 6.08s	remaining: 162ms
974:	learn: 0.5269016	total: 6.08s	remaining: 156ms
975:	learn: 0.5265717	total: 6.09s	remaining: 150ms
976:	learn: 0.5263056	total: 6.09s	remaining: 143ms
977:	learn: 0.5259286	total: 6.1s	remaining: 137ms
978:	learn: 0.5253493	total: 6.1s	remaining: 131ms
979:	learn: 0.5250768	total: 6.11s	remaining: 125ms
980:	learn: 0.5247043	total: 6.12s	remaining: 118ms
981:	learn: 0.5243487	total: 6.12s	remaining: 112ms
982:	learn: 0.5243352	total: 6.13s	remaining: 106ms
983:	learn: 0.5240536	total: 6.14s	remaining: 99.8ms
984:	learn: 0.5237959	total: 6.14s	remaining: 93.5ms
985:	learn: 0.5235913	total: 6.15s	remaining: 87.3ms
986:	learn: 0.5233571	total: 6.15s	remaining: 81.1ms
987:	learn: 0.5230726	total: 6.16s	remaining: 74.8ms
988:	learn: 0.5230588	total: 6.17s	remaining: 68.6ms
989:	learn: 0.5229140	total: 6.17s	remaining: 62.3ms
990:	learn: 0.5226457	total: 6.18s	remaining: 56.1ms
991:	learn: 0.5220638	total: 6.18s	remaining: 49.9ms
992:	learn: 0.5217263	total: 6.19s	remaining: 43.6ms
993:	learn: 0.5214100	total: 6.19s	remaining: 37.4ms

994:	learn: 0.5210036	total: 6.2s	remaining: 31.2ms
995:	learn: 0.5207917	total: 6.21s	remaining: 24.9ms
996:	learn: 0.5205613	total: 6.21s	remaining: 18.7ms
997:	learn: 0.5202986	total: 6.22s	remaining: 12.5ms
998:	learn: 0.5201566	total: 6.22s	remaining: 6.23ms
999:	learn: 0.5197065	total: 6.23s	remaining: 0us

In [78]: `model_output`

Out[78]:

```
[[ 'lr', 0.9672937151257295, 8.441513553849704, 0.9671402283675841],
 [ 'svr', 0.992505974855721, 2.3634347253710257, 0.991813157386716],
 [ 'rf', 0.998194249279826, 1.7256033333333332, 0.9979482272225508],
 [ 'gr', 0.9967670534446199, 2.6055469715993436, 0.9963323893861251],
 [ 'xg', 0.9851689710032489, 5.268527365843455, 0.9842942909007384],
 [ 'ct', 0.9998854278232082, 0.48566320366073445, 0.9998640093773282],
 [ 'lgm', 0.9991384144004999, 1.2834486794591151, 0.998986913825316]]
```

In [80]:

```
preprocessor = ColumnTransformer(transformers=[
    ('ordinal',OrdinalEncoder(),['Gender']),
    ('num',StandardScaler(),['Age',
                             'Height',
                             'Weight',
                             'Duration',
                             'Heart_Rate',
                             'Body_Temp']),
],remainder='passthrough')
```

In [81]:

```
pipeline = Pipeline([
    ('preprocessor',preprocessor),
    ('model',CatBoostRegressor())
])
```

In [82]:

```
sample = pd.DataFrame({
    'Gender':'male',
    'Age':68,
    'Height':190.0,
    'Weight':94.0,
    'Duration':29.0,
    'Heart_Rate':105.0,
    'Body_Temp':40.8,
},index=[0])
```

In [84]: `pipeline.fit(X,y)`

Learning rate set to 0.062806

0:	learn: 58.8495315	total: 5.14ms	remaining: 5.13s
1:	learn: 55.5634468	total: 8.79ms	remaining: 4.38s
2:	learn: 52.3968831	total: 12.3ms	remaining: 4.1s
3:	learn: 49.4584620	total: 15.8ms	remaining: 3.92s
4:	learn: 46.7348723	total: 19.2ms	remaining: 3.83s
5:	learn: 44.1090155	total: 23ms	remaining: 3.81s
6:	learn: 41.6368790	total: 26.5ms	remaining: 3.77s
7:	learn: 39.4495798	total: 30ms	remaining: 3.72s
8:	learn: 37.3458298	total: 33.7ms	remaining: 3.71s
9:	learn: 35.3000975	total: 37.3ms	remaining: 3.7s
10:	learn: 33.4598079	total: 41ms	remaining: 3.68s
11:	learn: 31.6437223	total: 44.7ms	remaining: 3.68s
12:	learn: 29.9479402	total: 47.8ms	remaining: 3.63s
13:	learn: 28.3739274	total: 50.7ms	remaining: 3.57s
14:	learn: 26.8711356	total: 53.9ms	remaining: 3.54s
15:	learn: 25.4484745	total: 56.9ms	remaining: 3.5s
16:	learn: 24.1080370	total: 59.8ms	remaining: 3.46s
17:	learn: 22.9264020	total: 62.7ms	remaining: 3.42s
18:	learn: 21.7551179	total: 65.7ms	remaining: 3.39s
19:	learn: 20.6218400	total: 68.5ms	remaining: 3.36s
20:	learn: 19.6368234	total: 71.4ms	remaining: 3.33s
21:	learn: 18.6598488	total: 74.2ms	remaining: 3.3s
22:	learn: 17.7684795	total: 77.1ms	remaining: 3.27s
23:	learn: 16.8945938	total: 79.9ms	remaining: 3.25s
24:	learn: 16.0937336	total: 83ms	remaining: 3.24s
25:	learn: 15.3313970	total: 86ms	remaining: 3.22s
26:	learn: 14.6445435	total: 88.9ms	remaining: 3.21s
27:	learn: 13.9785641	total: 91.9ms	remaining: 3.19s
28:	learn: 13.3637200	total: 94.8ms	remaining: 3.17s
29:	learn: 12.7629472	total: 98ms	remaining: 3.17s
30:	learn: 12.1894013	total: 101ms	remaining: 3.15s
31:	learn: 11.6637262	total: 104ms	remaining: 3.14s
32:	learn: 11.1507286	total: 107ms	remaining: 3.13s
33:	learn: 10.6768330	total: 110ms	remaining: 3.12s
34:	learn: 10.2473941	total: 113ms	remaining: 3.11s
35:	learn: 9.8418911	total: 116ms	remaining: 3.1s
36:	learn: 9.4427865	total: 119ms	remaining: 3.08s
37:	learn: 9.0755130	total: 121ms	remaining: 3.08s
38:	learn: 8.7456178	total: 124ms	remaining: 3.06s
39:	learn: 8.3982559	total: 127ms	remaining: 3.06s
40:	learn: 8.1014845	total: 130ms	remaining: 3.05s
41:	learn: 7.8219992	total: 133ms	remaining: 3.04s
42:	learn: 7.5543977	total: 136ms	remaining: 3.03s
43:	learn: 7.2800402	total: 139ms	remaining: 3.02s
44:	learn: 7.0263926	total: 142ms	remaining: 3.01s
45:	learn: 6.7955683	total: 145ms	remaining: 3s
46:	learn: 6.5807520	total: 148ms	remaining: 3s
47:	learn: 6.3757596	total: 151ms	remaining: 2.99s
48:	learn: 6.1825963	total: 154ms	remaining: 2.98s
49:	learn: 6.0055000	total: 157ms	remaining: 2.97s
50:	learn: 5.8297582	total: 160ms	remaining: 2.97s
51:	learn: 5.6657526	total: 163ms	remaining: 2.96s
52:	learn: 5.5190665	total: 166ms	remaining: 2.96s
53:	learn: 5.3683692	total: 168ms	remaining: 2.95s
54:	learn: 5.2369437	total: 171ms	remaining: 2.94s
55:	learn: 5.1235050	total: 174ms	remaining: 2.93s
56:	learn: 4.9898309	total: 177ms	remaining: 2.93s
57:	learn: 4.8837067	total: 180ms	remaining: 2.92s
58:	learn: 4.7658336	total: 182ms	remaining: 2.91s

59:	learn: 4.6601803	total: 185ms	remaining: 2.9s
60:	learn: 4.5721376	total: 190ms	remaining: 2.93s
61:	learn: 4.4725346	total: 194ms	remaining: 2.93s
62:	learn: 4.3865620	total: 197ms	remaining: 2.94s
63:	learn: 4.3022050	total: 201ms	remaining: 2.94s
64:	learn: 4.2176468	total: 206ms	remaining: 2.96s
65:	learn: 4.1344782	total: 210ms	remaining: 2.97s
66:	learn: 4.0634089	total: 213ms	remaining: 2.97s
67:	learn: 3.9944107	total: 216ms	remaining: 2.96s
68:	learn: 3.9375207	total: 219ms	remaining: 2.95s
69:	learn: 3.8813973	total: 222ms	remaining: 2.95s
70:	learn: 3.8176927	total: 225ms	remaining: 2.94s
71:	learn: 3.7510421	total: 228ms	remaining: 2.94s
72:	learn: 3.6977003	total: 231ms	remaining: 2.93s
73:	learn: 3.6432463	total: 234ms	remaining: 2.93s
74:	learn: 3.5919643	total: 237ms	remaining: 2.92s
75:	learn: 3.5452340	total: 240ms	remaining: 2.92s
76:	learn: 3.4875629	total: 244ms	remaining: 2.92s
77:	learn: 3.4393888	total: 248ms	remaining: 2.93s
78:	learn: 3.3891124	total: 252ms	remaining: 2.93s
79:	learn: 3.3449682	total: 255ms	remaining: 2.93s
80:	learn: 3.3112322	total: 259ms	remaining: 2.94s
81:	learn: 3.2762681	total: 262ms	remaining: 2.94s
82:	learn: 3.2438972	total: 266ms	remaining: 2.94s
83:	learn: 3.2074396	total: 269ms	remaining: 2.94s
84:	learn: 3.1724368	total: 273ms	remaining: 2.94s
85:	learn: 3.1402333	total: 278ms	remaining: 2.95s
86:	learn: 3.1104174	total: 282ms	remaining: 2.96s
87:	learn: 3.0867141	total: 286ms	remaining: 2.96s
88:	learn: 3.0637652	total: 289ms	remaining: 2.95s
89:	learn: 3.0318587	total: 291ms	remaining: 2.95s
90:	learn: 3.0021298	total: 294ms	remaining: 2.94s
91:	learn: 2.9718748	total: 297ms	remaining: 2.93s
92:	learn: 2.9453332	total: 301ms	remaining: 2.94s
93:	learn: 2.9228903	total: 305ms	remaining: 2.94s
94:	learn: 2.9049435	total: 308ms	remaining: 2.93s
95:	learn: 2.8823503	total: 311ms	remaining: 2.93s
96:	learn: 2.8571359	total: 314ms	remaining: 2.93s
97:	learn: 2.8239858	total: 318ms	remaining: 2.92s
98:	learn: 2.7988662	total: 320ms	remaining: 2.92s
99:	learn: 2.7795700	total: 323ms	remaining: 2.91s
100:	learn: 2.7661620	total: 326ms	remaining: 2.9s
101:	learn: 2.7437838	total: 329ms	remaining: 2.9s
102:	learn: 2.7203676	total: 332ms	remaining: 2.89s
103:	learn: 2.7049166	total: 335ms	remaining: 2.88s
104:	learn: 2.6853433	total: 338ms	remaining: 2.88s
105:	learn: 2.6548068	total: 340ms	remaining: 2.87s
106:	learn: 2.6382367	total: 343ms	remaining: 2.86s
107:	learn: 2.6221278	total: 346ms	remaining: 2.86s
108:	learn: 2.6050727	total: 349ms	remaining: 2.85s
109:	learn: 2.5787249	total: 352ms	remaining: 2.85s
110:	learn: 2.5552406	total: 355ms	remaining: 2.84s
111:	learn: 2.5364044	total: 358ms	remaining: 2.83s
112:	learn: 2.5203273	total: 361ms	remaining: 2.83s
113:	learn: 2.5034831	total: 364ms	remaining: 2.83s
114:	learn: 2.4909087	total: 367ms	remaining: 2.82s
115:	learn: 2.4776292	total: 370ms	remaining: 2.82s
116:	learn: 2.4579739	total: 372ms	remaining: 2.81s
117:	learn: 2.4436615	total: 375ms	remaining: 2.81s
118:	learn: 2.4261823	total: 378ms	remaining: 2.8s

119:	learn: 2.4037128	total: 383ms	remaining: 2.81s
120:	learn: 2.3890078	total: 386ms	remaining: 2.81s
121:	learn: 2.3688000	total: 390ms	remaining: 2.81s
122:	learn: 2.3461053	total: 394ms	remaining: 2.81s
123:	learn: 2.3249298	total: 398ms	remaining: 2.81s
124:	learn: 2.3120443	total: 401ms	remaining: 2.81s
125:	learn: 2.2990560	total: 405ms	remaining: 2.81s
126:	learn: 2.2817053	total: 422ms	remaining: 2.9s
127:	learn: 2.2731192	total: 426ms	remaining: 2.9s
128:	learn: 2.2660762	total: 430ms	remaining: 2.9s
129:	learn: 2.2548132	total: 435ms	remaining: 2.91s
130:	learn: 2.2313658	total: 439ms	remaining: 2.91s
131:	learn: 2.2246949	total: 442ms	remaining: 2.91s
132:	learn: 2.2062653	total: 446ms	remaining: 2.9s
133:	learn: 2.1939508	total: 449ms	remaining: 2.9s
134:	learn: 2.1813105	total: 452ms	remaining: 2.89s
135:	learn: 2.1655701	total: 455ms	remaining: 2.89s
136:	learn: 2.1541962	total: 457ms	remaining: 2.88s
137:	learn: 2.1437254	total: 460ms	remaining: 2.87s
138:	learn: 2.1299135	total: 463ms	remaining: 2.87s
139:	learn: 2.1209984	total: 466ms	remaining: 2.86s
140:	learn: 2.1089921	total: 469ms	remaining: 2.85s
141:	learn: 2.0928033	total: 472ms	remaining: 2.85s
142:	learn: 2.0778211	total: 475ms	remaining: 2.84s
143:	learn: 2.0679370	total: 477ms	remaining: 2.84s
144:	learn: 2.0576085	total: 480ms	remaining: 2.83s
145:	learn: 2.0508412	total: 483ms	remaining: 2.82s
146:	learn: 2.0361554	total: 486ms	remaining: 2.82s
147:	learn: 2.0244569	total: 489ms	remaining: 2.81s
148:	learn: 2.0161657	total: 491ms	remaining: 2.81s
149:	learn: 2.0078693	total: 494ms	remaining: 2.8s
150:	learn: 1.9887191	total: 497ms	remaining: 2.79s
151:	learn: 1.9697801	total: 500ms	remaining: 2.79s
152:	learn: 1.9530981	total: 503ms	remaining: 2.78s
153:	learn: 1.9457219	total: 505ms	remaining: 2.78s
154:	learn: 1.9349841	total: 508ms	remaining: 2.77s
155:	learn: 1.9246724	total: 511ms	remaining: 2.76s
156:	learn: 1.9134858	total: 514ms	remaining: 2.76s
157:	learn: 1.9045653	total: 517ms	remaining: 2.75s
158:	learn: 1.8968139	total: 519ms	remaining: 2.75s
159:	learn: 1.8880963	total: 522ms	remaining: 2.74s
160:	learn: 1.8791101	total: 525ms	remaining: 2.74s
161:	learn: 1.8714039	total: 528ms	remaining: 2.73s
162:	learn: 1.8597013	total: 531ms	remaining: 2.73s
163:	learn: 1.8549224	total: 534ms	remaining: 2.72s
164:	learn: 1.8485729	total: 537ms	remaining: 2.71s
165:	learn: 1.8402424	total: 539ms	remaining: 2.71s
166:	learn: 1.8342744	total: 542ms	remaining: 2.7s
167:	learn: 1.8219503	total: 545ms	remaining: 2.7s
168:	learn: 1.8122816	total: 548ms	remaining: 2.69s
169:	learn: 1.8028968	total: 551ms	remaining: 2.69s
170:	learn: 1.7901388	total: 554ms	remaining: 2.69s
171:	learn: 1.7850825	total: 557ms	remaining: 2.68s
172:	learn: 1.7714768	total: 560ms	remaining: 2.67s
173:	learn: 1.7681030	total: 562ms	remaining: 2.67s
174:	learn: 1.7600765	total: 565ms	remaining: 2.66s
175:	learn: 1.7523849	total: 568ms	remaining: 2.66s
176:	learn: 1.7458902	total: 571ms	remaining: 2.65s
177:	learn: 1.7370505	total: 573ms	remaining: 2.65s
178:	learn: 1.7223764	total: 576ms	remaining: 2.64s

179:	learn: 1.7114492	total: 579ms	remaining: 2.64s
180:	learn: 1.7051347	total: 583ms	remaining: 2.64s
181:	learn: 1.6975230	total: 587ms	remaining: 2.64s
182:	learn: 1.6944195	total: 590ms	remaining: 2.63s
183:	learn: 1.6810150	total: 594ms	remaining: 2.63s
184:	learn: 1.6748715	total: 597ms	remaining: 2.63s
185:	learn: 1.6662580	total: 602ms	remaining: 2.64s
186:	learn: 1.6585370	total: 606ms	remaining: 2.64s
187:	learn: 1.6504778	total: 611ms	remaining: 2.64s
188:	learn: 1.6445295	total: 613ms	remaining: 2.63s
189:	learn: 1.6375821	total: 617ms	remaining: 2.63s
190:	learn: 1.6325751	total: 619ms	remaining: 2.62s
191:	learn: 1.6262722	total: 622ms	remaining: 2.62s
192:	learn: 1.6137156	total: 625ms	remaining: 2.61s
193:	learn: 1.6089985	total: 628ms	remaining: 2.61s
194:	learn: 1.6048490	total: 631ms	remaining: 2.6s
195:	learn: 1.6000348	total: 634ms	remaining: 2.6s
196:	learn: 1.5964588	total: 636ms	remaining: 2.59s
197:	learn: 1.5839838	total: 639ms	remaining: 2.59s
198:	learn: 1.5770024	total: 642ms	remaining: 2.58s
199:	learn: 1.5721635	total: 645ms	remaining: 2.58s
200:	learn: 1.5625259	total: 648ms	remaining: 2.58s
201:	learn: 1.5593069	total: 651ms	remaining: 2.57s
202:	learn: 1.5542659	total: 654ms	remaining: 2.57s
203:	learn: 1.5487686	total: 657ms	remaining: 2.56s
204:	learn: 1.5423450	total: 660ms	remaining: 2.56s
205:	learn: 1.5350967	total: 662ms	remaining: 2.55s
206:	learn: 1.5311094	total: 665ms	remaining: 2.55s
207:	learn: 1.5231725	total: 668ms	remaining: 2.54s
208:	learn: 1.5177539	total: 671ms	remaining: 2.54s
209:	learn: 1.5113523	total: 674ms	remaining: 2.54s
210:	learn: 1.5057808	total: 677ms	remaining: 2.53s
211:	learn: 1.4975463	total: 679ms	remaining: 2.52s
212:	learn: 1.4893964	total: 682ms	remaining: 2.52s
213:	learn: 1.4814371	total: 685ms	remaining: 2.52s
214:	learn: 1.4774757	total: 688ms	remaining: 2.51s
215:	learn: 1.4734344	total: 691ms	remaining: 2.51s
216:	learn: 1.4682871	total: 694ms	remaining: 2.5s
217:	learn: 1.4623388	total: 697ms	remaining: 2.5s
218:	learn: 1.4580390	total: 699ms	remaining: 2.49s
219:	learn: 1.4498249	total: 702ms	remaining: 2.49s
220:	learn: 1.4456747	total: 705ms	remaining: 2.48s
221:	learn: 1.4381545	total: 708ms	remaining: 2.48s
222:	learn: 1.4344406	total: 711ms	remaining: 2.48s
223:	learn: 1.4277815	total: 714ms	remaining: 2.47s
224:	learn: 1.4234268	total: 717ms	remaining: 2.47s
225:	learn: 1.4173960	total: 720ms	remaining: 2.47s
226:	learn: 1.4125541	total: 723ms	remaining: 2.46s
227:	learn: 1.4060601	total: 726ms	remaining: 2.46s
228:	learn: 1.3997606	total: 729ms	remaining: 2.45s
229:	learn: 1.3953754	total: 731ms	remaining: 2.45s
230:	learn: 1.3923829	total: 734ms	remaining: 2.44s
231:	learn: 1.3866935	total: 737ms	remaining: 2.44s
232:	learn: 1.3832735	total: 739ms	remaining: 2.43s
233:	learn: 1.3776787	total: 742ms	remaining: 2.43s
234:	learn: 1.3738502	total: 745ms	remaining: 2.42s
235:	learn: 1.3670419	total: 748ms	remaining: 2.42s
236:	learn: 1.3628291	total: 750ms	remaining: 2.42s
237:	learn: 1.3566624	total: 753ms	remaining: 2.41s
238:	learn: 1.3525008	total: 756ms	remaining: 2.41s

239:	learn: 1.3459001	total: 760ms	remaining: 2.41s
240:	learn: 1.3397453	total: 764ms	remaining: 2.4s
241:	learn: 1.3353580	total: 767ms	remaining: 2.4s
242:	learn: 1.3300845	total: 770ms	remaining: 2.4s
243:	learn: 1.3233534	total: 774ms	remaining: 2.4s
244:	learn: 1.3207100	total: 778ms	remaining: 2.4s
245:	learn: 1.3158194	total: 781ms	remaining: 2.39s
246:	learn: 1.3134906	total: 784ms	remaining: 2.39s
247:	learn: 1.3097856	total: 787ms	remaining: 2.38s
248:	learn: 1.3028968	total: 791ms	remaining: 2.39s
249:	learn: 1.2997386	total: 796ms	remaining: 2.39s
250:	learn: 1.2968402	total: 799ms	remaining: 2.38s
251:	learn: 1.2937174	total: 804ms	remaining: 2.39s
252:	learn: 1.2886389	total: 808ms	remaining: 2.39s
253:	learn: 1.2854463	total: 812ms	remaining: 2.38s
254:	learn: 1.2801031	total: 814ms	remaining: 2.38s
255:	learn: 1.2766389	total: 818ms	remaining: 2.38s
256:	learn: 1.2725126	total: 822ms	remaining: 2.38s
257:	learn: 1.2692392	total: 826ms	remaining: 2.37s
258:	learn: 1.2632383	total: 829ms	remaining: 2.37s
259:	learn: 1.2583172	total: 832ms	remaining: 2.37s
260:	learn: 1.2533391	total: 835ms	remaining: 2.36s
261:	learn: 1.2517167	total: 839ms	remaining: 2.36s
262:	learn: 1.2483625	total: 842ms	remaining: 2.36s
263:	learn: 1.2447169	total: 845ms	remaining: 2.35s
264:	learn: 1.2428859	total: 848ms	remaining: 2.35s
265:	learn: 1.2382012	total: 851ms	remaining: 2.35s
266:	learn: 1.2356189	total: 855ms	remaining: 2.35s
267:	learn: 1.2320549	total: 858ms	remaining: 2.34s
268:	learn: 1.2282388	total: 861ms	remaining: 2.34s
269:	learn: 1.2235636	total: 864ms	remaining: 2.33s
270:	learn: 1.2190922	total: 867ms	remaining: 2.33s
271:	learn: 1.2154316	total: 870ms	remaining: 2.33s
272:	learn: 1.2132321	total: 873ms	remaining: 2.33s
273:	learn: 1.2105495	total: 876ms	remaining: 2.32s
274:	learn: 1.2074767	total: 879ms	remaining: 2.32s
275:	learn: 1.2036820	total: 883ms	remaining: 2.32s
276:	learn: 1.1983489	total: 887ms	remaining: 2.32s
277:	learn: 1.1963944	total: 891ms	remaining: 2.31s
278:	learn: 1.1911812	total: 896ms	remaining: 2.32s
279:	learn: 1.1877661	total: 904ms	remaining: 2.33s
280:	learn: 1.1824223	total: 908ms	remaining: 2.32s
281:	learn: 1.1791916	total: 912ms	remaining: 2.32s
282:	learn: 1.1757547	total: 916ms	remaining: 2.32s
283:	learn: 1.1735567	total: 920ms	remaining: 2.32s
284:	learn: 1.1709586	total: 924ms	remaining: 2.32s
285:	learn: 1.1687234	total: 928ms	remaining: 2.32s
286:	learn: 1.1659727	total: 933ms	remaining: 2.32s
287:	learn: 1.1614052	total: 937ms	remaining: 2.31s
288:	learn: 1.1582931	total: 941ms	remaining: 2.31s
289:	learn: 1.1556616	total: 944ms	remaining: 2.31s
290:	learn: 1.1514066	total: 949ms	remaining: 2.31s
291:	learn: 1.1491178	total: 953ms	remaining: 2.31s
292:	learn: 1.1449938	total: 957ms	remaining: 2.31s
293:	learn: 1.1431372	total: 960ms	remaining: 2.31s
294:	learn: 1.1386568	total: 965ms	remaining: 2.31s
295:	learn: 1.1340958	total: 970ms	remaining: 2.31s
296:	learn: 1.1306531	total: 974ms	remaining: 2.31s
297:	learn: 1.1286482	total: 978ms	remaining: 2.3s
298:	learn: 1.1262167	total: 982ms	remaining: 2.3s

299:	learn: 1.1233199	total: 986ms	remaining: 2.3s
300:	learn: 1.1196615	total: 990ms	remaining: 2.3s
301:	learn: 1.1168438	total: 996ms	remaining: 2.3s
302:	learn: 1.1117854	total: 1000ms	remaining: 2.3s
303:	learn: 1.1106727	total: 1s	remaining: 2.29s
304:	learn: 1.1070849	total: 1s	remaining: 2.29s
305:	learn: 1.1035881	total: 1.01s	remaining: 2.29s
306:	learn: 1.1001368	total: 1.01s	remaining: 2.29s
307:	learn: 1.0973117	total: 1.02s	remaining: 2.28s
308:	learn: 1.0944546	total: 1.02s	remaining: 2.28s
309:	learn: 1.0916029	total: 1.02s	remaining: 2.28s
310:	learn: 1.0879371	total: 1.03s	remaining: 2.27s
311:	learn: 1.0853470	total: 1.03s	remaining: 2.27s
312:	learn: 1.0828155	total: 1.03s	remaining: 2.27s
313:	learn: 1.0797224	total: 1.04s	remaining: 2.26s
314:	learn: 1.0778645	total: 1.04s	remaining: 2.26s
315:	learn: 1.0762242	total: 1.04s	remaining: 2.26s
316:	learn: 1.0735624	total: 1.05s	remaining: 2.25s
317:	learn: 1.0702377	total: 1.05s	remaining: 2.25s
318:	learn: 1.0687107	total: 1.05s	remaining: 2.25s
319:	learn: 1.0645335	total: 1.06s	remaining: 2.25s
320:	learn: 1.0625600	total: 1.06s	remaining: 2.24s
321:	learn: 1.0603239	total: 1.06s	remaining: 2.24s
322:	learn: 1.0581049	total: 1.06s	remaining: 2.23s
323:	learn: 1.0560522	total: 1.07s	remaining: 2.23s
324:	learn: 1.0542509	total: 1.07s	remaining: 2.23s
325:	learn: 1.0510965	total: 1.08s	remaining: 2.23s
326:	learn: 1.0488739	total: 1.08s	remaining: 2.22s
327:	learn: 1.0464891	total: 1.08s	remaining: 2.22s
328:	learn: 1.0441560	total: 1.08s	remaining: 2.21s
329:	learn: 1.0408535	total: 1.09s	remaining: 2.21s
330:	learn: 1.0386005	total: 1.09s	remaining: 2.21s
331:	learn: 1.0362555	total: 1.09s	remaining: 2.2s
332:	learn: 1.0339042	total: 1.1s	remaining: 2.2s
333:	learn: 1.0324287	total: 1.1s	remaining: 2.2s
334:	learn: 1.0304712	total: 1.11s	remaining: 2.2s
335:	learn: 1.0282569	total: 1.11s	remaining: 2.19s
336:	learn: 1.0262475	total: 1.11s	remaining: 2.19s
337:	learn: 1.0220959	total: 1.11s	remaining: 2.18s
338:	learn: 1.0197711	total: 1.12s	remaining: 2.18s
339:	learn: 1.0171275	total: 1.12s	remaining: 2.18s
340:	learn: 1.0144526	total: 1.13s	remaining: 2.18s
341:	learn: 1.0123255	total: 1.13s	remaining: 2.18s
342:	learn: 1.0097165	total: 1.14s	remaining: 2.17s
343:	learn: 1.0064628	total: 1.14s	remaining: 2.17s
344:	learn: 1.0042817	total: 1.14s	remaining: 2.17s
345:	learn: 1.0023423	total: 1.14s	remaining: 2.16s
346:	learn: 1.0017915	total: 1.15s	remaining: 2.16s
347:	learn: 0.9992011	total: 1.15s	remaining: 2.16s
348:	learn: 0.9973174	total: 1.15s	remaining: 2.15s
349:	learn: 0.9952629	total: 1.16s	remaining: 2.15s
350:	learn: 0.9917436	total: 1.16s	remaining: 2.15s
351:	learn: 0.9891242	total: 1.16s	remaining: 2.14s
352:	learn: 0.9878238	total: 1.17s	remaining: 2.14s
353:	learn: 0.9856824	total: 1.17s	remaining: 2.14s
354:	learn: 0.9845781	total: 1.18s	remaining: 2.13s
355:	learn: 0.9827016	total: 1.18s	remaining: 2.13s
356:	learn: 0.9802512	total: 1.18s	remaining: 2.13s
357:	learn: 0.9781899	total: 1.19s	remaining: 2.13s
358:	learn: 0.9749388	total: 1.19s	remaining: 2.12s

359:	learn: 0.9729896	total: 1.19s	remaining: 2.12s
360:	learn: 0.9717611	total: 1.2s	remaining: 2.12s
361:	learn: 0.9702092	total: 1.2s	remaining: 2.12s
362:	learn: 0.9683330	total: 1.2s	remaining: 2.11s
363:	learn: 0.9665412	total: 1.21s	remaining: 2.11s
364:	learn: 0.9635244	total: 1.21s	remaining: 2.1s
365:	learn: 0.9618595	total: 1.21s	remaining: 2.1s
366:	learn: 0.9592969	total: 1.22s	remaining: 2.1s
367:	learn: 0.9573132	total: 1.22s	remaining: 2.1s
368:	learn: 0.9556907	total: 1.22s	remaining: 2.09s
369:	learn: 0.9540323	total: 1.23s	remaining: 2.09s
370:	learn: 0.9526465	total: 1.23s	remaining: 2.08s
371:	learn: 0.9512801	total: 1.23s	remaining: 2.08s
372:	learn: 0.9492971	total: 1.24s	remaining: 2.08s
373:	learn: 0.9473886	total: 1.24s	remaining: 2.07s
374:	learn: 0.9452669	total: 1.24s	remaining: 2.07s
375:	learn: 0.9427195	total: 1.25s	remaining: 2.07s
376:	learn: 0.9410358	total: 1.25s	remaining: 2.06s
377:	learn: 0.9397346	total: 1.25s	remaining: 2.06s
378:	learn: 0.9369982	total: 1.26s	remaining: 2.06s
379:	learn: 0.9353395	total: 1.26s	remaining: 2.06s
380:	learn: 0.9332925	total: 1.26s	remaining: 2.05s
381:	learn: 0.9312678	total: 1.27s	remaining: 2.05s
382:	learn: 0.9300822	total: 1.27s	remaining: 2.05s
383:	learn: 0.9270317	total: 1.27s	remaining: 2.04s
384:	learn: 0.9251186	total: 1.28s	remaining: 2.04s
385:	learn: 0.9243385	total: 1.28s	remaining: 2.04s
386:	learn: 0.9226841	total: 1.28s	remaining: 2.03s
387:	learn: 0.9204073	total: 1.29s	remaining: 2.03s
388:	learn: 0.9187708	total: 1.29s	remaining: 2.03s
389:	learn: 0.9179841	total: 1.29s	remaining: 2.02s
390:	learn: 0.9167366	total: 1.3s	remaining: 2.02s
391:	learn: 0.9154860	total: 1.3s	remaining: 2.02s
392:	learn: 0.9135239	total: 1.3s	remaining: 2.01s
393:	learn: 0.9116611	total: 1.31s	remaining: 2.01s
394:	learn: 0.9109430	total: 1.31s	remaining: 2.01s
395:	learn: 0.9089861	total: 1.31s	remaining: 2s
396:	learn: 0.9070520	total: 1.32s	remaining: 2s
397:	learn: 0.9042082	total: 1.32s	remaining: 2s
398:	learn: 0.9019042	total: 1.32s	remaining: 1.99s
399:	learn: 0.9011558	total: 1.33s	remaining: 1.99s
400:	learn: 0.9006795	total: 1.33s	remaining: 1.99s
401:	learn: 0.8986881	total: 1.33s	remaining: 1.98s
402:	learn: 0.8968356	total: 1.34s	remaining: 1.98s
403:	learn: 0.8949240	total: 1.34s	remaining: 1.98s
404:	learn: 0.8928428	total: 1.34s	remaining: 1.97s
405:	learn: 0.8910910	total: 1.34s	remaining: 1.97s
406:	learn: 0.8904832	total: 1.35s	remaining: 1.97s
407:	learn: 0.8888328	total: 1.35s	remaining: 1.96s
408:	learn: 0.8870393	total: 1.35s	remaining: 1.96s
409:	learn: 0.8850788	total: 1.36s	remaining: 1.96s
410:	learn: 0.8833545	total: 1.36s	remaining: 1.95s
411:	learn: 0.8821245	total: 1.36s	remaining: 1.95s
412:	learn: 0.8806746	total: 1.37s	remaining: 1.95s
413:	learn: 0.8791065	total: 1.38s	remaining: 1.95s
414:	learn: 0.8778471	total: 1.38s	remaining: 1.95s
415:	learn: 0.8763879	total: 1.38s	remaining: 1.94s
416:	learn: 0.8756087	total: 1.39s	remaining: 1.94s
417:	learn: 0.8746302	total: 1.39s	remaining: 1.94s
418:	learn: 0.8728865	total: 1.39s	remaining: 1.93s

419:	learn: 0.8715694	total: 1.4s	remaining: 1.93s
420:	learn: 0.8698058	total: 1.4s	remaining: 1.92s
421:	learn: 0.8677819	total: 1.4s	remaining: 1.92s
422:	learn: 0.8656207	total: 1.41s	remaining: 1.92s
423:	learn: 0.8644396	total: 1.41s	remaining: 1.91s
424:	learn: 0.8626357	total: 1.41s	remaining: 1.91s
425:	learn: 0.8615177	total: 1.41s	remaining: 1.9s
426:	learn: 0.8599360	total: 1.42s	remaining: 1.9s
427:	learn: 0.8576605	total: 1.42s	remaining: 1.9s
428:	learn: 0.8565340	total: 1.42s	remaining: 1.89s
429:	learn: 0.8553063	total: 1.43s	remaining: 1.89s
430:	learn: 0.8539594	total: 1.43s	remaining: 1.89s
431:	learn: 0.8519198	total: 1.43s	remaining: 1.88s
432:	learn: 0.8496006	total: 1.43s	remaining: 1.88s
433:	learn: 0.8474206	total: 1.44s	remaining: 1.87s
434:	learn: 0.8467779	total: 1.44s	remaining: 1.87s
435:	learn: 0.8452896	total: 1.44s	remaining: 1.86s
436:	learn: 0.8435536	total: 1.44s	remaining: 1.86s
437:	learn: 0.8424267	total: 1.45s	remaining: 1.86s
438:	learn: 0.8413332	total: 1.45s	remaining: 1.85s
439:	learn: 0.8397592	total: 1.45s	remaining: 1.85s
440:	learn: 0.8395479	total: 1.46s	remaining: 1.84s
441:	learn: 0.8382934	total: 1.46s	remaining: 1.84s
442:	learn: 0.8370505	total: 1.46s	remaining: 1.84s
443:	learn: 0.8357069	total: 1.46s	remaining: 1.83s
444:	learn: 0.8343431	total: 1.47s	remaining: 1.83s
445:	learn: 0.8335547	total: 1.47s	remaining: 1.82s
446:	learn: 0.8307692	total: 1.47s	remaining: 1.82s
447:	learn: 0.8297112	total: 1.48s	remaining: 1.82s
448:	learn: 0.8283940	total: 1.48s	remaining: 1.81s
449:	learn: 0.8267162	total: 1.48s	remaining: 1.81s
450:	learn: 0.8247890	total: 1.48s	remaining: 1.81s
451:	learn: 0.8235603	total: 1.49s	remaining: 1.8s
452:	learn: 0.8214347	total: 1.49s	remaining: 1.8s
453:	learn: 0.8201205	total: 1.49s	remaining: 1.79s
454:	learn: 0.8196260	total: 1.5s	remaining: 1.79s
455:	learn: 0.8185525	total: 1.5s	remaining: 1.79s
456:	learn: 0.8166600	total: 1.5s	remaining: 1.78s
457:	learn: 0.8158141	total: 1.5s	remaining: 1.78s
458:	learn: 0.8149547	total: 1.51s	remaining: 1.78s
459:	learn: 0.8130255	total: 1.51s	remaining: 1.77s
460:	learn: 0.8124392	total: 1.51s	remaining: 1.77s
461:	learn: 0.8106474	total: 1.51s	remaining: 1.76s
462:	learn: 0.8086250	total: 1.52s	remaining: 1.76s
463:	learn: 0.8071948	total: 1.52s	remaining: 1.76s
464:	learn: 0.8060502	total: 1.52s	remaining: 1.75s
465:	learn: 0.8047999	total: 1.53s	remaining: 1.75s
466:	learn: 0.8041914	total: 1.53s	remaining: 1.75s
467:	learn: 0.8038129	total: 1.53s	remaining: 1.74s
468:	learn: 0.8024286	total: 1.54s	remaining: 1.74s
469:	learn: 0.8013587	total: 1.54s	remaining: 1.74s
470:	learn: 0.8004115	total: 1.54s	remaining: 1.73s
471:	learn: 0.7998876	total: 1.54s	remaining: 1.73s
472:	learn: 0.7976776	total: 1.55s	remaining: 1.72s
473:	learn: 0.7956810	total: 1.55s	remaining: 1.72s
474:	learn: 0.7940927	total: 1.55s	remaining: 1.72s
475:	learn: 0.7925015	total: 1.56s	remaining: 1.71s
476:	learn: 0.7912724	total: 1.56s	remaining: 1.71s
477:	learn: 0.7902779	total: 1.56s	remaining: 1.71s
478:	learn: 0.7895882	total: 1.56s	remaining: 1.7s

479:	learn: 0.7884294	total: 1.57s	remaining: 1.7s
480:	learn: 0.7873146	total: 1.57s	remaining: 1.69s
481:	learn: 0.7860611	total: 1.57s	remaining: 1.69s
482:	learn: 0.7847311	total: 1.58s	remaining: 1.69s
483:	learn: 0.7831570	total: 1.58s	remaining: 1.69s
484:	learn: 0.7825710	total: 1.58s	remaining: 1.68s
485:	learn: 0.7814075	total: 1.59s	remaining: 1.68s
486:	learn: 0.7801930	total: 1.59s	remaining: 1.68s
487:	learn: 0.7790320	total: 1.6s	remaining: 1.68s
488:	learn: 0.7777767	total: 1.6s	remaining: 1.67s
489:	learn: 0.7772108	total: 1.6s	remaining: 1.67s
490:	learn: 0.7763031	total: 1.61s	remaining: 1.67s
491:	learn: 0.7757347	total: 1.61s	remaining: 1.66s
492:	learn: 0.7748277	total: 1.61s	remaining: 1.66s
493:	learn: 0.7741430	total: 1.62s	remaining: 1.66s
494:	learn: 0.7733922	total: 1.62s	remaining: 1.65s
495:	learn: 0.7723286	total: 1.62s	remaining: 1.65s
496:	learn: 0.7712466	total: 1.63s	remaining: 1.65s
497:	learn: 0.7696691	total: 1.63s	remaining: 1.64s
498:	learn: 0.7688139	total: 1.63s	remaining: 1.64s
499:	learn: 0.7682623	total: 1.64s	remaining: 1.64s
500:	learn: 0.7671298	total: 1.64s	remaining: 1.63s
501:	learn: 0.7662740	total: 1.64s	remaining: 1.63s
502:	learn: 0.7642832	total: 1.65s	remaining: 1.63s
503:	learn: 0.7627420	total: 1.65s	remaining: 1.63s
504:	learn: 0.7616690	total: 1.65s	remaining: 1.62s
505:	learn: 0.7609826	total: 1.66s	remaining: 1.62s
506:	learn: 0.7601763	total: 1.66s	remaining: 1.61s
507:	learn: 0.7591066	total: 1.67s	remaining: 1.61s
508:	learn: 0.7580849	total: 1.67s	remaining: 1.61s
509:	learn: 0.7571549	total: 1.67s	remaining: 1.6s
510:	learn: 0.7562713	total: 1.67s	remaining: 1.6s
511:	learn: 0.7552275	total: 1.68s	remaining: 1.6s
512:	learn: 0.7548864	total: 1.68s	remaining: 1.6s
513:	learn: 0.7530509	total: 1.68s	remaining: 1.59s
514:	learn: 0.7511549	total: 1.69s	remaining: 1.59s
515:	learn: 0.7505796	total: 1.69s	remaining: 1.59s
516:	learn: 0.7496415	total: 1.7s	remaining: 1.58s
517:	learn: 0.7491774	total: 1.7s	remaining: 1.58s
518:	learn: 0.7487846	total: 1.7s	remaining: 1.58s
519:	learn: 0.7471149	total: 1.7s	remaining: 1.57s
520:	learn: 0.7464867	total: 1.71s	remaining: 1.57s
521:	learn: 0.7458095	total: 1.71s	remaining: 1.57s
522:	learn: 0.7451815	total: 1.71s	remaining: 1.56s
523:	learn: 0.7444928	total: 1.72s	remaining: 1.56s
524:	learn: 0.7429687	total: 1.72s	remaining: 1.56s
525:	learn: 0.7423217	total: 1.73s	remaining: 1.55s
526:	learn: 0.7407577	total: 1.73s	remaining: 1.55s
527:	learn: 0.7395990	total: 1.73s	remaining: 1.55s
528:	learn: 0.7381247	total: 1.74s	remaining: 1.54s
529:	learn: 0.7376559	total: 1.74s	remaining: 1.54s
530:	learn: 0.7374133	total: 1.74s	remaining: 1.54s
531:	learn: 0.7353955	total: 1.75s	remaining: 1.54s
532:	learn: 0.7341116	total: 1.75s	remaining: 1.53s
533:	learn: 0.7328864	total: 1.75s	remaining: 1.53s
534:	learn: 0.7324436	total: 1.76s	remaining: 1.53s
535:	learn: 0.7318137	total: 1.76s	remaining: 1.52s
536:	learn: 0.7310693	total: 1.76s	remaining: 1.52s
537:	learn: 0.7300463	total: 1.76s	remaining: 1.52s
538:	learn: 0.7294677	total: 1.77s	remaining: 1.51s

539:	learn: 0.7281237	total: 1.77s	remaining: 1.51s
540:	learn: 0.7273371	total: 1.78s	remaining: 1.51s
541:	learn: 0.7263852	total: 1.78s	remaining: 1.5s
542:	learn: 0.7252912	total: 1.78s	remaining: 1.5s
543:	learn: 0.7241615	total: 1.79s	remaining: 1.5s
544:	learn: 0.7236256	total: 1.79s	remaining: 1.49s
545:	learn: 0.7229175	total: 1.79s	remaining: 1.49s
546:	learn: 0.7218648	total: 1.8s	remaining: 1.49s
547:	learn: 0.7215500	total: 1.8s	remaining: 1.49s
548:	learn: 0.7211381	total: 1.81s	remaining: 1.48s
549:	learn: 0.7201340	total: 1.81s	remaining: 1.48s
550:	learn: 0.7183211	total: 1.81s	remaining: 1.48s
551:	learn: 0.7179626	total: 1.81s	remaining: 1.47s
552:	learn: 0.7170030	total: 1.82s	remaining: 1.47s
553:	learn: 0.7160448	total: 1.82s	remaining: 1.47s
554:	learn: 0.7158013	total: 1.82s	remaining: 1.46s
555:	learn: 0.7148409	total: 1.83s	remaining: 1.46s
556:	learn: 0.7134438	total: 1.83s	remaining: 1.46s
557:	learn: 0.7121882	total: 1.83s	remaining: 1.45s
558:	learn: 0.7109324	total: 1.84s	remaining: 1.45s
559:	learn: 0.7090452	total: 1.84s	remaining: 1.45s
560:	learn: 0.7084520	total: 1.84s	remaining: 1.44s
561:	learn: 0.7075764	total: 1.85s	remaining: 1.44s
562:	learn: 0.7065982	total: 1.85s	remaining: 1.44s
563:	learn: 0.7058233	total: 1.85s	remaining: 1.43s
564:	learn: 0.7049197	total: 1.86s	remaining: 1.43s
565:	learn: 0.7040521	total: 1.86s	remaining: 1.43s
566:	learn: 0.7033703	total: 1.86s	remaining: 1.42s
567:	learn: 0.7021488	total: 1.87s	remaining: 1.42s
568:	learn: 0.7016898	total: 1.87s	remaining: 1.42s
569:	learn: 0.7006810	total: 1.88s	remaining: 1.41s
570:	learn: 0.7003102	total: 1.88s	remaining: 1.41s
571:	learn: 0.6998697	total: 1.88s	remaining: 1.41s
572:	learn: 0.6985601	total: 1.89s	remaining: 1.41s
573:	learn: 0.6978579	total: 1.89s	remaining: 1.4s
574:	learn: 0.6970404	total: 1.89s	remaining: 1.4s
575:	learn: 0.6963961	total: 1.9s	remaining: 1.4s
576:	learn: 0.6962748	total: 1.9s	remaining: 1.39s
577:	learn: 0.6956705	total: 1.9s	remaining: 1.39s
578:	learn: 0.6952455	total: 1.91s	remaining: 1.39s
579:	learn: 0.6942985	total: 1.91s	remaining: 1.38s
580:	learn: 0.6934412	total: 1.91s	remaining: 1.38s
581:	learn: 0.6929906	total: 1.92s	remaining: 1.38s
582:	learn: 0.6919102	total: 1.92s	remaining: 1.37s
583:	learn: 0.6910315	total: 1.92s	remaining: 1.37s
584:	learn: 0.6891366	total: 1.93s	remaining: 1.37s
585:	learn: 0.6886540	total: 1.93s	remaining: 1.36s
586:	learn: 0.6872815	total: 1.93s	remaining: 1.36s
587:	learn: 0.6868224	total: 1.94s	remaining: 1.36s
588:	learn: 0.6863662	total: 1.94s	remaining: 1.35s
589:	learn: 0.6853039	total: 1.94s	remaining: 1.35s
590:	learn: 0.6843837	total: 1.94s	remaining: 1.34s
591:	learn: 0.6831613	total: 1.95s	remaining: 1.34s
592:	learn: 0.6823276	total: 1.95s	remaining: 1.34s
593:	learn: 0.6809075	total: 1.95s	remaining: 1.33s
594:	learn: 0.6800979	total: 1.96s	remaining: 1.33s
595:	learn: 0.6795496	total: 1.96s	remaining: 1.33s
596:	learn: 0.6792884	total: 1.96s	remaining: 1.33s
597:	learn: 0.6787458	total: 1.97s	remaining: 1.32s
598:	learn: 0.6775892	total: 1.97s	remaining: 1.32s

599:	learn: 0.6771450	total: 1.98s	remaining: 1.32s
600:	learn: 0.6761875	total: 1.98s	remaining: 1.31s
601:	learn: 0.6757404	total: 1.98s	remaining: 1.31s
602:	learn: 0.6750146	total: 1.99s	remaining: 1.31s
603:	learn: 0.6741520	total: 1.99s	remaining: 1.31s
604:	learn: 0.6729428	total: 2s	remaining: 1.3s
605:	learn: 0.6719259	total: 2s	remaining: 1.3s
606:	learn: 0.6708901	total: 2s	remaining: 1.3s
607:	learn: 0.6700355	total: 2.01s	remaining: 1.29s
608:	learn: 0.6686682	total: 2.01s	remaining: 1.29s
609:	learn: 0.6678933	total: 2.01s	remaining: 1.29s
610:	learn: 0.6668918	total: 2.02s	remaining: 1.28s
611:	learn: 0.6661088	total: 2.02s	remaining: 1.28s
612:	learn: 0.6648904	total: 2.02s	remaining: 1.28s
613:	learn: 0.6640959	total: 2.02s	remaining: 1.27s
614:	learn: 0.6633112	total: 2.03s	remaining: 1.27s
615:	learn: 0.6625083	total: 2.03s	remaining: 1.27s
616:	learn: 0.6620452	total: 2.03s	remaining: 1.26s
617:	learn: 0.6619541	total: 2.04s	remaining: 1.26s
618:	learn: 0.6610298	total: 2.04s	remaining: 1.25s
619:	learn: 0.6603393	total: 2.04s	remaining: 1.25s
620:	learn: 0.6595564	total: 2.05s	remaining: 1.25s
621:	learn: 0.6585493	total: 2.05s	remaining: 1.25s
622:	learn: 0.6578708	total: 2.05s	remaining: 1.24s
623:	learn: 0.6576243	total: 2.06s	remaining: 1.24s
624:	learn: 0.6565974	total: 2.06s	remaining: 1.24s
625:	learn: 0.6557439	total: 2.06s	remaining: 1.23s
626:	learn: 0.6551855	total: 2.07s	remaining: 1.23s
627:	learn: 0.6542620	total: 2.07s	remaining: 1.23s
628:	learn: 0.6529595	total: 2.07s	remaining: 1.22s
629:	learn: 0.6518294	total: 2.08s	remaining: 1.22s
630:	learn: 0.6509556	total: 2.08s	remaining: 1.22s
631:	learn: 0.6500063	total: 2.08s	remaining: 1.21s
632:	learn: 0.6492333	total: 2.09s	remaining: 1.21s
633:	learn: 0.6485628	total: 2.09s	remaining: 1.21s
634:	learn: 0.6481467	total: 2.09s	remaining: 1.2s
635:	learn: 0.6477776	total: 2.1s	remaining: 1.2s
636:	learn: 0.6471180	total: 2.1s	remaining: 1.2s
637:	learn: 0.6468454	total: 2.1s	remaining: 1.19s
638:	learn: 0.6462922	total: 2.11s	remaining: 1.19s
639:	learn: 0.6453098	total: 2.11s	remaining: 1.19s
640:	learn: 0.6450326	total: 2.11s	remaining: 1.18s
641:	learn: 0.6443367	total: 2.12s	remaining: 1.18s
642:	learn: 0.6431921	total: 2.12s	remaining: 1.18s
643:	learn: 0.6425968	total: 2.12s	remaining: 1.17s
644:	learn: 0.6418981	total: 2.12s	remaining: 1.17s
645:	learn: 0.6416578	total: 2.13s	remaining: 1.17s
646:	learn: 0.6410828	total: 2.13s	remaining: 1.16s
647:	learn: 0.6406099	total: 2.13s	remaining: 1.16s
648:	learn: 0.6396398	total: 2.14s	remaining: 1.16s
649:	learn: 0.6392447	total: 2.14s	remaining: 1.15s
650:	learn: 0.6386662	total: 2.14s	remaining: 1.15s
651:	learn: 0.6377677	total: 2.15s	remaining: 1.15s
652:	learn: 0.6372672	total: 2.15s	remaining: 1.14s
653:	learn: 0.6368502	total: 2.15s	remaining: 1.14s
654:	learn: 0.6359783	total: 2.15s	remaining: 1.13s
655:	learn: 0.6352402	total: 2.16s	remaining: 1.13s
656:	learn: 0.6341159	total: 2.16s	remaining: 1.13s
657:	learn: 0.6337298	total: 2.16s	remaining: 1.12s
658:	learn: 0.6328802	total: 2.17s	remaining: 1.12s

659:	learn: 0.6322632	total: 2.17s	remaining: 1.12s
660:	learn: 0.6318209	total: 2.17s	remaining: 1.11s
661:	learn: 0.6312234	total: 2.18s	remaining: 1.11s
662:	learn: 0.6308945	total: 2.18s	remaining: 1.11s
663:	learn: 0.6300197	total: 2.19s	remaining: 1.11s
664:	learn: 0.6295178	total: 2.19s	remaining: 1.1s
665:	learn: 0.6289206	total: 2.2s	remaining: 1.1s
666:	learn: 0.6283761	total: 2.2s	remaining: 1.1s
667:	learn: 0.6281108	total: 2.2s	remaining: 1.09s
668:	learn: 0.6277084	total: 2.2s	remaining: 1.09s
669:	learn: 0.6271111	total: 2.21s	remaining: 1.09s
670:	learn: 0.6265879	total: 2.21s	remaining: 1.08s
671:	learn: 0.6262400	total: 2.21s	remaining: 1.08s
672:	learn: 0.6257322	total: 2.22s	remaining: 1.08s
673:	learn: 0.6253656	total: 2.22s	remaining: 1.07s
674:	learn: 0.6251064	total: 2.22s	remaining: 1.07s
675:	learn: 0.6247502	total: 2.23s	remaining: 1.07s
676:	learn: 0.6243550	total: 2.23s	remaining: 1.06s
677:	learn: 0.6239325	total: 2.23s	remaining: 1.06s
678:	learn: 0.6235984	total: 2.23s	remaining: 1.05s
679:	learn: 0.6228764	total: 2.24s	remaining: 1.05s
680:	learn: 0.6221106	total: 2.24s	remaining: 1.05s
681:	learn: 0.6212529	total: 2.24s	remaining: 1.04s
682:	learn: 0.6207015	total: 2.25s	remaining: 1.04s
683:	learn: 0.6203377	total: 2.25s	remaining: 1.04s
684:	learn: 0.6201437	total: 2.25s	remaining: 1.03s
685:	learn: 0.6196884	total: 2.25s	remaining: 1.03s
686:	learn: 0.6186270	total: 2.26s	remaining: 1.03s
687:	learn: 0.6184813	total: 2.26s	remaining: 1.02s
688:	learn: 0.6178313	total: 2.26s	remaining: 1.02s
689:	learn: 0.6175567	total: 2.27s	remaining: 1.02s
690:	learn: 0.6170429	total: 2.27s	remaining: 1.01s
691:	learn: 0.6166040	total: 2.27s	remaining: 1.01s
692:	learn: 0.6159956	total: 2.27s	remaining: 1.01s
693:	learn: 0.6152214	total: 2.28s	remaining: 1s
694:	learn: 0.6147562	total: 2.28s	remaining: 1s
695:	learn: 0.6141648	total: 2.28s	remaining: 998ms
696:	learn: 0.6136544	total: 2.29s	remaining: 994ms
697:	learn: 0.6128776	total: 2.29s	remaining: 991ms
698:	learn: 0.6121796	total: 2.29s	remaining: 988ms
699:	learn: 0.6117390	total: 2.3s	remaining: 984ms
700:	learn: 0.6111607	total: 2.3s	remaining: 981ms
701:	learn: 0.6107199	total: 2.3s	remaining: 978ms
702:	learn: 0.6102866	total: 2.31s	remaining: 974ms
703:	learn: 0.6094960	total: 2.31s	remaining: 971ms
704:	learn: 0.6088606	total: 2.32s	remaining: 969ms
705:	learn: 0.6082647	total: 2.32s	remaining: 967ms
706:	learn: 0.6074347	total: 2.32s	remaining: 964ms
707:	learn: 0.6069828	total: 2.33s	remaining: 960ms
708:	learn: 0.6064190	total: 2.33s	remaining: 957ms
709:	learn: 0.6056203	total: 2.33s	remaining: 954ms
710:	learn: 0.6051599	total: 2.34s	remaining: 951ms
711:	learn: 0.6047526	total: 2.34s	remaining: 947ms
712:	learn: 0.6045507	total: 2.35s	remaining: 944ms
713:	learn: 0.6041003	total: 2.35s	remaining: 941ms
714:	learn: 0.6036343	total: 2.35s	remaining: 937ms
715:	learn: 0.6031471	total: 2.35s	remaining: 934ms
716:	learn: 0.6028178	total: 2.36s	remaining: 930ms
717:	learn: 0.6021780	total: 2.36s	remaining: 927ms
718:	learn: 0.6014934	total: 2.36s	remaining: 924ms

719:	learn: 0.6003032	total: 2.37s	remaining: 920ms
720:	learn: 0.5994963	total: 2.37s	remaining: 917ms
721:	learn: 0.5986888	total: 2.38s	remaining: 915ms
722:	learn: 0.5979038	total: 2.38s	remaining: 911ms
723:	learn: 0.5973313	total: 2.38s	remaining: 908ms
724:	learn: 0.5969276	total: 2.38s	remaining: 905ms
725:	learn: 0.5964158	total: 2.39s	remaining: 902ms
726:	learn: 0.5960987	total: 2.39s	remaining: 898ms
727:	learn: 0.5958082	total: 2.4s	remaining: 896ms
728:	learn: 0.5951866	total: 2.4s	remaining: 893ms
729:	learn: 0.5949171	total: 2.4s	remaining: 890ms
730:	learn: 0.5943526	total: 2.41s	remaining: 886ms
731:	learn: 0.5939545	total: 2.41s	remaining: 883ms
732:	learn: 0.5934567	total: 2.42s	remaining: 880ms
733:	learn: 0.5929050	total: 2.42s	remaining: 876ms
734:	learn: 0.5924799	total: 2.42s	remaining: 873ms
735:	learn: 0.5922315	total: 2.42s	remaining: 869ms
736:	learn: 0.5916693	total: 2.43s	remaining: 866ms
737:	learn: 0.5910448	total: 2.43s	remaining: 863ms
738:	learn: 0.5904933	total: 2.43s	remaining: 859ms
739:	learn: 0.5896959	total: 2.44s	remaining: 856ms
740:	learn: 0.5891469	total: 2.44s	remaining: 852ms
741:	learn: 0.5890210	total: 2.44s	remaining: 849ms
742:	learn: 0.5885510	total: 2.44s	remaining: 846ms
743:	learn: 0.5880179	total: 2.45s	remaining: 842ms
744:	learn: 0.5876256	total: 2.45s	remaining: 839ms
745:	learn: 0.5872203	total: 2.45s	remaining: 835ms
746:	learn: 0.5868540	total: 2.46s	remaining: 832ms
747:	learn: 0.5861493	total: 2.46s	remaining: 829ms
748:	learn: 0.5856499	total: 2.46s	remaining: 825ms
749:	learn: 0.5850944	total: 2.46s	remaining: 822ms
750:	learn: 0.5846957	total: 2.47s	remaining: 819ms
751:	learn: 0.5842503	total: 2.47s	remaining: 815ms
752:	learn: 0.5837265	total: 2.47s	remaining: 812ms
753:	learn: 0.5834018	total: 2.48s	remaining: 808ms
754:	learn: 0.5830621	total: 2.48s	remaining: 805ms
755:	learn: 0.5828847	total: 2.48s	remaining: 801ms
756:	learn: 0.5826698	total: 2.48s	remaining: 798ms
757:	learn: 0.5821328	total: 2.49s	remaining: 795ms
758:	learn: 0.5818053	total: 2.49s	remaining: 791ms
759:	learn: 0.5813277	total: 2.5s	remaining: 788ms
760:	learn: 0.5812872	total: 2.5s	remaining: 785ms
761:	learn: 0.5806774	total: 2.5s	remaining: 781ms
762:	learn: 0.5802455	total: 2.5s	remaining: 778ms
763:	learn: 0.5795755	total: 2.51s	remaining: 774ms
764:	learn: 0.5792344	total: 2.51s	remaining: 771ms
765:	learn: 0.5788259	total: 2.51s	remaining: 768ms
766:	learn: 0.5782947	total: 2.52s	remaining: 764ms
767:	learn: 0.5778516	total: 2.52s	remaining: 761ms
768:	learn: 0.5774508	total: 2.52s	remaining: 757ms
769:	learn: 0.5768692	total: 2.53s	remaining: 757ms
770:	learn: 0.5768406	total: 2.54s	remaining: 756ms
771:	learn: 0.5764785	total: 2.56s	remaining: 755ms
772:	learn: 0.5760453	total: 2.57s	remaining: 755ms
773:	learn: 0.5754766	total: 2.58s	remaining: 753ms
774:	learn: 0.5750793	total: 2.58s	remaining: 750ms
775:	learn: 0.5745750	total: 2.58s	remaining: 746ms
776:	learn: 0.5741805	total: 2.59s	remaining: 743ms
777:	learn: 0.5736998	total: 2.59s	remaining: 740ms
778:	learn: 0.5732585	total: 2.59s	remaining: 736ms

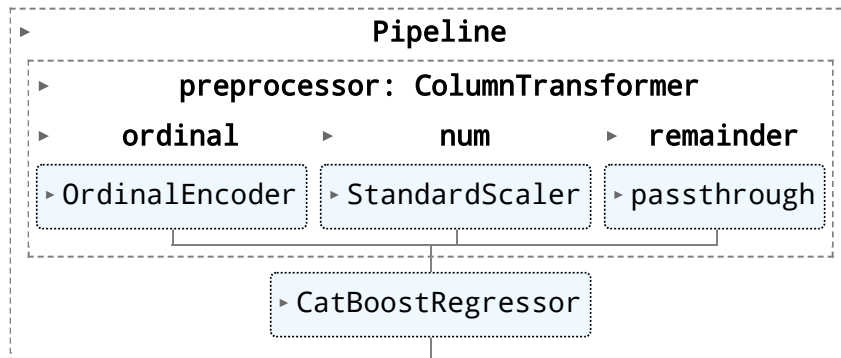
779:	learn: 0.5730062	total: 2.6s	remaining: 733ms
780:	learn: 0.5725646	total: 2.6s	remaining: 729ms
781:	learn: 0.5715701	total: 2.6s	remaining: 726ms
782:	learn: 0.5709490	total: 2.61s	remaining: 723ms
783:	learn: 0.5700811	total: 2.61s	remaining: 719ms
784:	learn: 0.5697194	total: 2.61s	remaining: 716ms
785:	learn: 0.5697108	total: 2.62s	remaining: 713ms
786:	learn: 0.5693088	total: 2.62s	remaining: 709ms
787:	learn: 0.5687078	total: 2.62s	remaining: 706ms
788:	learn: 0.5681147	total: 2.63s	remaining: 702ms
789:	learn: 0.5680043	total: 2.63s	remaining: 699ms
790:	learn: 0.5671350	total: 2.63s	remaining: 696ms
791:	learn: 0.5667081	total: 2.64s	remaining: 692ms
792:	learn: 0.5660549	total: 2.64s	remaining: 689ms
793:	learn: 0.5656731	total: 2.64s	remaining: 686ms
794:	learn: 0.5650182	total: 2.65s	remaining: 682ms
795:	learn: 0.5647291	total: 2.65s	remaining: 679ms
796:	learn: 0.5645890	total: 2.65s	remaining: 675ms
797:	learn: 0.5642441	total: 2.65s	remaining: 672ms
798:	learn: 0.5641531	total: 2.66s	remaining: 668ms
799:	learn: 0.5640724	total: 2.66s	remaining: 665ms
800:	learn: 0.5633071	total: 2.66s	remaining: 661ms
801:	learn: 0.5628100	total: 2.67s	remaining: 658ms
802:	learn: 0.5625234	total: 2.67s	remaining: 655ms
803:	learn: 0.5620841	total: 2.67s	remaining: 651ms
804:	learn: 0.5615525	total: 2.67s	remaining: 648ms
805:	learn: 0.5612295	total: 2.68s	remaining: 644ms
806:	learn: 0.5608098	total: 2.68s	remaining: 641ms
807:	learn: 0.5601221	total: 2.68s	remaining: 637ms
808:	learn: 0.5597759	total: 2.69s	remaining: 634ms
809:	learn: 0.5592852	total: 2.69s	remaining: 631ms
810:	learn: 0.5592057	total: 2.69s	remaining: 627ms
811:	learn: 0.5586285	total: 2.69s	remaining: 624ms
812:	learn: 0.5581148	total: 2.7s	remaining: 620ms
813:	learn: 0.5577729	total: 2.7s	remaining: 617ms
814:	learn: 0.5572494	total: 2.7s	remaining: 614ms
815:	learn: 0.5570989	total: 2.71s	remaining: 610ms
816:	learn: 0.5567708	total: 2.71s	remaining: 607ms
817:	learn: 0.5562621	total: 2.71s	remaining: 604ms
818:	learn: 0.5557506	total: 2.71s	remaining: 600ms
819:	learn: 0.5553856	total: 2.72s	remaining: 597ms
820:	learn: 0.5550515	total: 2.72s	remaining: 593ms
821:	learn: 0.5543882	total: 2.72s	remaining: 590ms
822:	learn: 0.5540898	total: 2.73s	remaining: 587ms
823:	learn: 0.5533915	total: 2.73s	remaining: 583ms
824:	learn: 0.5529416	total: 2.73s	remaining: 580ms
825:	learn: 0.5526571	total: 2.74s	remaining: 577ms
826:	learn: 0.5520772	total: 2.74s	remaining: 574ms
827:	learn: 0.5515419	total: 2.75s	remaining: 571ms
828:	learn: 0.5512765	total: 2.75s	remaining: 568ms
829:	learn: 0.5512692	total: 2.76s	remaining: 565ms
830:	learn: 0.5507280	total: 2.76s	remaining: 562ms
831:	learn: 0.5503785	total: 2.76s	remaining: 558ms
832:	learn: 0.5499766	total: 2.77s	remaining: 555ms
833:	learn: 0.5496995	total: 2.77s	remaining: 552ms
834:	learn: 0.5493831	total: 2.77s	remaining: 548ms
835:	learn: 0.5490012	total: 2.78s	remaining: 545ms
836:	learn: 0.5485979	total: 2.78s	remaining: 541ms
837:	learn: 0.5483129	total: 2.78s	remaining: 538ms
838:	learn: 0.5482384	total: 2.78s	remaining: 534ms

839:	learn: 0.5482091	total: 2.79s	remaining: 531ms
840:	learn: 0.5477158	total: 2.79s	remaining: 528ms
841:	learn: 0.5472162	total: 2.79s	remaining: 524ms
842:	learn: 0.5471223	total: 2.79s	remaining: 521ms
843:	learn: 0.5466194	total: 2.8s	remaining: 517ms
844:	learn: 0.5464666	total: 2.8s	remaining: 514ms
845:	learn: 0.5460423	total: 2.8s	remaining: 510ms
846:	learn: 0.5456156	total: 2.81s	remaining: 507ms
847:	learn: 0.5452469	total: 2.81s	remaining: 504ms
848:	learn: 0.5447750	total: 2.81s	remaining: 500ms
849:	learn: 0.5445123	total: 2.82s	remaining: 497ms
850:	learn: 0.5441224	total: 2.82s	remaining: 494ms
851:	learn: 0.5437963	total: 2.82s	remaining: 490ms
852:	learn: 0.5434163	total: 2.82s	remaining: 487ms
853:	learn: 0.5428916	total: 2.83s	remaining: 483ms
854:	learn: 0.5425038	total: 2.83s	remaining: 480ms
855:	learn: 0.5421418	total: 2.83s	remaining: 477ms
856:	learn: 0.5417916	total: 2.84s	remaining: 473ms
857:	learn: 0.5415783	total: 2.84s	remaining: 470ms
858:	learn: 0.5413349	total: 2.84s	remaining: 466ms
859:	learn: 0.5409462	total: 2.84s	remaining: 463ms
860:	learn: 0.5407288	total: 2.85s	remaining: 460ms
861:	learn: 0.5405131	total: 2.85s	remaining: 456ms
862:	learn: 0.5402001	total: 2.85s	remaining: 453ms
863:	learn: 0.5398652	total: 2.86s	remaining: 450ms
864:	learn: 0.5392393	total: 2.86s	remaining: 446ms
865:	learn: 0.5385937	total: 2.86s	remaining: 443ms
866:	learn: 0.5381510	total: 2.87s	remaining: 440ms
867:	learn: 0.5374619	total: 2.87s	remaining: 436ms
868:	learn: 0.5371759	total: 2.87s	remaining: 433ms
869:	learn: 0.5369828	total: 2.87s	remaining: 429ms
870:	learn: 0.5364452	total: 2.88s	remaining: 426ms
871:	learn: 0.5361619	total: 2.88s	remaining: 423ms
872:	learn: 0.5358644	total: 2.88s	remaining: 419ms
873:	learn: 0.5356053	total: 2.88s	remaining: 416ms
874:	learn: 0.5354866	total: 2.89s	remaining: 412ms
875:	learn: 0.5352163	total: 2.89s	remaining: 409ms
876:	learn: 0.5350748	total: 2.89s	remaining: 406ms
877:	learn: 0.5348751	total: 2.9s	remaining: 402ms
878:	learn: 0.5342672	total: 2.9s	remaining: 399ms
879:	learn: 0.5337392	total: 2.9s	remaining: 396ms
880:	learn: 0.5334068	total: 2.9s	remaining: 392ms
881:	learn: 0.5331562	total: 2.91s	remaining: 389ms
882:	learn: 0.5326378	total: 2.91s	remaining: 386ms
883:	learn: 0.5323443	total: 2.91s	remaining: 382ms
884:	learn: 0.5321285	total: 2.92s	remaining: 379ms
885:	learn: 0.5319409	total: 2.92s	remaining: 376ms
886:	learn: 0.5315109	total: 2.92s	remaining: 372ms
887:	learn: 0.5311545	total: 2.92s	remaining: 369ms
888:	learn: 0.5306859	total: 2.93s	remaining: 366ms
889:	learn: 0.5305031	total: 2.93s	remaining: 362ms
890:	learn: 0.5304327	total: 2.93s	remaining: 359ms
891:	learn: 0.5300888	total: 2.94s	remaining: 356ms
892:	learn: 0.5295517	total: 2.94s	remaining: 353ms
893:	learn: 0.5292703	total: 2.95s	remaining: 349ms
894:	learn: 0.5287296	total: 2.95s	remaining: 346ms
895:	learn: 0.5285991	total: 2.95s	remaining: 343ms
896:	learn: 0.5282753	total: 2.96s	remaining: 340ms
897:	learn: 0.5278640	total: 2.96s	remaining: 336ms
898:	learn: 0.5277739	total: 2.96s	remaining: 333ms

899:	learn: 0.5275105	total: 2.97s	remaining: 330ms
900:	learn: 0.5271104	total: 2.97s	remaining: 326ms
901:	learn: 0.5266433	total: 2.97s	remaining: 323ms
902:	learn: 0.5258664	total: 2.98s	remaining: 320ms
903:	learn: 0.5256989	total: 2.98s	remaining: 316ms
904:	learn: 0.5251171	total: 2.98s	remaining: 313ms
905:	learn: 0.5245182	total: 2.98s	remaining: 310ms
906:	learn: 0.5244165	total: 2.99s	remaining: 306ms
907:	learn: 0.5239520	total: 2.99s	remaining: 303ms
908:	learn: 0.5236574	total: 2.99s	remaining: 300ms
909:	learn: 0.5232315	total: 3s	remaining: 297ms
910:	learn: 0.5229373	total: 3s	remaining: 293ms
911:	learn: 0.5226835	total: 3s	remaining: 290ms
912:	learn: 0.5222754	total: 3.01s	remaining: 287ms
913:	learn: 0.5219820	total: 3.01s	remaining: 283ms
914:	learn: 0.5215850	total: 3.01s	remaining: 280ms
915:	learn: 0.5212119	total: 3.02s	remaining: 277ms
916:	learn: 0.5208165	total: 3.02s	remaining: 273ms
917:	learn: 0.5205880	total: 3.02s	remaining: 270ms
918:	learn: 0.5202099	total: 3.02s	remaining: 267ms
919:	learn: 0.5196798	total: 3.03s	remaining: 263ms
920:	learn: 0.5194944	total: 3.03s	remaining: 260ms
921:	learn: 0.5191522	total: 3.03s	remaining: 257ms
922:	learn: 0.5190473	total: 3.04s	remaining: 253ms
923:	learn: 0.5188354	total: 3.04s	remaining: 250ms
924:	learn: 0.5186125	total: 3.04s	remaining: 247ms
925:	learn: 0.5183741	total: 3.04s	remaining: 243ms
926:	learn: 0.5181923	total: 3.05s	remaining: 240ms
927:	learn: 0.5179661	total: 3.05s	remaining: 237ms
928:	learn: 0.5173800	total: 3.05s	remaining: 233ms
929:	learn: 0.5173747	total: 3.06s	remaining: 230ms
930:	learn: 0.5172075	total: 3.06s	remaining: 227ms
931:	learn: 0.5169253	total: 3.06s	remaining: 223ms
932:	learn: 0.5166005	total: 3.06s	remaining: 220ms
933:	learn: 0.5162998	total: 3.07s	remaining: 217ms
934:	learn: 0.5161349	total: 3.07s	remaining: 213ms
935:	learn: 0.5157134	total: 3.07s	remaining: 210ms
936:	learn: 0.5154920	total: 3.08s	remaining: 207ms
937:	learn: 0.5152054	total: 3.08s	remaining: 204ms
938:	learn: 0.5149717	total: 3.08s	remaining: 200ms
939:	learn: 0.5144505	total: 3.09s	remaining: 197ms
940:	learn: 0.5139164	total: 3.09s	remaining: 194ms
941:	learn: 0.5139110	total: 3.09s	remaining: 190ms
942:	learn: 0.5137275	total: 3.1s	remaining: 187ms
943:	learn: 0.5134037	total: 3.1s	remaining: 184ms
944:	learn: 0.5131653	total: 3.1s	remaining: 181ms
945:	learn: 0.5128482	total: 3.11s	remaining: 177ms
946:	learn: 0.5126443	total: 3.11s	remaining: 174ms
947:	learn: 0.5125096	total: 3.11s	remaining: 171ms
948:	learn: 0.5121840	total: 3.12s	remaining: 167ms
949:	learn: 0.5115811	total: 3.12s	remaining: 164ms
950:	learn: 0.5113894	total: 3.12s	remaining: 161ms
951:	learn: 0.5113848	total: 3.12s	remaining: 158ms
952:	learn: 0.5110740	total: 3.13s	remaining: 154ms
953:	learn: 0.5108175	total: 3.13s	remaining: 151ms
954:	learn: 0.5102872	total: 3.14s	remaining: 148ms
955:	learn: 0.5097655	total: 3.14s	remaining: 145ms
956:	learn: 0.5093200	total: 3.14s	remaining: 141ms
957:	learn: 0.5090466	total: 3.15s	remaining: 138ms
958:	learn: 0.5088079	total: 3.15s	remaining: 135ms

959:	learn: 0.5083453	total: 3.15s	remaining: 131ms
960:	learn: 0.5082340	total: 3.16s	remaining: 128ms
961:	learn: 0.5079439	total: 3.16s	remaining: 125ms
962:	learn: 0.5076374	total: 3.16s	remaining: 122ms
963:	learn: 0.5072250	total: 3.17s	remaining: 118ms
964:	learn: 0.5070150	total: 3.17s	remaining: 115ms
965:	learn: 0.5067416	total: 3.17s	remaining: 112ms
966:	learn: 0.5064285	total: 3.17s	remaining: 108ms
967:	learn: 0.5062607	total: 3.18s	remaining: 105ms
968:	learn: 0.5060584	total: 3.18s	remaining: 102ms
969:	learn: 0.5054475	total: 3.18s	remaining: 98.5ms
970:	learn: 0.5052798	total: 3.19s	remaining: 95.2ms
971:	learn: 0.5051439	total: 3.19s	remaining: 91.9ms
972:	learn: 0.5048534	total: 3.19s	remaining: 88.6ms
973:	learn: 0.5046739	total: 3.19s	remaining: 85.3ms
974:	learn: 0.5044998	total: 3.2s	remaining: 82ms
975:	learn: 0.5040951	total: 3.2s	remaining: 78.7ms
976:	learn: 0.5038872	total: 3.2s	remaining: 75.4ms
977:	learn: 0.5038838	total: 3.21s	remaining: 72.1ms
978:	learn: 0.5036164	total: 3.21s	remaining: 68.9ms
979:	learn: 0.5031450	total: 3.22s	remaining: 65.7ms
980:	learn: 0.5028053	total: 3.22s	remaining: 62.4ms
981:	learn: 0.5025576	total: 3.23s	remaining: 59.1ms
982:	learn: 0.5024213	total: 3.23s	remaining: 55.8ms
983:	learn: 0.5022025	total: 3.23s	remaining: 52.5ms
984:	learn: 0.5016977	total: 3.23s	remaining: 49.3ms
985:	learn: 0.5015110	total: 3.24s	remaining: 46ms
986:	learn: 0.5010695	total: 3.24s	remaining: 42.7ms
987:	learn: 0.5009636	total: 3.24s	remaining: 39.4ms
988:	learn: 0.5006842	total: 3.25s	remaining: 36.1ms
989:	learn: 0.5000761	total: 3.25s	remaining: 32.8ms
990:	learn: 0.4998355	total: 3.25s	remaining: 29.5ms
991:	learn: 0.4993855	total: 3.25s	remaining: 26.3ms
992:	learn: 0.4991846	total: 3.26s	remaining: 23ms
993:	learn: 0.4989407	total: 3.26s	remaining: 19.7ms
994:	learn: 0.4986020	total: 3.26s	remaining: 16.4ms
995:	learn: 0.4984136	total: 3.27s	remaining: 13.1ms
996:	learn: 0.4984093	total: 3.27s	remaining: 9.84ms
997:	learn: 0.4982120	total: 3.27s	remaining: 6.56ms
998:	learn: 0.4980619	total: 3.27s	remaining: 3.28ms
999:	learn: 0.4978440	total: 3.28s	remaining: 0us

Out[84]:



In [85]: `pipeline.predict(sample)`

Out[85]: `array([231.933901])`

In [87]: `pickle.dump(pipeline, open('calories_burnt_prediction.pkl', 'wb'))`

```
In [88]: model = pickle.load(open('calories_burnt_prediction.pkl','rb'))
```

```
In [89]: result = pipeline.predict(sample)
```

```
In [90]: result
```

```
Out[90]: array([231.933901])
```

```
In [92]: import pickle
import pandas as pd
from tkinter import *

def show_entry():

    with open('calories_burnt_prediction.pkl','rb') as f:
        pipeline = pickle.load(f)

    p1 = str(clicked.get())
    p2 = float(e2.get())
    p3 = float(e3.get())
    p4 = float(e4.get())
    p5 = float(e5.get())
    p6 = float(e6.get())
    p7 = float(e7.get())

    sample = pd.DataFrame({
        'Gender':[p1],
        'Age':[p2],
        'Height':[p3],
        'Weight':[p4],
        'Duration':[p5],
        'Heart_Rate':[p6],
        'Body_Temp':[p7],
    },index=[0])

    result = pipeline.predict(sample)
    print(result)
    Label(master, text='Amount of Calories Burnt').grid(row=13)
    Label(master, text=result[0]).grid(row=14)

master =Tk()
master.title('Calories Burnt Prediction using Machine Learning')
label = Label(master,text='Calories Burnt Prediction',bg='black',
               fg='white').grid(row=0,columnspan=2)

Label(master,text = 'Select Gender').grid(row=1)
Label(master,text = 'Enter Your Age').grid(row=2)
Label(master,text = 'Enter Your Height').grid(row=3)
Label(master,text = 'Enter Your Weight').grid(row=4)
Label(master,text = 'Duration').grid(row=5)
Label(master,text = 'Heart Rate').grid(row=6)
Label(master,text = 'Body Temp').grid(row=7)

clicked = StringVar()
options = ['male', 'female']

e1 = OptionMenu(master , clicked , *options )
```

```

e1.configure(width=15)
e2 = Entry(master)
e3 = Entry(master)
e4 = Entry(master)
e5 = Entry(master)
e6 = Entry(master)
e7 = Entry(master)

e1.grid(row=1,column=1)
e2.grid(row=2,column=1)
e3.grid(row=3,column=1)
e4.grid(row=4,column=1)
e5.grid(row=5,column=1)
e6.grid(row=6,column=1)
e7.grid(row=7,column=1)

Button(master,text='Predict',command=show_entry).grid()

mainloop()

```

[231.933901]

Calories Burnt Prediction using Machine Learning

Calories Burnt Prediction

Select Gender	male
Enter Your Age	68
Enter Your Height	190.0
Enter Your Weight	94.0
Duration	29.0
Heart Rate	105.0
Body Temp	40.8

Amount of Calories Burnt

231.9339009956695

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