PS C:\Users\yanin\Documents\GitHub\silly-baps> & C:/Users/yanin/AppData/Local/Programs/Python/Python310/python.exe c:/Users/yanin/Documents/GitHub/silly-baps/paso1\_3\_bin.py

Ahora probamos todo con el conjunto de entrenamiento de .80.

C:\Users\yanin\AppData\Local\Programs\Python\Python310\lib\site-packages\sklearn\linear\_model\\_logistic.py:814: ConvergenceWarning: lbfgs failed to converge (status=1):

STOP: TOTAL NO. of ITERATIONS REACHED LIMIT.

Increase the number of iterations (max\_iter) or scale the data as shown in:

https://scikit-learn.org/stable/modules/preprocessing.html

Please also refer to the documentation for alternative solver options:

https://scikit-learn.org/stable/modules/linear\_model.html#logistic-regression

n\_iter\_i = \_check\_optimize\_result(

C:\Users\yanin\AppData\Local\Programs\Python\Python310\lib\site-packages\sklearn\base.py:493: FutureWarning: The feature names should match those that were passed during fit. Starting version 1.2, an error will be raised.

Feature names unseen at fit time:

- 1.100

- 1.101

- 1.102

- 1.103

- 1.104

- ...

Feature names seen at fit time, yet now missing:

- 0.703

- 0.704

- 0.705

- 0.706

- 0.707

- ...

warnings.warn(message, FutureWarning)

El accuracy es: 0.9912280701754386

El precision es: 0.9912617541706051

El recall es: 0.9912280701754386

El F-Measure es: 0.9912249009570693

Clase real0 4

1 5

2 5

3 2

4 5

..

6037 4

6038 5

6039 5

6040 5

6041 5

Name: 5, Length: 6042, dtype: int64

Clase predicha[4 5 5 ... 5 5 5]

9730 0 0.1 0.2 0.3 1 0.4 0.5 0.6 0.7 1.1 ... 0.694 0.695 0.696 0.697 1.177 0.698 1.178 0.699 0.700 0.701 0.702

0 7442 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 1 0 0 0 0 0 1 0

1 25844 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

2 9565 0 0 0 0 0 0 1 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

3 718 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

4 26648 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

... ... .. ... ... ... .. ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...

6037 7981 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

6038 16628 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

6039 24254 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

6040 9764 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

6041 22150 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

[6042 rows x 883 columns]

C:\Users\yanin\AppData\Local\Programs\Python\Python310\lib\site-packages\sklearn\base.py:493: FutureWarning: The feature names should match those that were passed during fit. Starting version 1.2, an error will be raised.

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- 0.705

- 0.706

- 0.707

- ...

warnings.warn(message, FutureWarning)

[[6.20144104e-087 3.32024907e-035 9.69265616e-011 5.48644635e-001

4.51355365e-001]

[0.00000000e+000 1.12337515e-163 3.62263710e-068 1.49829585e-021

1.00000000e+000]

[1.17729532e-115 5.67408279e-047 3.07253916e-014 4.49891633e-001

5.50108367e-001]

...

[0.00000000e+000 9.08213407e-152 2.40616976e-063 5.36578591e-019

1.00000000e+000]

[1.02243611e-120 1.11443575e-050 4.34954671e-017 7.18548871e-003

9.92814511e-001]

[2.56472633e-301 8.28108756e-138 1.45367635e-057 1.06964062e-017

1.00000000e+000]]

--------------------------------------------Opiniones-----------------------------------------

El (Accuracy) es: 0.9912280701754386

El (Precision)es: 0.9912617541706051

El (Recall) es: 0.9912280701754386

El (F-Measure) es: 0.9912249009570693

C:\Users\yanin\AppData\Local\Programs\Python\Python310\lib\site-packages\sklearn\base.py:493: FutureWarning: The feature names should match those that were passed during fit. Starting version 1.2, an error will be raised.

Feature names unseen at fit time:

- 1.100

- 1.101

- 1.102

- 1.103

- 1.104

- ...

Feature names seen at fit time, yet now missing:

- 0.703

- 0.704

- 0.705

- 0.706

- 0.707

- ...

warnings.warn(message, FutureWarning)

El accuracy es: 0.8627937768950679

El precision es: 0.8633770379003534

El recall es: 0.8627937768950679

El F-Measure es: 0.8607306693578288

Clase real0 Hotel

1 Restaurant

2 Restaurant

3 Restaurant

4 Hotel

...

6037 Attractive

6038 Restaurant

6039 Restaurant

6040 Restaurant

6041 Hotel

Name: Restaurant, Length: 6042, dtype: object

Clase predicha['Hotel' 'Restaurant' 'Restaurant' ... 'Restaurant' 'Restaurant' 'Hotel']

9730 0 0.1 0.2 0.3 1 0.4 0.5 0.6 0.7 1.1 ... 0.694 0.695 0.696 0.697 1.177 0.698 1.178 0.699 0.700 0.701 0.702

0 7442 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 1 0 0 0 0 0 1 0

1 25844 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

2 9565 0 0 0 0 0 0 1 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

3 718 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

4 26648 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

... ... .. ... ... ... .. ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ...

6037 7981 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

6038 16628 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

6039 24254 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

6040 9764 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

6041 22150 0 0 0 0 0 0 0 0 0 0 ... 0 0 0 0 0 0 0 0 0 0 0

[6042 rows x 883 columns]

warnings.warn(message, FutureWarning)

[[5.86809762e-07 9.95013351e-01 4.98606193e-03]

[2.98105418e-02 2.90918115e-01 6.79271343e-01]

[3.88607875e-02 1.54722818e-02 9.45666931e-01]

...

[1.70365852e-03 9.99367766e-03 9.88302664e-01]

[9.83307692e-04 8.28974256e-03 9.90726950e-01]

[1.33094300e-03 9.67777767e-01 3.08912904e-02]]

--------------------------------------------Lugar-----------------------------------------

El (Accuracy) es: 0.8627937768950679

El (Precision)es: 0.8633770379003534

El (Recall) es: 0.8627937768950679

El (F-Measure) es: 0.8607306693578288

PS C:\Users\yanin\Documents\GitHub\silly-baps>