```
1 import numpy as np
In [41]:
           2 import pandas as pd
           4 import seaborn as sns
           5 import matplotlib.pyplot as plt
           6 %matplotlib inline
           8 from tadm import tadm
           9 import random
          10 import pickle
          11
          12 from sklearn.model selection import train test split
          13 from sklearn.preprocessing import LabelEncoder
          14
          15 from sklearn.preprocessing import MinMaxScaler
          16 from sklearn.preprocessing import StandardScaler
          17 from sklearn.preprocessing import MaxAbsScaler
          18 from sklearn.preprocessing import RobustScaler
          19 from sklearn.preprocessing import QuantileTransformer
          20 from sklearn.preprocessing import PowerTransformer
          21 from sklearn.preprocessing import Normalizer
          22
          23 from sklearn.linear model import LogisticRegression
          24 from sklearn.neighbors import KNeighborsClassifier
          25 from sklearn.naive bayes import GaussianNB
          26 from sklearn.tree import DecisionTreeClassifier
          27 from sklearn.ensemble import RandomForestClassifier
          28
          29 from sklearn.metrics import accuracy score
          30 from sklearn.metrics import log loss
          31 from sklearn.metrics import cohen kappa score
          32 from sklearn.metrics import confusion matrix
          33 from sklearn import metrics
          34
          35 # for ignore warnings
          36 import warnings
          37 warnings.filterwarnings("ignore")
```

38

```
1 df = pd.read_csv('Dataset\df.csv')
In [42]:
            2 df.head()
Out[42]:
             itching skin_rash nodal_skin_eruptions continuous_sneezing shivering chills joint_pain stomach_pain acidity ulcers_on_tongue ... skin_peeling silver_like_dust
                           1
                                               1
                                                                  0
                                                                           0
                                                                                 0
                                                                                           0
                                                                                                        0
                                                                                                                                0 ...
                                                                                                                                0 ...
                           1
                                                                  0
                                                                           0
                                                                                 0
                                                                                           0
                                                                                                        0
                                                                                                                                               0
                                                                                                                                0 ...
           2
                           0
                                                                  0
                                                                           0
                                                                                 0
                                                                                           0
                                                                                                        0
                                                                                                               0
                                                                                                                                               0
                                                                                                                                0 ...
           3
                           1
                                                                  0
                                                                           0
                                                                                 0
                                                                                           0
                                                                                                        0
                                                                                                                                0 ...
                           1
                                                                  0
                                                                           0
                                                                                 0
                                                                                           0
                                                                                                        0
          5 rows × 135 columns
           1 df.shape
In [43]:
```

Out[43]: (4920, 135)

```
1 # creating instance of labelencoder
In [44]:
           2 le = LabelEncoder()
           3 # Assigning numerical values and storing in another column
           4 df['class prognosis'] = le.fit transform(df['prognosis'])
            5 df.head()
Out[44]:
             itching skin_rash nodal_skin_eruptions continuous_sneezing shivering chills joint_pain stomach_pain acidity ulcers_on_tongue ... skin_peeling silver_like_dust
                                                                                                                            0 ...
                           1
                                              1
                                                                0
                                                                               0
                                                                                        0
                                                                                                     0
                                                                                                                                           0
                                                                                                                            0 ...
                           1
                                                                0
                                                                         0
                                                                               0
                                                                                         0
                           0
                                                                0
                                                                         0
                                                                               0
                                                                                        0
                                                                                                     0
                                                                                                                            0 ...
           2
                                                                                                                                           0
                                                                0
                                                                               0
                           1
                                                                         0
                                                                                        0
                                                                                                     0
                                                                                                                            0 ...
                           1
                                                                0
                                                                         0
                                                                               0
                                                                                        0
                                                                                                     0
                                                                                                                            0 ...
                                                                                                            0
          5 rows × 135 columns
           1 #print(sorted(list(df['class_prognosis'].unique())))
In [45]:
           1 #df['class_prognosis'].value_counts()
In [46]:
           1 # Drop unwanted columns
In [47]:
           2 df = df.drop(['prognosis','sum'], axis=1)
In [48]:
           1 # Split data
           2 X, Y = df.iloc[:,:-1], df.iloc[:,-1]
```

3 X train, X test, y train, y test = train test split(X,Y, test size = 0.3, random state = 42, stratify = Y)

```
BLACKBOX AI
```

```
1 # Model initialization
In [49]:
           2 lr_Classifier = LogisticRegression()
           3 knn Classifier = KNeighborsClassifier()
           4 gnb Classifier = GaussianNB()
           5 dt Classifier = DecisionTreeClassifier()
           6 rf_Classifier = RandomForestClassifier()
           7 model list = [lr Classifier, knn Classifier, gnb Classifier, dt Classifier, rf Classifier]
           9 # Scaler initialization
          10 MinMax scaler = MinMaxScaler()
          11 Standard scaler = StandardScaler()
          12 MaxAbs scaler = MaxAbsScaler()
          13 Robust_scaler = RobustScaler()
          14 Quantile_scaler = QuantileTransformer()
          15 Power_scaler = PowerTransformer()
          16 Normalizer scaler = Normalizer()
          | 17 | scaler list = [MinMax scaler, Standard scaler, MaxAbs scaler, Robust scaler,
                            Quantile scaler, Power scaler, Normalizer scaler]
```

```
1 def run pipeline(X_train, X_test, y_train, y_test, scaler, classifier):
In [54]:
                 # Model Information
           3
                 print(f"Modele name : {type(classifier). name }")
           4
                 print(f"Scaler name : {type(scaler). name }")
           5
           6
                 # process 1 : fit and transform X train data
           7
                 scaled X train = scaler.fit transform(X train)
           8
           9
                 # process 2 : train model
                 classifier.fit(scaled X train, y train)
          10
          11
          12
                 # process 3 : transform X test data
          13
                 scaled X test = scaler.transform(X test)
          14
          15
                 # process 4 : test model
          16
                 v pred = classifier.predict(scaled X test)
          17
                 # print(v pred, le.inverse transform(v pred))
          18
          19
                 # process 5 : model evalution
                 print("Accuracy score:", round((accuracy score(y test, y pred))*100,2),'%')
          20
          21
                 print("Loss:", round((1-accuracy score(y test, y pred))*100,2),'%')
          22
                 print("Cohen kappa score:", round((cohen kappa score(y test, y pred))*100,2),'%')
                 print("Classification report:\n",metrics.classification report(y test, y pred))
          23
                 print("confusion matrix:\n", confusion matrix(y test, y pred))
          24
          25
                 # plot confusion matrix
                 fig, ax = plt.subplots()
          26
          27
                 fig.set size inches(12,8) # WH
          28
                 sns.heatmap(confusion matrix(y test, y pred),
          29
                             annot=True,
          30
                             linewidths = 2,
          31
                             linecolor = "blue",
          32
                             center=0)
          33
                 plt.show()
          34
          35
                 # process 6 : save model in pkl file
                 filename = str(type(classifier). name )+' Symtoms.pkl'
          36
                 pickle.dump(classifier, open(filename, 'wb'))
          37
          38
          39
                 # end
          40
                 print("==="*30)
          41
                 print("\n\n")
          42
                 time.sleep(3)
```

Modele name : LogisticRegression

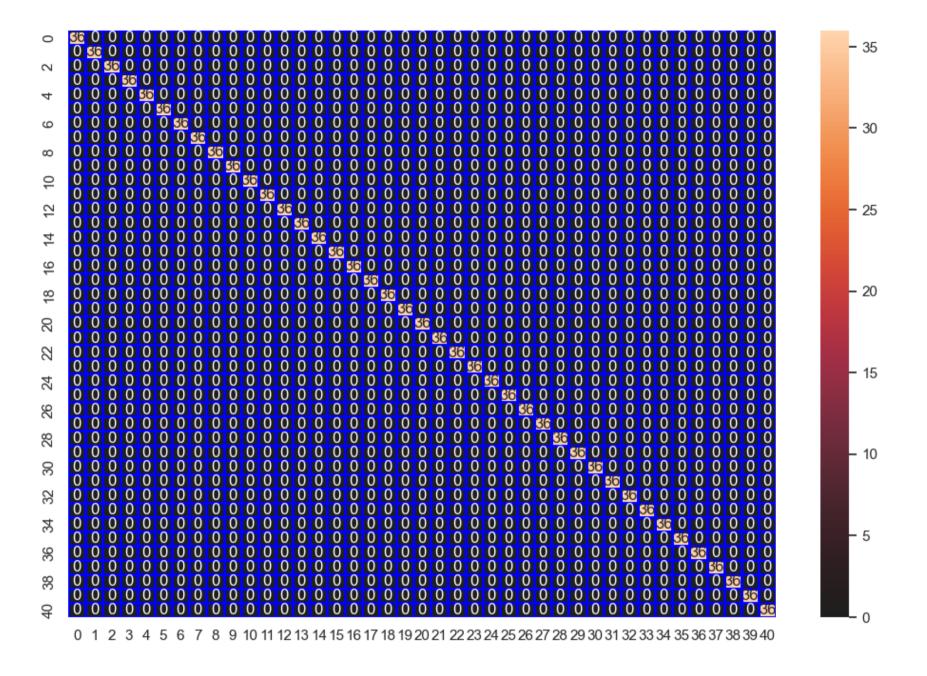
Scaler name : MinMaxScaler Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 %
Classification_report:

SITICACION	i_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36
34	1.00	1.00	1.00	36
35	1.00	1.00	1.00	36
36	1.00	1.00	1.00	36
37	1.00	1.00	1.00	36

38	1.00	1.00	1.00	36
39	1.00	1.00	1.00	36
40	1.00	1.00	1.00	36
accuracy			1.00	1476
macro avg	1.00	1.00	1.00	1476
weighted avg	1.00	1.00	1.00	1476
confusion_matrix: [[36 0 0 [0 36 0 0 [0 0 36 0 [0 0 0 36 [0 0 0 0	0 0] 0 0] 0 0] 36 0]			



Modele name : LogisticRegression Scaler name : StandardScaler

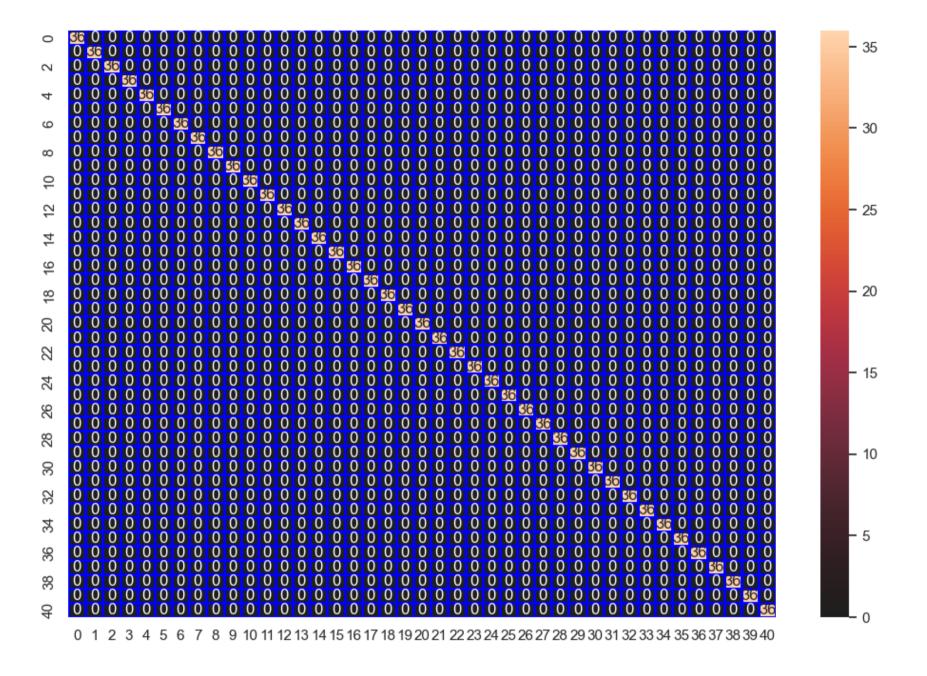
Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 %
Classification_report:

sification	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

3.	4	1.00	1.00	1.00	36
3	5	1.00	1.00	1.00	36
3	6	1.00	1.00	1.00	36
3	7	1.00	1.00	1.00	36
3	8	1.00	1.00	1.00	36
3'	9	1.00	1.00	1.00	36
4	0	1.00	1.00	1.00	36
accurac	у			1.00	1476
macro av	g	1.00	1.00	1.00	1476
weighted av	g	1.00	1.00	1.00	1476



Modele name : LogisticRegression

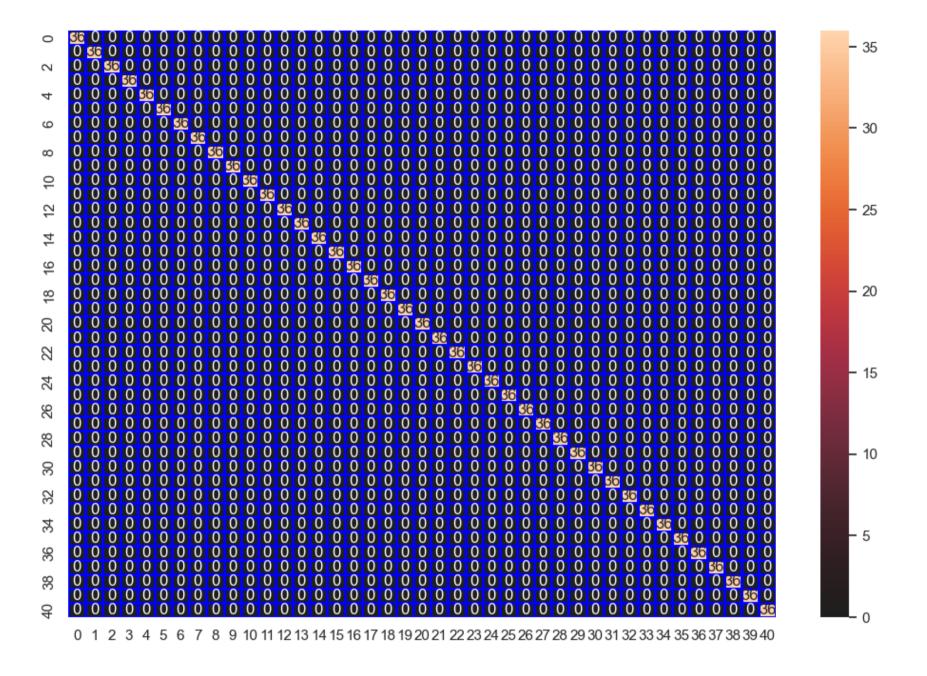
Scaler name : MaxAbsScaler Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 %
Classification report:

ssification	ı_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

3.	4	1.00	1.00	1.00	36
3	5	1.00	1.00	1.00	36
3	6	1.00	1.00	1.00	36
3	7	1.00	1.00	1.00	36
3	8	1.00	1.00	1.00	36
3'	9	1.00	1.00	1.00	36
4	0	1.00	1.00	1.00	36
accurac	у			1.00	1476
macro av	g	1.00	1.00	1.00	1476
weighted av	g	1.00	1.00	1.00	1476



Modele name : LogisticRegression

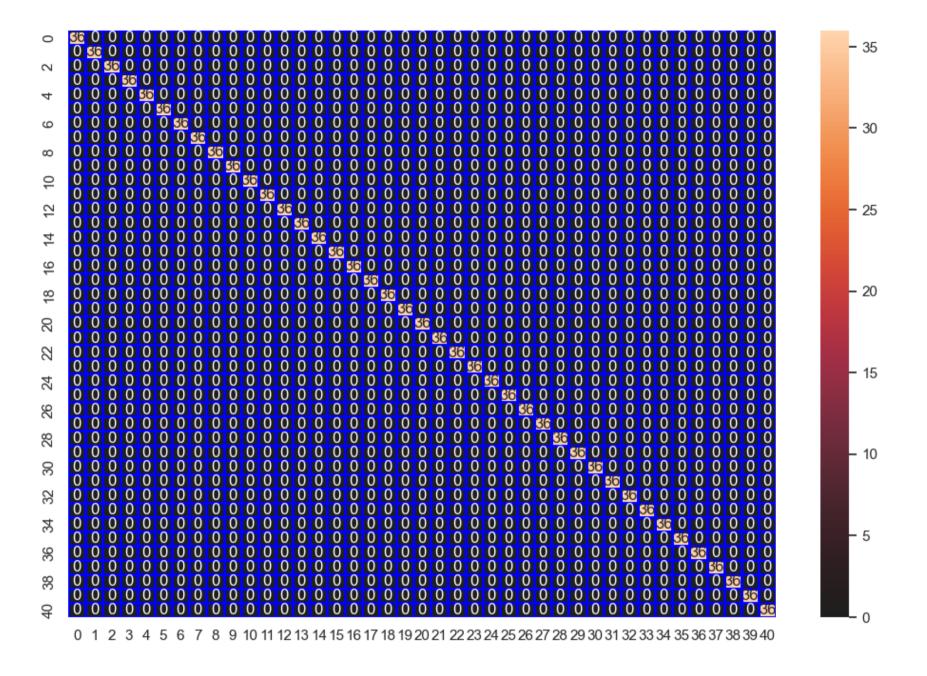
Scaler name : RobustScaler
Accuracy score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 %
Classification report:

precision recall f1-score support 1.00 1.00 0 36 1.00 1.00 1.00 1.00 1 36 2 1.00 1.00 1.00 36 3 1.00 1.00 1.00 36 4 1.00 36 1.00 1.00 5 1.00 1.00 1.00 36 6 1.00 1.00 1.00 36 7 1.00 36 1.00 1.00 8 1.00 1.00 1.00 36 9 1.00 1.00 1.00 36 1.00 1.00 36 10 1.00 36 11 1.00 1.00 1.00 12 1.00 1.00 1.00 36 13 1.00 1.00 1.00 36 14 1.00 1.00 1.00 36 15 1.00 36 1.00 1.00 1.00 16 1.00 1.00 36 17 1.00 1.00 36 1.00 18 1.00 1.00 36 1.00 19 1.00 1.00 1.00 36 20 1.00 1.00 1.00 36 1.00 1.00 1.00 36 21 22 1.00 1.00 1.00 36 23 1.00 1.00 1.00 36 24 1.00 1.00 1.00 36 25 1.00 1.00 36 1.00 36 26 1.00 1.00 1.00 1.00 1.00 27 1.00 36 28 1.00 1.00 1.00 36 29 1.00 1.00 1.00 36 30 1.00 1.00 1.00 36 31 1.00 1.00 1.00 36 32 1.00 1.00 1.00 36 33 1.00 1.00 36 1.00

3.	4	1.00	1.00	1.00	36
3	5	1.00	1.00	1.00	36
3	6	1.00	1.00	1.00	36
3	7	1.00	1.00	1.00	36
3	8	1.00	1.00	1.00	36
3'	9	1.00	1.00	1.00	36
4	0	1.00	1.00	1.00	36
accurac	у			1.00	1476
macro av	g	1.00	1.00	1.00	1476
weighted av	g	1.00	1.00	1.00	1476



Modele name : LogisticRegression Scaler name : QuantileTransformer

Accuracy_score: 100.0 %

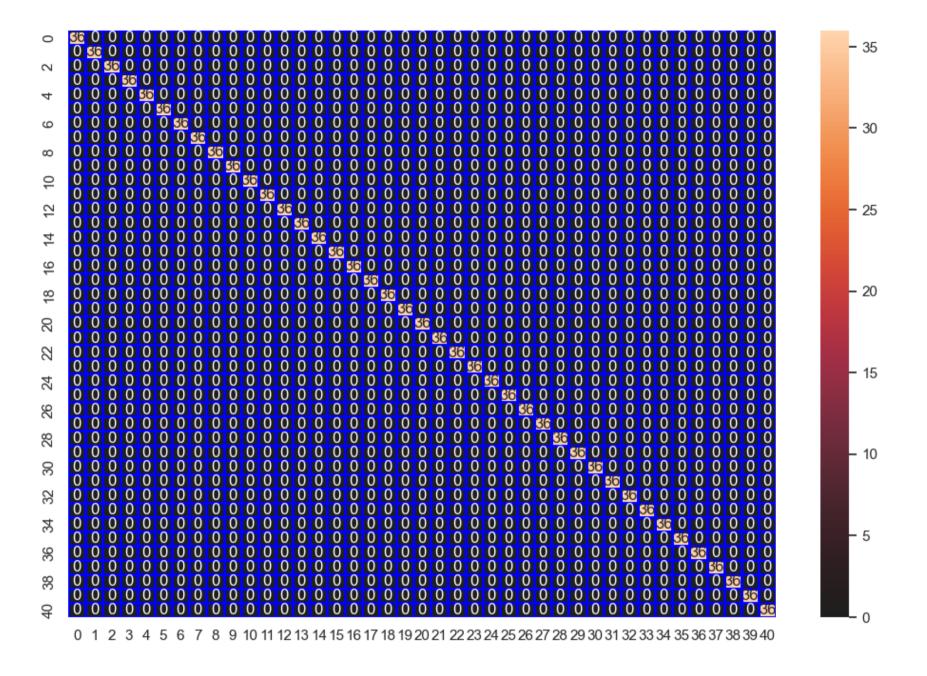
Loss: 0.0 %

Cohen_kappa_score: 100.0 %

Classification_report:

assitication	n_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

3.	4	1.00	1.00	1.00	36
3	5	1.00	1.00	1.00	36
3	6	1.00	1.00	1.00	36
3	7	1.00	1.00	1.00	36
3	8	1.00	1.00	1.00	36
3'	9	1.00	1.00	1.00	36
4	0	1.00	1.00	1.00	36
accurac	у			1.00	1476
macro av	g	1.00	1.00	1.00	1476
weighted av	g	1.00	1.00	1.00	1476



Modele name : LogisticRegression Scaler name : PowerTransformer

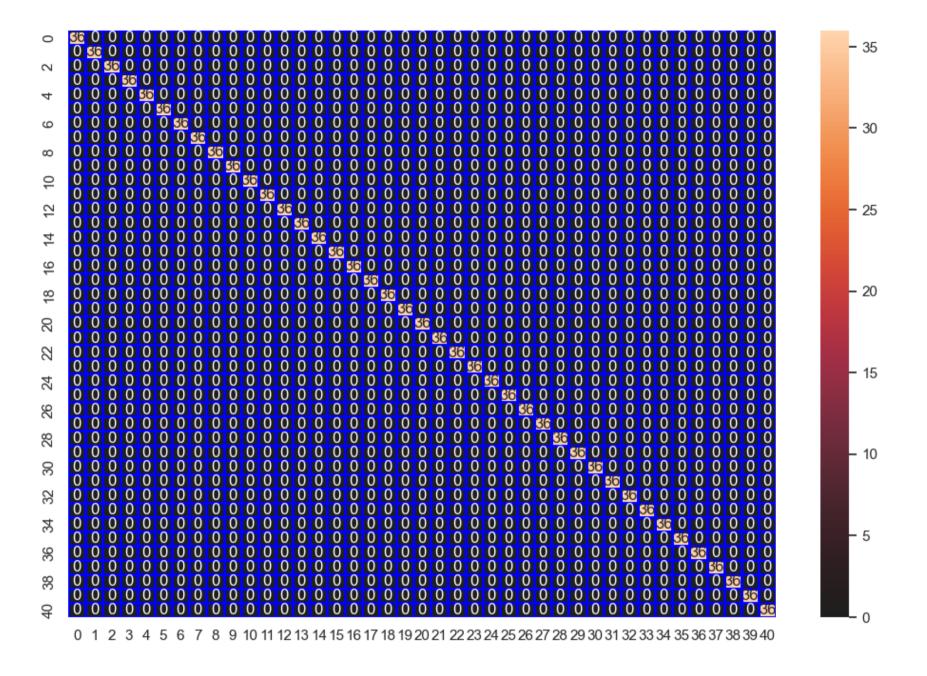
Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 %
Classification_report:

sification	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

3.	4	1.00	1.00	1.00	36
3	5	1.00	1.00	1.00	36
3	6	1.00	1.00	1.00	36
3	7	1.00	1.00	1.00	36
3	8	1.00	1.00	1.00	36
3'	9	1.00	1.00	1.00	36
4	0	1.00	1.00	1.00	36
accurac	у			1.00	1476
macro av	g	1.00	1.00	1.00	1476
weighted av	g	1.00	1.00	1.00	1476



Modele name : LogisticRegression

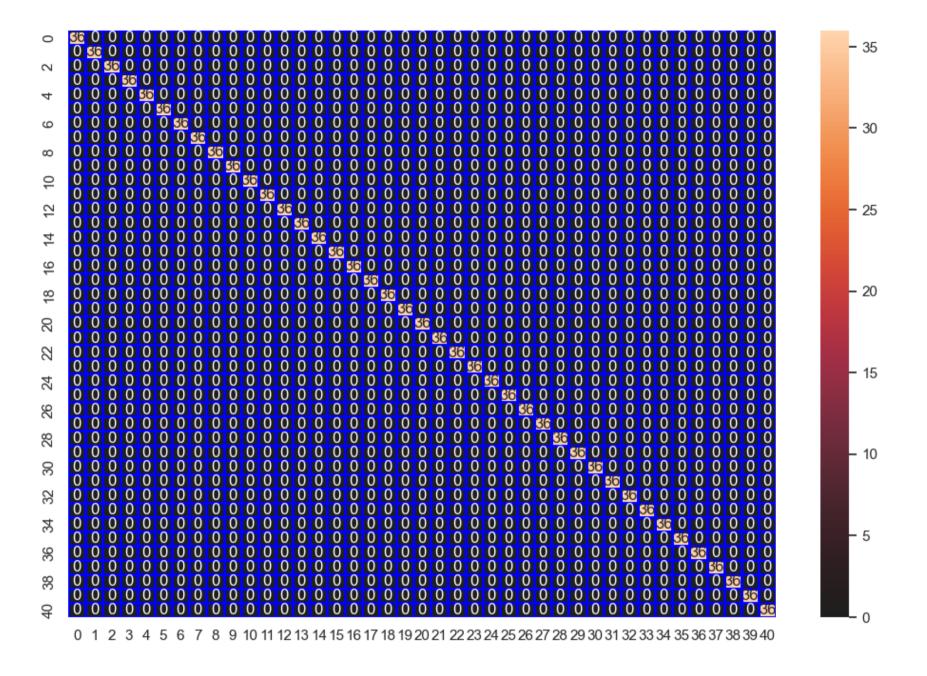
Scaler name : Normalizer Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 %
Classification report:

ricatior	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

34	1.00	1.00	1.00	36
35	1.00	1.00	1.00	36
36	1.00	1.00	1.00	36
37	1.00	1.00	1.00	36
38	1.00	1.00	1.00	36
39	1.00	1.00	1.00	36
40	1.00	1.00	1.00	36
accuracy			1.00	1476
macro avg	1.00	1.00	1.00	1476
weighted avg	1.00	1.00	1.00	1476



Modele name : KNeighborsClassifier

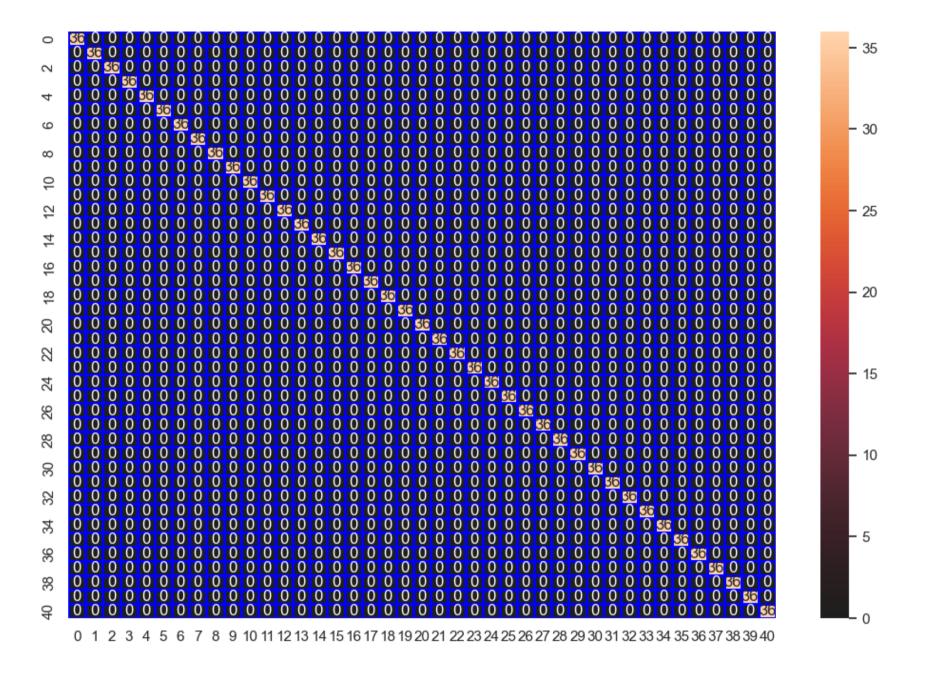
Scaler name : MinMaxScaler Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 % Classification report:

sification	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

34				36
35	1.0	0 1.00	1.00	36
36	1.0	0 1.00	1.00	36
37	7 1.0	0 1.00	1.00	36
38	1.0	0 1.00	1.00	36
39	1.0	0 1.00	1.00	36
46	1.0	0 1.00	1.00	36
accuracy	/		1.00	1476
macro avg	1.0	0 1.00	1.00	1476
weighted ava	1.0	0 1.00	1.00	1476



Modele name : KNeighborsClassifier

Scaler name : StandardScaler Accuracy_score: 100.0 %

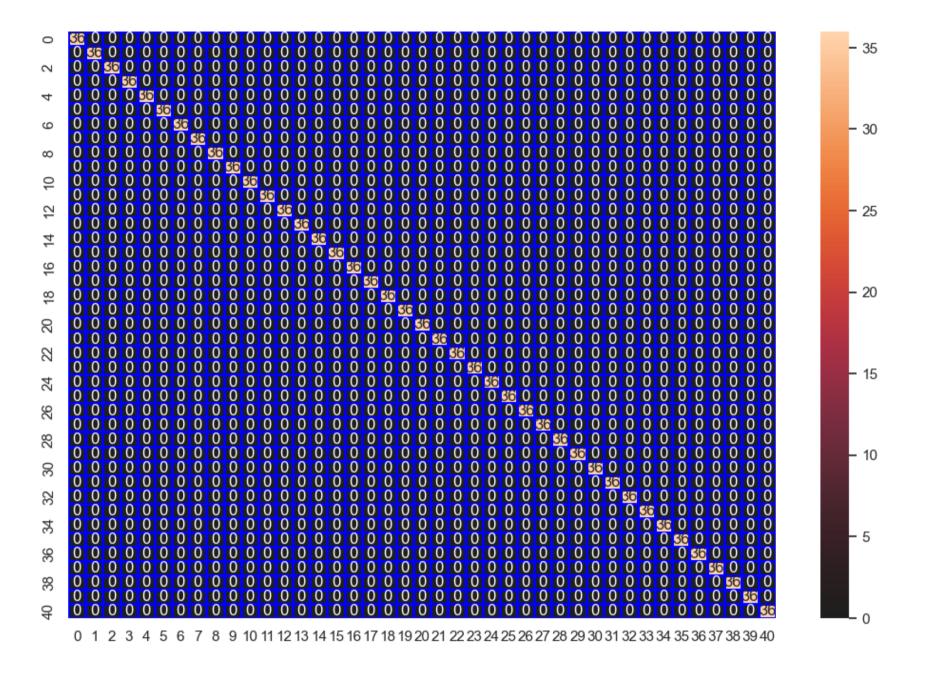
Loss: 0.0 %

Cohen_kappa_score: 100.0 %

assification	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36



34				36
35	1.0	0 1.00	1.00	36
36	1.0	0 1.00	1.00	36
37	7 1.0	0 1.00	1.00	36
38	1.0	0 1.00	1.00	36
39	1.0	0 1.00	1.00	36
46	1.0	0 1.00	1.00	36
accuracy	/		1.00	1476
macro avg	1.0	0 1.00	1.00	1476
weighted ava	1.0	0 1.00	1.00	1476



Modele name : KNeighborsClassifier

Scaler name : MaxAbsScaler Accuracy_score: 100.0 %

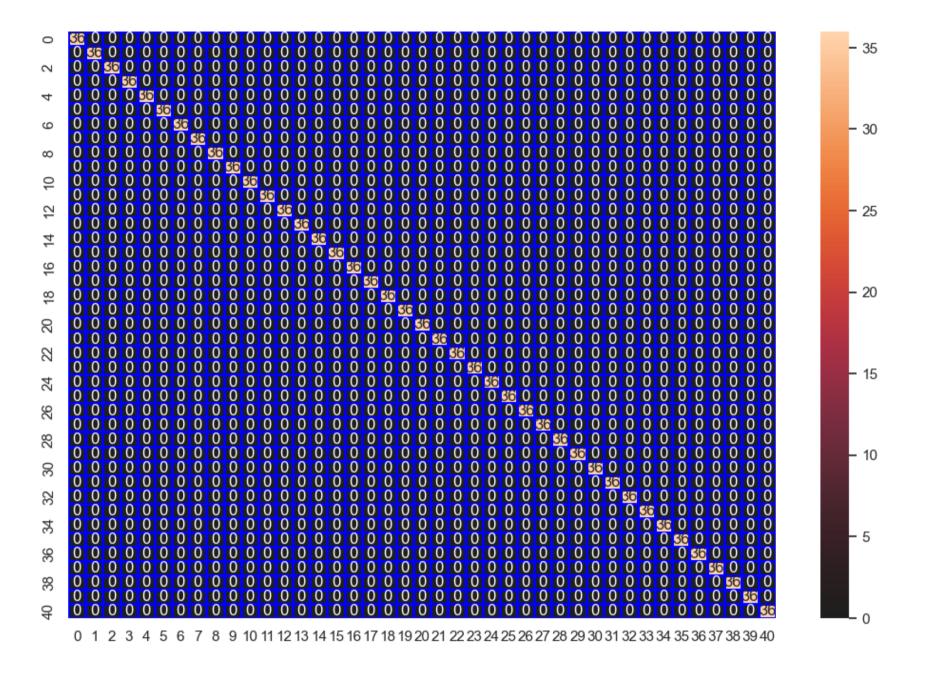
Loss: 0.0 %

Cohen_kappa_score: 100.0 %

Classification report: precision recall f1-score support 0 1.00 1.00 1.00 36 1.00 1.00 1.00 36 1 1.00 2 1.00 1.00 36 3 1.00 1.00 1.00 36 1.00 4 1.00 1.00 36 1.00 5 1.00 1.00 36 6 1.00 1.00 1.00 36 7 1.00 1.00 1.00 36 1 00 1 00 1 00 36

8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

34				36
35	1.0	0 1.00	1.00	36
36	1.0	0 1.00	1.00	36
37	7 1.0	0 1.00	1.00	36
38	1.0	0 1.00	1.00	36
39	1.0	0 1.00	1.00	36
46	1.0	0 1.00	1.00	36
accuracy	/		1.00	1476
macro avg	1.0	0 1.00	1.00	1476
weighted ava	1.0	0 1.00	1.00	1476



Modele name : KNeighborsClassifier

Scaler name : RobustScaler Accuracy_score: 100.0 %

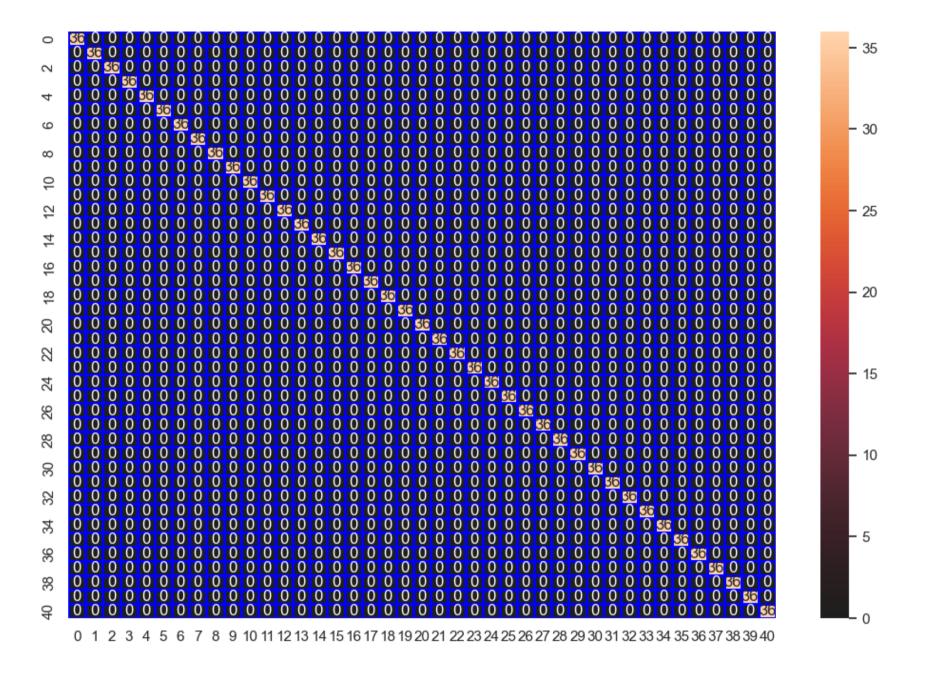
Loss: 0.0 %

Cohen_kappa_score: 100.0 %
Classification report:

sification	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36



_	4	1.00	1.00	1.00	36
3	5	1.00	1.00	1.00	36
3	6	1.00	1.00	1.00	36
3	7	1.00	1.00	1.00	36
3	8	1.00	1.00	1.00	36
3	9	1.00	1.00	1.00	36
4	0	1.00	1.00	1.00	36
accurac	у			1.00	1476
macro av	g	1.00	1.00	1.00	1476
weighted av	g	1.00	1.00	1.00	1476



Modele name : KNeighborsClassifier Scaler name : QuantileTransformer

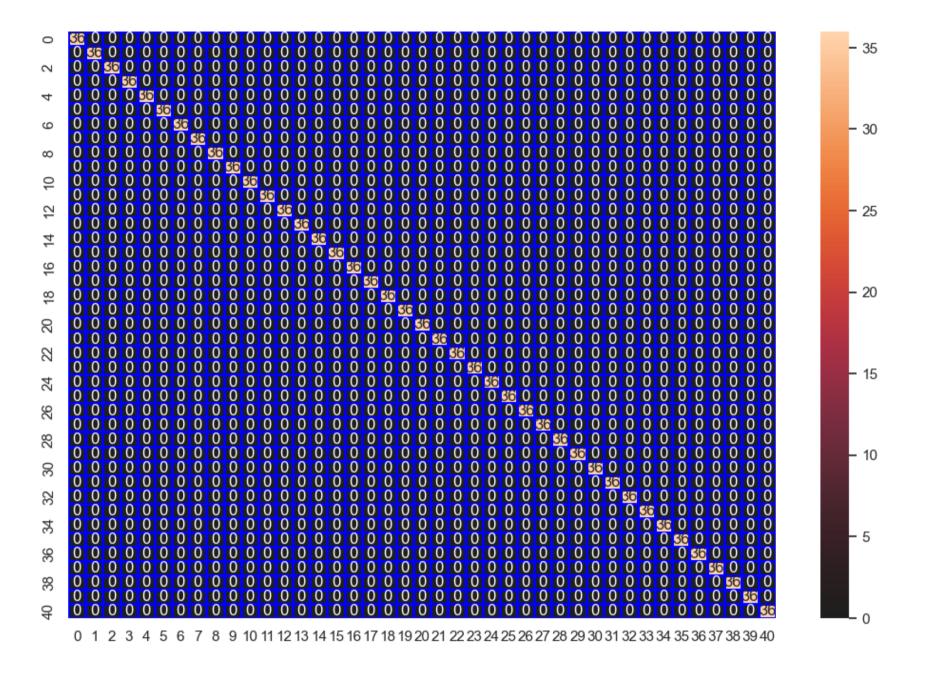
Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 % Classification report:

$ssification_{}$	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

_	4	1.00	1.00	1.00	36
3	5	1.00	1.00	1.00	36
3	6	1.00	1.00	1.00	36
3	7	1.00	1.00	1.00	36
3	8	1.00	1.00	1.00	36
3	9	1.00	1.00	1.00	36
4	0	1.00	1.00	1.00	36
accurac	у			1.00	1476
macro av	g	1.00	1.00	1.00	1476
weighted av	g	1.00	1.00	1.00	1476



Modele name : KNeighborsClassifier Scaler name : PowerTransformer

Accuracy_score: 100.0 %

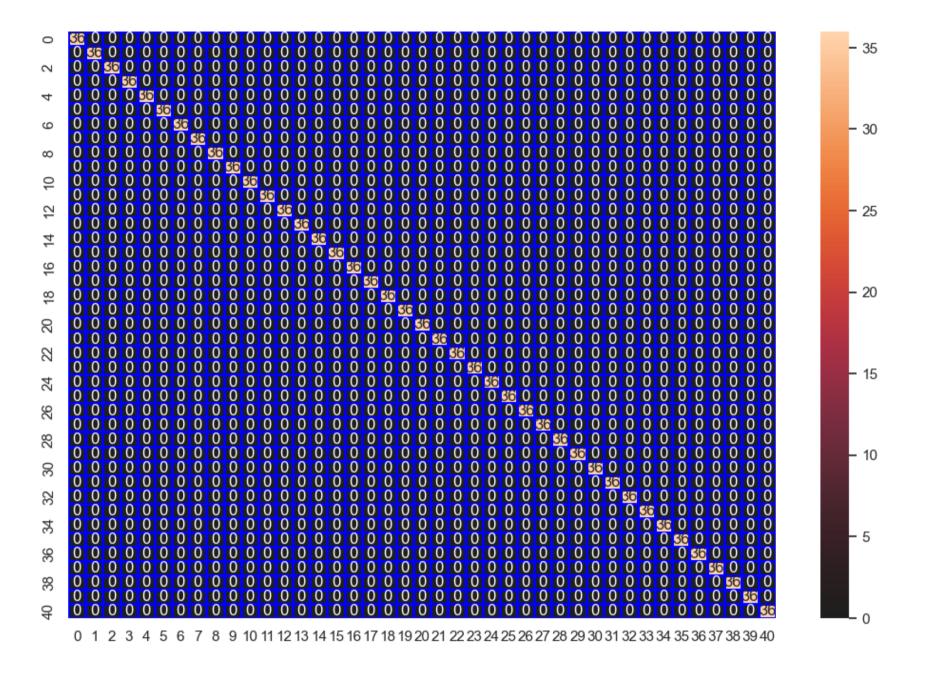
Loss: 0.0 %

Cohen_kappa_score: 100.0 % Classification report:

ssification	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36



_	4	1.00	1.00	1.00	36
3	5	1.00	1.00	1.00	36
3	6	1.00	1.00	1.00	36
3	7	1.00	1.00	1.00	36
3	8	1.00	1.00	1.00	36
3	9	1.00	1.00	1.00	36
4	0	1.00	1.00	1.00	36
accurac	у			1.00	1476
macro av	g	1.00	1.00	1.00	1476
weighted av	g	1.00	1.00	1.00	1476



Modele name : KNeighborsClassifier

Scaler name : Normalizer Accuracy_score: 100.0 %

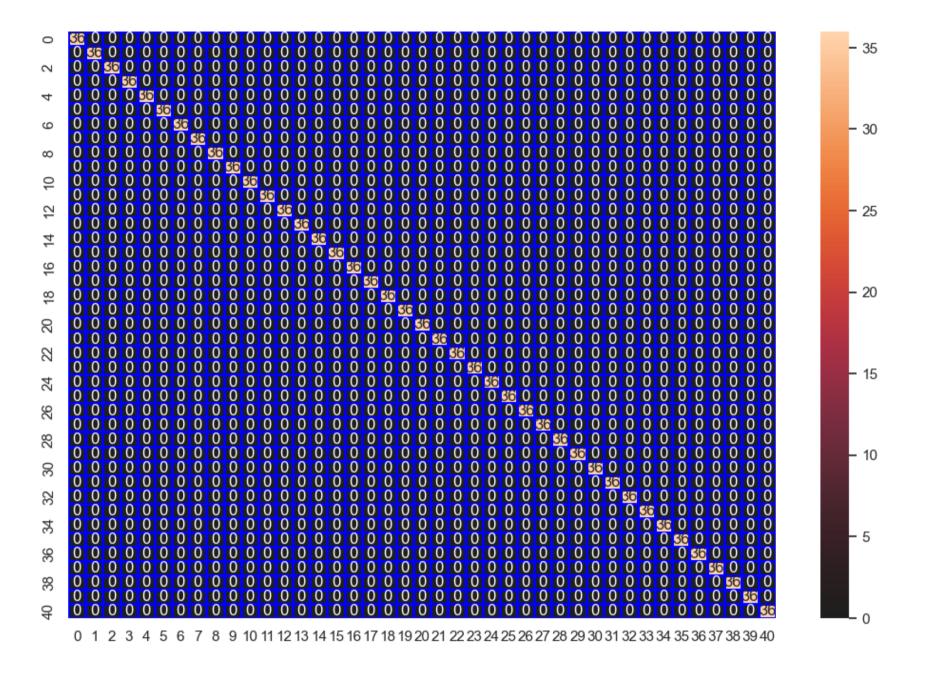
Loss: 0.0 %

Cohen_kappa_score: 100.0 % Classification report:

ssification	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36



_	4	1.00	1.00	1.00	36
3	5	1.00	1.00	1.00	36
3	6	1.00	1.00	1.00	36
3	7	1.00	1.00	1.00	36
3	8	1.00	1.00	1.00	36
3	9	1.00	1.00	1.00	36
4	0	1.00	1.00	1.00	36
accurac	у			1.00	1476
macro av	g	1.00	1.00	1.00	1476
weighted av	g	1.00	1.00	1.00	1476



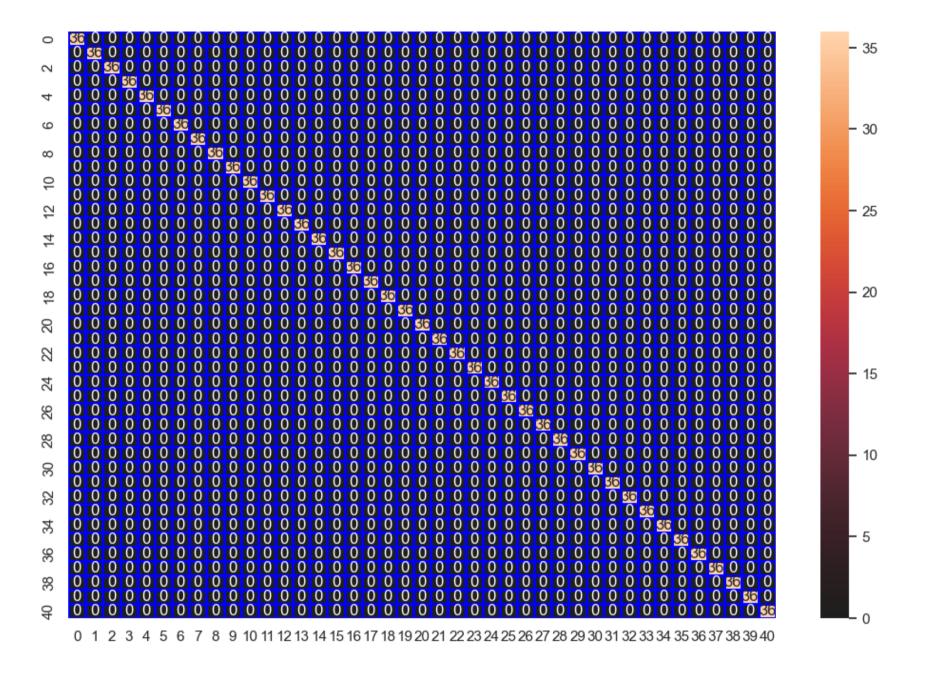
Modele name : GaussianNB Scaler name : MinMaxScaler Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 %

lassification	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

_	4	1.00	1.00	1.00	36
3	5	1.00	1.00	1.00	36
3	6	1.00	1.00	1.00	36
3	7	1.00	1.00	1.00	36
3	8	1.00	1.00	1.00	36
3	9	1.00	1.00	1.00	36
4	0	1.00	1.00	1.00	36
accurac	у			1.00	1476
macro av	g	1.00	1.00	1.00	1476
weighted av	g	1.00	1.00	1.00	1476



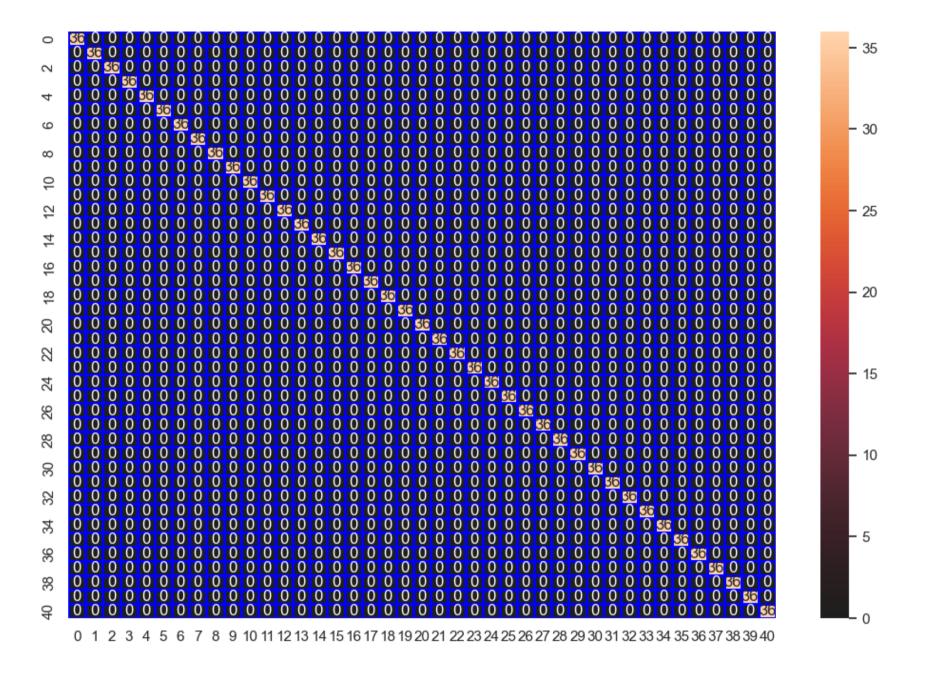
Modele name : GaussianNB Scaler name : StandardScaler Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 %
Classification report:

ssification	report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

_	4	1.00	1.00	1.00	36
3	5	1.00	1.00	1.00	36
3	6	1.00	1.00	1.00	36
3	7	1.00	1.00	1.00	36
3	8	1.00	1.00	1.00	36
3	9	1.00	1.00	1.00	36
4	0	1.00	1.00	1.00	36
accurac	у			1.00	1476
macro av	g	1.00	1.00	1.00	1476
weighted av	g	1.00	1.00	1.00	1476



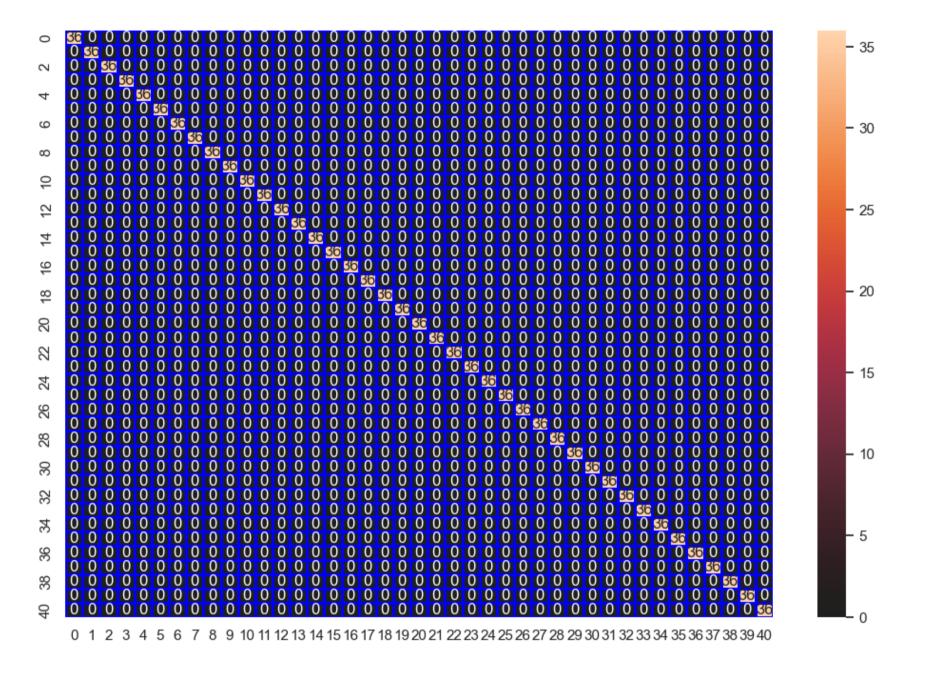
Modele name : GaussianNB Scaler name : MaxAbsScaler Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 %

lassification	n_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

_	4	1.00	1.00	1.00	36
3	5	1.00	1.00	1.00	36
3	6	1.00	1.00	1.00	36
3	7	1.00	1.00	1.00	36
3	8	1.00	1.00	1.00	36
3	9	1.00	1.00	1.00	36
4	0	1.00	1.00	1.00	36
accurac	у			1.00	1476
macro av	g	1.00	1.00	1.00	1476
weighted av	g	1.00	1.00	1.00	1476



Modele name : GaussianNB Scaler name : RobustScaler Accuracy_score: 100.0 %

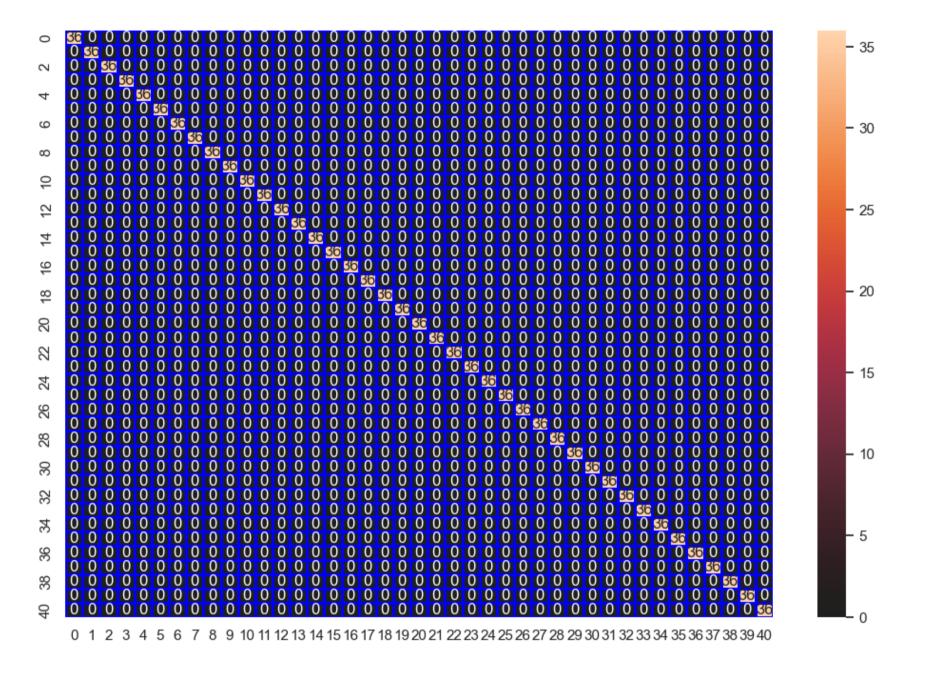
Loss: 0.0 %

Cohen_kappa_score: 100.0 %

lassificatior	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36



1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



Modele name : GaussianNB

Scaler name : QuantileTransformer

Accuracy_score: 100.0 %

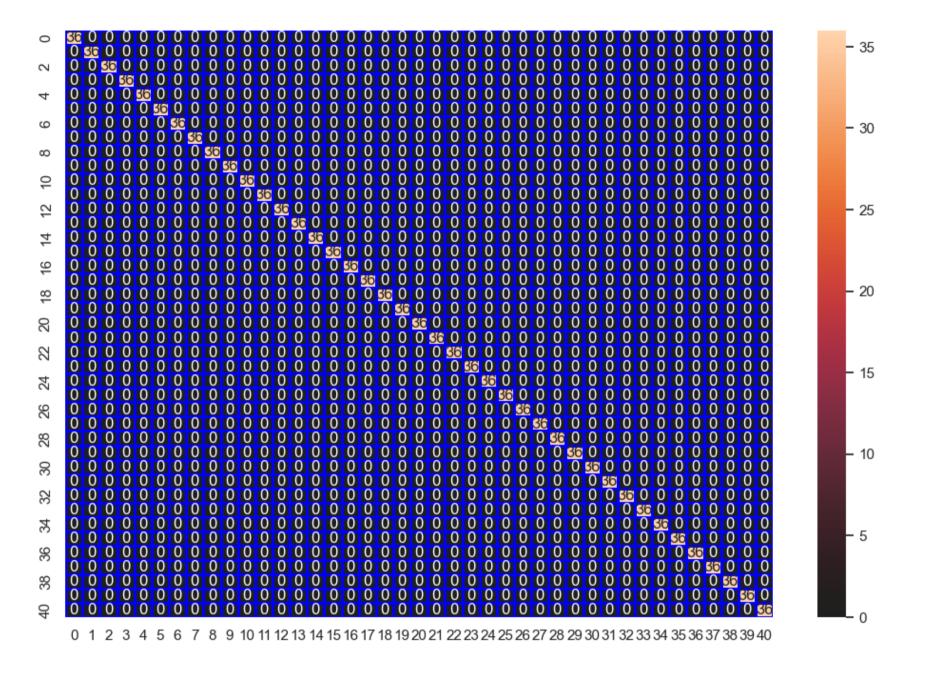
Loss: 0.0 %

Cohen_kappa_score: 100.0 %
Classification report:

assificatio	n_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36



1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



Modele name : GaussianNB

Scaler name : PowerTransformer

Accuracy_score: 100.0 %

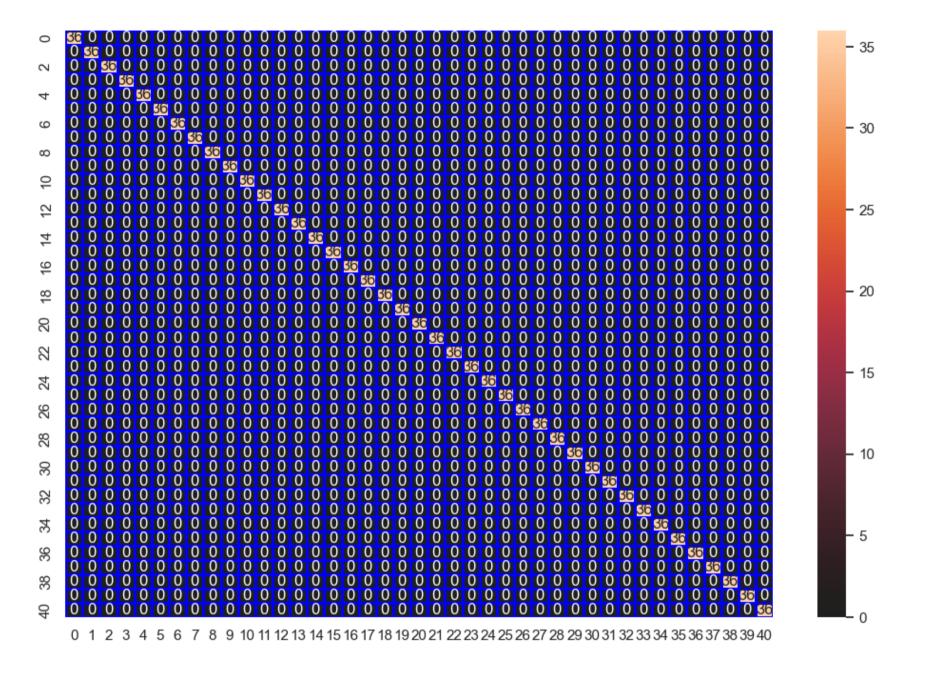
Loss: 0.0 %

Cohen_kappa_score: 100.0 %

assification	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36



1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



Modele name : GaussianNB Scaler name : Normalizer Accuracy_score: 100.0 %

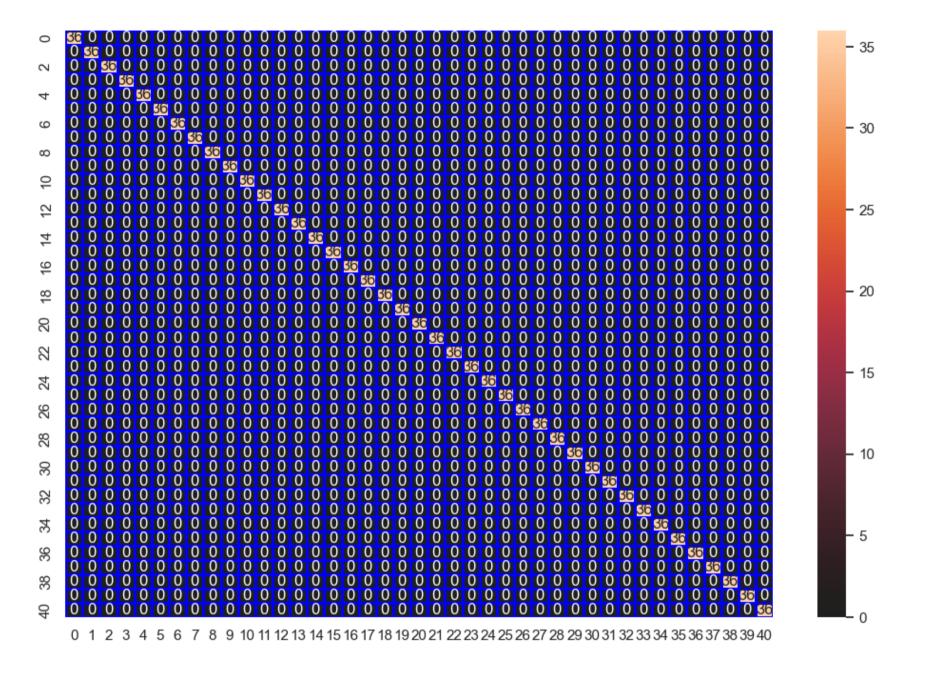
Loss: 0.0 %

Cohen_kappa_score: 100.0 %

C1

:lassificatio	n report:)		
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

34	1.00	1.00	1.00	36
35	1.00	1.00	1.00	36
36	1.00	1.00	1.00	36
37	1.00	1.00	1.00	36
38	1.00	1.00	1.00	36
39	1.00	1.00	1.00	36
40	1.00	1.00	1.00	36
accuracy			1.00	1476
macro avg	1.00	1.00	1.00	1476
weighted avg	1.00	1.00	1.00	1476



Modele name : DecisionTreeClassifier

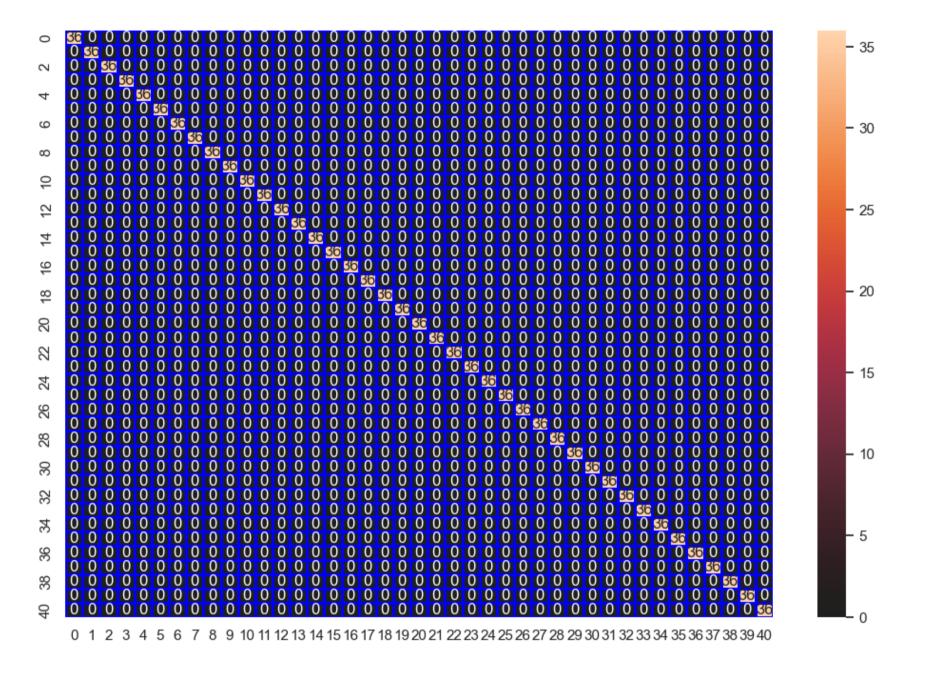
Scaler name : MinMaxScaler
Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 %
Classification_report:

tication	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



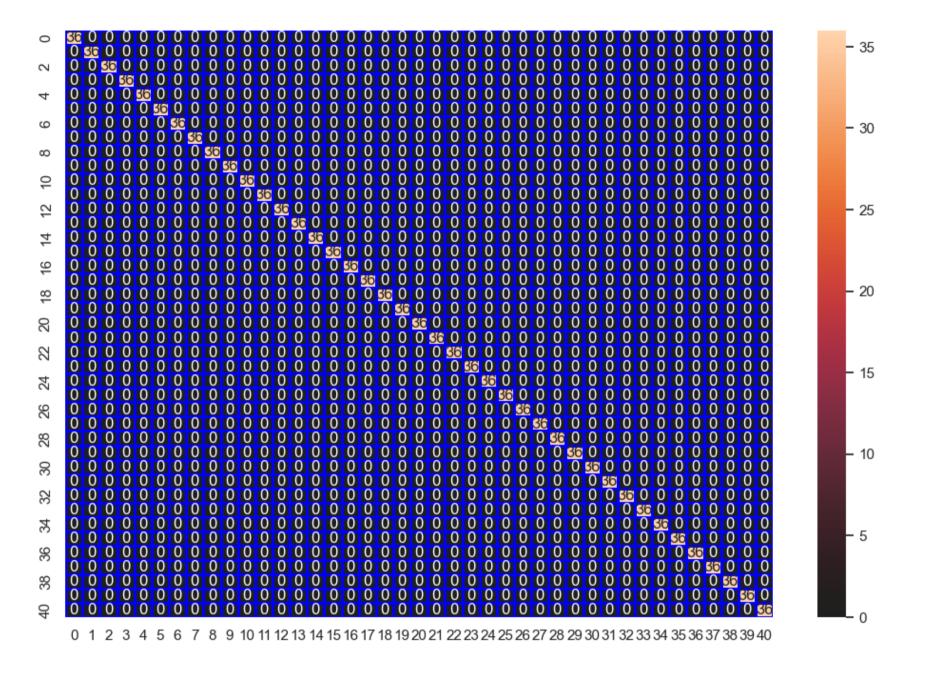
Modele name : DecisionTreeClassifier

Scaler name : StandardScaler Accuracy_score: 100.0 %

Loss: 0.0 %

sificatior	ı_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



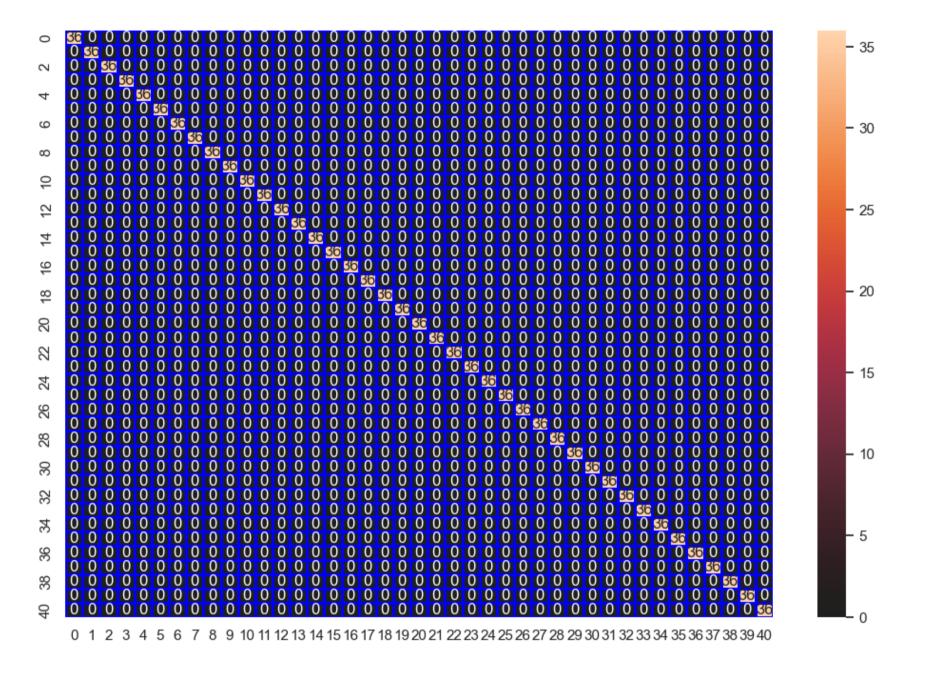
Modele name : DecisionTreeClassifier

Scaler name : MaxAbsScaler
Accuracy_score: 100.0 %

Loss: 0.0 %

TCacion	i_report.			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



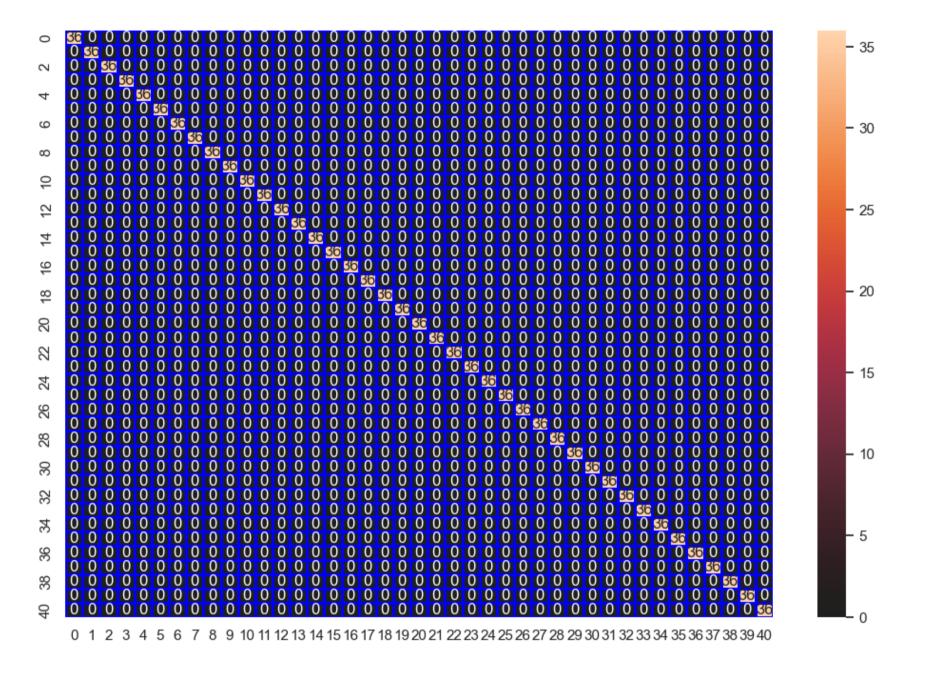
Modele name : DecisionTreeClassifier

Scaler name : RobustScaler
Accuracy_score: 100.0 %

Loss: 0.0 %

sitication	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



Modele name : DecisionTreeClassifier Scaler name : QuantileTransformer

Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 %

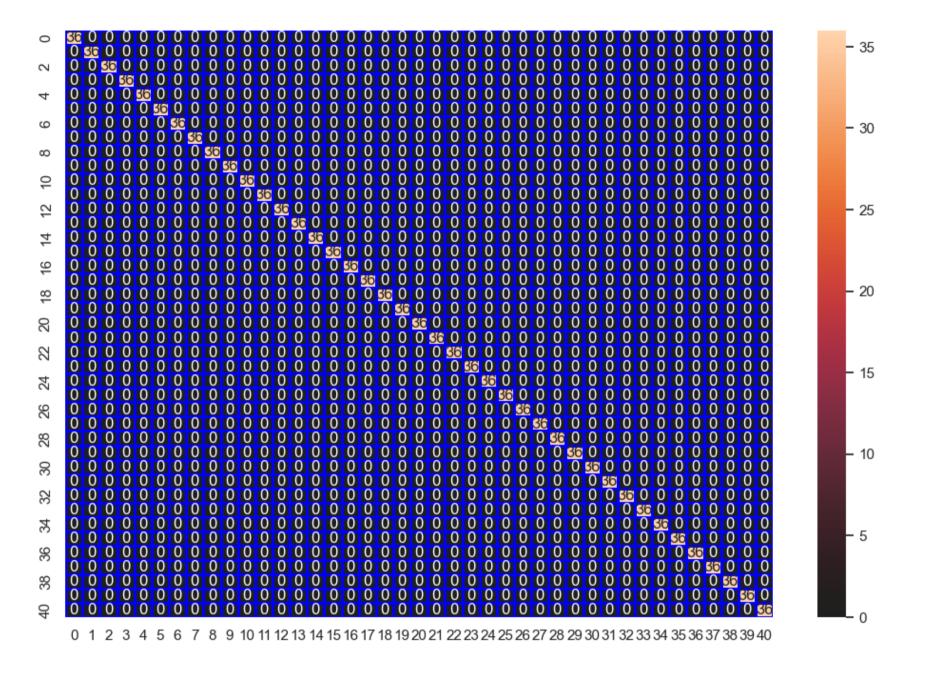
Classification report: precision recall f1-score support 0 1.00 1.00 1.00 36 1.00 1.00 1.00 1 2 1.00 1.00 1.00

36 36 3 1.00 1.00 1.00 36 4 1.00 36 1.00 1.00 5 1.00 1.00 1.00 36 6 1.00 1.00 1.00 36 7 1.00 36 1.00 1.00 8 1.00 1.00 1.00 36 9 1.00 1.00 1.00 36 1.00 1.00 36 10 1.00 36 11 1.00 1.00 1.00 12 1.00 1.00 1.00 36 13 1.00 1.00 1.00 36 14 1.00 1.00 1.00 36 15 1.00 36 1.00 1.00 1.00 16 1.00 1.00 36 17 1.00 1.00 36 1.00 18 1.00 1.00 36 1.00 19 1.00 1.00 1.00 36 20 1.00 1.00 1.00 36 1.00 1.00 36 21 1.00 22 1.00 1.00 1.00 36 23 1.00 1.00 1.00 36 24 1.00 1.00 1.00 36

25 1.00 1.00 36 1.00 36 26 1.00 1.00 1.00 1.00 27 1.00 1.00 36 28 1.00 1.00 1.00 36 29 1.00 1.00 1.00 36 30 1.00 1.00 1.00 36 31 1.00 1.00 1.00 36 32 1.00 1.00 1.00 36 33 1.00 1.00 36 1.00



1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



Modele name : DecisionTreeClassifier

Scaler name : PowerTransformer

Accuracy_score: 100.0 %

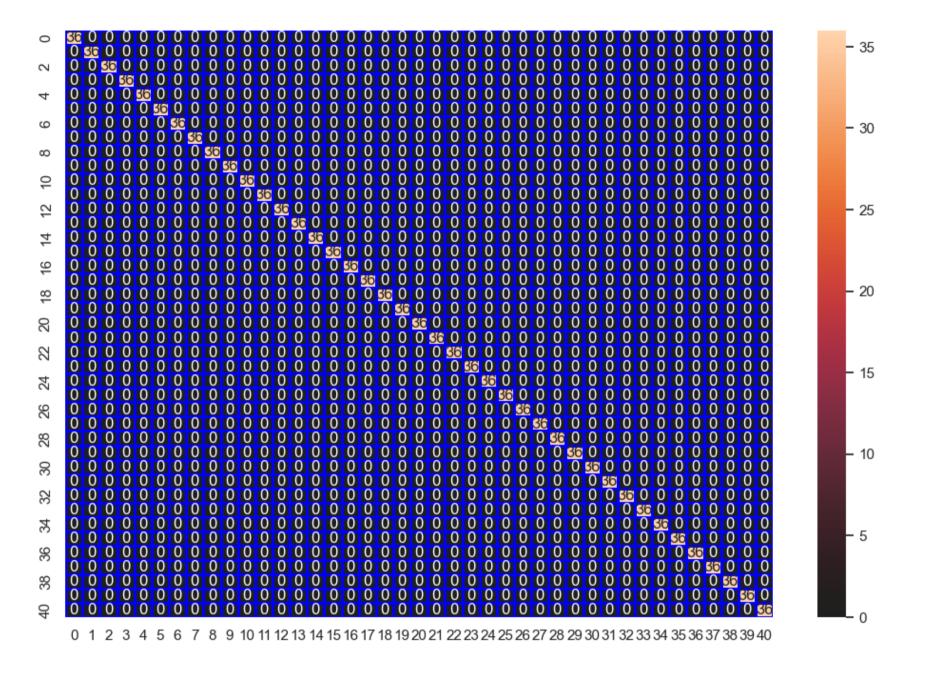
Loss: 0.0 %

Cohen_kappa_score: 100.0 %

Classi

_ '' _ sificatior	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



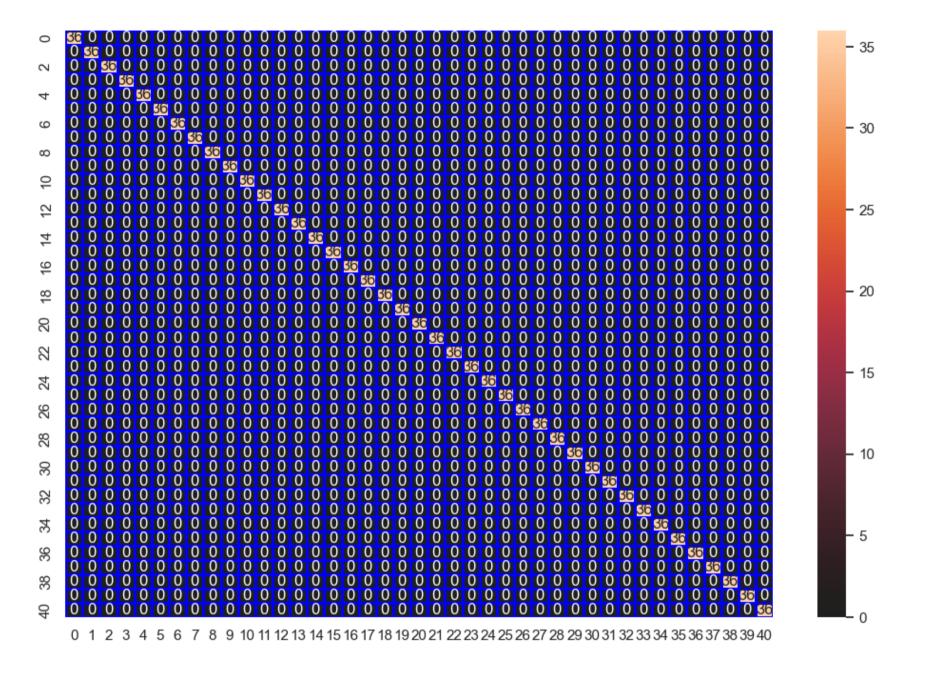
Modele name : DecisionTreeClassifier

Scaler name : Normalizer
Accuracy_score: 100.0 %

Loss: 0.0 %

rication	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



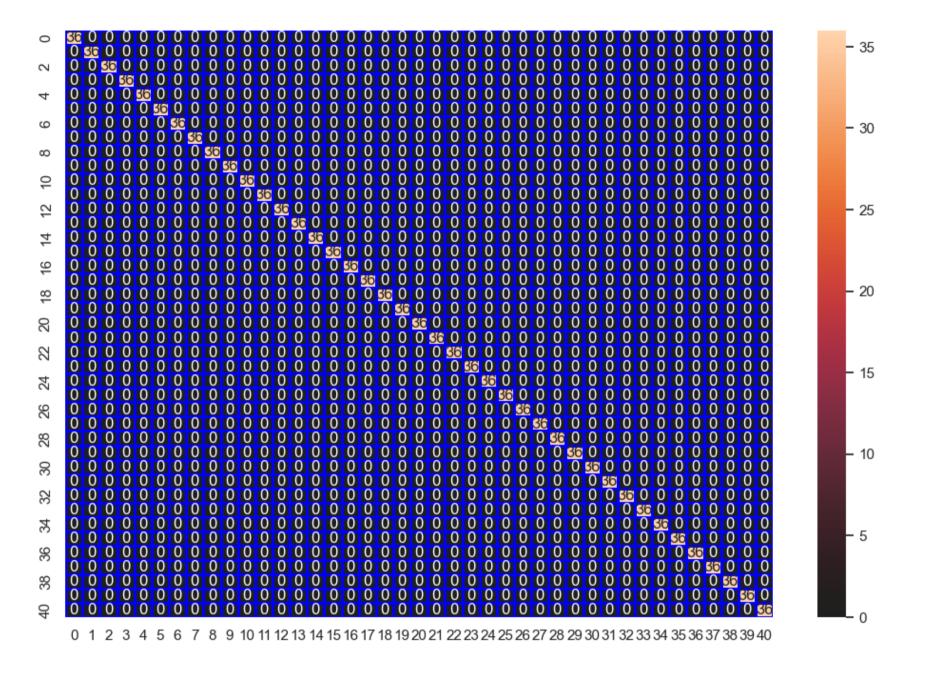
Modele name : RandomForestClassifier

Scaler name : MinMaxScaler
Accuracy_score: 100.0 %

Loss: 0.0 %

itication	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



Modele name : RandomForestClassifier

Scaler name : StandardScaler
Accuracy_score: 100.0 %

Loss: 0.0 %

Cohen_kappa_score: 100.0 %

33

1.00

0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36

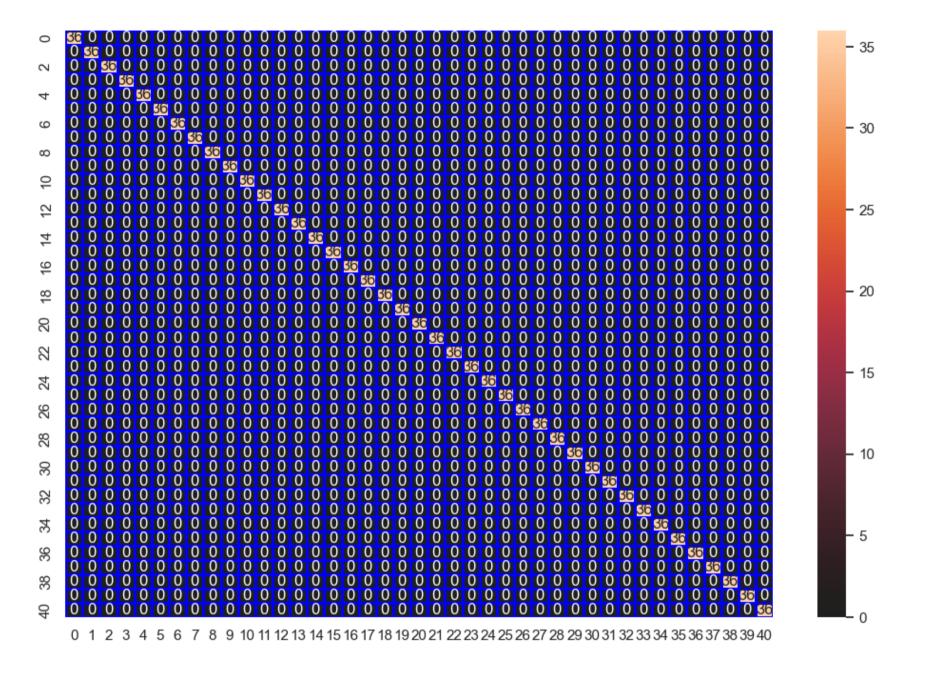
1.00

1.00

36

BLACKBOX AI

1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



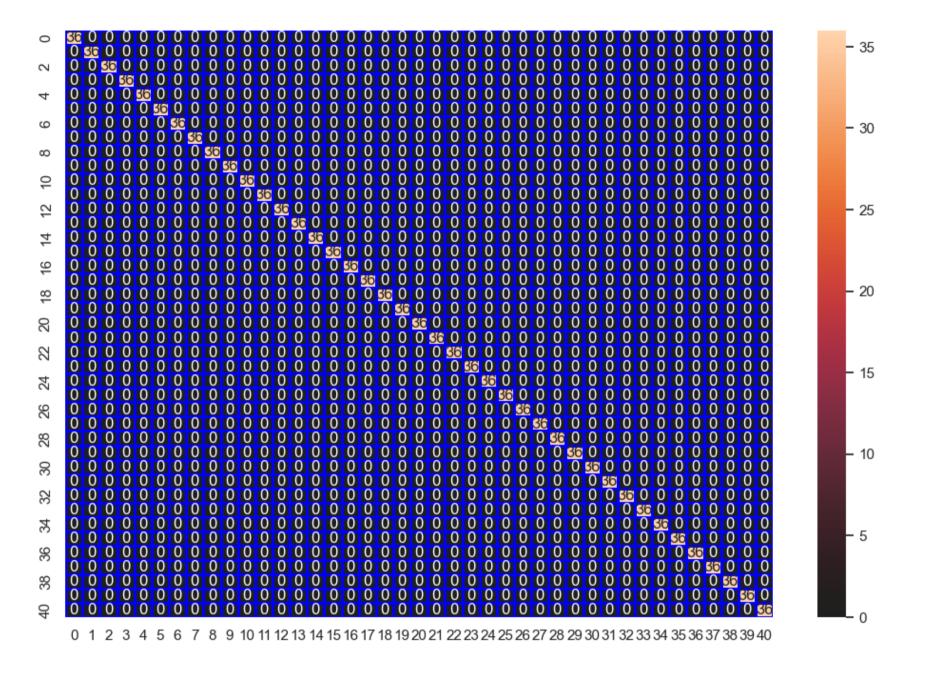
Modele name : RandomForestClassifier

Scaler name : MaxAbsScaler
Accuracy_score: 100.0 %

Loss: 0.0 %

cation	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



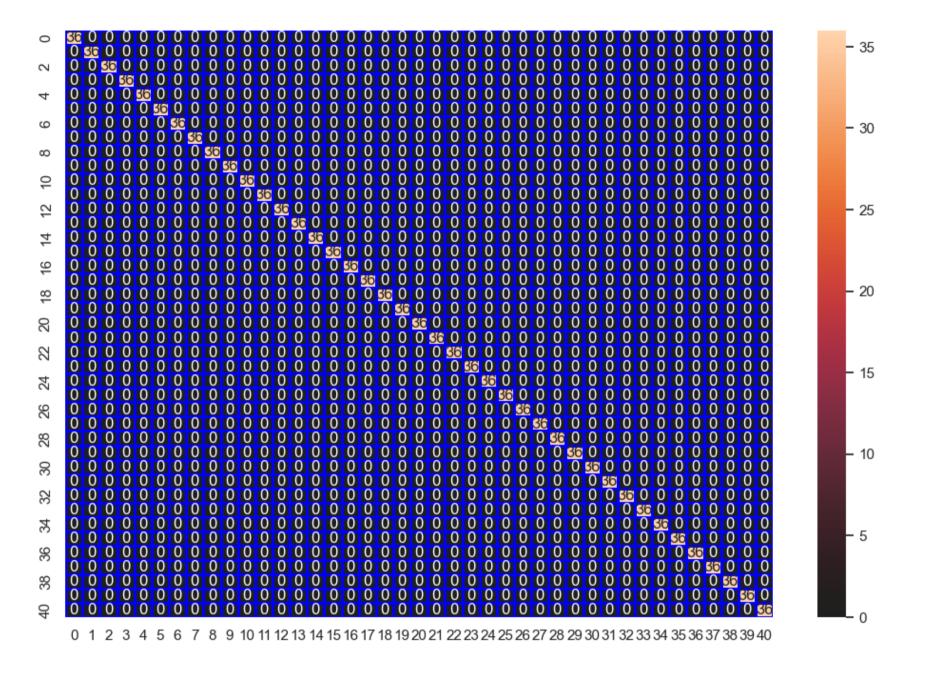
Modele name : RandomForestClassifier

Scaler name : RobustScaler
Accuracy_score: 100.0 %

Loss: 0.0 %

ı†ıcatıor	n_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



Modele name : RandomForestClassifier Scaler name : QuantileTransformer

Accuracy_score: 100.0 %

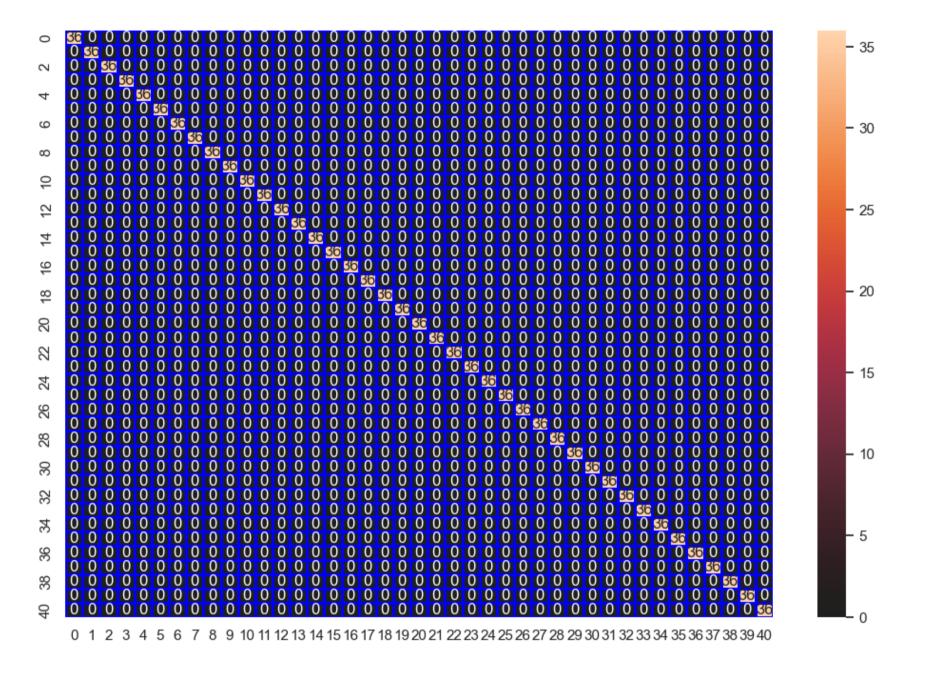
Loss: 0.0 %

Cohen_kappa_score: 100.0 %

Classification report:

†ication	_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



Modele name : RandomForestClassifier

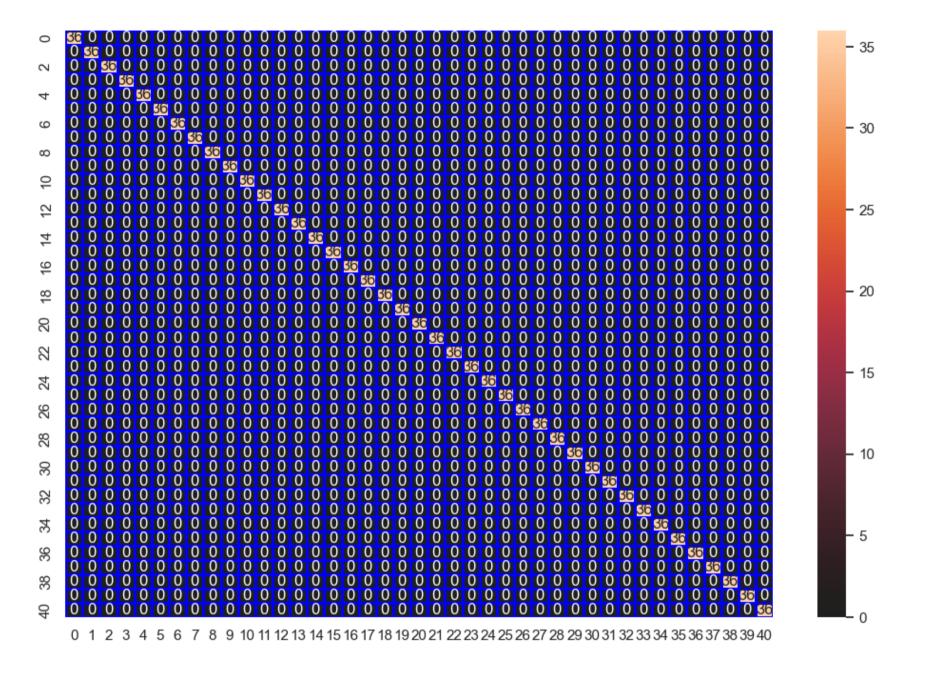
Scaler name : PowerTransformer

Accuracy_score: 100.0 %

Loss: 0.0 %

ı†ıcatıor	n_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
1.00	1.00	1.00	36
		1.00	1476
1.00	1.00	1.00	1476
1.00	1.00	1.00	1476
	1.00 1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.00 1.00



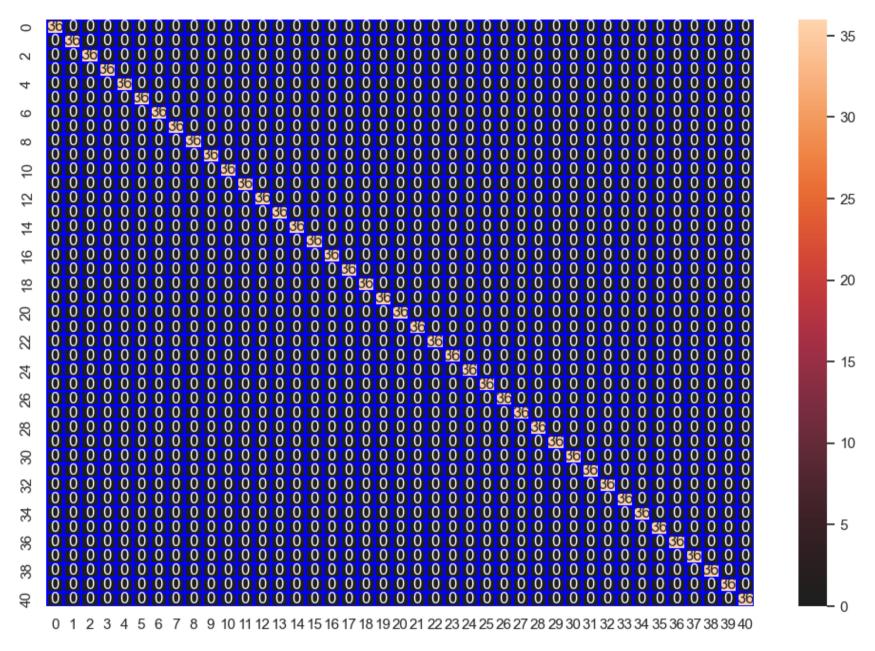
Modele name : RandomForestClassifier

Scaler name : Normalizer
Accuracy_score: 100.0 %

Loss: 0.0 %

itication	n_report:			
	precision	recall	f1-score	support
0	1.00	1.00	1.00	36
1	1.00	1.00	1.00	36
2	1.00	1.00	1.00	36
3	1.00	1.00	1.00	36
4	1.00	1.00	1.00	36
5	1.00	1.00	1.00	36
6	1.00	1.00	1.00	36
7	1.00	1.00	1.00	36
8	1.00	1.00	1.00	36
9	1.00	1.00	1.00	36
10	1.00	1.00	1.00	36
11	1.00	1.00	1.00	36
12	1.00	1.00	1.00	36
13	1.00	1.00	1.00	36
14	1.00	1.00	1.00	36
15	1.00	1.00	1.00	36
16	1.00	1.00	1.00	36
17	1.00	1.00	1.00	36
18	1.00	1.00	1.00	36
19	1.00	1.00	1.00	36
20	1.00	1.00	1.00	36
21	1.00	1.00	1.00	36
22	1.00	1.00	1.00	36
23	1.00	1.00	1.00	36
24	1.00	1.00	1.00	36
25	1.00	1.00	1.00	36
26	1.00	1.00	1.00	36
27	1.00	1.00	1.00	36
28	1.00	1.00	1.00	36
29	1.00	1.00	1.00	36
30	1.00	1.00	1.00	36
31	1.00	1.00	1.00	36
32	1.00	1.00	1.00	36
33	1.00	1.00	1.00	36

34	1.00	1.00	1.00	36
35	1.00	1.00	1.00	36
36	1.00	1.00	1.00	36
37	1.00	1.00	1.00	36
38	1.00	1.00	1.00	36
39	1.00	1.00	1.00	36
40	1.00	1.00	1.00	36
accuracy			1.00	1476
macro avg	1.00	1.00	1.00	1476
weighted avg	1.00	1.00	1.00	1476



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