

jane_street_kaggle

December 19, 2020

1 INTRODUCTION:

The dataset is taken from jane street market competition. The goal of the below models is to predict whether each input vector is a trading opportunity or not. In the following report, we will see how kaggle's favourite XGBoost model compare to a 2-layer logistic regression model, and a simple 1-layer logistic model.

1.1 THE DATA:

The data is taken from train.csv file and parted into sets as discussed later. There are in total 130 features and 5 return values that determine whether a trade was profitable or not. In addition, there is weight associated with each entry. There is also date. Ideally, we want to study the features and find some form of bias. For example, feature 0 only consists either -1 or 1. In addition, we can use a combination of resp values and weight to represent its true resp.

However for the sake of time, we will ignore complexity and make this a simple binary classification problem. As seen later, we will use column 'resp' to claffify the trade/input as 0 (loss) or 1 (profit).

Lets dive into how the data is prepared for our model.

First we want to import all the necessary modules.

```
[2]: import pandas as pd
import numpy as np
import xgboost as xgb
from sklearn.metrics import classification_report
from sklearn.metrics import accuracy_score
```

We will load data from train.csv into pandas and print to verify.

```
[3]: df = pd.read_csv("train.csv")
print(df.head())
```

	date	weight	resp_1	resp_2	resp_3	resp_4	resp \
0	0	0.000000	0.009916	0.014079	0.008773	0.001390	0.006270
1	0	16.673515	-0.002828	-0.003226	-0.007319	-0.011114	-0.009792
2	0	0.000000	0.025134	0.027607	0.033406	0.034380	0.023970
3	0	0.000000	-0.004730	-0.003273	-0.000461	-0.000476	-0.003200
4	0	0.138531	0.001252	0.002165	-0.001215	-0.006219	-0.002604

	feature_0	feature_1	feature_2	...	feature_121	feature_122 \
--	-----------	-----------	-----------	-----	-------------	---------------

0	1	-1.872746	-2.191242	...	NaN	1.168391
1	-1	-1.349537	-1.704709	...	NaN	-1.178850
2	-1	0.812780	-0.256156	...	NaN	6.115747
3	-1	1.174378	0.344640	...	NaN	2.838853
4	1	-3.172026	-3.093182	...	NaN	0.344850

	feature_123	feature_124	feature_125	feature_126	feature_127	\
0	8.313583	1.782433	14.018213	2.653056	12.600292	
1	1.777472	-0.915458	2.831612	-1.417010	2.297459	
2	9.667908	5.542871	11.671595	7.281757	10.060014	
3	0.499251	3.033732	1.513488	4.397532	1.266037	
4	4.101145	0.614252	6.623456	0.800129	5.233243	

	feature_128	feature_129	ts_id
0	2.301488	11.445807	0
1	-1.304614	1.898684	1
2	6.638248	9.427299	2
3	3.856384	1.013469	3
4	0.362636	3.926633	4

[5 rows x 138 columns]

Let us clean up the data.

1: Clear all 0 weighted rows

```
[4]: indexEmptyWeight = df[ df['weight'] == 0 ].index
df.drop(indexEmptyWeight, inplace=True)
print(df.head())
df.info(memory_usage='deep')
```

	date	weight	resp_1	resp_2	resp_3	resp_4	resp	\
1	0	16.673515	-0.002828	-0.003226	-0.007319	-0.011114	-0.009792	
4	0	0.138531	0.001252	0.002165	-0.001215	-0.006219	-0.002604	
6	0	0.190575	-0.001939	-0.002301	0.001088	0.005963	0.000709	
7	0	3.820844	0.017395	0.021361	0.031163	0.036970	0.033473	
8	0	0.116557	-0.005460	-0.007301	-0.009085	-0.003546	-0.001677	

	feature_0	feature_1	feature_2	...	feature_121	feature_122	\
1	-1	-1.349537	-1.704709	...	NaN	-1.178850	
4	1	-3.172026	-3.093182	...	NaN	0.344850	
6	-1	-3.172026	-3.093182	...	NaN	0.336873	
7	-1	0.446050	-0.466210	...	NaN	2.101997	
8	1	-3.172026	-3.093182	...	NaN	1.537913	

	feature_123	feature_124	feature_125	feature_126	feature_127	\
1	1.777472	-0.915458	2.831612	-1.417010	2.297459	
4	4.101145	0.614252	6.623456	0.800129	5.233243	
6	4.076447	0.614783	6.622176	0.800618	5.231595	

7	4.846202	1.479875	5.261328	2.305066	4.571762
8	4.785838	1.637435	6.968002	2.354338	5.825499

	feature_128	feature_129	ts_id
1	-1.304614	1.898684	1
4	0.362636	3.926633	4
6	0.361506	3.921714	6
7	2.201537	4.429745	7
8	1.778029	4.740577	8

```
[5 rows x 138 columns]
<class 'pandas.core.frame.DataFrame'>
Int64Index: 1981287 entries, 1 to 2390489
Columns: 138 entries, date to ts_id
dtypes: float64(135), int64(3)
memory usage: 2.1 GB
```

2: Below we will replace any NaN value with -999 (arbitrary)

```
[5]: df = df.fillna(-999)
```

3: Make sure columns are Numeric. We need to ensure our data is numeric before feeding it in XGBoosting.

```
[6]: print(df.dtypes)
```

```
date          int64
weight        float64
resp_1        float64
resp_2        float64
resp_3        float64
...
feature_126    float64
feature_127    float64
feature_128    float64
feature_129    float64
ts_id          int64
Length: 138, dtype: object
```

#Now that we made sure all the columns are numeric, let's define X and Y.

4: Create prediction columns

We can add additional column to df which will be our Y ("label"). label will contain 1 if resp (return) is positive or 0 if it is negative.

```
[7]: df.loc[df['resp'] > 0, 'label'] = 1
df.loc[df['resp'] <= 0, 'label'] = 0
print(df.head())
```

date	weight	resp_1	resp_2	resp_3	resp_4	resp \
------	--------	--------	--------	--------	--------	--------

1	0	16.673515	-0.002828	-0.003226	-0.007319	-0.011114	-0.009792
4	0	0.138531	0.001252	0.002165	-0.001215	-0.006219	-0.002604
6	0	0.190575	-0.001939	-0.002301	0.001088	0.005963	0.000709
7	0	3.820844	0.017395	0.021361	0.031163	0.036970	0.033473
8	0	0.116557	-0.005460	-0.007301	-0.009085	-0.003546	-0.001677

	feature_0	feature_1	feature_2	...	feature_122	feature_123	\
1	-1	-1.349537	-1.704709	...	-1.178850	1.777472	
4	1	-3.172026	-3.093182	...	0.344850	4.101145	
6	-1	-3.172026	-3.093182	...	0.336873	4.076447	
7	-1	0.446050	-0.466210	...	2.101997	4.846202	
8	1	-3.172026	-3.093182	...	1.537913	4.785838	

	feature_124	feature_125	feature_126	feature_127	feature_128	\
1	-0.915458	2.831612	-1.417010	2.297459	-1.304614	
4	0.614252	6.623456	0.800129	5.233243	0.362636	
6	0.614783	6.622176	0.800618	5.231595	0.361506	
7	1.479875	5.261328	2.305066	4.571762	2.201537	
8	1.637435	6.968002	2.354338	5.825499	1.778029	

	feature_129	ts_id	label
1	1.898684	1	0.0
4	3.926633	4	0.0
6	3.921714	6	1.0
7	4.429745	7	1.0
8	4.740577	8	0.0

[5 rows x 139 columns]

5: Create Y_train

Extracting 'label' column to Y_train:

```
[8]: Y_train = df['label']
      print(Y_train.shape)
```

(1981287,)

6: Obtain X_train

Extracting columns that contain the keyword 'feature' to X_train:

```
[9]: X_train = df.loc[:, df.columns.str.contains('feature')]
      X_train = X_train.fillna(-999)
      for column in X_train.columns:
          X_train[column] = pd.to_numeric(X_train[column])
      print(X_train.shape)
```

(1981287, 130)

7: Split the data train-test-val

Now lets do a data split. We will be splitting 4/1 (train/test).

```
[10]: from sklearn.model_selection import train_test_split

X_train, X_test, Y_train, Y_test = train_test_split(X_train, Y_train,
↳random_state=42, stratify=Y_train)
```

We should split once again to obtain validation set. Once again it will be default 4/1 (train/val)

```
[11]: X_train, X_val, Y_train, Y_val = train_test_split(X_train, Y_train,
↳random_state=42, stratify=Y_train)
```

When doing the split we want to ensure the proportion of our Y is relatively same. That is why we used sklearn's train_test_split.

We can confirm that the split is constant by following:

```
[12]: print(sum(Y_val)/len(Y_val))
print(sum(Y_train)/len(Y_train))
print(sum(Y_test)/len(Y_test))
```

```
0.5044119388842828
0.5044132966882104
0.5044132907482405
```

Let's free up space for future objects

```
[13]: del df
```

Our data is ready for classifiers.

2 Models

2.1 Dummy Classifier

We will train dummy classifier

```
[33]: from sklearn.dummy import DummyClassifier
dummy_clf = DummyClassifier(strategy="most_frequent")
dummy_clf.fit(X_train, Y_train)
```

```
[33]: DummyClassifier(strategy='most_frequent')
```

```
[34]: dummy_y = dummy_clf.predict(X_test)
```

```
[41]: print(classification_report(Y_test, dummy_y))
print("Accuracy: ", accuracy_score(Y_test, dummy_y))
```

	precision	recall	f1-score	support
0.0	0.00	0.00	0.00	245475
1.0	0.50	1.00	0.67	249847

accuracy			0.50	495322
macro avg	0.25	0.50	0.34	495322
weighted avg	0.25	0.50	0.34	495322

Accuracy: 0.5044132907482405

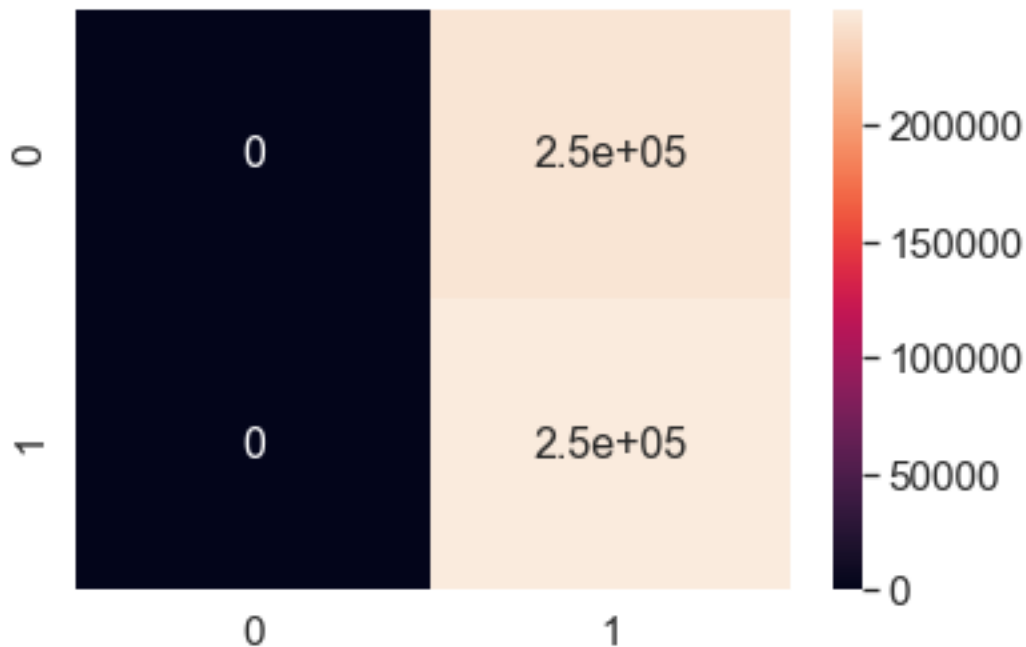
```
[39]: from sklearn.metrics import confusion_matrix
cm_dummy = confusion_matrix(Y_test, dummy_y)
print(cm_dummy)
```

```
[[ 0 245475]
 [ 0 249847]]
```

```
[40]: import seaborn as sn

df_xgb = pd.DataFrame(cm_xgb)
# plt.figure(figsize=(10,7))
sn.set(font_scale=1.4) # for label size
sn.heatmap(cm_dummy, annot=True, annot_kws={"size": 16}) # font size

plt.show()
```



2.2 XGBoost

Below we will tune our hyperparameters for XGBoost. We will optimize `n_estimators`, `learning_rate`, `max_depth`.

We will be using `GridSearchCV`

```
[25]: from sklearn.model_selection import GridSearchCV

param_grid = {
    'n_estimators': [600, 1000, 1200],
    'learning_rate': [0.01, 0.05, 0.005],
    'max_depth': [6, 11, 15]
}

optimal_param = GridSearchCV(estimator=xgb.XGBClassifier(objective='binary:
    ↳logistic', missing=-999,
                                ↳
    ↳tree_method='gpu_hist', subsample=0.50, colsample_bytree=0.50),
                             param_grid=param_grid, scoring='roc_auc'
                             )
```

```
[26]: optimal_param.fit(X_train, Y_train, verbose=True, early_stopping_rounds=10,
    eval_metric='auc', eval_set=[(X_val, Y_val)])
```

```
[0]    validation_0-auc:0.52322
Will train until validation_0-auc hasn't improved in 10 rounds.
[1]    validation_0-auc:0.53055
[2]    validation_0-auc:0.53338
[3]    validation_0-auc:0.53443
[4]    validation_0-auc:0.53473
[5]    validation_0-auc:0.53615
[6]    validation_0-auc:0.53598
[7]    validation_0-auc:0.53600
[8]    validation_0-auc:0.53631
[9]    validation_0-auc:0.53646
[10]   validation_0-auc:0.53669
[11]   validation_0-auc:0.53829
[12]   validation_0-auc:0.53892
[13]   validation_0-auc:0.53896
[14]   validation_0-auc:0.53927
[15]   validation_0-auc:0.53920
[16]   validation_0-auc:0.53935
[17]   validation_0-auc:0.53967
[18]   validation_0-auc:0.53975
[19]   validation_0-auc:0.53991
[20]   validation_0-auc:0.54033
[21]   validation_0-auc:0.54058
[22]   validation_0-auc:0.54065
```

[23] validation_0-auc:0.54077
[24] validation_0-auc:0.54068
[25] validation_0-auc:0.54060
[26] validation_0-auc:0.54061
[27] validation_0-auc:0.54067
[28] validation_0-auc:0.54060
[29] validation_0-auc:0.54093
[30] validation_0-auc:0.54088
[31] validation_0-auc:0.54109
[32] validation_0-auc:0.54118
[33] validation_0-auc:0.54118
[34] validation_0-auc:0.54125
[35] validation_0-auc:0.54126
[36] validation_0-auc:0.54139
[37] validation_0-auc:0.54140
[38] validation_0-auc:0.54150
[39] validation_0-auc:0.54153
[40] validation_0-auc:0.54153
[41] validation_0-auc:0.54179
[42] validation_0-auc:0.54185
[43] validation_0-auc:0.54181
[44] validation_0-auc:0.54185
[45] validation_0-auc:0.54198
[46] validation_0-auc:0.54208
[47] validation_0-auc:0.54217
[48] validation_0-auc:0.54219
[49] validation_0-auc:0.54215
[50] validation_0-auc:0.54227
[51] validation_0-auc:0.54236
[52] validation_0-auc:0.54257
[53] validation_0-auc:0.54253
[54] validation_0-auc:0.54248
[55] validation_0-auc:0.54262
[56] validation_0-auc:0.54262
[57] validation_0-auc:0.54265
[58] validation_0-auc:0.54268
[59] validation_0-auc:0.54271
[60] validation_0-auc:0.54277
[61] validation_0-auc:0.54274
[62] validation_0-auc:0.54279
[63] validation_0-auc:0.54279
[64] validation_0-auc:0.54280
[65] validation_0-auc:0.54286
[66] validation_0-auc:0.54287
[67] validation_0-auc:0.54298
[68] validation_0-auc:0.54304
[69] validation_0-auc:0.54302
[70] validation_0-auc:0.54316

[71] validation_0-auc:0.54321
[72] validation_0-auc:0.54334
[73] validation_0-auc:0.54346
[74] validation_0-auc:0.54348
[75] validation_0-auc:0.54354
[76] validation_0-auc:0.54351
[77] validation_0-auc:0.54350
[78] validation_0-auc:0.54356
[79] validation_0-auc:0.54359
[80] validation_0-auc:0.54362
[81] validation_0-auc:0.54365
[82] validation_0-auc:0.54363
[83] validation_0-auc:0.54372
[84] validation_0-auc:0.54371
[85] validation_0-auc:0.54382
[86] validation_0-auc:0.54392
[87] validation_0-auc:0.54403
[88] validation_0-auc:0.54403
[89] validation_0-auc:0.54409
[90] validation_0-auc:0.54417
[91] validation_0-auc:0.54422
[92] validation_0-auc:0.54425
[93] validation_0-auc:0.54428
[94] validation_0-auc:0.54436
[95] validation_0-auc:0.54438
[96] validation_0-auc:0.54448
[97] validation_0-auc:0.54451
[98] validation_0-auc:0.54457
[99] validation_0-auc:0.54470
[100] validation_0-auc:0.54474
[101] validation_0-auc:0.54484
[102] validation_0-auc:0.54495
[103] validation_0-auc:0.54501
[104] validation_0-auc:0.54502
[105] validation_0-auc:0.54505
[106] validation_0-auc:0.54508
[107] validation_0-auc:0.54522
[108] validation_0-auc:0.54524
[109] validation_0-auc:0.54528
[110] validation_0-auc:0.54534
[111] validation_0-auc:0.54536
[112] validation_0-auc:0.54544
[113] validation_0-auc:0.54549
[114] validation_0-auc:0.54550
[115] validation_0-auc:0.54556
[116] validation_0-auc:0.54561
[117] validation_0-auc:0.54570
[118] validation_0-auc:0.54574

[119] validation_0-auc:0.54575
[120] validation_0-auc:0.54580
[121] validation_0-auc:0.54584
[122] validation_0-auc:0.54586
[123] validation_0-auc:0.54588
[124] validation_0-auc:0.54595
[125] validation_0-auc:0.54611
[126] validation_0-auc:0.54610
[127] validation_0-auc:0.54612
[128] validation_0-auc:0.54613
[129] validation_0-auc:0.54616
[130] validation_0-auc:0.54617
[131] validation_0-auc:0.54615
[132] validation_0-auc:0.54617
[133] validation_0-auc:0.54619
[134] validation_0-auc:0.54626
[135] validation_0-auc:0.54628
[136] validation_0-auc:0.54637
[137] validation_0-auc:0.54640
[138] validation_0-auc:0.54642
[139] validation_0-auc:0.54648
[140] validation_0-auc:0.54652
[141] validation_0-auc:0.54660
[142] validation_0-auc:0.54664
[143] validation_0-auc:0.54665
[144] validation_0-auc:0.54676
[145] validation_0-auc:0.54686
[146] validation_0-auc:0.54687
[147] validation_0-auc:0.54693
[148] validation_0-auc:0.54696
[149] validation_0-auc:0.54703
[150] validation_0-auc:0.54703
[151] validation_0-auc:0.54704
[152] validation_0-auc:0.54708
[153] validation_0-auc:0.54713
[154] validation_0-auc:0.54714
[155] validation_0-auc:0.54720
[156] validation_0-auc:0.54724
[157] validation_0-auc:0.54726
[158] validation_0-auc:0.54729
[159] validation_0-auc:0.54732
[160] validation_0-auc:0.54740
[161] validation_0-auc:0.54747
[162] validation_0-auc:0.54748
[163] validation_0-auc:0.54748
[164] validation_0-auc:0.54757
[165] validation_0-auc:0.54758
[166] validation_0-auc:0.54758

[167] validation_0-auc:0.54762
[168] validation_0-auc:0.54764
[169] validation_0-auc:0.54768
[170] validation_0-auc:0.54769
[171] validation_0-auc:0.54772
[172] validation_0-auc:0.54775
[173] validation_0-auc:0.54780
[174] validation_0-auc:0.54785
[175] validation_0-auc:0.54790
[176] validation_0-auc:0.54794
[177] validation_0-auc:0.54801
[178] validation_0-auc:0.54808
[179] validation_0-auc:0.54808
[180] validation_0-auc:0.54812
[181] validation_0-auc:0.54816
[182] validation_0-auc:0.54818
[183] validation_0-auc:0.54820
[184] validation_0-auc:0.54816
[185] validation_0-auc:0.54817
[186] validation_0-auc:0.54821
[187] validation_0-auc:0.54822
[188] validation_0-auc:0.54826
[189] validation_0-auc:0.54826
[190] validation_0-auc:0.54829
[191] validation_0-auc:0.54829
[192] validation_0-auc:0.54835
[193] validation_0-auc:0.54835
[194] validation_0-auc:0.54839
[195] validation_0-auc:0.54845
[196] validation_0-auc:0.54851
[197] validation_0-auc:0.54855
[198] validation_0-auc:0.54861
[199] validation_0-auc:0.54862
[200] validation_0-auc:0.54865
[201] validation_0-auc:0.54866
[202] validation_0-auc:0.54867
[203] validation_0-auc:0.54868
[204] validation_0-auc:0.54872
[205] validation_0-auc:0.54872
[206] validation_0-auc:0.54875
[207] validation_0-auc:0.54882
[208] validation_0-auc:0.54884
[209] validation_0-auc:0.54885
[210] validation_0-auc:0.54886
[211] validation_0-auc:0.54888
[212] validation_0-auc:0.54891
[213] validation_0-auc:0.54895
[214] validation_0-auc:0.54895

[215] validation_0-auc:0.54895
[216] validation_0-auc:0.54900
[217] validation_0-auc:0.54902
[218] validation_0-auc:0.54903
[219] validation_0-auc:0.54907
[220] validation_0-auc:0.54910
[221] validation_0-auc:0.54917
[222] validation_0-auc:0.54918
[223] validation_0-auc:0.54920
[224] validation_0-auc:0.54921
[225] validation_0-auc:0.54926
[226] validation_0-auc:0.54929
[227] validation_0-auc:0.54929
[228] validation_0-auc:0.54934
[229] validation_0-auc:0.54941
[230] validation_0-auc:0.54949
[231] validation_0-auc:0.54953
[232] validation_0-auc:0.54952
[233] validation_0-auc:0.54953
[234] validation_0-auc:0.54953
[235] validation_0-auc:0.54966
[236] validation_0-auc:0.54968
[237] validation_0-auc:0.54966
[238] validation_0-auc:0.54966
[239] validation_0-auc:0.54972
[240] validation_0-auc:0.54972
[241] validation_0-auc:0.54975
[242] validation_0-auc:0.54978
[243] validation_0-auc:0.54989
[244] validation_0-auc:0.54992
[245] validation_0-auc:0.54994
[246] validation_0-auc:0.54996
[247] validation_0-auc:0.55000
[248] validation_0-auc:0.55001
[249] validation_0-auc:0.55003
[250] validation_0-auc:0.55007
[251] validation_0-auc:0.55011
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Will train until validation_0-auc hasn't improved in 10 rounds.
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.
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[24] validation_0-auc:0.54094
[25] validation_0-auc:0.54119
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[27] validation_0-auc:0.54115
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Will train until validation_0-auc hasn't improved in 10 rounds.
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.
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Will train until validation_0-auc hasn't improved in 10 rounds.

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[596] validation_0-auc:0.60479
[597] validation_0-auc:0.60481


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[598] validation_0-auc:0.60483
[599] validation_0-auc:0.60485
[0] validation_0-auc:0.52768
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53782
[2] validation_0-auc:0.54195
[3] validation_0-auc:0.54536
[4] validation_0-auc:0.54845
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[6] validation_0-auc:0.55202
[7] validation_0-auc:0.55329
[8] validation_0-auc:0.55441
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[14] validation_0-auc:0.55894
[15] validation_0-auc:0.55947
[16] validation_0-auc:0.55993
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[18] validation_0-auc:0.56106
[19] validation_0-auc:0.56158
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[21] validation_0-auc:0.56348
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[23] validation_0-auc:0.56363
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[30] validation_0-auc:0.56751
[31] validation_0-auc:0.56747
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[33] validation_0-auc:0.56780
[34] validation_0-auc:0.56781
[35] validation_0-auc:0.56783
[36] validation_0-auc:0.56766
[37] validation_0-auc:0.56752
[38] validation_0-auc:0.56799
[39] validation_0-auc:0.56831
[40] validation_0-auc:0.56837
[41] validation_0-auc:0.56948
[42] validation_0-auc:0.56976
[43] validation_0-auc:0.56992
[44] validation_0-auc:0.56999
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Will train until validation_0-auc hasn't improved in 10 rounds.
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[2] validation_0-auc:0.54217
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[12] validation_0-auc:0.55835
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[14] validation_0-auc:0.55976
[15] validation_0-auc:0.56036
[16] validation_0-auc:0.56069
[17] validation_0-auc:0.56115
[18] validation_0-auc:0.56115
[19] validation_0-auc:0.56166
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[761] validation_0-auc:0.61011
[762] validation_0-auc:0.61013

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[763] validation_0-auc:0.61014
[764] validation_0-auc:0.61015
[765] validation_0-auc:0.61015
[766] validation_0-auc:0.61015
Stopping. Best iteration:
[756] validation_0-auc:0.61017
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[0] validation_0-auc:0.52782
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.54200
[2] validation_0-auc:0.54562
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[4] validation_0-auc:0.55154
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[9] validation_0-auc:0.55729
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[11] validation_0-auc:0.55800
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[25] validation_0-auc:0.56781
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[39] validation_0-auc:0.57065
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Will train until validation_0-auc hasn't improved in 10 rounds.
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Stopping. Best iteration:
[756] validation_0-auc:0.61017

[0] validation_0-auc:0.52782
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.54200
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Will train until validation_0-auc hasn't improved in 10 rounds.

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[0] validation_0-auc:0.52768

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53782
[2] validation_0-auc:0.54195
[3] validation_0-auc:0.54536
[4] validation_0-auc:0.54845
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Stopping. Best iteration:
[985] validation_0-auc:0.63945

[0] validation_0-auc:0.52853
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.54371
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[4] validation_0-auc:0.55687
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[760] validation_0-auc:0.63329
Stopping. Best iteration:
[750] validation_0-auc:0.63331

[0] validation_0-auc:0.52610
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53909
[2] validation_0-auc:0.54378
[3] validation_0-auc:0.54982
[4] validation_0-auc:0.55476
[5] validation_0-auc:0.55691
[6] validation_0-auc:0.55783
[7] validation_0-auc:0.55919
[8] validation_0-auc:0.56193
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[10] validation_0-auc:0.56397
[11] validation_0-auc:0.56481
[12] validation_0-auc:0.56547
[13] validation_0-auc:0.56678
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Stopping. Best iteration:

[841] validation_0-auc:0.63486

[0] validation_0-auc:0.52890

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53984

[2] validation_0-auc:0.54524

[3] validation_0-auc:0.55026
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[14] validation_0-auc:0.56819
[15] validation_0-auc:0.56902
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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[995] validation_0-auc:0.63938

Stopping. Best iteration:

[985] validation_0-auc:0.63945

[0] validation_0-auc:0.52853

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.54371
[2] validation_0-auc:0.54895
[3] validation_0-auc:0.55405
[4] validation_0-auc:0.55687
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Stopping. Best iteration:

[750] validation_0-auc:0.63331

[0] validation_0-auc:0.52610

Will train until validation_0-auc hasn't improved in 10 rounds.

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[850] validation_0-auc:0.63479
[851] validation_0-auc:0.63482
Stopping. Best iteration:
[841] validation_0-auc:0.63486

[0] validation_0-auc:0.52890
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53984
[2] validation_0-auc:0.54524
[3] validation_0-auc:0.55026
[4] validation_0-auc:0.55362
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[1138] validation_0-auc:0.64287
[1139] validation_0-auc:0.64292

[1140] validation_0-auc:0.64292
Stopping. Best iteration:
[1130] validation_0-auc:0.64292

[0] validation_0-auc:0.52716
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53850
[2] validation_0-auc:0.54407
[3] validation_0-auc:0.54979
[4] validation_0-auc:0.55340
[5] validation_0-auc:0.55527
[6] validation_0-auc:0.55700
[7] validation_0-auc:0.55888
[8] validation_0-auc:0.56152
[9] validation_0-auc:0.56304
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Will train until validation_0-auc hasn't improved in 10 rounds.
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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[498] validation_0-auc:0.57620
[499] validation_0-auc:0.57621
[500] validation_0-auc:0.57619
[501] validation_0-auc:0.57619
Stopping. Best iteration:
[491] validation_0-auc:0.57626

[0] validation_0-auc:0.52292
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53009
[2] validation_0-auc:0.53185
[3] validation_0-auc:0.53335
[4] validation_0-auc:0.53499
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[8] validation_0-auc:0.53803
[9] validation_0-auc:0.53916
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[11] validation_0-auc:0.53966
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[27] validation_0-auc:0.54461
[28] validation_0-auc:0.54470
[29] validation_0-auc:0.54497
[30] validation_0-auc:0.54517
[31] validation_0-auc:0.54534
[32] validation_0-auc:0.54547
[33] validation_0-auc:0.54566
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[35] validation_0-auc:0.54599
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[37] validation_0-auc:0.54636
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[40] validation_0-auc:0.54700
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[65] validation_0-auc:0.54982
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Stopping. Best iteration:

[570] validation_0-auc:0.57882

[0] validation_0-auc:0.52322

Will train until validation_0-auc hasn't improved in 10 rounds.

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Stopping. Best iteration:

[945] validation_0-auc:0.58576

[0] validation_0-auc:0.52375

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53352
[2] validation_0-auc:0.53498
[3] validation_0-auc:0.53668
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Stopping. Best iteration:
[742] validation_0-auc:0.58166

[0] validation_0-auc:0.52336
Will train until validation_0-auc hasn't improved in 10 rounds.
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[2] validation_0-auc:0.53226
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[4] validation_0-auc:0.53480
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Stopping. Best iteration:

[885] validation_0-auc:0.58231

[0] validation_0-auc:0.52110

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.52846

[2] validation_0-auc:0.53048

[3] validation_0-auc:0.53291
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Stopping. Best iteration:

[491] validation_0-auc:0.57626

[0] validation_0-auc:0.52292

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53009
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Stopping. Best iteration:

[570] validation_0-auc:0.57882

[0] validation_0-auc:0.52322

Will train until validation_0-auc hasn't improved in 10 rounds.

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Stopping. Best iteration:

[945] validation_0-auc:0.58576

[0] validation_0-auc:0.52375

Will train until validation_0-auc hasn't improved in 10 rounds.

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[2] validation_0-auc:0.53498
[3] validation_0-auc:0.53668
[4] validation_0-auc:0.53706
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Stopping. Best iteration:

[742] validation_0-auc:0.58166

[0] validation_0-auc:0.52336

Will train until validation_0-auc hasn't improved in 10 rounds.

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[884] validation_0-auc:0.58229
[885] validation_0-auc:0.58231
[886] validation_0-auc:0.58229
[887] validation_0-auc:0.58226
[888] validation_0-auc:0.58226
[889] validation_0-auc:0.58224
[890] validation_0-auc:0.58224

[891] validation_0-auc:0.58223
[892] validation_0-auc:0.58224
[893] validation_0-auc:0.58226
[894] validation_0-auc:0.58228
[895] validation_0-auc:0.58229
Stopping. Best iteration:
[885] validation_0-auc:0.58231

[0] validation_0-auc:0.52110
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.52846
[2] validation_0-auc:0.53048
[3] validation_0-auc:0.53291
[4] validation_0-auc:0.53484
[5] validation_0-auc:0.53752
[6] validation_0-auc:0.53783
[7] validation_0-auc:0.53785
[8] validation_0-auc:0.53807
[9] validation_0-auc:0.53904
[10] validation_0-auc:0.53928
[11] validation_0-auc:0.54036
[12] validation_0-auc:0.54092
[13] validation_0-auc:0.54105
[14] validation_0-auc:0.54194
[15] validation_0-auc:0.54217
[16] validation_0-auc:0.54251
[17] validation_0-auc:0.54255
[18] validation_0-auc:0.54240
[19] validation_0-auc:0.54241
[20] validation_0-auc:0.54321
[21] validation_0-auc:0.54349
[22] validation_0-auc:0.54401
[23] validation_0-auc:0.54420
[24] validation_0-auc:0.54450
[25] validation_0-auc:0.54469
[26] validation_0-auc:0.54466
[27] validation_0-auc:0.54473
[28] validation_0-auc:0.54482
[29] validation_0-auc:0.54495
[30] validation_0-auc:0.54523
[31] validation_0-auc:0.54525
[32] validation_0-auc:0.54543
[33] validation_0-auc:0.54556
[34] validation_0-auc:0.54564
[35] validation_0-auc:0.54578
[36] validation_0-auc:0.54586
[37] validation_0-auc:0.54598
[38] validation_0-auc:0.54605

[39] validation_0-auc:0.54609
[40] validation_0-auc:0.54636
[41] validation_0-auc:0.54646
[42] validation_0-auc:0.54651
[43] validation_0-auc:0.54670
[44] validation_0-auc:0.54675
[45] validation_0-auc:0.54684
[46] validation_0-auc:0.54694
[47] validation_0-auc:0.54704
[48] validation_0-auc:0.54728
[49] validation_0-auc:0.54736
[50] validation_0-auc:0.54733
[51] validation_0-auc:0.54746
[52] validation_0-auc:0.54764
[53] validation_0-auc:0.54774
[54] validation_0-auc:0.54773
[55] validation_0-auc:0.54803
[56] validation_0-auc:0.54823
[57] validation_0-auc:0.54835
[58] validation_0-auc:0.54843
[59] validation_0-auc:0.54873
[60] validation_0-auc:0.54896
[61] validation_0-auc:0.54914
[62] validation_0-auc:0.54920
[63] validation_0-auc:0.54923
[64] validation_0-auc:0.54954
[65] validation_0-auc:0.54957
[66] validation_0-auc:0.54991
[67] validation_0-auc:0.55007
[68] validation_0-auc:0.55004
[69] validation_0-auc:0.55016
[70] validation_0-auc:0.55042
[71] validation_0-auc:0.55053
[72] validation_0-auc:0.55053
[73] validation_0-auc:0.55056
[74] validation_0-auc:0.55073
[75] validation_0-auc:0.55079
[76] validation_0-auc:0.55085
[77] validation_0-auc:0.55101
[78] validation_0-auc:0.55115
[79] validation_0-auc:0.55127
[80] validation_0-auc:0.55153
[81] validation_0-auc:0.55153
[82] validation_0-auc:0.55172
[83] validation_0-auc:0.55169
[84] validation_0-auc:0.55197
[85] validation_0-auc:0.55205
[86] validation_0-auc:0.55203

[87] validation_0-auc:0.55231
[88] validation_0-auc:0.55239
[89] validation_0-auc:0.55250
[90] validation_0-auc:0.55261
[91] validation_0-auc:0.55270
[92] validation_0-auc:0.55280
[93] validation_0-auc:0.55275
[94] validation_0-auc:0.55285
[95] validation_0-auc:0.55324
[96] validation_0-auc:0.55340
[97] validation_0-auc:0.55353
[98] validation_0-auc:0.55372
[99] validation_0-auc:0.55390
[100] validation_0-auc:0.55416
[101] validation_0-auc:0.55432
[102] validation_0-auc:0.55441
[103] validation_0-auc:0.55479
[104] validation_0-auc:0.55505
[105] validation_0-auc:0.55506
[106] validation_0-auc:0.55510
[107] validation_0-auc:0.55511
[108] validation_0-auc:0.55516
[109] validation_0-auc:0.55512
[110] validation_0-auc:0.55518
[111] validation_0-auc:0.55525
[112] validation_0-auc:0.55539
[113] validation_0-auc:0.55541
[114] validation_0-auc:0.55552
[115] validation_0-auc:0.55582
[116] validation_0-auc:0.55602
[117] validation_0-auc:0.55610
[118] validation_0-auc:0.55609
[119] validation_0-auc:0.55623
[120] validation_0-auc:0.55627
[121] validation_0-auc:0.55640
[122] validation_0-auc:0.55644
[123] validation_0-auc:0.55656
[124] validation_0-auc:0.55658
[125] validation_0-auc:0.55672
[126] validation_0-auc:0.55685
[127] validation_0-auc:0.55714
[128] validation_0-auc:0.55723
[129] validation_0-auc:0.55746
[130] validation_0-auc:0.55762
[131] validation_0-auc:0.55769
[132] validation_0-auc:0.55774
[133] validation_0-auc:0.55779
[134] validation_0-auc:0.55789

[135] validation_0-auc:0.55788
[136] validation_0-auc:0.55790
[137] validation_0-auc:0.55806
[138] validation_0-auc:0.55829
[139] validation_0-auc:0.55829
[140] validation_0-auc:0.55850
[141] validation_0-auc:0.55853
[142] validation_0-auc:0.55860
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[144] validation_0-auc:0.55877
[145] validation_0-auc:0.55884
[146] validation_0-auc:0.55893
[147] validation_0-auc:0.55910
[148] validation_0-auc:0.55911
[149] validation_0-auc:0.55910
[150] validation_0-auc:0.55927
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[154] validation_0-auc:0.55952
[155] validation_0-auc:0.55962
[156] validation_0-auc:0.55964
[157] validation_0-auc:0.55980
[158] validation_0-auc:0.55993
[159] validation_0-auc:0.56001
[160] validation_0-auc:0.56034
[161] validation_0-auc:0.56038
[162] validation_0-auc:0.56043
[163] validation_0-auc:0.56049
[164] validation_0-auc:0.56063
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[166] validation_0-auc:0.56066
[167] validation_0-auc:0.56065
[168] validation_0-auc:0.56066
[169] validation_0-auc:0.56075
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[171] validation_0-auc:0.56104
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[183] validation_0-auc:0.56202
[184] validation_0-auc:0.56209
[185] validation_0-auc:0.56213
[186] validation_0-auc:0.56224
[187] validation_0-auc:0.56237
[188] validation_0-auc:0.56239
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[196] validation_0-auc:0.56282
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[201] validation_0-auc:0.56332
[202] validation_0-auc:0.56339
[203] validation_0-auc:0.56341
[204] validation_0-auc:0.56354
[205] validation_0-auc:0.56360
[206] validation_0-auc:0.56368
[207] validation_0-auc:0.56383
[208] validation_0-auc:0.56385
[209] validation_0-auc:0.56389
[210] validation_0-auc:0.56394
[211] validation_0-auc:0.56397
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[213] validation_0-auc:0.56422
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[215] validation_0-auc:0.56424
[216] validation_0-auc:0.56430
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[218] validation_0-auc:0.56457
[219] validation_0-auc:0.56459
[220] validation_0-auc:0.56458
[221] validation_0-auc:0.56466
[222] validation_0-auc:0.56468
[223] validation_0-auc:0.56482
[224] validation_0-auc:0.56492
[225] validation_0-auc:0.56498
[226] validation_0-auc:0.56507
[227] validation_0-auc:0.56513
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[230] validation_0-auc:0.56544

[231] validation_0-auc:0.56551
[232] validation_0-auc:0.56565
[233] validation_0-auc:0.56568
[234] validation_0-auc:0.56568
[235] validation_0-auc:0.56591
[236] validation_0-auc:0.56595
[237] validation_0-auc:0.56600
[238] validation_0-auc:0.56600
[239] validation_0-auc:0.56600
[240] validation_0-auc:0.56606
[241] validation_0-auc:0.56609
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[243] validation_0-auc:0.56618
[244] validation_0-auc:0.56628
[245] validation_0-auc:0.56642
[246] validation_0-auc:0.56644
[247] validation_0-auc:0.56645
[248] validation_0-auc:0.56657
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[251] validation_0-auc:0.56681
[252] validation_0-auc:0.56679
[253] validation_0-auc:0.56703
[254] validation_0-auc:0.56708
[255] validation_0-auc:0.56711
[256] validation_0-auc:0.56719
[257] validation_0-auc:0.56717
[258] validation_0-auc:0.56722
[259] validation_0-auc:0.56725
[260] validation_0-auc:0.56727
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[262] validation_0-auc:0.56736
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[266] validation_0-auc:0.56752
[267] validation_0-auc:0.56754
[268] validation_0-auc:0.56766
[269] validation_0-auc:0.56773
[270] validation_0-auc:0.56779
[271] validation_0-auc:0.56783
[272] validation_0-auc:0.56789
[273] validation_0-auc:0.56800
[274] validation_0-auc:0.56800
[275] validation_0-auc:0.56803
[276] validation_0-auc:0.56806
[277] validation_0-auc:0.56811
[278] validation_0-auc:0.56824

[279] validation_0-auc:0.56835
[280] validation_0-auc:0.56832
[281] validation_0-auc:0.56839
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[283] validation_0-auc:0.56865
[284] validation_0-auc:0.56864
[285] validation_0-auc:0.56879
[286] validation_0-auc:0.56881
[287] validation_0-auc:0.56884
[288] validation_0-auc:0.56883
[289] validation_0-auc:0.56881
[290] validation_0-auc:0.56884
[291] validation_0-auc:0.56884
[292] validation_0-auc:0.56885
[293] validation_0-auc:0.56892
[294] validation_0-auc:0.56903
[295] validation_0-auc:0.56915
[296] validation_0-auc:0.56918
[297] validation_0-auc:0.56931
[298] validation_0-auc:0.56936
[299] validation_0-auc:0.56941
[300] validation_0-auc:0.56947
[301] validation_0-auc:0.56952
[302] validation_0-auc:0.56958
[303] validation_0-auc:0.56962
[304] validation_0-auc:0.56966
[305] validation_0-auc:0.56965
[306] validation_0-auc:0.56970
[307] validation_0-auc:0.56978
[308] validation_0-auc:0.56979
[309] validation_0-auc:0.56978
[310] validation_0-auc:0.56990
[311] validation_0-auc:0.56995
[312] validation_0-auc:0.56995
[313] validation_0-auc:0.57004
[314] validation_0-auc:0.57025
[315] validation_0-auc:0.57034
[316] validation_0-auc:0.57057
[317] validation_0-auc:0.57061
[318] validation_0-auc:0.57086
[319] validation_0-auc:0.57093
[320] validation_0-auc:0.57088
[321] validation_0-auc:0.57090
[322] validation_0-auc:0.57094
[323] validation_0-auc:0.57098
[324] validation_0-auc:0.57093
[325] validation_0-auc:0.57100
[326] validation_0-auc:0.57098

[327] validation_0-auc:0.57100
[328] validation_0-auc:0.57106
[329] validation_0-auc:0.57108
[330] validation_0-auc:0.57127
[331] validation_0-auc:0.57128
[332] validation_0-auc:0.57131
[333] validation_0-auc:0.57141
[334] validation_0-auc:0.57141
[335] validation_0-auc:0.57139
[336] validation_0-auc:0.57156
[337] validation_0-auc:0.57156
[338] validation_0-auc:0.57161
[339] validation_0-auc:0.57159
[340] validation_0-auc:0.57158
[341] validation_0-auc:0.57159
[342] validation_0-auc:0.57159
[343] validation_0-auc:0.57163
[344] validation_0-auc:0.57160
[345] validation_0-auc:0.57162
[346] validation_0-auc:0.57158
[347] validation_0-auc:0.57155
[348] validation_0-auc:0.57156
[349] validation_0-auc:0.57156
[350] validation_0-auc:0.57159
[351] validation_0-auc:0.57172
[352] validation_0-auc:0.57171
[353] validation_0-auc:0.57173
[354] validation_0-auc:0.57171
[355] validation_0-auc:0.57170
[356] validation_0-auc:0.57175
[357] validation_0-auc:0.57185
[358] validation_0-auc:0.57195
[359] validation_0-auc:0.57202
[360] validation_0-auc:0.57213
[361] validation_0-auc:0.57211
[362] validation_0-auc:0.57213
[363] validation_0-auc:0.57218
[364] validation_0-auc:0.57227
[365] validation_0-auc:0.57227
[366] validation_0-auc:0.57235
[367] validation_0-auc:0.57233
[368] validation_0-auc:0.57237
[369] validation_0-auc:0.57234
[370] validation_0-auc:0.57239
[371] validation_0-auc:0.57256
[372] validation_0-auc:0.57263
[373] validation_0-auc:0.57267
[374] validation_0-auc:0.57270

[375] validation_0-auc:0.57269
[376] validation_0-auc:0.57270
[377] validation_0-auc:0.57275
[378] validation_0-auc:0.57272
[379] validation_0-auc:0.57274
[380] validation_0-auc:0.57277
[381] validation_0-auc:0.57279
[382] validation_0-auc:0.57283
[383] validation_0-auc:0.57282
[384] validation_0-auc:0.57291
[385] validation_0-auc:0.57295
[386] validation_0-auc:0.57297
[387] validation_0-auc:0.57298
[388] validation_0-auc:0.57299
[389] validation_0-auc:0.57300
[390] validation_0-auc:0.57307
[391] validation_0-auc:0.57313
[392] validation_0-auc:0.57318
[393] validation_0-auc:0.57316
[394] validation_0-auc:0.57319
[395] validation_0-auc:0.57317
[396] validation_0-auc:0.57320
[397] validation_0-auc:0.57320
[398] validation_0-auc:0.57324
[399] validation_0-auc:0.57326
[400] validation_0-auc:0.57327
[401] validation_0-auc:0.57329
[402] validation_0-auc:0.57328
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[404] validation_0-auc:0.57338
[405] validation_0-auc:0.57336
[406] validation_0-auc:0.57338
[407] validation_0-auc:0.57349
[408] validation_0-auc:0.57350
[409] validation_0-auc:0.57357
[410] validation_0-auc:0.57359
[411] validation_0-auc:0.57356
[412] validation_0-auc:0.57358
[413] validation_0-auc:0.57357
[414] validation_0-auc:0.57358
[415] validation_0-auc:0.57361
[416] validation_0-auc:0.57360
[417] validation_0-auc:0.57367
[418] validation_0-auc:0.57369
[419] validation_0-auc:0.57371
[420] validation_0-auc:0.57374
[421] validation_0-auc:0.57374
[422] validation_0-auc:0.57372

[423] validation_0-auc:0.57373
[424] validation_0-auc:0.57383
[425] validation_0-auc:0.57400
[426] validation_0-auc:0.57406
[427] validation_0-auc:0.57409
[428] validation_0-auc:0.57413
[429] validation_0-auc:0.57412
[430] validation_0-auc:0.57428
[431] validation_0-auc:0.57436
[432] validation_0-auc:0.57441
[433] validation_0-auc:0.57449
[434] validation_0-auc:0.57454
[435] validation_0-auc:0.57452
[436] validation_0-auc:0.57455
[437] validation_0-auc:0.57459
[438] validation_0-auc:0.57458
[439] validation_0-auc:0.57459
[440] validation_0-auc:0.57461
[441] validation_0-auc:0.57464
[442] validation_0-auc:0.57468
[443] validation_0-auc:0.57467
[444] validation_0-auc:0.57466
[445] validation_0-auc:0.57471
[446] validation_0-auc:0.57475
[447] validation_0-auc:0.57478
[448] validation_0-auc:0.57484
[449] validation_0-auc:0.57487
[450] validation_0-auc:0.57485
[451] validation_0-auc:0.57488
[452] validation_0-auc:0.57501
[453] validation_0-auc:0.57512
[454] validation_0-auc:0.57517
[455] validation_0-auc:0.57523
[456] validation_0-auc:0.57521
[457] validation_0-auc:0.57521
[458] validation_0-auc:0.57518
[459] validation_0-auc:0.57521
[460] validation_0-auc:0.57520
[461] validation_0-auc:0.57523
[462] validation_0-auc:0.57526
[463] validation_0-auc:0.57527
[464] validation_0-auc:0.57536
[465] validation_0-auc:0.57537
[466] validation_0-auc:0.57542
[467] validation_0-auc:0.57538
[468] validation_0-auc:0.57552
[469] validation_0-auc:0.57555
[470] validation_0-auc:0.57558

[471] validation_0-auc:0.57559
[472] validation_0-auc:0.57563
[473] validation_0-auc:0.57563
[474] validation_0-auc:0.57564
[475] validation_0-auc:0.57570
[476] validation_0-auc:0.57568
[477] validation_0-auc:0.57571
[478] validation_0-auc:0.57575
[479] validation_0-auc:0.57575
[480] validation_0-auc:0.57575
[481] validation_0-auc:0.57575
[482] validation_0-auc:0.57580
[483] validation_0-auc:0.57584
[484] validation_0-auc:0.57598
[485] validation_0-auc:0.57604
[486] validation_0-auc:0.57603
[487] validation_0-auc:0.57604
[488] validation_0-auc:0.57614
[489] validation_0-auc:0.57620
[490] validation_0-auc:0.57618
[491] validation_0-auc:0.57626
[492] validation_0-auc:0.57623
[493] validation_0-auc:0.57619
[494] validation_0-auc:0.57618
[495] validation_0-auc:0.57617
[496] validation_0-auc:0.57616
[497] validation_0-auc:0.57617
[498] validation_0-auc:0.57620
[499] validation_0-auc:0.57621
[500] validation_0-auc:0.57619
[501] validation_0-auc:0.57619
Stopping. Best iteration:
[491] validation_0-auc:0.57626

[0] validation_0-auc:0.52292
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53009
[2] validation_0-auc:0.53185
[3] validation_0-auc:0.53335
[4] validation_0-auc:0.53499
[5] validation_0-auc:0.53686
[6] validation_0-auc:0.53741
[7] validation_0-auc:0.53777
[8] validation_0-auc:0.53803
[9] validation_0-auc:0.53916
[10] validation_0-auc:0.53967
[11] validation_0-auc:0.53966
[12] validation_0-auc:0.53958

[13] validation_0-auc:0.53996
[14] validation_0-auc:0.54074
[15] validation_0-auc:0.54099
[16] validation_0-auc:0.54138
[17] validation_0-auc:0.54169
[18] validation_0-auc:0.54179
[19] validation_0-auc:0.54208
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[563] validation_0-auc:0.57848
[564] validation_0-auc:0.57855
[565] validation_0-auc:0.57859
[566] validation_0-auc:0.57861
[567] validation_0-auc:0.57861
[568] validation_0-auc:0.57871
[569] validation_0-auc:0.57879
[570] validation_0-auc:0.57882
[571] validation_0-auc:0.57879
[572] validation_0-auc:0.57877
[573] validation_0-auc:0.57876
[574] validation_0-auc:0.57871
[575] validation_0-auc:0.57867
[576] validation_0-auc:0.57869
[577] validation_0-auc:0.57870
[578] validation_0-auc:0.57871
[579] validation_0-auc:0.57873
[580] validation_0-auc:0.57872

Stopping. Best iteration:

[570] validation_0-auc:0.57882

[0] validation_0-auc:0.52507

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53770

[2] validation_0-auc:0.54196

[3] validation_0-auc:0.54572

[4] validation_0-auc:0.54814
[5] validation_0-auc:0.55061
[6] validation_0-auc:0.55185
[7] validation_0-auc:0.55327
[8] validation_0-auc:0.55504
[9] validation_0-auc:0.55693
[10] validation_0-auc:0.55779
[11] validation_0-auc:0.55881
[12] validation_0-auc:0.56054
[13] validation_0-auc:0.56166
[14] validation_0-auc:0.56264
[15] validation_0-auc:0.56421
[16] validation_0-auc:0.56470
[17] validation_0-auc:0.56594
[18] validation_0-auc:0.56597
[19] validation_0-auc:0.56646
[20] validation_0-auc:0.56749
[21] validation_0-auc:0.56859
[22] validation_0-auc:0.56948
[23] validation_0-auc:0.57005
[24] validation_0-auc:0.57039
[25] validation_0-auc:0.57145
[26] validation_0-auc:0.57150
[27] validation_0-auc:0.57218
[28] validation_0-auc:0.57181
[29] validation_0-auc:0.57209
[30] validation_0-auc:0.57287
[31] validation_0-auc:0.57273
[32] validation_0-auc:0.57290
[33] validation_0-auc:0.57293
[34] validation_0-auc:0.57312
[35] validation_0-auc:0.57342
[36] validation_0-auc:0.57338
[37] validation_0-auc:0.57352
[38] validation_0-auc:0.57400
[39] validation_0-auc:0.57437
[40] validation_0-auc:0.57452
[41] validation_0-auc:0.57486
[42] validation_0-auc:0.57502
[43] validation_0-auc:0.57526
[44] validation_0-auc:0.57537
[45] validation_0-auc:0.57559
[46] validation_0-auc:0.57619
[47] validation_0-auc:0.57634
[48] validation_0-auc:0.57641
[49] validation_0-auc:0.57645
[50] validation_0-auc:0.57642
[51] validation_0-auc:0.57653

[52] validation_0-auc:0.57703
[53] validation_0-auc:0.57733
[54] validation_0-auc:0.57748
[55] validation_0-auc:0.57798
[56] validation_0-auc:0.57849
[57] validation_0-auc:0.57879
[58] validation_0-auc:0.57902
[59] validation_0-auc:0.57932
[60] validation_0-auc:0.57926
[61] validation_0-auc:0.57947
[62] validation_0-auc:0.57948
[63] validation_0-auc:0.57973
[64] validation_0-auc:0.58001
[65] validation_0-auc:0.58044
[66] validation_0-auc:0.58052
[67] validation_0-auc:0.58095
[68] validation_0-auc:0.58103
[69] validation_0-auc:0.58115
[70] validation_0-auc:0.58130
[71] validation_0-auc:0.58131
[72] validation_0-auc:0.58166
[73] validation_0-auc:0.58199
[74] validation_0-auc:0.58223
[75] validation_0-auc:0.58227
[76] validation_0-auc:0.58230
[77] validation_0-auc:0.58237
[78] validation_0-auc:0.58326
[79] validation_0-auc:0.58321
[80] validation_0-auc:0.58304
[81] validation_0-auc:0.58331
[82] validation_0-auc:0.58398
[83] validation_0-auc:0.58435
[84] validation_0-auc:0.58433
[85] validation_0-auc:0.58517
[86] validation_0-auc:0.58522
[87] validation_0-auc:0.58599
[88] validation_0-auc:0.58633
[89] validation_0-auc:0.58652
[90] validation_0-auc:0.58663
[91] validation_0-auc:0.58678
[92] validation_0-auc:0.58710
[93] validation_0-auc:0.58718
[94] validation_0-auc:0.58736
[95] validation_0-auc:0.58742
[96] validation_0-auc:0.58753
[97] validation_0-auc:0.58764
[98] validation_0-auc:0.58808
[99] validation_0-auc:0.58821

[100] validation_0-auc:0.58845
[101] validation_0-auc:0.58862
[102] validation_0-auc:0.58861
[103] validation_0-auc:0.58857
[104] validation_0-auc:0.58861
[105] validation_0-auc:0.58888
[106] validation_0-auc:0.58881
[107] validation_0-auc:0.58932
[108] validation_0-auc:0.58925
[109] validation_0-auc:0.58970
[110] validation_0-auc:0.58984
[111] validation_0-auc:0.58981
[112] validation_0-auc:0.59001
[113] validation_0-auc:0.59026
[114] validation_0-auc:0.59032
[115] validation_0-auc:0.59036
[116] validation_0-auc:0.59060
[117] validation_0-auc:0.59067
[118] validation_0-auc:0.59062
[119] validation_0-auc:0.59074
[120] validation_0-auc:0.59075
[121] validation_0-auc:0.59077
[122] validation_0-auc:0.59090
[123] validation_0-auc:0.59090
[124] validation_0-auc:0.59138
[125] validation_0-auc:0.59132
[126] validation_0-auc:0.59152
[127] validation_0-auc:0.59213
[128] validation_0-auc:0.59220
[129] validation_0-auc:0.59220
[130] validation_0-auc:0.59231
[131] validation_0-auc:0.59229
[132] validation_0-auc:0.59224
[133] validation_0-auc:0.59235
[134] validation_0-auc:0.59226
[135] validation_0-auc:0.59233
[136] validation_0-auc:0.59239
[137] validation_0-auc:0.59241
[138] validation_0-auc:0.59241
[139] validation_0-auc:0.59269
[140] validation_0-auc:0.59283
[141] validation_0-auc:0.59290
[142] validation_0-auc:0.59290
[143] validation_0-auc:0.59305
[144] validation_0-auc:0.59315
[145] validation_0-auc:0.59318
[146] validation_0-auc:0.59362
[147] validation_0-auc:0.59374

[148] validation_0-auc:0.59381
[149] validation_0-auc:0.59383
[150] validation_0-auc:0.59402
[151] validation_0-auc:0.59400
[152] validation_0-auc:0.59393
[153] validation_0-auc:0.59412
[154] validation_0-auc:0.59410
[155] validation_0-auc:0.59411
[156] validation_0-auc:0.59414
[157] validation_0-auc:0.59420
[158] validation_0-auc:0.59412
[159] validation_0-auc:0.59406
[160] validation_0-auc:0.59420
[161] validation_0-auc:0.59416
[162] validation_0-auc:0.59418
[163] validation_0-auc:0.59435
[164] validation_0-auc:0.59444
[165] validation_0-auc:0.59429
[166] validation_0-auc:0.59419
[167] validation_0-auc:0.59415
[168] validation_0-auc:0.59418
[169] validation_0-auc:0.59410
[170] validation_0-auc:0.59419
[171] validation_0-auc:0.59428
[172] validation_0-auc:0.59437
[173] validation_0-auc:0.59438
[174] validation_0-auc:0.59436

Stopping. Best iteration:

[164] validation_0-auc:0.59444

[0] validation_0-auc:0.52782

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.54150
[2] validation_0-auc:0.54586
[3] validation_0-auc:0.54928
[4] validation_0-auc:0.55210
[5] validation_0-auc:0.55423
[6] validation_0-auc:0.55495
[7] validation_0-auc:0.55544
[8] validation_0-auc:0.55766
[9] validation_0-auc:0.55838
[10] validation_0-auc:0.55931
[11] validation_0-auc:0.56082
[12] validation_0-auc:0.56199
[13] validation_0-auc:0.56236
[14] validation_0-auc:0.56360
[15] validation_0-auc:0.56433
[16] validation_0-auc:0.56530

[17] validation_0-auc:0.56646
[18] validation_0-auc:0.56686
[19] validation_0-auc:0.56729
[20] validation_0-auc:0.57008
[21] validation_0-auc:0.57093
[22] validation_0-auc:0.57133
[23] validation_0-auc:0.57166
[24] validation_0-auc:0.57244
[25] validation_0-auc:0.57307
[26] validation_0-auc:0.57345
[27] validation_0-auc:0.57411
[28] validation_0-auc:0.57386
[29] validation_0-auc:0.57417
[30] validation_0-auc:0.57421
[31] validation_0-auc:0.57432
[32] validation_0-auc:0.57446
[33] validation_0-auc:0.57462
[34] validation_0-auc:0.57465
[35] validation_0-auc:0.57494
[36] validation_0-auc:0.57491
[37] validation_0-auc:0.57469
[38] validation_0-auc:0.57507
[39] validation_0-auc:0.57508
[40] validation_0-auc:0.57535
[41] validation_0-auc:0.57568
[42] validation_0-auc:0.57613
[43] validation_0-auc:0.57737
[44] validation_0-auc:0.57811
[45] validation_0-auc:0.57835
[46] validation_0-auc:0.57842
[47] validation_0-auc:0.57861
[48] validation_0-auc:0.57866
[49] validation_0-auc:0.57983
[50] validation_0-auc:0.57984
[51] validation_0-auc:0.57987
[52] validation_0-auc:0.58033
[53] validation_0-auc:0.58095
[54] validation_0-auc:0.58157
[55] validation_0-auc:0.58152
[56] validation_0-auc:0.58174
[57] validation_0-auc:0.58186
[58] validation_0-auc:0.58215
[59] validation_0-auc:0.58289
[60] validation_0-auc:0.58287
[61] validation_0-auc:0.58299
[62] validation_0-auc:0.58311
[63] validation_0-auc:0.58303
[64] validation_0-auc:0.58312

[65] validation_0-auc:0.58344
[66] validation_0-auc:0.58342
[67] validation_0-auc:0.58343
[68] validation_0-auc:0.58330
[69] validation_0-auc:0.58331
[70] validation_0-auc:0.58368
[71] validation_0-auc:0.58360
[72] validation_0-auc:0.58352
[73] validation_0-auc:0.58361
[74] validation_0-auc:0.58367
[75] validation_0-auc:0.58384
[76] validation_0-auc:0.58381
[77] validation_0-auc:0.58393
[78] validation_0-auc:0.58380
[79] validation_0-auc:0.58377
[80] validation_0-auc:0.58402
[81] validation_0-auc:0.58471
[82] validation_0-auc:0.58484
[83] validation_0-auc:0.58510
[84] validation_0-auc:0.58539
[85] validation_0-auc:0.58627
[86] validation_0-auc:0.58659
[87] validation_0-auc:0.58699
[88] validation_0-auc:0.58725
[89] validation_0-auc:0.58734
[90] validation_0-auc:0.58743
[91] validation_0-auc:0.58722
[92] validation_0-auc:0.58739
[93] validation_0-auc:0.58770
[94] validation_0-auc:0.58780
[95] validation_0-auc:0.58791
[96] validation_0-auc:0.58804
[97] validation_0-auc:0.58830
[98] validation_0-auc:0.58862
[99] validation_0-auc:0.58871
[100] validation_0-auc:0.58876
[101] validation_0-auc:0.58884
[102] validation_0-auc:0.58914
[103] validation_0-auc:0.58926
[104] validation_0-auc:0.58944
[105] validation_0-auc:0.58944
[106] validation_0-auc:0.58973
[107] validation_0-auc:0.59028
[108] validation_0-auc:0.59020
[109] validation_0-auc:0.59038
[110] validation_0-auc:0.59071
[111] validation_0-auc:0.59078
[112] validation_0-auc:0.59073

[113] validation_0-auc:0.59125
[114] validation_0-auc:0.59152
[115] validation_0-auc:0.59174
[116] validation_0-auc:0.59180
[117] validation_0-auc:0.59173
[118] validation_0-auc:0.59174
[119] validation_0-auc:0.59171
[120] validation_0-auc:0.59173
[121] validation_0-auc:0.59171
[122] validation_0-auc:0.59171
[123] validation_0-auc:0.59177
[124] validation_0-auc:0.59205
[125] validation_0-auc:0.59201
[126] validation_0-auc:0.59211
[127] validation_0-auc:0.59227
[128] validation_0-auc:0.59220
[129] validation_0-auc:0.59231
[130] validation_0-auc:0.59254
[131] validation_0-auc:0.59247
[132] validation_0-auc:0.59242
[133] validation_0-auc:0.59248
[134] validation_0-auc:0.59246
[135] validation_0-auc:0.59260
[136] validation_0-auc:0.59267
[137] validation_0-auc:0.59273
[138] validation_0-auc:0.59279
[139] validation_0-auc:0.59338
[140] validation_0-auc:0.59335
[141] validation_0-auc:0.59364
[142] validation_0-auc:0.59384
[143] validation_0-auc:0.59385
[144] validation_0-auc:0.59410
[145] validation_0-auc:0.59430
[146] validation_0-auc:0.59468
[147] validation_0-auc:0.59472
[148] validation_0-auc:0.59475
[149] validation_0-auc:0.59478
[150] validation_0-auc:0.59498
[151] validation_0-auc:0.59505
[152] validation_0-auc:0.59505
[153] validation_0-auc:0.59552
[154] validation_0-auc:0.59565
[155] validation_0-auc:0.59582
[156] validation_0-auc:0.59583
[157] validation_0-auc:0.59603
[158] validation_0-auc:0.59622
[159] validation_0-auc:0.59635
[160] validation_0-auc:0.59642

[161] validation_0-auc:0.59673
[162] validation_0-auc:0.59690
[163] validation_0-auc:0.59688
[164] validation_0-auc:0.59694
[165] validation_0-auc:0.59697
[166] validation_0-auc:0.59696
[167] validation_0-auc:0.59681
[168] validation_0-auc:0.59676
[169] validation_0-auc:0.59667
[170] validation_0-auc:0.59666
[171] validation_0-auc:0.59667
[172] validation_0-auc:0.59677
[173] validation_0-auc:0.59678
[174] validation_0-auc:0.59694
[175] validation_0-auc:0.59698
[176] validation_0-auc:0.59724
[177] validation_0-auc:0.59736
[178] validation_0-auc:0.59742
[179] validation_0-auc:0.59758
[180] validation_0-auc:0.59748
[181] validation_0-auc:0.59747
[182] validation_0-auc:0.59751
[183] validation_0-auc:0.59757
[184] validation_0-auc:0.59762
[185] validation_0-auc:0.59780
[186] validation_0-auc:0.59803
[187] validation_0-auc:0.59813
[188] validation_0-auc:0.59828
[189] validation_0-auc:0.59845
[190] validation_0-auc:0.59864
[191] validation_0-auc:0.59866
[192] validation_0-auc:0.59865
[193] validation_0-auc:0.59874
[194] validation_0-auc:0.59880
[195] validation_0-auc:0.59886
[196] validation_0-auc:0.59890
[197] validation_0-auc:0.59897
[198] validation_0-auc:0.59938
[199] validation_0-auc:0.59941
[200] validation_0-auc:0.59931
[201] validation_0-auc:0.59958
[202] validation_0-auc:0.59958
[203] validation_0-auc:0.59956
[204] validation_0-auc:0.59958
[205] validation_0-auc:0.59974
[206] validation_0-auc:0.59985
[207] validation_0-auc:0.59989
[208] validation_0-auc:0.59979

[209] validation_0-auc:0.59997
[210] validation_0-auc:0.60029
[211] validation_0-auc:0.60032
[212] validation_0-auc:0.60040
[213] validation_0-auc:0.60038
[214] validation_0-auc:0.60050
[215] validation_0-auc:0.60050
[216] validation_0-auc:0.60075
[217] validation_0-auc:0.60065
[218] validation_0-auc:0.60065
[219] validation_0-auc:0.60065
[220] validation_0-auc:0.60069
[221] validation_0-auc:0.60070
[222] validation_0-auc:0.60069
[223] validation_0-auc:0.60106
[224] validation_0-auc:0.60115
[225] validation_0-auc:0.60112
[226] validation_0-auc:0.60113
[227] validation_0-auc:0.60104
[228] validation_0-auc:0.60126
[229] validation_0-auc:0.60151
[230] validation_0-auc:0.60148
[231] validation_0-auc:0.60147
[232] validation_0-auc:0.60157
[233] validation_0-auc:0.60182
[234] validation_0-auc:0.60189
[235] validation_0-auc:0.60201
[236] validation_0-auc:0.60199
[237] validation_0-auc:0.60197
[238] validation_0-auc:0.60183
[239] validation_0-auc:0.60193
[240] validation_0-auc:0.60195
[241] validation_0-auc:0.60195
[242] validation_0-auc:0.60196
[243] validation_0-auc:0.60204
[244] validation_0-auc:0.60215
[245] validation_0-auc:0.60224
[246] validation_0-auc:0.60224
[247] validation_0-auc:0.60220
[248] validation_0-auc:0.60234
[249] validation_0-auc:0.60237
[250] validation_0-auc:0.60251
[251] validation_0-auc:0.60257
[252] validation_0-auc:0.60260
[253] validation_0-auc:0.60273
[254] validation_0-auc:0.60283
[255] validation_0-auc:0.60280
[256] validation_0-auc:0.60299

[257] validation_0-auc:0.60309
[258] validation_0-auc:0.60315
[259] validation_0-auc:0.60315
[260] validation_0-auc:0.60326
[261] validation_0-auc:0.60319
[262] validation_0-auc:0.60324
[263] validation_0-auc:0.60332
[264] validation_0-auc:0.60329
[265] validation_0-auc:0.60336
[266] validation_0-auc:0.60344
[267] validation_0-auc:0.60348
[268] validation_0-auc:0.60360
[269] validation_0-auc:0.60387
[270] validation_0-auc:0.60389
[271] validation_0-auc:0.60390
[272] validation_0-auc:0.60390
[273] validation_0-auc:0.60391
[274] validation_0-auc:0.60397
[275] validation_0-auc:0.60395
[276] validation_0-auc:0.60389
[277] validation_0-auc:0.60391
[278] validation_0-auc:0.60393
[279] validation_0-auc:0.60396
[280] validation_0-auc:0.60390
[281] validation_0-auc:0.60392
[282] validation_0-auc:0.60390
[283] validation_0-auc:0.60391
[284] validation_0-auc:0.60403
[285] validation_0-auc:0.60407
[286] validation_0-auc:0.60410
[287] validation_0-auc:0.60413
[288] validation_0-auc:0.60449
[289] validation_0-auc:0.60451
[290] validation_0-auc:0.60449
[291] validation_0-auc:0.60447
[292] validation_0-auc:0.60455
[293] validation_0-auc:0.60470
[294] validation_0-auc:0.60464
[295] validation_0-auc:0.60486
[296] validation_0-auc:0.60494
[297] validation_0-auc:0.60489
[298] validation_0-auc:0.60489
[299] validation_0-auc:0.60490
[300] validation_0-auc:0.60489
[301] validation_0-auc:0.60496
[302] validation_0-auc:0.60494
[303] validation_0-auc:0.60512
[304] validation_0-auc:0.60510

[305] validation_0-auc:0.60517
[306] validation_0-auc:0.60518
[307] validation_0-auc:0.60525
[308] validation_0-auc:0.60527
[309] validation_0-auc:0.60528
[310] validation_0-auc:0.60542
[311] validation_0-auc:0.60535
[312] validation_0-auc:0.60559
[313] validation_0-auc:0.60570
[314] validation_0-auc:0.60581
[315] validation_0-auc:0.60592
[316] validation_0-auc:0.60616
[317] validation_0-auc:0.60623
[318] validation_0-auc:0.60623
[319] validation_0-auc:0.60620
[320] validation_0-auc:0.60627
[321] validation_0-auc:0.60630
[322] validation_0-auc:0.60626
[323] validation_0-auc:0.60627
[324] validation_0-auc:0.60627
[325] validation_0-auc:0.60624
[326] validation_0-auc:0.60625
[327] validation_0-auc:0.60624
[328] validation_0-auc:0.60616
[329] validation_0-auc:0.60613
[330] validation_0-auc:0.60624
[331] validation_0-auc:0.60626

Stopping. Best iteration:

[321] validation_0-auc:0.60630

[0] validation_0-auc:0.52554

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53812
[2] validation_0-auc:0.54177
[3] validation_0-auc:0.54549
[4] validation_0-auc:0.54863
[5] validation_0-auc:0.55205
[6] validation_0-auc:0.55324
[7] validation_0-auc:0.55429
[8] validation_0-auc:0.55684
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[333] validation_0-auc:0.60491
[334] validation_0-auc:0.60495
Stopping. Best iteration:
[324] validation_0-auc:0.60514

[0] validation_0-auc:0.52768
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53857
[2] validation_0-auc:0.54280
[3] validation_0-auc:0.54723
[4] validation_0-auc:0.54997
[5] validation_0-auc:0.55318
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[7] validation_0-auc:0.55492
[8] validation_0-auc:0.55628
[9] validation_0-auc:0.55721
[10] validation_0-auc:0.55882
[11] validation_0-auc:0.56086
[12] validation_0-auc:0.56156
[13] validation_0-auc:0.56217

[14] validation_0-auc:0.56280
[15] validation_0-auc:0.56394
[16] validation_0-auc:0.56448
[17] validation_0-auc:0.56496
[18] validation_0-auc:0.56515
[19] validation_0-auc:0.56547
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[23] validation_0-auc:0.56998
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[25] validation_0-auc:0.57102
[26] validation_0-auc:0.57115
[27] validation_0-auc:0.57142
[28] validation_0-auc:0.57157
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[47] validation_0-auc:0.57651
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[51] validation_0-auc:0.57757
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[53] validation_0-auc:0.57803
[54] validation_0-auc:0.57802
[55] validation_0-auc:0.57889
[56] validation_0-auc:0.57915
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[58] validation_0-auc:0.57949
[59] validation_0-auc:0.58014
[60] validation_0-auc:0.58007
[61] validation_0-auc:0.58024

[62] validation_0-auc:0.58031
[63] validation_0-auc:0.58007
[64] validation_0-auc:0.58025
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Stopping. Best iteration:
[455] validation_0-auc:0.61130

[0] validation_0-auc:0.52690
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53747
[2] validation_0-auc:0.54197
[3] validation_0-auc:0.54589
[4] validation_0-auc:0.54891
[5] validation_0-auc:0.55115
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[288] validation_0-auc:0.60230
[289] validation_0-auc:0.60229
[290] validation_0-auc:0.60224
[291] validation_0-auc:0.60225
[292] validation_0-auc:0.60227
[293] validation_0-auc:0.60244
[294] validation_0-auc:0.60249
[295] validation_0-auc:0.60272
[296] validation_0-auc:0.60283
[297] validation_0-auc:0.60286
[298] validation_0-auc:0.60284
[299] validation_0-auc:0.60290
[300] validation_0-auc:0.60299
[301] validation_0-auc:0.60315
[302] validation_0-auc:0.60321
[303] validation_0-auc:0.60323
[304] validation_0-auc:0.60317
[305] validation_0-auc:0.60324
[306] validation_0-auc:0.60333
[307] validation_0-auc:0.60336
[308] validation_0-auc:0.60345
[309] validation_0-auc:0.60354
[310] validation_0-auc:0.60353
[311] validation_0-auc:0.60350

[312] validation_0-auc:0.60350
[313] validation_0-auc:0.60357
[314] validation_0-auc:0.60361
[315] validation_0-auc:0.60356
[316] validation_0-auc:0.60358
[317] validation_0-auc:0.60375
[318] validation_0-auc:0.60387
[319] validation_0-auc:0.60402
[320] validation_0-auc:0.60398
[321] validation_0-auc:0.60397
[322] validation_0-auc:0.60395
[323] validation_0-auc:0.60392
[324] validation_0-auc:0.60399
[325] validation_0-auc:0.60409
[326] validation_0-auc:0.60416
[327] validation_0-auc:0.60417
[328] validation_0-auc:0.60422
[329] validation_0-auc:0.60416
[330] validation_0-auc:0.60419
[331] validation_0-auc:0.60416
[332] validation_0-auc:0.60412
[333] validation_0-auc:0.60414
[334] validation_0-auc:0.60419
[335] validation_0-auc:0.60418
[336] validation_0-auc:0.60421
[337] validation_0-auc:0.60431
[338] validation_0-auc:0.60430
[339] validation_0-auc:0.60431
[340] validation_0-auc:0.60428
[341] validation_0-auc:0.60433
[342] validation_0-auc:0.60435
[343] validation_0-auc:0.60442
[344] validation_0-auc:0.60452
[345] validation_0-auc:0.60451
[346] validation_0-auc:0.60458
[347] validation_0-auc:0.60463
[348] validation_0-auc:0.60466
[349] validation_0-auc:0.60472
[350] validation_0-auc:0.60469
[351] validation_0-auc:0.60469
[352] validation_0-auc:0.60475
[353] validation_0-auc:0.60481
[354] validation_0-auc:0.60484
[355] validation_0-auc:0.60485
[356] validation_0-auc:0.60489
[357] validation_0-auc:0.60497
[358] validation_0-auc:0.60502
[359] validation_0-auc:0.60512

[360] validation_0-auc:0.60511
[361] validation_0-auc:0.60506
[362] validation_0-auc:0.60526
[363] validation_0-auc:0.60567
[364] validation_0-auc:0.60565
[365] validation_0-auc:0.60599
[366] validation_0-auc:0.60594
[367] validation_0-auc:0.60607
[368] validation_0-auc:0.60611
[369] validation_0-auc:0.60611
[370] validation_0-auc:0.60617
[371] validation_0-auc:0.60615
[372] validation_0-auc:0.60615
[373] validation_0-auc:0.60630
[374] validation_0-auc:0.60632
[375] validation_0-auc:0.60630
[376] validation_0-auc:0.60639
[377] validation_0-auc:0.60635
[378] validation_0-auc:0.60633
[379] validation_0-auc:0.60629
[380] validation_0-auc:0.60639
[381] validation_0-auc:0.60653
[382] validation_0-auc:0.60680
[383] validation_0-auc:0.60682
[384] validation_0-auc:0.60688
[385] validation_0-auc:0.60681
[386] validation_0-auc:0.60690
[387] validation_0-auc:0.60698
[388] validation_0-auc:0.60708
[389] validation_0-auc:0.60712
[390] validation_0-auc:0.60722
[391] validation_0-auc:0.60728
[392] validation_0-auc:0.60745
[393] validation_0-auc:0.60749
[394] validation_0-auc:0.60745
[395] validation_0-auc:0.60749
[396] validation_0-auc:0.60756
[397] validation_0-auc:0.60762
[398] validation_0-auc:0.60764
[399] validation_0-auc:0.60762
[400] validation_0-auc:0.60766
[401] validation_0-auc:0.60776
[402] validation_0-auc:0.60780
[403] validation_0-auc:0.60794
[404] validation_0-auc:0.60809
[405] validation_0-auc:0.60834
[406] validation_0-auc:0.60835
[407] validation_0-auc:0.60838

[408] validation_0-auc:0.60835
[409] validation_0-auc:0.60836
[410] validation_0-auc:0.60843
[411] validation_0-auc:0.60843
[412] validation_0-auc:0.60844
[413] validation_0-auc:0.60854
[414] validation_0-auc:0.60876
[415] validation_0-auc:0.60873
[416] validation_0-auc:0.60867
[417] validation_0-auc:0.60866
[418] validation_0-auc:0.60879
[419] validation_0-auc:0.60876
[420] validation_0-auc:0.60878
[421] validation_0-auc:0.60874
[422] validation_0-auc:0.60878
[423] validation_0-auc:0.60878
[424] validation_0-auc:0.60873
[425] validation_0-auc:0.60871
[426] validation_0-auc:0.60869
[427] validation_0-auc:0.60855
[428] validation_0-auc:0.60864
Stopping. Best iteration:
[418] validation_0-auc:0.60879

[0] validation_0-auc:0.52507
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53770
[2] validation_0-auc:0.54196
[3] validation_0-auc:0.54572
[4] validation_0-auc:0.54814
[5] validation_0-auc:0.55061
[6] validation_0-auc:0.55185
[7] validation_0-auc:0.55327
[8] validation_0-auc:0.55504
[9] validation_0-auc:0.55693
[10] validation_0-auc:0.55779
[11] validation_0-auc:0.55881
[12] validation_0-auc:0.56054
[13] validation_0-auc:0.56166
[14] validation_0-auc:0.56264
[15] validation_0-auc:0.56421
[16] validation_0-auc:0.56470
[17] validation_0-auc:0.56594
[18] validation_0-auc:0.56597
[19] validation_0-auc:0.56646
[20] validation_0-auc:0.56749
[21] validation_0-auc:0.56859
[22] validation_0-auc:0.56948

[23] validation_0-auc:0.57005
[24] validation_0-auc:0.57039
[25] validation_0-auc:0.57145
[26] validation_0-auc:0.57150
[27] validation_0-auc:0.57218
[28] validation_0-auc:0.57181
[29] validation_0-auc:0.57209
[30] validation_0-auc:0.57287
[31] validation_0-auc:0.57273
[32] validation_0-auc:0.57290
[33] validation_0-auc:0.57293
[34] validation_0-auc:0.57312
[35] validation_0-auc:0.57342
[36] validation_0-auc:0.57338
[37] validation_0-auc:0.57352
[38] validation_0-auc:0.57400
[39] validation_0-auc:0.57437
[40] validation_0-auc:0.57452
[41] validation_0-auc:0.57486
[42] validation_0-auc:0.57502
[43] validation_0-auc:0.57526
[44] validation_0-auc:0.57537
[45] validation_0-auc:0.57559
[46] validation_0-auc:0.57619
[47] validation_0-auc:0.57634
[48] validation_0-auc:0.57641
[49] validation_0-auc:0.57645
[50] validation_0-auc:0.57642
[51] validation_0-auc:0.57653
[52] validation_0-auc:0.57703
[53] validation_0-auc:0.57733
[54] validation_0-auc:0.57748
[55] validation_0-auc:0.57798
[56] validation_0-auc:0.57849
[57] validation_0-auc:0.57879
[58] validation_0-auc:0.57902
[59] validation_0-auc:0.57932
[60] validation_0-auc:0.57926
[61] validation_0-auc:0.57947
[62] validation_0-auc:0.57948
[63] validation_0-auc:0.57973
[64] validation_0-auc:0.58001
[65] validation_0-auc:0.58044
[66] validation_0-auc:0.58052
[67] validation_0-auc:0.58095
[68] validation_0-auc:0.58103
[69] validation_0-auc:0.58115
[70] validation_0-auc:0.58130

[71] validation_0-auc:0.58131
[72] validation_0-auc:0.58166
[73] validation_0-auc:0.58199
[74] validation_0-auc:0.58223
[75] validation_0-auc:0.58227
[76] validation_0-auc:0.58230
[77] validation_0-auc:0.58237
[78] validation_0-auc:0.58326
[79] validation_0-auc:0.58321
[80] validation_0-auc:0.58304
[81] validation_0-auc:0.58331
[82] validation_0-auc:0.58398
[83] validation_0-auc:0.58435
[84] validation_0-auc:0.58433
[85] validation_0-auc:0.58517
[86] validation_0-auc:0.58522
[87] validation_0-auc:0.58599
[88] validation_0-auc:0.58633
[89] validation_0-auc:0.58652
[90] validation_0-auc:0.58663
[91] validation_0-auc:0.58678
[92] validation_0-auc:0.58710
[93] validation_0-auc:0.58718
[94] validation_0-auc:0.58736
[95] validation_0-auc:0.58742
[96] validation_0-auc:0.58753
[97] validation_0-auc:0.58764
[98] validation_0-auc:0.58808
[99] validation_0-auc:0.58821
[100] validation_0-auc:0.58845
[101] validation_0-auc:0.58862
[102] validation_0-auc:0.58861
[103] validation_0-auc:0.58857
[104] validation_0-auc:0.58861
[105] validation_0-auc:0.58888
[106] validation_0-auc:0.58881
[107] validation_0-auc:0.58932
[108] validation_0-auc:0.58925
[109] validation_0-auc:0.58970
[110] validation_0-auc:0.58984
[111] validation_0-auc:0.58981
[112] validation_0-auc:0.59001
[113] validation_0-auc:0.59026
[114] validation_0-auc:0.59032
[115] validation_0-auc:0.59036
[116] validation_0-auc:0.59060
[117] validation_0-auc:0.59067
[118] validation_0-auc:0.59062

[119] validation_0-auc:0.59074
[120] validation_0-auc:0.59075
[121] validation_0-auc:0.59077
[122] validation_0-auc:0.59090
[123] validation_0-auc:0.59090
[124] validation_0-auc:0.59138
[125] validation_0-auc:0.59132
[126] validation_0-auc:0.59152
[127] validation_0-auc:0.59213
[128] validation_0-auc:0.59220
[129] validation_0-auc:0.59220
[130] validation_0-auc:0.59231
[131] validation_0-auc:0.59229
[132] validation_0-auc:0.59224
[133] validation_0-auc:0.59235
[134] validation_0-auc:0.59226
[135] validation_0-auc:0.59233
[136] validation_0-auc:0.59239
[137] validation_0-auc:0.59241
[138] validation_0-auc:0.59241
[139] validation_0-auc:0.59269
[140] validation_0-auc:0.59283
[141] validation_0-auc:0.59290
[142] validation_0-auc:0.59290
[143] validation_0-auc:0.59305
[144] validation_0-auc:0.59315
[145] validation_0-auc:0.59318
[146] validation_0-auc:0.59362
[147] validation_0-auc:0.59374
[148] validation_0-auc:0.59381
[149] validation_0-auc:0.59383
[150] validation_0-auc:0.59402
[151] validation_0-auc:0.59400
[152] validation_0-auc:0.59393
[153] validation_0-auc:0.59412
[154] validation_0-auc:0.59410
[155] validation_0-auc:0.59411
[156] validation_0-auc:0.59414
[157] validation_0-auc:0.59420
[158] validation_0-auc:0.59412
[159] validation_0-auc:0.59406
[160] validation_0-auc:0.59420
[161] validation_0-auc:0.59416
[162] validation_0-auc:0.59418
[163] validation_0-auc:0.59435
[164] validation_0-auc:0.59444
[165] validation_0-auc:0.59429
[166] validation_0-auc:0.59419

[167] validation_0-auc:0.59415
[168] validation_0-auc:0.59418
[169] validation_0-auc:0.59410
[170] validation_0-auc:0.59419
[171] validation_0-auc:0.59428
[172] validation_0-auc:0.59437
[173] validation_0-auc:0.59438
[174] validation_0-auc:0.59436
Stopping. Best iteration:
[164] validation_0-auc:0.59444

[0] validation_0-auc:0.52782
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.54150
[2] validation_0-auc:0.54586
[3] validation_0-auc:0.54928
[4] validation_0-auc:0.55210
[5] validation_0-auc:0.55423
[6] validation_0-auc:0.55495
[7] validation_0-auc:0.55544
[8] validation_0-auc:0.55766
[9] validation_0-auc:0.55838
[10] validation_0-auc:0.55931
[11] validation_0-auc:0.56082
[12] validation_0-auc:0.56199
[13] validation_0-auc:0.56236
[14] validation_0-auc:0.56360
[15] validation_0-auc:0.56433
[16] validation_0-auc:0.56530
[17] validation_0-auc:0.56646
[18] validation_0-auc:0.56686
[19] validation_0-auc:0.56729
[20] validation_0-auc:0.57008
[21] validation_0-auc:0.57093
[22] validation_0-auc:0.57133
[23] validation_0-auc:0.57166
[24] validation_0-auc:0.57244
[25] validation_0-auc:0.57307
[26] validation_0-auc:0.57345
[27] validation_0-auc:0.57411
[28] validation_0-auc:0.57386
[29] validation_0-auc:0.57417
[30] validation_0-auc:0.57421
[31] validation_0-auc:0.57432
[32] validation_0-auc:0.57446
[33] validation_0-auc:0.57462
[34] validation_0-auc:0.57465
[35] validation_0-auc:0.57494

[36] validation_0-auc:0.57491
[37] validation_0-auc:0.57469
[38] validation_0-auc:0.57507
[39] validation_0-auc:0.57508
[40] validation_0-auc:0.57535
[41] validation_0-auc:0.57568
[42] validation_0-auc:0.57613
[43] validation_0-auc:0.57737
[44] validation_0-auc:0.57811
[45] validation_0-auc:0.57835
[46] validation_0-auc:0.57842
[47] validation_0-auc:0.57861
[48] validation_0-auc:0.57866
[49] validation_0-auc:0.57983
[50] validation_0-auc:0.57984
[51] validation_0-auc:0.57987
[52] validation_0-auc:0.58033
[53] validation_0-auc:0.58095
[54] validation_0-auc:0.58157
[55] validation_0-auc:0.58152
[56] validation_0-auc:0.58174
[57] validation_0-auc:0.58186
[58] validation_0-auc:0.58215
[59] validation_0-auc:0.58289
[60] validation_0-auc:0.58287
[61] validation_0-auc:0.58299
[62] validation_0-auc:0.58311
[63] validation_0-auc:0.58303
[64] validation_0-auc:0.58312
[65] validation_0-auc:0.58344
[66] validation_0-auc:0.58342
[67] validation_0-auc:0.58343
[68] validation_0-auc:0.58330
[69] validation_0-auc:0.58331
[70] validation_0-auc:0.58368
[71] validation_0-auc:0.58360
[72] validation_0-auc:0.58352
[73] validation_0-auc:0.58361
[74] validation_0-auc:0.58367
[75] validation_0-auc:0.58384
[76] validation_0-auc:0.58381
[77] validation_0-auc:0.58393
[78] validation_0-auc:0.58380
[79] validation_0-auc:0.58377
[80] validation_0-auc:0.58402
[81] validation_0-auc:0.58471
[82] validation_0-auc:0.58484
[83] validation_0-auc:0.58510

[84] validation_0-auc:0.58539
[85] validation_0-auc:0.58627
[86] validation_0-auc:0.58659
[87] validation_0-auc:0.58699
[88] validation_0-auc:0.58725
[89] validation_0-auc:0.58734
[90] validation_0-auc:0.58743
[91] validation_0-auc:0.58722
[92] validation_0-auc:0.58739
[93] validation_0-auc:0.58770
[94] validation_0-auc:0.58780
[95] validation_0-auc:0.58791
[96] validation_0-auc:0.58804
[97] validation_0-auc:0.58830
[98] validation_0-auc:0.58862
[99] validation_0-auc:0.58871
[100] validation_0-auc:0.58876
[101] validation_0-auc:0.58884
[102] validation_0-auc:0.58914
[103] validation_0-auc:0.58926
[104] validation_0-auc:0.58944
[105] validation_0-auc:0.58944
[106] validation_0-auc:0.58973
[107] validation_0-auc:0.59028
[108] validation_0-auc:0.59020
[109] validation_0-auc:0.59038
[110] validation_0-auc:0.59071
[111] validation_0-auc:0.59078
[112] validation_0-auc:0.59073
[113] validation_0-auc:0.59125
[114] validation_0-auc:0.59152
[115] validation_0-auc:0.59174
[116] validation_0-auc:0.59180
[117] validation_0-auc:0.59173
[118] validation_0-auc:0.59174
[119] validation_0-auc:0.59171
[120] validation_0-auc:0.59173
[121] validation_0-auc:0.59171
[122] validation_0-auc:0.59171
[123] validation_0-auc:0.59177
[124] validation_0-auc:0.59205
[125] validation_0-auc:0.59201
[126] validation_0-auc:0.59211
[127] validation_0-auc:0.59227
[128] validation_0-auc:0.59220
[129] validation_0-auc:0.59231
[130] validation_0-auc:0.59254
[131] validation_0-auc:0.59247

[132] validation_0-auc:0.59242
[133] validation_0-auc:0.59248
[134] validation_0-auc:0.59246
[135] validation_0-auc:0.59260
[136] validation_0-auc:0.59267
[137] validation_0-auc:0.59273
[138] validation_0-auc:0.59279
[139] validation_0-auc:0.59338
[140] validation_0-auc:0.59335
[141] validation_0-auc:0.59364
[142] validation_0-auc:0.59384
[143] validation_0-auc:0.59385
[144] validation_0-auc:0.59410
[145] validation_0-auc:0.59430
[146] validation_0-auc:0.59468
[147] validation_0-auc:0.59472
[148] validation_0-auc:0.59475
[149] validation_0-auc:0.59478
[150] validation_0-auc:0.59498
[151] validation_0-auc:0.59505
[152] validation_0-auc:0.59505
[153] validation_0-auc:0.59552
[154] validation_0-auc:0.59565
[155] validation_0-auc:0.59582
[156] validation_0-auc:0.59583
[157] validation_0-auc:0.59603
[158] validation_0-auc:0.59622
[159] validation_0-auc:0.59635
[160] validation_0-auc:0.59642
[161] validation_0-auc:0.59673
[162] validation_0-auc:0.59690
[163] validation_0-auc:0.59688
[164] validation_0-auc:0.59694
[165] validation_0-auc:0.59697
[166] validation_0-auc:0.59696
[167] validation_0-auc:0.59681
[168] validation_0-auc:0.59676
[169] validation_0-auc:0.59667
[170] validation_0-auc:0.59666
[171] validation_0-auc:0.59667
[172] validation_0-auc:0.59677
[173] validation_0-auc:0.59678
[174] validation_0-auc:0.59694
[175] validation_0-auc:0.59698
[176] validation_0-auc:0.59724
[177] validation_0-auc:0.59736
[178] validation_0-auc:0.59742
[179] validation_0-auc:0.59758

[180] validation_0-auc:0.59748
[181] validation_0-auc:0.59747
[182] validation_0-auc:0.59751
[183] validation_0-auc:0.59757
[184] validation_0-auc:0.59762
[185] validation_0-auc:0.59780
[186] validation_0-auc:0.59803
[187] validation_0-auc:0.59813
[188] validation_0-auc:0.59828
[189] validation_0-auc:0.59845
[190] validation_0-auc:0.59864
[191] validation_0-auc:0.59866
[192] validation_0-auc:0.59865
[193] validation_0-auc:0.59874
[194] validation_0-auc:0.59880
[195] validation_0-auc:0.59886
[196] validation_0-auc:0.59890
[197] validation_0-auc:0.59897
[198] validation_0-auc:0.59938
[199] validation_0-auc:0.59941
[200] validation_0-auc:0.59931
[201] validation_0-auc:0.59958
[202] validation_0-auc:0.59958
[203] validation_0-auc:0.59956
[204] validation_0-auc:0.59958
[205] validation_0-auc:0.59974
[206] validation_0-auc:0.59985
[207] validation_0-auc:0.59989
[208] validation_0-auc:0.59979
[209] validation_0-auc:0.59997
[210] validation_0-auc:0.60029
[211] validation_0-auc:0.60032
[212] validation_0-auc:0.60040
[213] validation_0-auc:0.60038
[214] validation_0-auc:0.60050
[215] validation_0-auc:0.60050
[216] validation_0-auc:0.60075
[217] validation_0-auc:0.60065
[218] validation_0-auc:0.60065
[219] validation_0-auc:0.60065
[220] validation_0-auc:0.60069
[221] validation_0-auc:0.60070
[222] validation_0-auc:0.60069
[223] validation_0-auc:0.60106
[224] validation_0-auc:0.60115
[225] validation_0-auc:0.60112
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[228] validation_0-auc:0.60126
[229] validation_0-auc:0.60151
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[235] validation_0-auc:0.60201
[236] validation_0-auc:0.60199
[237] validation_0-auc:0.60197
[238] validation_0-auc:0.60183
[239] validation_0-auc:0.60193
[240] validation_0-auc:0.60195
[241] validation_0-auc:0.60195
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[243] validation_0-auc:0.60204
[244] validation_0-auc:0.60215
[245] validation_0-auc:0.60224
[246] validation_0-auc:0.60224
[247] validation_0-auc:0.60220
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[255] validation_0-auc:0.60280
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[259] validation_0-auc:0.60315
[260] validation_0-auc:0.60326
[261] validation_0-auc:0.60319
[262] validation_0-auc:0.60324
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[267] validation_0-auc:0.60348
[268] validation_0-auc:0.60360
[269] validation_0-auc:0.60387
[270] validation_0-auc:0.60389
[271] validation_0-auc:0.60390
[272] validation_0-auc:0.60390
[273] validation_0-auc:0.60391
[274] validation_0-auc:0.60397
[275] validation_0-auc:0.60395

[276] validation_0-auc:0.60389
[277] validation_0-auc:0.60391
[278] validation_0-auc:0.60393
[279] validation_0-auc:0.60396
[280] validation_0-auc:0.60390
[281] validation_0-auc:0.60392
[282] validation_0-auc:0.60390
[283] validation_0-auc:0.60391
[284] validation_0-auc:0.60403
[285] validation_0-auc:0.60407
[286] validation_0-auc:0.60410
[287] validation_0-auc:0.60413
[288] validation_0-auc:0.60449
[289] validation_0-auc:0.60451
[290] validation_0-auc:0.60449
[291] validation_0-auc:0.60447
[292] validation_0-auc:0.60455
[293] validation_0-auc:0.60470
[294] validation_0-auc:0.60464
[295] validation_0-auc:0.60486
[296] validation_0-auc:0.60494
[297] validation_0-auc:0.60489
[298] validation_0-auc:0.60489
[299] validation_0-auc:0.60490
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[301] validation_0-auc:0.60496
[302] validation_0-auc:0.60494
[303] validation_0-auc:0.60512
[304] validation_0-auc:0.60510
[305] validation_0-auc:0.60517
[306] validation_0-auc:0.60518
[307] validation_0-auc:0.60525
[308] validation_0-auc:0.60527
[309] validation_0-auc:0.60528
[310] validation_0-auc:0.60542
[311] validation_0-auc:0.60535
[312] validation_0-auc:0.60559
[313] validation_0-auc:0.60570
[314] validation_0-auc:0.60581
[315] validation_0-auc:0.60592
[316] validation_0-auc:0.60616
[317] validation_0-auc:0.60623
[318] validation_0-auc:0.60623
[319] validation_0-auc:0.60620
[320] validation_0-auc:0.60627
[321] validation_0-auc:0.60630
[322] validation_0-auc:0.60626
[323] validation_0-auc:0.60627

[324] validation_0-auc:0.60627
[325] validation_0-auc:0.60624
[326] validation_0-auc:0.60625
[327] validation_0-auc:0.60624
[328] validation_0-auc:0.60616
[329] validation_0-auc:0.60613
[330] validation_0-auc:0.60624
[331] validation_0-auc:0.60626
Stopping. Best iteration:
[321] validation_0-auc:0.60630

[0] validation_0-auc:0.52554
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53812
[2] validation_0-auc:0.54177
[3] validation_0-auc:0.54549
[4] validation_0-auc:0.54863
[5] validation_0-auc:0.55205
[6] validation_0-auc:0.55324
[7] validation_0-auc:0.55429
[8] validation_0-auc:0.55684
[9] validation_0-auc:0.55713
[10] validation_0-auc:0.55757
[11] validation_0-auc:0.55847
[12] validation_0-auc:0.55918
[13] validation_0-auc:0.55947
[14] validation_0-auc:0.56020
[15] validation_0-auc:0.56079
[16] validation_0-auc:0.56146
[17] validation_0-auc:0.56314
[18] validation_0-auc:0.56337
[19] validation_0-auc:0.56379
[20] validation_0-auc:0.56675
[21] validation_0-auc:0.56764
[22] validation_0-auc:0.56864
[23] validation_0-auc:0.56913
[24] validation_0-auc:0.56943
[25] validation_0-auc:0.56979
[26] validation_0-auc:0.56998
[27] validation_0-auc:0.57018
[28] validation_0-auc:0.57027
[29] validation_0-auc:0.57082
[30] validation_0-auc:0.57112
[31] validation_0-auc:0.57157
[32] validation_0-auc:0.57170
[33] validation_0-auc:0.57247
[34] validation_0-auc:0.57256
[35] validation_0-auc:0.57295

[36] validation_0-auc:0.57326
[37] validation_0-auc:0.57316
[38] validation_0-auc:0.57368
[39] validation_0-auc:0.57431
[40] validation_0-auc:0.57449
[41] validation_0-auc:0.57490
[42] validation_0-auc:0.57524
[43] validation_0-auc:0.57552
[44] validation_0-auc:0.57583
[45] validation_0-auc:0.57600
[46] validation_0-auc:0.57608
[47] validation_0-auc:0.57612
[48] validation_0-auc:0.57600
[49] validation_0-auc:0.57618
[50] validation_0-auc:0.57627
[51] validation_0-auc:0.57628
[52] validation_0-auc:0.57642
[53] validation_0-auc:0.57645
[54] validation_0-auc:0.57681
[55] validation_0-auc:0.57728
[56] validation_0-auc:0.57744
[57] validation_0-auc:0.57747
[58] validation_0-auc:0.57738
[59] validation_0-auc:0.57847
[60] validation_0-auc:0.57871
[61] validation_0-auc:0.57891
[62] validation_0-auc:0.57898
[63] validation_0-auc:0.57911
[64] validation_0-auc:0.57954
[65] validation_0-auc:0.58027
[66] validation_0-auc:0.58130
[67] validation_0-auc:0.58147
[68] validation_0-auc:0.58146
[69] validation_0-auc:0.58164
[70] validation_0-auc:0.58223
[71] validation_0-auc:0.58219
[72] validation_0-auc:0.58232
[73] validation_0-auc:0.58234
[74] validation_0-auc:0.58259
[75] validation_0-auc:0.58261
[76] validation_0-auc:0.58258
[77] validation_0-auc:0.58269
[78] validation_0-auc:0.58321
[79] validation_0-auc:0.58333
[80] validation_0-auc:0.58358
[81] validation_0-auc:0.58410
[82] validation_0-auc:0.58421
[83] validation_0-auc:0.58469

[84] validation_0-auc:0.58514
[85] validation_0-auc:0.58604
[86] validation_0-auc:0.58630
[87] validation_0-auc:0.58626
[88] validation_0-auc:0.58625
[89] validation_0-auc:0.58627
[90] validation_0-auc:0.58661
[91] validation_0-auc:0.58674
[92] validation_0-auc:0.58684
[93] validation_0-auc:0.58698
[94] validation_0-auc:0.58712
[95] validation_0-auc:0.58717
[96] validation_0-auc:0.58713
[97] validation_0-auc:0.58751
[98] validation_0-auc:0.58808
[99] validation_0-auc:0.58816
[100] validation_0-auc:0.58830
[101] validation_0-auc:0.58855
[102] validation_0-auc:0.58865
[103] validation_0-auc:0.58862
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[114] validation_0-auc:0.58959
[115] validation_0-auc:0.58967
[116] validation_0-auc:0.58968
[117] validation_0-auc:0.58974
[118] validation_0-auc:0.58986
[119] validation_0-auc:0.58993
[120] validation_0-auc:0.58996
[121] validation_0-auc:0.58985
[122] validation_0-auc:0.58989
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[125] validation_0-auc:0.59015
[126] validation_0-auc:0.59024
[127] validation_0-auc:0.59026
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[129] validation_0-auc:0.59086
[130] validation_0-auc:0.59123
[131] validation_0-auc:0.59120

[132] validation_0-auc:0.59123
[133] validation_0-auc:0.59140
[134] validation_0-auc:0.59138
[135] validation_0-auc:0.59130
[136] validation_0-auc:0.59128
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[138] validation_0-auc:0.59139
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[146] validation_0-auc:0.59235
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[163] validation_0-auc:0.59347
[164] validation_0-auc:0.59368
[165] validation_0-auc:0.59379
[166] validation_0-auc:0.59396
[167] validation_0-auc:0.59407
[168] validation_0-auc:0.59413
[169] validation_0-auc:0.59423
[170] validation_0-auc:0.59413
[171] validation_0-auc:0.59454
[172] validation_0-auc:0.59465
[173] validation_0-auc:0.59484
[174] validation_0-auc:0.59540
[175] validation_0-auc:0.59541
[176] validation_0-auc:0.59556
[177] validation_0-auc:0.59553
[178] validation_0-auc:0.59570
[179] validation_0-auc:0.59583

[180] validation_0-auc:0.59579
[181] validation_0-auc:0.59575
[182] validation_0-auc:0.59573
[183] validation_0-auc:0.59583
[184] validation_0-auc:0.59603
[185] validation_0-auc:0.59603
[186] validation_0-auc:0.59614
[187] validation_0-auc:0.59623
[188] validation_0-auc:0.59641
[189] validation_0-auc:0.59639
[190] validation_0-auc:0.59646
[191] validation_0-auc:0.59652
[192] validation_0-auc:0.59656
[193] validation_0-auc:0.59659
[194] validation_0-auc:0.59681
[195] validation_0-auc:0.59700
[196] validation_0-auc:0.59713
[197] validation_0-auc:0.59725
[198] validation_0-auc:0.59767
[199] validation_0-auc:0.59775
[200] validation_0-auc:0.59782
[201] validation_0-auc:0.59782
[202] validation_0-auc:0.59781
[203] validation_0-auc:0.59778
[204] validation_0-auc:0.59786
[205] validation_0-auc:0.59793
[206] validation_0-auc:0.59815
[207] validation_0-auc:0.59843
[208] validation_0-auc:0.59840
[209] validation_0-auc:0.59858
[210] validation_0-auc:0.59862
[211] validation_0-auc:0.59864
[212] validation_0-auc:0.59869
[213] validation_0-auc:0.59894
[214] validation_0-auc:0.59901
[215] validation_0-auc:0.59894
[216] validation_0-auc:0.59899
[217] validation_0-auc:0.59906
[218] validation_0-auc:0.59924
[219] validation_0-auc:0.59920
[220] validation_0-auc:0.59921
[221] validation_0-auc:0.59923
[222] validation_0-auc:0.59918
[223] validation_0-auc:0.59923
[224] validation_0-auc:0.59944
[225] validation_0-auc:0.59945
[226] validation_0-auc:0.59959
[227] validation_0-auc:0.59958

[228] validation_0-auc:0.59961
[229] validation_0-auc:0.59965
[230] validation_0-auc:0.59977
[231] validation_0-auc:0.60001
[232] validation_0-auc:0.59999
[233] validation_0-auc:0.60008
[234] validation_0-auc:0.60023
[235] validation_0-auc:0.60026
[236] validation_0-auc:0.60032
[237] validation_0-auc:0.60038
[238] validation_0-auc:0.60050
[239] validation_0-auc:0.60066
[240] validation_0-auc:0.60066
[241] validation_0-auc:0.60069
[242] validation_0-auc:0.60086
[243] validation_0-auc:0.60087
[244] validation_0-auc:0.60099
[245] validation_0-auc:0.60094
[246] validation_0-auc:0.60091
[247] validation_0-auc:0.60087
[248] validation_0-auc:0.60093
[249] validation_0-auc:0.60102
[250] validation_0-auc:0.60094
[251] validation_0-auc:0.60115
[252] validation_0-auc:0.60122
[253] validation_0-auc:0.60132
[254] validation_0-auc:0.60147
[255] validation_0-auc:0.60153
[256] validation_0-auc:0.60151
[257] validation_0-auc:0.60148
[258] validation_0-auc:0.60166
[259] validation_0-auc:0.60171
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[261] validation_0-auc:0.60170
[262] validation_0-auc:0.60176
[263] validation_0-auc:0.60193
[264] validation_0-auc:0.60195
[265] validation_0-auc:0.60204
[266] validation_0-auc:0.60216
[267] validation_0-auc:0.60213
[268] validation_0-auc:0.60237
[269] validation_0-auc:0.60244
[270] validation_0-auc:0.60241
[271] validation_0-auc:0.60240
[272] validation_0-auc:0.60242
[273] validation_0-auc:0.60244
[274] validation_0-auc:0.60279
[275] validation_0-auc:0.60281

[276] validation_0-auc:0.60279
[277] validation_0-auc:0.60284
[278] validation_0-auc:0.60315
[279] validation_0-auc:0.60325
[280] validation_0-auc:0.60324
[281] validation_0-auc:0.60324
[282] validation_0-auc:0.60319
[283] validation_0-auc:0.60319
[284] validation_0-auc:0.60346
[285] validation_0-auc:0.60349
[286] validation_0-auc:0.60355
[287] validation_0-auc:0.60367
[288] validation_0-auc:0.60366
[289] validation_0-auc:0.60371
[290] validation_0-auc:0.60377
[291] validation_0-auc:0.60376
[292] validation_0-auc:0.60370
[293] validation_0-auc:0.60372
[294] validation_0-auc:0.60373
[295] validation_0-auc:0.60372
[296] validation_0-auc:0.60379
[297] validation_0-auc:0.60373
[298] validation_0-auc:0.60370
[299] validation_0-auc:0.60354
[300] validation_0-auc:0.60368
[301] validation_0-auc:0.60367
[302] validation_0-auc:0.60363
[303] validation_0-auc:0.60372
[304] validation_0-auc:0.60368
[305] validation_0-auc:0.60376
[306] validation_0-auc:0.60399
[307] validation_0-auc:0.60398
[308] validation_0-auc:0.60399
[309] validation_0-auc:0.60388
[310] validation_0-auc:0.60399
[311] validation_0-auc:0.60399
[312] validation_0-auc:0.60421
[313] validation_0-auc:0.60425
[314] validation_0-auc:0.60449
[315] validation_0-auc:0.60453
[316] validation_0-auc:0.60450
[317] validation_0-auc:0.60475
[318] validation_0-auc:0.60480
[319] validation_0-auc:0.60481
[320] validation_0-auc:0.60503
[321] validation_0-auc:0.60505
[322] validation_0-auc:0.60499
[323] validation_0-auc:0.60510

[324] validation_0-auc:0.60514
[325] validation_0-auc:0.60511
[326] validation_0-auc:0.60508
[327] validation_0-auc:0.60500
[328] validation_0-auc:0.60493
[329] validation_0-auc:0.60489
[330] validation_0-auc:0.60489
[331] validation_0-auc:0.60489
[332] validation_0-auc:0.60493
[333] validation_0-auc:0.60491
[334] validation_0-auc:0.60495

Stopping. Best iteration:

[324] validation_0-auc:0.60514

[0] validation_0-auc:0.52768

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53857
[2] validation_0-auc:0.54280
[3] validation_0-auc:0.54723
[4] validation_0-auc:0.54997
[5] validation_0-auc:0.55318
[6] validation_0-auc:0.55388
[7] validation_0-auc:0.55492
[8] validation_0-auc:0.55628
[9] validation_0-auc:0.55721
[10] validation_0-auc:0.55882
[11] validation_0-auc:0.56086
[12] validation_0-auc:0.56156
[13] validation_0-auc:0.56217
[14] validation_0-auc:0.56280
[15] validation_0-auc:0.56394
[16] validation_0-auc:0.56448
[17] validation_0-auc:0.56496
[18] validation_0-auc:0.56515
[19] validation_0-auc:0.56547
[20] validation_0-auc:0.56734
[21] validation_0-auc:0.56826
[22] validation_0-auc:0.56985
[23] validation_0-auc:0.56998
[24] validation_0-auc:0.57045
[25] validation_0-auc:0.57102
[26] validation_0-auc:0.57115
[27] validation_0-auc:0.57142
[28] validation_0-auc:0.57157
[29] validation_0-auc:0.57194
[30] validation_0-auc:0.57204
[31] validation_0-auc:0.57210
[32] validation_0-auc:0.57252

[33] validation_0-auc:0.57299
[34] validation_0-auc:0.57297
[35] validation_0-auc:0.57370
[36] validation_0-auc:0.57387
[37] validation_0-auc:0.57372
[38] validation_0-auc:0.57410
[39] validation_0-auc:0.57444
[40] validation_0-auc:0.57457
[41] validation_0-auc:0.57499
[42] validation_0-auc:0.57528
[43] validation_0-auc:0.57575
[44] validation_0-auc:0.57562
[45] validation_0-auc:0.57627
[46] validation_0-auc:0.57638
[47] validation_0-auc:0.57651
[48] validation_0-auc:0.57708
[49] validation_0-auc:0.57716
[50] validation_0-auc:0.57701
[51] validation_0-auc:0.57757
[52] validation_0-auc:0.57783
[53] validation_0-auc:0.57803
[54] validation_0-auc:0.57802
[55] validation_0-auc:0.57889
[56] validation_0-auc:0.57915
[57] validation_0-auc:0.57915
[58] validation_0-auc:0.57949
[59] validation_0-auc:0.58014
[60] validation_0-auc:0.58007
[61] validation_0-auc:0.58024
[62] validation_0-auc:0.58031
[63] validation_0-auc:0.58007
[64] validation_0-auc:0.58025
[65] validation_0-auc:0.58042
[66] validation_0-auc:0.58102
[67] validation_0-auc:0.58140
[68] validation_0-auc:0.58138
[69] validation_0-auc:0.58200
[70] validation_0-auc:0.58270
[71] validation_0-auc:0.58291
[72] validation_0-auc:0.58291
[73] validation_0-auc:0.58298
[74] validation_0-auc:0.58324
[75] validation_0-auc:0.58312
[76] validation_0-auc:0.58323
[77] validation_0-auc:0.58319
[78] validation_0-auc:0.58392
[79] validation_0-auc:0.58402
[80] validation_0-auc:0.58456

[81] validation_0-auc:0.58456
[82] validation_0-auc:0.58509
[83] validation_0-auc:0.58511
[84] validation_0-auc:0.58567
[85] validation_0-auc:0.58589
[86] validation_0-auc:0.58604
[87] validation_0-auc:0.58622
[88] validation_0-auc:0.58690
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[465] validation_0-auc:0.61128
Stopping. Best iteration:
[455] validation_0-auc:0.61130

[0] validation_0-auc:0.52690
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53747
[2] validation_0-auc:0.54197
[3] validation_0-auc:0.54589
[4] validation_0-auc:0.54891
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[8] validation_0-auc:0.55567
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[330] validation_0-auc:0.60419

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[334] validation_0-auc:0.60419
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[337] validation_0-auc:0.60431
[338] validation_0-auc:0.60430
[339] validation_0-auc:0.60431
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[370] validation_0-auc:0.60617
[371] validation_0-auc:0.60615
[372] validation_0-auc:0.60615
[373] validation_0-auc:0.60630
[374] validation_0-auc:0.60632
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[377] validation_0-auc:0.60635
[378] validation_0-auc:0.60633

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[384] validation_0-auc:0.60688
[385] validation_0-auc:0.60681
[386] validation_0-auc:0.60690
[387] validation_0-auc:0.60698
[388] validation_0-auc:0.60708
[389] validation_0-auc:0.60712
[390] validation_0-auc:0.60722
[391] validation_0-auc:0.60728
[392] validation_0-auc:0.60745
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[396] validation_0-auc:0.60756
[397] validation_0-auc:0.60762
[398] validation_0-auc:0.60764
[399] validation_0-auc:0.60762
[400] validation_0-auc:0.60766
[401] validation_0-auc:0.60776
[402] validation_0-auc:0.60780
[403] validation_0-auc:0.60794
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[405] validation_0-auc:0.60834
[406] validation_0-auc:0.60835
[407] validation_0-auc:0.60838
[408] validation_0-auc:0.60835
[409] validation_0-auc:0.60836
[410] validation_0-auc:0.60843
[411] validation_0-auc:0.60843
[412] validation_0-auc:0.60844
[413] validation_0-auc:0.60854
[414] validation_0-auc:0.60876
[415] validation_0-auc:0.60873
[416] validation_0-auc:0.60867
[417] validation_0-auc:0.60866
[418] validation_0-auc:0.60879
[419] validation_0-auc:0.60876
[420] validation_0-auc:0.60878
[421] validation_0-auc:0.60874
[422] validation_0-auc:0.60878
[423] validation_0-auc:0.60878
[424] validation_0-auc:0.60873
[425] validation_0-auc:0.60871
[426] validation_0-auc:0.60869

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[427] validation_0-auc:0.60855
[428] validation_0-auc:0.60864
Stopping. Best iteration:
[418] validation_0-auc:0.60879

[0] validation_0-auc:0.52507
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53770
[2] validation_0-auc:0.54196
[3] validation_0-auc:0.54572
[4] validation_0-auc:0.54814
[5] validation_0-auc:0.55061
[6] validation_0-auc:0.55185
[7] validation_0-auc:0.55327
[8] validation_0-auc:0.55504
[9] validation_0-auc:0.55693
[10] validation_0-auc:0.55779
[11] validation_0-auc:0.55881
[12] validation_0-auc:0.56054
[13] validation_0-auc:0.56166
[14] validation_0-auc:0.56264
[15] validation_0-auc:0.56421
[16] validation_0-auc:0.56470
[17] validation_0-auc:0.56594
[18] validation_0-auc:0.56597
[19] validation_0-auc:0.56646
[20] validation_0-auc:0.56749
[21] validation_0-auc:0.56859
[22] validation_0-auc:0.56948
[23] validation_0-auc:0.57005
[24] validation_0-auc:0.57039
[25] validation_0-auc:0.57145
[26] validation_0-auc:0.57150
[27] validation_0-auc:0.57218
[28] validation_0-auc:0.57181
[29] validation_0-auc:0.57209
[30] validation_0-auc:0.57287
[31] validation_0-auc:0.57273
[32] validation_0-auc:0.57290
[33] validation_0-auc:0.57293
[34] validation_0-auc:0.57312
[35] validation_0-auc:0.57342
[36] validation_0-auc:0.57338
[37] validation_0-auc:0.57352
[38] validation_0-auc:0.57400
[39] validation_0-auc:0.57437
[40] validation_0-auc:0.57452
[41] validation_0-auc:0.57486
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[42] validation_0-auc:0.57502
[43] validation_0-auc:0.57526
[44] validation_0-auc:0.57537
[45] validation_0-auc:0.57559
[46] validation_0-auc:0.57619
[47] validation_0-auc:0.57634
[48] validation_0-auc:0.57641
[49] validation_0-auc:0.57645
[50] validation_0-auc:0.57642
[51] validation_0-auc:0.57653
[52] validation_0-auc:0.57703
[53] validation_0-auc:0.57733
[54] validation_0-auc:0.57748
[55] validation_0-auc:0.57798
[56] validation_0-auc:0.57849
[57] validation_0-auc:0.57879
[58] validation_0-auc:0.57902
[59] validation_0-auc:0.57932
[60] validation_0-auc:0.57926
[61] validation_0-auc:0.57947
[62] validation_0-auc:0.57948
[63] validation_0-auc:0.57973
[64] validation_0-auc:0.58001
[65] validation_0-auc:0.58044
[66] validation_0-auc:0.58052
[67] validation_0-auc:0.58095
[68] validation_0-auc:0.58103
[69] validation_0-auc:0.58115
[70] validation_0-auc:0.58130
[71] validation_0-auc:0.58131
[72] validation_0-auc:0.58166
[73] validation_0-auc:0.58199
[74] validation_0-auc:0.58223
[75] validation_0-auc:0.58227
[76] validation_0-auc:0.58230
[77] validation_0-auc:0.58237
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[79] validation_0-auc:0.58321
[80] validation_0-auc:0.58304
[81] validation_0-auc:0.58331
[82] validation_0-auc:0.58398
[83] validation_0-auc:0.58435
[84] validation_0-auc:0.58433
[85] validation_0-auc:0.58517
[86] validation_0-auc:0.58522
[87] validation_0-auc:0.58599
[88] validation_0-auc:0.58633
[89] validation_0-auc:0.58652

[90] validation_0-auc:0.58663
[91] validation_0-auc:0.58678
[92] validation_0-auc:0.58710
[93] validation_0-auc:0.58718
[94] validation_0-auc:0.58736
[95] validation_0-auc:0.58742
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[97] validation_0-auc:0.58764
[98] validation_0-auc:0.58808
[99] validation_0-auc:0.58821
[100] validation_0-auc:0.58845
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[103] validation_0-auc:0.58857
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[105] validation_0-auc:0.58888
[106] validation_0-auc:0.58881
[107] validation_0-auc:0.58932
[108] validation_0-auc:0.58925
[109] validation_0-auc:0.58970
[110] validation_0-auc:0.58984
[111] validation_0-auc:0.58981
[112] validation_0-auc:0.59001
[113] validation_0-auc:0.59026
[114] validation_0-auc:0.59032
[115] validation_0-auc:0.59036
[116] validation_0-auc:0.59060
[117] validation_0-auc:0.59067
[118] validation_0-auc:0.59062
[119] validation_0-auc:0.59074
[120] validation_0-auc:0.59075
[121] validation_0-auc:0.59077
[122] validation_0-auc:0.59090
[123] validation_0-auc:0.59090
[124] validation_0-auc:0.59138
[125] validation_0-auc:0.59132
[126] validation_0-auc:0.59152
[127] validation_0-auc:0.59213
[128] validation_0-auc:0.59220
[129] validation_0-auc:0.59220
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[131] validation_0-auc:0.59229
[132] validation_0-auc:0.59224
[133] validation_0-auc:0.59235
[134] validation_0-auc:0.59226
[135] validation_0-auc:0.59233
[136] validation_0-auc:0.59239
[137] validation_0-auc:0.59241

[138] validation_0-auc:0.59241
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[141] validation_0-auc:0.59290
[142] validation_0-auc:0.59290
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[145] validation_0-auc:0.59318
[146] validation_0-auc:0.59362
[147] validation_0-auc:0.59374
[148] validation_0-auc:0.59381
[149] validation_0-auc:0.59383
[150] validation_0-auc:0.59402
[151] validation_0-auc:0.59400
[152] validation_0-auc:0.59393
[153] validation_0-auc:0.59412
[154] validation_0-auc:0.59410
[155] validation_0-auc:0.59411
[156] validation_0-auc:0.59414
[157] validation_0-auc:0.59420
[158] validation_0-auc:0.59412
[159] validation_0-auc:0.59406
[160] validation_0-auc:0.59420
[161] validation_0-auc:0.59416
[162] validation_0-auc:0.59418
[163] validation_0-auc:0.59435
[164] validation_0-auc:0.59444
[165] validation_0-auc:0.59429
[166] validation_0-auc:0.59419
[167] validation_0-auc:0.59415
[168] validation_0-auc:0.59418
[169] validation_0-auc:0.59410
[170] validation_0-auc:0.59419
[171] validation_0-auc:0.59428
[172] validation_0-auc:0.59437
[173] validation_0-auc:0.59438
[174] validation_0-auc:0.59436
Stopping. Best iteration:
[164] validation_0-auc:0.59444

[0] validation_0-auc:0.52782
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.54150
[2] validation_0-auc:0.54586
[3] validation_0-auc:0.54928
[4] validation_0-auc:0.55210
[5] validation_0-auc:0.55423
[6] validation_0-auc:0.55495

[7] validation_0-auc:0.55544
[8] validation_0-auc:0.55766
[9] validation_0-auc:0.55838
[10] validation_0-auc:0.55931
[11] validation_0-auc:0.56082
[12] validation_0-auc:0.56199
[13] validation_0-auc:0.56236
[14] validation_0-auc:0.56360
[15] validation_0-auc:0.56433
[16] validation_0-auc:0.56530
[17] validation_0-auc:0.56646
[18] validation_0-auc:0.56686
[19] validation_0-auc:0.56729
[20] validation_0-auc:0.57008
[21] validation_0-auc:0.57093
[22] validation_0-auc:0.57133
[23] validation_0-auc:0.57166
[24] validation_0-auc:0.57244
[25] validation_0-auc:0.57307
[26] validation_0-auc:0.57345
[27] validation_0-auc:0.57411
[28] validation_0-auc:0.57386
[29] validation_0-auc:0.57417
[30] validation_0-auc:0.57421
[31] validation_0-auc:0.57432
[32] validation_0-auc:0.57446
[33] validation_0-auc:0.57462
[34] validation_0-auc:0.57465
[35] validation_0-auc:0.57494
[36] validation_0-auc:0.57491
[37] validation_0-auc:0.57469
[38] validation_0-auc:0.57507
[39] validation_0-auc:0.57508
[40] validation_0-auc:0.57535
[41] validation_0-auc:0.57568
[42] validation_0-auc:0.57613
[43] validation_0-auc:0.57737
[44] validation_0-auc:0.57811
[45] validation_0-auc:0.57835
[46] validation_0-auc:0.57842
[47] validation_0-auc:0.57861
[48] validation_0-auc:0.57866
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[50] validation_0-auc:0.57984
[51] validation_0-auc:0.57987
[52] validation_0-auc:0.58033
[53] validation_0-auc:0.58095
[54] validation_0-auc:0.58157

[55] validation_0-auc:0.58152
[56] validation_0-auc:0.58174
[57] validation_0-auc:0.58186
[58] validation_0-auc:0.58215
[59] validation_0-auc:0.58289
[60] validation_0-auc:0.58287
[61] validation_0-auc:0.58299
[62] validation_0-auc:0.58311
[63] validation_0-auc:0.58303
[64] validation_0-auc:0.58312
[65] validation_0-auc:0.58344
[66] validation_0-auc:0.58342
[67] validation_0-auc:0.58343
[68] validation_0-auc:0.58330
[69] validation_0-auc:0.58331
[70] validation_0-auc:0.58368
[71] validation_0-auc:0.58360
[72] validation_0-auc:0.58352
[73] validation_0-auc:0.58361
[74] validation_0-auc:0.58367
[75] validation_0-auc:0.58384
[76] validation_0-auc:0.58381
[77] validation_0-auc:0.58393
[78] validation_0-auc:0.58380
[79] validation_0-auc:0.58377
[80] validation_0-auc:0.58402
[81] validation_0-auc:0.58471
[82] validation_0-auc:0.58484
[83] validation_0-auc:0.58510
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[85] validation_0-auc:0.58627
[86] validation_0-auc:0.58659
[87] validation_0-auc:0.58699
[88] validation_0-auc:0.58725
[89] validation_0-auc:0.58734
[90] validation_0-auc:0.58743
[91] validation_0-auc:0.58722
[92] validation_0-auc:0.58739
[93] validation_0-auc:0.58770
[94] validation_0-auc:0.58780
[95] validation_0-auc:0.58791
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Stopping. Best iteration:
[321] validation_0-auc:0.60630

[0] validation_0-auc:0.52554
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53812
[2] validation_0-auc:0.54177
[3] validation_0-auc:0.54549
[4] validation_0-auc:0.54863
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[326] validation_0-auc:0.60508
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[331] validation_0-auc:0.60489
[332] validation_0-auc:0.60493
[333] validation_0-auc:0.60491
[334] validation_0-auc:0.60495

Stopping. Best iteration:

[324] validation_0-auc:0.60514

[0] validation_0-auc:0.52768

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53857

[2] validation_0-auc:0.54280

[3] validation_0-auc:0.54723

[4] validation_0-auc:0.54997
[5] validation_0-auc:0.55318
[6] validation_0-auc:0.55388
[7] validation_0-auc:0.55492
[8] validation_0-auc:0.55628
[9] validation_0-auc:0.55721
[10] validation_0-auc:0.55882
[11] validation_0-auc:0.56086
[12] validation_0-auc:0.56156
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[14] validation_0-auc:0.56280
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[51] validation_0-auc:0.57757

[52] validation_0-auc:0.57783
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[67] validation_0-auc:0.58140
[68] validation_0-auc:0.58138
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[74] validation_0-auc:0.58324
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[465] validation_0-auc:0.61128
Stopping. Best iteration:
[455] validation_0-auc:0.61130

[0] validation_0-auc:0.52690
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53747
[2] validation_0-auc:0.54197
[3] validation_0-auc:0.54589
[4] validation_0-auc:0.54891
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[13] validation_0-auc:0.56090

[14] validation_0-auc:0.56225
[15] validation_0-auc:0.56270
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[428] validation_0-auc:0.60864
Stopping. Best iteration:
[418] validation_0-auc:0.60879

[0] validation_0-auc:0.52678
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.54003
[2] validation_0-auc:0.54489
[3] validation_0-auc:0.54941
[4] validation_0-auc:0.55286
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[13] validation_0-auc:0.56805
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[151] validation_0-auc:0.60962
[152] validation_0-auc:0.60960
[153] validation_0-auc:0.60950
[154] validation_0-auc:0.60946
[155] validation_0-auc:0.60953
[156] validation_0-auc:0.60958

```
[157] validation_0-auc:0.60965
[158] validation_0-auc:0.60958
[159] validation_0-auc:0.60940
[160] validation_0-auc:0.60951
Stopping. Best iteration:
[150] validation_0-auc:0.60969
```

```
[0] validation_0-auc:0.52853
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.54432
[2] validation_0-auc:0.54892
[3] validation_0-auc:0.55319
[4] validation_0-auc:0.55656
[5] validation_0-auc:0.55842
[6] validation_0-auc:0.56002
[7] validation_0-auc:0.56029
[8] validation_0-auc:0.56408
[9] validation_0-auc:0.56485
[10] validation_0-auc:0.56594
[11] validation_0-auc:0.56778
[12] validation_0-auc:0.56849
[13] validation_0-auc:0.56968
[14] validation_0-auc:0.57127
[15] validation_0-auc:0.57214
[16] validation_0-auc:0.57283
[17] validation_0-auc:0.57435
[18] validation_0-auc:0.57462
[19] validation_0-auc:0.57520
[20] validation_0-auc:0.57831
[21] validation_0-auc:0.57941
[22] validation_0-auc:0.58054
[23] validation_0-auc:0.58143
[24] validation_0-auc:0.58274
[25] validation_0-auc:0.58360
[26] validation_0-auc:0.58388
[27] validation_0-auc:0.58482
[28] validation_0-auc:0.58492
[29] validation_0-auc:0.58584
[30] validation_0-auc:0.58608
[31] validation_0-auc:0.58643
[32] validation_0-auc:0.58653
[33] validation_0-auc:0.58688
[34] validation_0-auc:0.58676
[35] validation_0-auc:0.58739
[36] validation_0-auc:0.58742
[37] validation_0-auc:0.58725
[38] validation_0-auc:0.58797
[39] validation_0-auc:0.58791
```


[40] validation_0-auc:0.58793
[41] validation_0-auc:0.58829
[42] validation_0-auc:0.58857
[43] validation_0-auc:0.59016
[44] validation_0-auc:0.59074
[45] validation_0-auc:0.59120
[46] validation_0-auc:0.59166
[47] validation_0-auc:0.59177
[48] validation_0-auc:0.59184
[49] validation_0-auc:0.59335
[50] validation_0-auc:0.59338
[51] validation_0-auc:0.59323
[52] validation_0-auc:0.59368
[53] validation_0-auc:0.59380
[54] validation_0-auc:0.59426
[55] validation_0-auc:0.59420
[56] validation_0-auc:0.59444
[57] validation_0-auc:0.59442
[58] validation_0-auc:0.59459
[59] validation_0-auc:0.59544
[60] validation_0-auc:0.59527
[61] validation_0-auc:0.59527
[62] validation_0-auc:0.59534
[63] validation_0-auc:0.59552
[64] validation_0-auc:0.59572
[65] validation_0-auc:0.59644
[66] validation_0-auc:0.59631
[67] validation_0-auc:0.59648
[68] validation_0-auc:0.59629
[69] validation_0-auc:0.59626
[70] validation_0-auc:0.59624
[71] validation_0-auc:0.59635
[72] validation_0-auc:0.59614
[73] validation_0-auc:0.59629
[74] validation_0-auc:0.59634
[75] validation_0-auc:0.59614
[76] validation_0-auc:0.59620
[77] validation_0-auc:0.59618

Stopping. Best iteration:

[67] validation_0-auc:0.59648

[0] validation_0-auc:0.52610

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53868
[2] validation_0-auc:0.54310
[3] validation_0-auc:0.54845
[4] validation_0-auc:0.55261
[5] validation_0-auc:0.55609

[6] validation_0-auc:0.55736
[7] validation_0-auc:0.55763
[8] validation_0-auc:0.56144
[9] validation_0-auc:0.56211
[10] validation_0-auc:0.56349
[11] validation_0-auc:0.56427
[12] validation_0-auc:0.56456
[13] validation_0-auc:0.56550
[14] validation_0-auc:0.56660
[15] validation_0-auc:0.56741
[16] validation_0-auc:0.56825
[17] validation_0-auc:0.57058
[18] validation_0-auc:0.57099
[19] validation_0-auc:0.57169
[20] validation_0-auc:0.57513
[21] validation_0-auc:0.57580
[22] validation_0-auc:0.57693
[23] validation_0-auc:0.57780
[24] validation_0-auc:0.57874
[25] validation_0-auc:0.57887
[26] validation_0-auc:0.57969
[27] validation_0-auc:0.58032
[28] validation_0-auc:0.58030
[29] validation_0-auc:0.58085
[30] validation_0-auc:0.58154
[31] validation_0-auc:0.58160
[32] validation_0-auc:0.58172
[33] validation_0-auc:0.58229
[34] validation_0-auc:0.58247
[35] validation_0-auc:0.58303
[36] validation_0-auc:0.58317
[37] validation_0-auc:0.58295
[38] validation_0-auc:0.58362
[39] validation_0-auc:0.58412
[40] validation_0-auc:0.58441
[41] validation_0-auc:0.58537
[42] validation_0-auc:0.58576
[43] validation_0-auc:0.58664
[44] validation_0-auc:0.58711
[45] validation_0-auc:0.58739
[46] validation_0-auc:0.58749
[47] validation_0-auc:0.58714
[48] validation_0-auc:0.58727
[49] validation_0-auc:0.58845
[50] validation_0-auc:0.58837
[51] validation_0-auc:0.58853
[52] validation_0-auc:0.58863
[53] validation_0-auc:0.58866

[54] validation_0-auc:0.58911
[55] validation_0-auc:0.59022
[56] validation_0-auc:0.59059
[57] validation_0-auc:0.59066
[58] validation_0-auc:0.59057
[59] validation_0-auc:0.59118
[60] validation_0-auc:0.59112
[61] validation_0-auc:0.59107
[62] validation_0-auc:0.59123
[63] validation_0-auc:0.59140
[64] validation_0-auc:0.59180
[65] validation_0-auc:0.59249
[66] validation_0-auc:0.59371
[67] validation_0-auc:0.59392
[68] validation_0-auc:0.59406
[69] validation_0-auc:0.59398
[70] validation_0-auc:0.59436
[71] validation_0-auc:0.59421
[72] validation_0-auc:0.59423
[73] validation_0-auc:0.59431
[74] validation_0-auc:0.59466
[75] validation_0-auc:0.59455
[76] validation_0-auc:0.59454
[77] validation_0-auc:0.59464
[78] validation_0-auc:0.59495
[79] validation_0-auc:0.59503
[80] validation_0-auc:0.59491
[81] validation_0-auc:0.59505
[82] validation_0-auc:0.59543
[83] validation_0-auc:0.59536
[84] validation_0-auc:0.59579
[85] validation_0-auc:0.59662
[86] validation_0-auc:0.59674
[87] validation_0-auc:0.59760
[88] validation_0-auc:0.59761
[89] validation_0-auc:0.59759
[90] validation_0-auc:0.59773
[91] validation_0-auc:0.59771
[92] validation_0-auc:0.59787
[93] validation_0-auc:0.59789
[94] validation_0-auc:0.59837
[95] validation_0-auc:0.59822
[96] validation_0-auc:0.59823
[97] validation_0-auc:0.59840
[98] validation_0-auc:0.59856
[99] validation_0-auc:0.59857
[100] validation_0-auc:0.59870
[101] validation_0-auc:0.59879

[102] validation_0-auc:0.59908
[103] validation_0-auc:0.59903
[104] validation_0-auc:0.59897
[105] validation_0-auc:0.59890
[106] validation_0-auc:0.59892
[107] validation_0-auc:0.59936
[108] validation_0-auc:0.59932
[109] validation_0-auc:0.59967
[110] validation_0-auc:0.60012
[111] validation_0-auc:0.60016
[112] validation_0-auc:0.60024
[113] validation_0-auc:0.60038
[114] validation_0-auc:0.60032
[115] validation_0-auc:0.60039
[116] validation_0-auc:0.60045
[117] validation_0-auc:0.60038
[118] validation_0-auc:0.60026
[119] validation_0-auc:0.60045
[120] validation_0-auc:0.60054
[121] validation_0-auc:0.60054
[122] validation_0-auc:0.60064
[123] validation_0-auc:0.60064
[124] validation_0-auc:0.60069
[125] validation_0-auc:0.60062
[126] validation_0-auc:0.60068
[127] validation_0-auc:0.60077
[128] validation_0-auc:0.60140
[129] validation_0-auc:0.60130
[130] validation_0-auc:0.60165
[131] validation_0-auc:0.60157
[132] validation_0-auc:0.60159
[133] validation_0-auc:0.60183
[134] validation_0-auc:0.60186
[135] validation_0-auc:0.60194
[136] validation_0-auc:0.60252
[137] validation_0-auc:0.60242
[138] validation_0-auc:0.60240
[139] validation_0-auc:0.60241
[140] validation_0-auc:0.60274
[141] validation_0-auc:0.60289
[142] validation_0-auc:0.60300
[143] validation_0-auc:0.60319
[144] validation_0-auc:0.60309
[145] validation_0-auc:0.60318
[146] validation_0-auc:0.60367
[147] validation_0-auc:0.60368
[148] validation_0-auc:0.60370
[149] validation_0-auc:0.60370

[150] validation_0-auc:0.60374
[151] validation_0-auc:0.60365
[152] validation_0-auc:0.60373
[153] validation_0-auc:0.60374
[154] validation_0-auc:0.60363
[155] validation_0-auc:0.60401
[156] validation_0-auc:0.60416
[157] validation_0-auc:0.60426
[158] validation_0-auc:0.60418
[159] validation_0-auc:0.60422
[160] validation_0-auc:0.60425
[161] validation_0-auc:0.60433
[162] validation_0-auc:0.60444
[163] validation_0-auc:0.60438
[164] validation_0-auc:0.60452
[165] validation_0-auc:0.60459
[166] validation_0-auc:0.60473
[167] validation_0-auc:0.60471
[168] validation_0-auc:0.60474
[169] validation_0-auc:0.60478
[170] validation_0-auc:0.60473
[171] validation_0-auc:0.60511
[172] validation_0-auc:0.60541
[173] validation_0-auc:0.60557
[174] validation_0-auc:0.60603
[175] validation_0-auc:0.60598
[176] validation_0-auc:0.60639
[177] validation_0-auc:0.60643
[178] validation_0-auc:0.60643
[179] validation_0-auc:0.60656
[180] validation_0-auc:0.60661
[181] validation_0-auc:0.60665
[182] validation_0-auc:0.60664
[183] validation_0-auc:0.60671
[184] validation_0-auc:0.60694
[185] validation_0-auc:0.60704
[186] validation_0-auc:0.60700
[187] validation_0-auc:0.60711
[188] validation_0-auc:0.60737
[189] validation_0-auc:0.60749
[190] validation_0-auc:0.60749
[191] validation_0-auc:0.60748
[192] validation_0-auc:0.60745
[193] validation_0-auc:0.60754
[194] validation_0-auc:0.60758
[195] validation_0-auc:0.60781
[196] validation_0-auc:0.60794
[197] validation_0-auc:0.60808

[198] validation_0-auc:0.60837
[199] validation_0-auc:0.60838
[200] validation_0-auc:0.60826
[201] validation_0-auc:0.60831
[202] validation_0-auc:0.60822
[203] validation_0-auc:0.60811
[204] validation_0-auc:0.60826
[205] validation_0-auc:0.60813
[206] validation_0-auc:0.60840
[207] validation_0-auc:0.60846
[208] validation_0-auc:0.60840
[209] validation_0-auc:0.60845
[210] validation_0-auc:0.60848
[211] validation_0-auc:0.60852
[212] validation_0-auc:0.60872
[213] validation_0-auc:0.60921
[214] validation_0-auc:0.60926
[215] validation_0-auc:0.60921
[216] validation_0-auc:0.60938
[217] validation_0-auc:0.60943
[218] validation_0-auc:0.60953
[219] validation_0-auc:0.60962
[220] validation_0-auc:0.60966
[221] validation_0-auc:0.60974
[222] validation_0-auc:0.60970
[223] validation_0-auc:0.60974
[224] validation_0-auc:0.61010
[225] validation_0-auc:0.60999
[226] validation_0-auc:0.60994
[227] validation_0-auc:0.60984
[228] validation_0-auc:0.60990
[229] validation_0-auc:0.60991
[230] validation_0-auc:0.61001
[231] validation_0-auc:0.61004
[232] validation_0-auc:0.61004
[233] validation_0-auc:0.61009
[234] validation_0-auc:0.61017
[235] validation_0-auc:0.61026
[236] validation_0-auc:0.61022
[237] validation_0-auc:0.61018
[238] validation_0-auc:0.61019
[239] validation_0-auc:0.61029
[240] validation_0-auc:0.61033
[241] validation_0-auc:0.61047
[242] validation_0-auc:0.61047
[243] validation_0-auc:0.61055
[244] validation_0-auc:0.61050
[245] validation_0-auc:0.61044

[246] validation_0-auc:0.61045
[247] validation_0-auc:0.61040
[248] validation_0-auc:0.61041
[249] validation_0-auc:0.61039
[250] validation_0-auc:0.61046
[251] validation_0-auc:0.61047
[252] validation_0-auc:0.61051
[253] validation_0-auc:0.61059
[254] validation_0-auc:0.61080
[255] validation_0-auc:0.61072
[256] validation_0-auc:0.61091
[257] validation_0-auc:0.61080
[258] validation_0-auc:0.61094
[259] validation_0-auc:0.61094
[260] validation_0-auc:0.61108
[261] validation_0-auc:0.61100
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[263] validation_0-auc:0.61108
[264] validation_0-auc:0.61117
[265] validation_0-auc:0.61120
[266] validation_0-auc:0.61123
[267] validation_0-auc:0.61135
[268] validation_0-auc:0.61147
[269] validation_0-auc:0.61153
[270] validation_0-auc:0.61146
[271] validation_0-auc:0.61162
[272] validation_0-auc:0.61173
[273] validation_0-auc:0.61182
[274] validation_0-auc:0.61209
[275] validation_0-auc:0.61206
[276] validation_0-auc:0.61212
[277] validation_0-auc:0.61211
[278] validation_0-auc:0.61231
[279] validation_0-auc:0.61242
[280] validation_0-auc:0.61240
[281] validation_0-auc:0.61240
[282] validation_0-auc:0.61248
[283] validation_0-auc:0.61244
[284] validation_0-auc:0.61286
[285] validation_0-auc:0.61284
[286] validation_0-auc:0.61284
[287] validation_0-auc:0.61289
[288] validation_0-auc:0.61293
[289] validation_0-auc:0.61287
[290] validation_0-auc:0.61295
[291] validation_0-auc:0.61298
[292] validation_0-auc:0.61301
[293] validation_0-auc:0.61292

[294] validation_0-auc:0.61289
[295] validation_0-auc:0.61289
[296] validation_0-auc:0.61303
[297] validation_0-auc:0.61302
[298] validation_0-auc:0.61300
[299] validation_0-auc:0.61301
[300] validation_0-auc:0.61309
[301] validation_0-auc:0.61312
[302] validation_0-auc:0.61305
[303] validation_0-auc:0.61309
[304] validation_0-auc:0.61307
[305] validation_0-auc:0.61320
[306] validation_0-auc:0.61344
[307] validation_0-auc:0.61346
[308] validation_0-auc:0.61337
[309] validation_0-auc:0.61344
[310] validation_0-auc:0.61391
[311] validation_0-auc:0.61397
[312] validation_0-auc:0.61403
[313] validation_0-auc:0.61409
[314] validation_0-auc:0.61423
[315] validation_0-auc:0.61429
[316] validation_0-auc:0.61433
[317] validation_0-auc:0.61436
[318] validation_0-auc:0.61439
[319] validation_0-auc:0.61441
[320] validation_0-auc:0.61450
[321] validation_0-auc:0.61461
[322] validation_0-auc:0.61461
[323] validation_0-auc:0.61475
[324] validation_0-auc:0.61484
[325] validation_0-auc:0.61496
[326] validation_0-auc:0.61498
[327] validation_0-auc:0.61501
[328] validation_0-auc:0.61503
[329] validation_0-auc:0.61501
[330] validation_0-auc:0.61506
[331] validation_0-auc:0.61507
[332] validation_0-auc:0.61514
[333] validation_0-auc:0.61519
[334] validation_0-auc:0.61531
[335] validation_0-auc:0.61536
[336] validation_0-auc:0.61549
[337] validation_0-auc:0.61550
[338] validation_0-auc:0.61547
[339] validation_0-auc:0.61554
[340] validation_0-auc:0.61554
[341] validation_0-auc:0.61556

[342] validation_0-auc:0.61554
[343] validation_0-auc:0.61556
[344] validation_0-auc:0.61553
[345] validation_0-auc:0.61555
[346] validation_0-auc:0.61557
[347] validation_0-auc:0.61550
[348] validation_0-auc:0.61561
[349] validation_0-auc:0.61555
[350] validation_0-auc:0.61554
[351] validation_0-auc:0.61552
[352] validation_0-auc:0.61562
[353] validation_0-auc:0.61562
[354] validation_0-auc:0.61573
[355] validation_0-auc:0.61572
[356] validation_0-auc:0.61567
[357] validation_0-auc:0.61564
[358] validation_0-auc:0.61561
[359] validation_0-auc:0.61556
[360] validation_0-auc:0.61572
[361] validation_0-auc:0.61576
[362] validation_0-auc:0.61588
[363] validation_0-auc:0.61616
[364] validation_0-auc:0.61624
[365] validation_0-auc:0.61639
[366] validation_0-auc:0.61639
[367] validation_0-auc:0.61659
[368] validation_0-auc:0.61656
[369] validation_0-auc:0.61650
[370] validation_0-auc:0.61653
[371] validation_0-auc:0.61651
[372] validation_0-auc:0.61642
[373] validation_0-auc:0.61642
[374] validation_0-auc:0.61641
[375] validation_0-auc:0.61638
[376] validation_0-auc:0.61634
[377] validation_0-auc:0.61641

Stopping. Best iteration:

[367] validation_0-auc:0.61659

[0] validation_0-auc:0.52890

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.54028
[2] validation_0-auc:0.54521
[3] validation_0-auc:0.55063
[4] validation_0-auc:0.55424
[5] validation_0-auc:0.55613
[6] validation_0-auc:0.55739
[7] validation_0-auc:0.55857

[8] validation_0-auc:0.56136
[9] validation_0-auc:0.56239
[10] validation_0-auc:0.56417
[11] validation_0-auc:0.56524
[12] validation_0-auc:0.56604
[13] validation_0-auc:0.56695
[14] validation_0-auc:0.56898
[15] validation_0-auc:0.57088
[16] validation_0-auc:0.57126
[17] validation_0-auc:0.57204
[18] validation_0-auc:0.57244
[19] validation_0-auc:0.57247
[20] validation_0-auc:0.57493
[21] validation_0-auc:0.57537
[22] validation_0-auc:0.57581
[23] validation_0-auc:0.57605
[24] validation_0-auc:0.57759
[25] validation_0-auc:0.57843
[26] validation_0-auc:0.57887
[27] validation_0-auc:0.57988
[28] validation_0-auc:0.58008
[29] validation_0-auc:0.58044
[30] validation_0-auc:0.58052
[31] validation_0-auc:0.58041
[32] validation_0-auc:0.58100
[33] validation_0-auc:0.58174
[34] validation_0-auc:0.58173
[35] validation_0-auc:0.58222
[36] validation_0-auc:0.58225
[37] validation_0-auc:0.58218
[38] validation_0-auc:0.58279
[39] validation_0-auc:0.58354
[40] validation_0-auc:0.58380
[41] validation_0-auc:0.58509
[42] validation_0-auc:0.58543
[43] validation_0-auc:0.58588
[44] validation_0-auc:0.58573
[45] validation_0-auc:0.58694
[46] validation_0-auc:0.58733
[47] validation_0-auc:0.58714
[48] validation_0-auc:0.58744
[49] validation_0-auc:0.58799
[50] validation_0-auc:0.58806
[51] validation_0-auc:0.58835
[52] validation_0-auc:0.58874
[53] validation_0-auc:0.58911
[54] validation_0-auc:0.58929
[55] validation_0-auc:0.58944

[56] validation_0-auc:0.58995
[57] validation_0-auc:0.59013
[58] validation_0-auc:0.59096
[59] validation_0-auc:0.59092
[60] validation_0-auc:0.59079
[61] validation_0-auc:0.59101
[62] validation_0-auc:0.59140
[63] validation_0-auc:0.59146
[64] validation_0-auc:0.59143
[65] validation_0-auc:0.59141
[66] validation_0-auc:0.59213
[67] validation_0-auc:0.59251
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Will train until validation_0-auc hasn't improved in 10 rounds.

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[388] validation_0-auc:0.61441

Stopping. Best iteration:

[378] validation_0-auc:0.61450

[0] validation_0-auc:0.52678

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.54003
[2] validation_0-auc:0.54489
[3] validation_0-auc:0.54941
[4] validation_0-auc:0.55286
[5] validation_0-auc:0.55475
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[158] validation_0-auc:0.60958
[159] validation_0-auc:0.60940
[160] validation_0-auc:0.60951

Stopping. Best iteration:

[150] validation_0-auc:0.60969

[0] validation_0-auc:0.52853

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.54432
[2] validation_0-auc:0.54892
[3] validation_0-auc:0.55319
[4] validation_0-auc:0.55656
[5] validation_0-auc:0.55842
[6] validation_0-auc:0.56002
[7] validation_0-auc:0.56029
[8] validation_0-auc:0.56408
[9] validation_0-auc:0.56485
[10] validation_0-auc:0.56594
[11] validation_0-auc:0.56778
[12] validation_0-auc:0.56849
[13] validation_0-auc:0.56968
[14] validation_0-auc:0.57127
[15] validation_0-auc:0.57214
[16] validation_0-auc:0.57283
[17] validation_0-auc:0.57435
[18] validation_0-auc:0.57462
[19] validation_0-auc:0.57520
[20] validation_0-auc:0.57831
[21] validation_0-auc:0.57941
[22] validation_0-auc:0.58054
[23] validation_0-auc:0.58143
[24] validation_0-auc:0.58274
[25] validation_0-auc:0.58360
[26] validation_0-auc:0.58388
[27] validation_0-auc:0.58482
[28] validation_0-auc:0.58492
[29] validation_0-auc:0.58584
[30] validation_0-auc:0.58608
[31] validation_0-auc:0.58643
[32] validation_0-auc:0.58653
[33] validation_0-auc:0.58688
[34] validation_0-auc:0.58676
[35] validation_0-auc:0.58739
[36] validation_0-auc:0.58742
[37] validation_0-auc:0.58725
[38] validation_0-auc:0.58797
[39] validation_0-auc:0.58791
[40] validation_0-auc:0.58793
[41] validation_0-auc:0.58829
[42] validation_0-auc:0.58857
[43] validation_0-auc:0.59016
[44] validation_0-auc:0.59074
[45] validation_0-auc:0.59120
[46] validation_0-auc:0.59166
[47] validation_0-auc:0.59177
[48] validation_0-auc:0.59184

[49] validation_0-auc:0.59335
[50] validation_0-auc:0.59338
[51] validation_0-auc:0.59323
[52] validation_0-auc:0.59368
[53] validation_0-auc:0.59380
[54] validation_0-auc:0.59426
[55] validation_0-auc:0.59420
[56] validation_0-auc:0.59444
[57] validation_0-auc:0.59442
[58] validation_0-auc:0.59459
[59] validation_0-auc:0.59544
[60] validation_0-auc:0.59527
[61] validation_0-auc:0.59527
[62] validation_0-auc:0.59534
[63] validation_0-auc:0.59552
[64] validation_0-auc:0.59572
[65] validation_0-auc:0.59644
[66] validation_0-auc:0.59631
[67] validation_0-auc:0.59648
[68] validation_0-auc:0.59629
[69] validation_0-auc:0.59626
[70] validation_0-auc:0.59624
[71] validation_0-auc:0.59635
[72] validation_0-auc:0.59614
[73] validation_0-auc:0.59629
[74] validation_0-auc:0.59634
[75] validation_0-auc:0.59614
[76] validation_0-auc:0.59620
[77] validation_0-auc:0.59618

Stopping. Best iteration:

[67] validation_0-auc:0.59648

[0] validation_0-auc:0.52610

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53868
[2] validation_0-auc:0.54310
[3] validation_0-auc:0.54845
[4] validation_0-auc:0.55261
[5] validation_0-auc:0.55609
[6] validation_0-auc:0.55736
[7] validation_0-auc:0.55763
[8] validation_0-auc:0.56144
[9] validation_0-auc:0.56211
[10] validation_0-auc:0.56349
[11] validation_0-auc:0.56427
[12] validation_0-auc:0.56456
[13] validation_0-auc:0.56550
[14] validation_0-auc:0.56660

[15] validation_0-auc:0.56741
[16] validation_0-auc:0.56825
[17] validation_0-auc:0.57058
[18] validation_0-auc:0.57099
[19] validation_0-auc:0.57169
[20] validation_0-auc:0.57513
[21] validation_0-auc:0.57580
[22] validation_0-auc:0.57693
[23] validation_0-auc:0.57780
[24] validation_0-auc:0.57874
[25] validation_0-auc:0.57887
[26] validation_0-auc:0.57969
[27] validation_0-auc:0.58032
[28] validation_0-auc:0.58030
[29] validation_0-auc:0.58085
[30] validation_0-auc:0.58154
[31] validation_0-auc:0.58160
[32] validation_0-auc:0.58172
[33] validation_0-auc:0.58229
[34] validation_0-auc:0.58247
[35] validation_0-auc:0.58303
[36] validation_0-auc:0.58317
[37] validation_0-auc:0.58295
[38] validation_0-auc:0.58362
[39] validation_0-auc:0.58412
[40] validation_0-auc:0.58441
[41] validation_0-auc:0.58537
[42] validation_0-auc:0.58576
[43] validation_0-auc:0.58664
[44] validation_0-auc:0.58711
[45] validation_0-auc:0.58739
[46] validation_0-auc:0.58749
[47] validation_0-auc:0.58714
[48] validation_0-auc:0.58727
[49] validation_0-auc:0.58845
[50] validation_0-auc:0.58837
[51] validation_0-auc:0.58853
[52] validation_0-auc:0.58863
[53] validation_0-auc:0.58866
[54] validation_0-auc:0.58911
[55] validation_0-auc:0.59022
[56] validation_0-auc:0.59059
[57] validation_0-auc:0.59066
[58] validation_0-auc:0.59057
[59] validation_0-auc:0.59118
[60] validation_0-auc:0.59112
[61] validation_0-auc:0.59107
[62] validation_0-auc:0.59123

[63] validation_0-auc:0.59140
[64] validation_0-auc:0.59180
[65] validation_0-auc:0.59249
[66] validation_0-auc:0.59371
[67] validation_0-auc:0.59392
[68] validation_0-auc:0.59406
[69] validation_0-auc:0.59398
[70] validation_0-auc:0.59436
[71] validation_0-auc:0.59421
[72] validation_0-auc:0.59423
[73] validation_0-auc:0.59431
[74] validation_0-auc:0.59466
[75] validation_0-auc:0.59455
[76] validation_0-auc:0.59454
[77] validation_0-auc:0.59464
[78] validation_0-auc:0.59495
[79] validation_0-auc:0.59503
[80] validation_0-auc:0.59491
[81] validation_0-auc:0.59505
[82] validation_0-auc:0.59543
[83] validation_0-auc:0.59536
[84] validation_0-auc:0.59579
[85] validation_0-auc:0.59662
[86] validation_0-auc:0.59674
[87] validation_0-auc:0.59760
[88] validation_0-auc:0.59761
[89] validation_0-auc:0.59759
[90] validation_0-auc:0.59773
[91] validation_0-auc:0.59771
[92] validation_0-auc:0.59787
[93] validation_0-auc:0.59789
[94] validation_0-auc:0.59837
[95] validation_0-auc:0.59822
[96] validation_0-auc:0.59823
[97] validation_0-auc:0.59840
[98] validation_0-auc:0.59856
[99] validation_0-auc:0.59857
[100] validation_0-auc:0.59870
[101] validation_0-auc:0.59879
[102] validation_0-auc:0.59908
[103] validation_0-auc:0.59903
[104] validation_0-auc:0.59897
[105] validation_0-auc:0.59890
[106] validation_0-auc:0.59892
[107] validation_0-auc:0.59936
[108] validation_0-auc:0.59932
[109] validation_0-auc:0.59967
[110] validation_0-auc:0.60012

[111] validation_0-auc:0.60016
[112] validation_0-auc:0.60024
[113] validation_0-auc:0.60038
[114] validation_0-auc:0.60032
[115] validation_0-auc:0.60039
[116] validation_0-auc:0.60045
[117] validation_0-auc:0.60038
[118] validation_0-auc:0.60026
[119] validation_0-auc:0.60045
[120] validation_0-auc:0.60054
[121] validation_0-auc:0.60054
[122] validation_0-auc:0.60064
[123] validation_0-auc:0.60064
[124] validation_0-auc:0.60069
[125] validation_0-auc:0.60062
[126] validation_0-auc:0.60068
[127] validation_0-auc:0.60077
[128] validation_0-auc:0.60140
[129] validation_0-auc:0.60130
[130] validation_0-auc:0.60165
[131] validation_0-auc:0.60157
[132] validation_0-auc:0.60159
[133] validation_0-auc:0.60183
[134] validation_0-auc:0.60186
[135] validation_0-auc:0.60194
[136] validation_0-auc:0.60252
[137] validation_0-auc:0.60242
[138] validation_0-auc:0.60240
[139] validation_0-auc:0.60241
[140] validation_0-auc:0.60274
[141] validation_0-auc:0.60289
[142] validation_0-auc:0.60300
[143] validation_0-auc:0.60319
[144] validation_0-auc:0.60309
[145] validation_0-auc:0.60318
[146] validation_0-auc:0.60367
[147] validation_0-auc:0.60368
[148] validation_0-auc:0.60370
[149] validation_0-auc:0.60370
[150] validation_0-auc:0.60374
[151] validation_0-auc:0.60365
[152] validation_0-auc:0.60373
[153] validation_0-auc:0.60374
[154] validation_0-auc:0.60363
[155] validation_0-auc:0.60401
[156] validation_0-auc:0.60416
[157] validation_0-auc:0.60426
[158] validation_0-auc:0.60418

[159] validation_0-auc:0.60422
[160] validation_0-auc:0.60425
[161] validation_0-auc:0.60433
[162] validation_0-auc:0.60444
[163] validation_0-auc:0.60438
[164] validation_0-auc:0.60452
[165] validation_0-auc:0.60459
[166] validation_0-auc:0.60473
[167] validation_0-auc:0.60471
[168] validation_0-auc:0.60474
[169] validation_0-auc:0.60478
[170] validation_0-auc:0.60473
[171] validation_0-auc:0.60511
[172] validation_0-auc:0.60541
[173] validation_0-auc:0.60557
[174] validation_0-auc:0.60603
[175] validation_0-auc:0.60598
[176] validation_0-auc:0.60639
[177] validation_0-auc:0.60643
[178] validation_0-auc:0.60643
[179] validation_0-auc:0.60656
[180] validation_0-auc:0.60661
[181] validation_0-auc:0.60665
[182] validation_0-auc:0.60664
[183] validation_0-auc:0.60671
[184] validation_0-auc:0.60694
[185] validation_0-auc:0.60704
[186] validation_0-auc:0.60700
[187] validation_0-auc:0.60711
[188] validation_0-auc:0.60737
[189] validation_0-auc:0.60749
[190] validation_0-auc:0.60749
[191] validation_0-auc:0.60748
[192] validation_0-auc:0.60745
[193] validation_0-auc:0.60754
[194] validation_0-auc:0.60758
[195] validation_0-auc:0.60781
[196] validation_0-auc:0.60794
[197] validation_0-auc:0.60808
[198] validation_0-auc:0.60837
[199] validation_0-auc:0.60838
[200] validation_0-auc:0.60826
[201] validation_0-auc:0.60831
[202] validation_0-auc:0.60822
[203] validation_0-auc:0.60811
[204] validation_0-auc:0.60826
[205] validation_0-auc:0.60813
[206] validation_0-auc:0.60840

[207] validation_0-auc:0.60846
[208] validation_0-auc:0.60840
[209] validation_0-auc:0.60845
[210] validation_0-auc:0.60848
[211] validation_0-auc:0.60852
[212] validation_0-auc:0.60872
[213] validation_0-auc:0.60921
[214] validation_0-auc:0.60926
[215] validation_0-auc:0.60921
[216] validation_0-auc:0.60938
[217] validation_0-auc:0.60943
[218] validation_0-auc:0.60953
[219] validation_0-auc:0.60962
[220] validation_0-auc:0.60966
[221] validation_0-auc:0.60974
[222] validation_0-auc:0.60970
[223] validation_0-auc:0.60974
[224] validation_0-auc:0.61010
[225] validation_0-auc:0.60999
[226] validation_0-auc:0.60994
[227] validation_0-auc:0.60984
[228] validation_0-auc:0.60990
[229] validation_0-auc:0.60991
[230] validation_0-auc:0.61001
[231] validation_0-auc:0.61004
[232] validation_0-auc:0.61004
[233] validation_0-auc:0.61009
[234] validation_0-auc:0.61017
[235] validation_0-auc:0.61026
[236] validation_0-auc:0.61022
[237] validation_0-auc:0.61018
[238] validation_0-auc:0.61019
[239] validation_0-auc:0.61029
[240] validation_0-auc:0.61033
[241] validation_0-auc:0.61047
[242] validation_0-auc:0.61047
[243] validation_0-auc:0.61055
[244] validation_0-auc:0.61050
[245] validation_0-auc:0.61044
[246] validation_0-auc:0.61045
[247] validation_0-auc:0.61040
[248] validation_0-auc:0.61041
[249] validation_0-auc:0.61039
[250] validation_0-auc:0.61046
[251] validation_0-auc:0.61047
[252] validation_0-auc:0.61051
[253] validation_0-auc:0.61059
[254] validation_0-auc:0.61080

[255] validation_0-auc:0.61072
[256] validation_0-auc:0.61091
[257] validation_0-auc:0.61080
[258] validation_0-auc:0.61094
[259] validation_0-auc:0.61094
[260] validation_0-auc:0.61108
[261] validation_0-auc:0.61100
[262] validation_0-auc:0.61104
[263] validation_0-auc:0.61108
[264] validation_0-auc:0.61117
[265] validation_0-auc:0.61120
[266] validation_0-auc:0.61123
[267] validation_0-auc:0.61135
[268] validation_0-auc:0.61147
[269] validation_0-auc:0.61153
[270] validation_0-auc:0.61146
[271] validation_0-auc:0.61162
[272] validation_0-auc:0.61173
[273] validation_0-auc:0.61182
[274] validation_0-auc:0.61209
[275] validation_0-auc:0.61206
[276] validation_0-auc:0.61212
[277] validation_0-auc:0.61211
[278] validation_0-auc:0.61231
[279] validation_0-auc:0.61242
[280] validation_0-auc:0.61240
[281] validation_0-auc:0.61240
[282] validation_0-auc:0.61248
[283] validation_0-auc:0.61244
[284] validation_0-auc:0.61286
[285] validation_0-auc:0.61284
[286] validation_0-auc:0.61284
[287] validation_0-auc:0.61289
[288] validation_0-auc:0.61293
[289] validation_0-auc:0.61287
[290] validation_0-auc:0.61295
[291] validation_0-auc:0.61298
[292] validation_0-auc:0.61301
[293] validation_0-auc:0.61292
[294] validation_0-auc:0.61289
[295] validation_0-auc:0.61289
[296] validation_0-auc:0.61303
[297] validation_0-auc:0.61302
[298] validation_0-auc:0.61300
[299] validation_0-auc:0.61301
[300] validation_0-auc:0.61309
[301] validation_0-auc:0.61312
[302] validation_0-auc:0.61305

[303] validation_0-auc:0.61309
[304] validation_0-auc:0.61307
[305] validation_0-auc:0.61320
[306] validation_0-auc:0.61344
[307] validation_0-auc:0.61346
[308] validation_0-auc:0.61337
[309] validation_0-auc:0.61344
[310] validation_0-auc:0.61391
[311] validation_0-auc:0.61397
[312] validation_0-auc:0.61403
[313] validation_0-auc:0.61409
[314] validation_0-auc:0.61423
[315] validation_0-auc:0.61429
[316] validation_0-auc:0.61433
[317] validation_0-auc:0.61436
[318] validation_0-auc:0.61439
[319] validation_0-auc:0.61441
[320] validation_0-auc:0.61450
[321] validation_0-auc:0.61461
[322] validation_0-auc:0.61461
[323] validation_0-auc:0.61475
[324] validation_0-auc:0.61484
[325] validation_0-auc:0.61496
[326] validation_0-auc:0.61498
[327] validation_0-auc:0.61501
[328] validation_0-auc:0.61503
[329] validation_0-auc:0.61501
[330] validation_0-auc:0.61506
[331] validation_0-auc:0.61507
[332] validation_0-auc:0.61514
[333] validation_0-auc:0.61519
[334] validation_0-auc:0.61531
[335] validation_0-auc:0.61536
[336] validation_0-auc:0.61549
[337] validation_0-auc:0.61550
[338] validation_0-auc:0.61547
[339] validation_0-auc:0.61554
[340] validation_0-auc:0.61554
[341] validation_0-auc:0.61556
[342] validation_0-auc:0.61554
[343] validation_0-auc:0.61556
[344] validation_0-auc:0.61553
[345] validation_0-auc:0.61555
[346] validation_0-auc:0.61557
[347] validation_0-auc:0.61550
[348] validation_0-auc:0.61561
[349] validation_0-auc:0.61555
[350] validation_0-auc:0.61554

[351] validation_0-auc:0.61552
[352] validation_0-auc:0.61562
[353] validation_0-auc:0.61562
[354] validation_0-auc:0.61573
[355] validation_0-auc:0.61572
[356] validation_0-auc:0.61567
[357] validation_0-auc:0.61564
[358] validation_0-auc:0.61561
[359] validation_0-auc:0.61556
[360] validation_0-auc:0.61572
[361] validation_0-auc:0.61576
[362] validation_0-auc:0.61588
[363] validation_0-auc:0.61616
[364] validation_0-auc:0.61624
[365] validation_0-auc:0.61639
[366] validation_0-auc:0.61639
[367] validation_0-auc:0.61659
[368] validation_0-auc:0.61656
[369] validation_0-auc:0.61650
[370] validation_0-auc:0.61653
[371] validation_0-auc:0.61651
[372] validation_0-auc:0.61642
[373] validation_0-auc:0.61642
[374] validation_0-auc:0.61641
[375] validation_0-auc:0.61638
[376] validation_0-auc:0.61634
[377] validation_0-auc:0.61641

Stopping. Best iteration:

[367] validation_0-auc:0.61659

[0] validation_0-auc:0.52890

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.54028
[2] validation_0-auc:0.54521
[3] validation_0-auc:0.55063
[4] validation_0-auc:0.55424
[5] validation_0-auc:0.55613
[6] validation_0-auc:0.55739
[7] validation_0-auc:0.55857
[8] validation_0-auc:0.56136
[9] validation_0-auc:0.56239
[10] validation_0-auc:0.56417
[11] validation_0-auc:0.56524
[12] validation_0-auc:0.56604
[13] validation_0-auc:0.56695
[14] validation_0-auc:0.56898
[15] validation_0-auc:0.57088
[16] validation_0-auc:0.57126

[17] validation_0-auc:0.57204
[18] validation_0-auc:0.57244
[19] validation_0-auc:0.57247
[20] validation_0-auc:0.57493
[21] validation_0-auc:0.57537
[22] validation_0-auc:0.57581
[23] validation_0-auc:0.57605
[24] validation_0-auc:0.57759
[25] validation_0-auc:0.57843
[26] validation_0-auc:0.57887
[27] validation_0-auc:0.57988
[28] validation_0-auc:0.58008
[29] validation_0-auc:0.58044
[30] validation_0-auc:0.58052
[31] validation_0-auc:0.58041
[32] validation_0-auc:0.58100
[33] validation_0-auc:0.58174
[34] validation_0-auc:0.58173
[35] validation_0-auc:0.58222
[36] validation_0-auc:0.58225
[37] validation_0-auc:0.58218
[38] validation_0-auc:0.58279
[39] validation_0-auc:0.58354
[40] validation_0-auc:0.58380
[41] validation_0-auc:0.58509
[42] validation_0-auc:0.58543
[43] validation_0-auc:0.58588
[44] validation_0-auc:0.58573
[45] validation_0-auc:0.58694
[46] validation_0-auc:0.58733
[47] validation_0-auc:0.58714
[48] validation_0-auc:0.58744
[49] validation_0-auc:0.58799
[50] validation_0-auc:0.58806
[51] validation_0-auc:0.58835
[52] validation_0-auc:0.58874
[53] validation_0-auc:0.58911
[54] validation_0-auc:0.58929
[55] validation_0-auc:0.58944
[56] validation_0-auc:0.58995
[57] validation_0-auc:0.59013
[58] validation_0-auc:0.59096
[59] validation_0-auc:0.59092
[60] validation_0-auc:0.59079
[61] validation_0-auc:0.59101
[62] validation_0-auc:0.59140
[63] validation_0-auc:0.59146
[64] validation_0-auc:0.59143

[65] validation_0-auc:0.59141
[66] validation_0-auc:0.59213
[67] validation_0-auc:0.59251
[68] validation_0-auc:0.59268
[69] validation_0-auc:0.59309
[70] validation_0-auc:0.59449
[71] validation_0-auc:0.59409
[72] validation_0-auc:0.59403
[73] validation_0-auc:0.59399
[74] validation_0-auc:0.59448
[75] validation_0-auc:0.59462
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[618] validation_0-auc:0.62485
[619] validation_0-auc:0.62485
[620] validation_0-auc:0.62486
[621] validation_0-auc:0.62487
[622] validation_0-auc:0.62487
[623] validation_0-auc:0.62489
[624] validation_0-auc:0.62486
[625] validation_0-auc:0.62484
[626] validation_0-auc:0.62485

Stopping. Best iteration:

[616] validation_0-auc:0.62491

[0] validation_0-auc:0.52716

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53731
[2] validation_0-auc:0.54332
[3] validation_0-auc:0.54974
[4] validation_0-auc:0.55276
[5] validation_0-auc:0.55424
[6] validation_0-auc:0.55561
[7] validation_0-auc:0.55723
[8] validation_0-auc:0.56062
[9] validation_0-auc:0.56146

[10] validation_0-auc:0.56301
[11] validation_0-auc:0.56368
[12] validation_0-auc:0.56376
[13] validation_0-auc:0.56554
[14] validation_0-auc:0.56796
[15] validation_0-auc:0.56803
[16] validation_0-auc:0.56970
[17] validation_0-auc:0.57064
[18] validation_0-auc:0.57132
[19] validation_0-auc:0.57211
[20] validation_0-auc:0.57255
[21] validation_0-auc:0.57276
[22] validation_0-auc:0.57478
[23] validation_0-auc:0.57506
[24] validation_0-auc:0.57650
[25] validation_0-auc:0.57680
[26] validation_0-auc:0.57798
[27] validation_0-auc:0.57857
[28] validation_0-auc:0.57862
[29] validation_0-auc:0.57905
[30] validation_0-auc:0.57937
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[33] validation_0-auc:0.58093
[34] validation_0-auc:0.58109
[35] validation_0-auc:0.58153
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[38] validation_0-auc:0.58233
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[40] validation_0-auc:0.58292
[41] validation_0-auc:0.58352
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[43] validation_0-auc:0.58427
[44] validation_0-auc:0.58466
[45] validation_0-auc:0.58512
[46] validation_0-auc:0.58530
[47] validation_0-auc:0.58513
[48] validation_0-auc:0.58496
[49] validation_0-auc:0.58515
[50] validation_0-auc:0.58533
[51] validation_0-auc:0.58577
[52] validation_0-auc:0.58647
[53] validation_0-auc:0.58656
[54] validation_0-auc:0.58686
[55] validation_0-auc:0.58773
[56] validation_0-auc:0.58788
[57] validation_0-auc:0.58761

[58] validation_0-auc:0.58796
[59] validation_0-auc:0.58830
[60] validation_0-auc:0.58828
[61] validation_0-auc:0.58846
[62] validation_0-auc:0.58852
[63] validation_0-auc:0.58869
[64] validation_0-auc:0.58858
[65] validation_0-auc:0.58872
[66] validation_0-auc:0.58873
[67] validation_0-auc:0.58917
[68] validation_0-auc:0.58942
[69] validation_0-auc:0.58947
[70] validation_0-auc:0.59045
[71] validation_0-auc:0.59056
[72] validation_0-auc:0.59050
[73] validation_0-auc:0.59061
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[78] validation_0-auc:0.59239
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[80] validation_0-auc:0.59252
[81] validation_0-auc:0.59251
[82] validation_0-auc:0.59275
[83] validation_0-auc:0.59325
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[86] validation_0-auc:0.59428
[87] validation_0-auc:0.59437
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[89] validation_0-auc:0.59520
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[91] validation_0-auc:0.59556
[92] validation_0-auc:0.59554
[93] validation_0-auc:0.59594
[94] validation_0-auc:0.59651
[95] validation_0-auc:0.59699
[96] validation_0-auc:0.59717
[97] validation_0-auc:0.59713
[98] validation_0-auc:0.59710
[99] validation_0-auc:0.59767
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[102] validation_0-auc:0.59805
[103] validation_0-auc:0.59797
[104] validation_0-auc:0.59792
[105] validation_0-auc:0.59785

[106] validation_0-auc:0.59788
[107] validation_0-auc:0.59810
[108] validation_0-auc:0.59824
[109] validation_0-auc:0.59840
[110] validation_0-auc:0.59867
[111] validation_0-auc:0.59881
[112] validation_0-auc:0.59901
[113] validation_0-auc:0.59897
[114] validation_0-auc:0.59899
[115] validation_0-auc:0.59912
[116] validation_0-auc:0.59912
[117] validation_0-auc:0.59899
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[120] validation_0-auc:0.59943
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[122] validation_0-auc:0.59976
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[199] validation_0-auc:0.60682
[200] validation_0-auc:0.60687
[201] validation_0-auc:0.60678

[202] validation_0-auc:0.60688
[203] validation_0-auc:0.60684
[204] validation_0-auc:0.60698
[205] validation_0-auc:0.60716
[206] validation_0-auc:0.60728
[207] validation_0-auc:0.60736
[208] validation_0-auc:0.60736
[209] validation_0-auc:0.60745
[210] validation_0-auc:0.60747
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[212] validation_0-auc:0.60749
[213] validation_0-auc:0.60789
[214] validation_0-auc:0.60789
[215] validation_0-auc:0.60810
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[223] validation_0-auc:0.60836
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[228] validation_0-auc:0.60868
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[230] validation_0-auc:0.60866
[231] validation_0-auc:0.60870
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[236] validation_0-auc:0.60891
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[248] validation_0-auc:0.60892
[249] validation_0-auc:0.60890

[250] validation_0-auc:0.60925
[251] validation_0-auc:0.60919
[252] validation_0-auc:0.60936
[253] validation_0-auc:0.60934
[254] validation_0-auc:0.60940
[255] validation_0-auc:0.60942
[256] validation_0-auc:0.60937
[257] validation_0-auc:0.60955
[258] validation_0-auc:0.60963
[259] validation_0-auc:0.60960
[260] validation_0-auc:0.60970
[261] validation_0-auc:0.60968
[262] validation_0-auc:0.60973
[263] validation_0-auc:0.60969
[264] validation_0-auc:0.60974
[265] validation_0-auc:0.60976
[266] validation_0-auc:0.60982
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[270] validation_0-auc:0.60984
[271] validation_0-auc:0.60988
[272] validation_0-auc:0.60992
[273] validation_0-auc:0.60998
[274] validation_0-auc:0.60993
[275] validation_0-auc:0.60990
[276] validation_0-auc:0.60996
[277] validation_0-auc:0.61011
[278] validation_0-auc:0.61041
[279] validation_0-auc:0.61051
[280] validation_0-auc:0.61056
[281] validation_0-auc:0.61065
[282] validation_0-auc:0.61067
[283] validation_0-auc:0.61064
[284] validation_0-auc:0.61069
[285] validation_0-auc:0.61066
[286] validation_0-auc:0.61066
[287] validation_0-auc:0.61089
[288] validation_0-auc:0.61097
[289] validation_0-auc:0.61096
[290] validation_0-auc:0.61091
[291] validation_0-auc:0.61088
[292] validation_0-auc:0.61085
[293] validation_0-auc:0.61101
[294] validation_0-auc:0.61099
[295] validation_0-auc:0.61128
[296] validation_0-auc:0.61151
[297] validation_0-auc:0.61161

[298] validation_0-auc:0.61163
[299] validation_0-auc:0.61163
[300] validation_0-auc:0.61165
[301] validation_0-auc:0.61169
[302] validation_0-auc:0.61170
[303] validation_0-auc:0.61181
[304] validation_0-auc:0.61188
[305] validation_0-auc:0.61197
[306] validation_0-auc:0.61203
[307] validation_0-auc:0.61202
[308] validation_0-auc:0.61206
[309] validation_0-auc:0.61208
[310] validation_0-auc:0.61216
[311] validation_0-auc:0.61206
[312] validation_0-auc:0.61205
[313] validation_0-auc:0.61210
[314] validation_0-auc:0.61216
[315] validation_0-auc:0.61224
[316] validation_0-auc:0.61230
[317] validation_0-auc:0.61248
[318] validation_0-auc:0.61250
[319] validation_0-auc:0.61241
[320] validation_0-auc:0.61254
[321] validation_0-auc:0.61251
[322] validation_0-auc:0.61253
[323] validation_0-auc:0.61260
[324] validation_0-auc:0.61274
[325] validation_0-auc:0.61291
[326] validation_0-auc:0.61298
[327] validation_0-auc:0.61303
[328] validation_0-auc:0.61308
[329] validation_0-auc:0.61304
[330] validation_0-auc:0.61308
[331] validation_0-auc:0.61308
[332] validation_0-auc:0.61309
[333] validation_0-auc:0.61307
[334] validation_0-auc:0.61311
[335] validation_0-auc:0.61308
[336] validation_0-auc:0.61306
[337] validation_0-auc:0.61307
[338] validation_0-auc:0.61306
[339] validation_0-auc:0.61313
[340] validation_0-auc:0.61312
[341] validation_0-auc:0.61316
[342] validation_0-auc:0.61333
[343] validation_0-auc:0.61331
[344] validation_0-auc:0.61336
[345] validation_0-auc:0.61328

[346] validation_0-auc:0.61336
[347] validation_0-auc:0.61330
[348] validation_0-auc:0.61336
[349] validation_0-auc:0.61327
[350] validation_0-auc:0.61333
[351] validation_0-auc:0.61335
[352] validation_0-auc:0.61336
[353] validation_0-auc:0.61339
[354] validation_0-auc:0.61336
[355] validation_0-auc:0.61331
[356] validation_0-auc:0.61332
[357] validation_0-auc:0.61333
[358] validation_0-auc:0.61342
[359] validation_0-auc:0.61347
[360] validation_0-auc:0.61345
[361] validation_0-auc:0.61342
[362] validation_0-auc:0.61364
[363] validation_0-auc:0.61386
[364] validation_0-auc:0.61385
[365] validation_0-auc:0.61416
[366] validation_0-auc:0.61408
[367] validation_0-auc:0.61412
[368] validation_0-auc:0.61415
[369] validation_0-auc:0.61413
[370] validation_0-auc:0.61420
[371] validation_0-auc:0.61428
[372] validation_0-auc:0.61435
[373] validation_0-auc:0.61437
[374] validation_0-auc:0.61446
[375] validation_0-auc:0.61436
[376] validation_0-auc:0.61445
[377] validation_0-auc:0.61450
[378] validation_0-auc:0.61450
[379] validation_0-auc:0.61450
[380] validation_0-auc:0.61443
[381] validation_0-auc:0.61441
[382] validation_0-auc:0.61445
[383] validation_0-auc:0.61450
[384] validation_0-auc:0.61449
[385] validation_0-auc:0.61446
[386] validation_0-auc:0.61445
[387] validation_0-auc:0.61445
[388] validation_0-auc:0.61441

Stopping. Best iteration:

[378] validation_0-auc:0.61450

[0] validation_0-auc:0.52678

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.54003
[2] validation_0-auc:0.54489
[3] validation_0-auc:0.54941
[4] validation_0-auc:0.55286
[5] validation_0-auc:0.55475
[6] validation_0-auc:0.55554
[7] validation_0-auc:0.55725
[8] validation_0-auc:0.55923
[9] validation_0-auc:0.56185
[10] validation_0-auc:0.56302
[11] validation_0-auc:0.56474
[12] validation_0-auc:0.56622
[13] validation_0-auc:0.56805
[14] validation_0-auc:0.57029
[15] validation_0-auc:0.57307
[16] validation_0-auc:0.57352
[17] validation_0-auc:0.57509
[18] validation_0-auc:0.57539
[19] validation_0-auc:0.57609
[20] validation_0-auc:0.57783
[21] validation_0-auc:0.57913
[22] validation_0-auc:0.57997
[23] validation_0-auc:0.58007
[24] validation_0-auc:0.58163
[25] validation_0-auc:0.58321
[26] validation_0-auc:0.58373
[27] validation_0-auc:0.58469
[28] validation_0-auc:0.58444
[29] validation_0-auc:0.58455
[30] validation_0-auc:0.58487
[31] validation_0-auc:0.58481
[32] validation_0-auc:0.58518
[33] validation_0-auc:0.58557
[34] validation_0-auc:0.58618
[35] validation_0-auc:0.58659
[36] validation_0-auc:0.58646
[37] validation_0-auc:0.58627
[38] validation_0-auc:0.58651
[39] validation_0-auc:0.58690
[40] validation_0-auc:0.58754
[41] validation_0-auc:0.58833
[42] validation_0-auc:0.58886
[43] validation_0-auc:0.58941
[44] validation_0-auc:0.58978
[45] validation_0-auc:0.58973
[46] validation_0-auc:0.58997
[47] validation_0-auc:0.59037
[48] validation_0-auc:0.59031

[49] validation_0-auc:0.59060
[50] validation_0-auc:0.59081
[51] validation_0-auc:0.59077
[52] validation_0-auc:0.59114
[53] validation_0-auc:0.59149
[54] validation_0-auc:0.59165
[55] validation_0-auc:0.59196
[56] validation_0-auc:0.59267
[57] validation_0-auc:0.59283
[58] validation_0-auc:0.59293
[59] validation_0-auc:0.59336
[60] validation_0-auc:0.59317
[61] validation_0-auc:0.59344
[62] validation_0-auc:0.59327
[63] validation_0-auc:0.59349
[64] validation_0-auc:0.59388
[65] validation_0-auc:0.59441
[66] validation_0-auc:0.59438
[67] validation_0-auc:0.59535
[68] validation_0-auc:0.59547
[69] validation_0-auc:0.59596
[70] validation_0-auc:0.59638
[71] validation_0-auc:0.59641
[72] validation_0-auc:0.59626
[73] validation_0-auc:0.59635
[74] validation_0-auc:0.59671
[75] validation_0-auc:0.59667
[76] validation_0-auc:0.59672
[77] validation_0-auc:0.59684
[78] validation_0-auc:0.59751
[79] validation_0-auc:0.59759
[80] validation_0-auc:0.59754
[81] validation_0-auc:0.59836
[82] validation_0-auc:0.59903
[83] validation_0-auc:0.59940
[84] validation_0-auc:0.59976
[85] validation_0-auc:0.60061
[86] validation_0-auc:0.60100
[87] validation_0-auc:0.60142
[88] validation_0-auc:0.60139
[89] validation_0-auc:0.60140
[90] validation_0-auc:0.60147
[91] validation_0-auc:0.60140
[92] validation_0-auc:0.60147
[93] validation_0-auc:0.60161
[94] validation_0-auc:0.60168
[95] validation_0-auc:0.60179
[96] validation_0-auc:0.60179

[97] validation_0-auc:0.60181
[98] validation_0-auc:0.60232
[99] validation_0-auc:0.60272
[100] validation_0-auc:0.60290
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[105] validation_0-auc:0.60431
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[112] validation_0-auc:0.60524
[113] validation_0-auc:0.60586
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[115] validation_0-auc:0.60604
[116] validation_0-auc:0.60605
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[136] validation_0-auc:0.60771
[137] validation_0-auc:0.60769
[138] validation_0-auc:0.60808
[139] validation_0-auc:0.60838
[140] validation_0-auc:0.60845
[141] validation_0-auc:0.60852
[142] validation_0-auc:0.60863
[143] validation_0-auc:0.60868
[144] validation_0-auc:0.60882

[145] validation_0-auc:0.60882
[146] validation_0-auc:0.60915
[147] validation_0-auc:0.60920
[148] validation_0-auc:0.60931
[149] validation_0-auc:0.60921
[150] validation_0-auc:0.60969
[151] validation_0-auc:0.60962
[152] validation_0-auc:0.60960
[153] validation_0-auc:0.60950
[154] validation_0-auc:0.60946
[155] validation_0-auc:0.60953
[156] validation_0-auc:0.60958
[157] validation_0-auc:0.60965
[158] validation_0-auc:0.60958
[159] validation_0-auc:0.60940
[160] validation_0-auc:0.60951

Stopping. Best iteration:

[150] validation_0-auc:0.60969

[0] validation_0-auc:0.52853

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.54432
[2] validation_0-auc:0.54892
[3] validation_0-auc:0.55319
[4] validation_0-auc:0.55656
[5] validation_0-auc:0.55842
[6] validation_0-auc:0.56002
[7] validation_0-auc:0.56029
[8] validation_0-auc:0.56408
[9] validation_0-auc:0.56485
[10] validation_0-auc:0.56594
[11] validation_0-auc:0.56778
[12] validation_0-auc:0.56849
[13] validation_0-auc:0.56968
[14] validation_0-auc:0.57127
[15] validation_0-auc:0.57214
[16] validation_0-auc:0.57283
[17] validation_0-auc:0.57435
[18] validation_0-auc:0.57462
[19] validation_0-auc:0.57520
[20] validation_0-auc:0.57831
[21] validation_0-auc:0.57941
[22] validation_0-auc:0.58054
[23] validation_0-auc:0.58143
[24] validation_0-auc:0.58274
[25] validation_0-auc:0.58360
[26] validation_0-auc:0.58388
[27] validation_0-auc:0.58482

[28] validation_0-auc:0.58492
[29] validation_0-auc:0.58584
[30] validation_0-auc:0.58608
[31] validation_0-auc:0.58643
[32] validation_0-auc:0.58653
[33] validation_0-auc:0.58688
[34] validation_0-auc:0.58676
[35] validation_0-auc:0.58739
[36] validation_0-auc:0.58742
[37] validation_0-auc:0.58725
[38] validation_0-auc:0.58797
[39] validation_0-auc:0.58791
[40] validation_0-auc:0.58793
[41] validation_0-auc:0.58829
[42] validation_0-auc:0.58857
[43] validation_0-auc:0.59016
[44] validation_0-auc:0.59074
[45] validation_0-auc:0.59120
[46] validation_0-auc:0.59166
[47] validation_0-auc:0.59177
[48] validation_0-auc:0.59184
[49] validation_0-auc:0.59335
[50] validation_0-auc:0.59338
[51] validation_0-auc:0.59323
[52] validation_0-auc:0.59368
[53] validation_0-auc:0.59380
[54] validation_0-auc:0.59426
[55] validation_0-auc:0.59420
[56] validation_0-auc:0.59444
[57] validation_0-auc:0.59442
[58] validation_0-auc:0.59459
[59] validation_0-auc:0.59544
[60] validation_0-auc:0.59527
[61] validation_0-auc:0.59527
[62] validation_0-auc:0.59534
[63] validation_0-auc:0.59552
[64] validation_0-auc:0.59572
[65] validation_0-auc:0.59644
[66] validation_0-auc:0.59631
[67] validation_0-auc:0.59648
[68] validation_0-auc:0.59629
[69] validation_0-auc:0.59626
[70] validation_0-auc:0.59624
[71] validation_0-auc:0.59635
[72] validation_0-auc:0.59614
[73] validation_0-auc:0.59629
[74] validation_0-auc:0.59634
[75] validation_0-auc:0.59614

```
[76]    validation_0-auc:0.59620
[77]    validation_0-auc:0.59618
Stopping. Best iteration:
[67]    validation_0-auc:0.59648

[0]    validation_0-auc:0.52610
Will train until validation_0-auc hasn't improved in 10 rounds.
[1]    validation_0-auc:0.53868
[2]    validation_0-auc:0.54310
[3]    validation_0-auc:0.54845
[4]    validation_0-auc:0.55261
[5]    validation_0-auc:0.55609
[6]    validation_0-auc:0.55736
[7]    validation_0-auc:0.55763
[8]    validation_0-auc:0.56144
[9]    validation_0-auc:0.56211
[10]   validation_0-auc:0.56349
[11]   validation_0-auc:0.56427
[12]   validation_0-auc:0.56456
[13]   validation_0-auc:0.56550
[14]   validation_0-auc:0.56660
[15]   validation_0-auc:0.56741
[16]   validation_0-auc:0.56825
[17]   validation_0-auc:0.57058
[18]   validation_0-auc:0.57099
[19]   validation_0-auc:0.57169
[20]   validation_0-auc:0.57513
[21]   validation_0-auc:0.57580
[22]   validation_0-auc:0.57693
[23]   validation_0-auc:0.57780
[24]   validation_0-auc:0.57874
[25]   validation_0-auc:0.57887
[26]   validation_0-auc:0.57969
[27]   validation_0-auc:0.58032
[28]   validation_0-auc:0.58030
[29]   validation_0-auc:0.58085
[30]   validation_0-auc:0.58154
[31]   validation_0-auc:0.58160
[32]   validation_0-auc:0.58172
[33]   validation_0-auc:0.58229
[34]   validation_0-auc:0.58247
[35]   validation_0-auc:0.58303
[36]   validation_0-auc:0.58317
[37]   validation_0-auc:0.58295
[38]   validation_0-auc:0.58362
[39]   validation_0-auc:0.58412
[40]   validation_0-auc:0.58441
[41]   validation_0-auc:0.58537
```

[42] validation_0-auc:0.58576
[43] validation_0-auc:0.58664
[44] validation_0-auc:0.58711
[45] validation_0-auc:0.58739
[46] validation_0-auc:0.58749
[47] validation_0-auc:0.58714
[48] validation_0-auc:0.58727
[49] validation_0-auc:0.58845
[50] validation_0-auc:0.58837
[51] validation_0-auc:0.58853
[52] validation_0-auc:0.58863
[53] validation_0-auc:0.58866
[54] validation_0-auc:0.58911
[55] validation_0-auc:0.59022
[56] validation_0-auc:0.59059
[57] validation_0-auc:0.59066
[58] validation_0-auc:0.59057
[59] validation_0-auc:0.59118
[60] validation_0-auc:0.59112
[61] validation_0-auc:0.59107
[62] validation_0-auc:0.59123
[63] validation_0-auc:0.59140
[64] validation_0-auc:0.59180
[65] validation_0-auc:0.59249
[66] validation_0-auc:0.59371
[67] validation_0-auc:0.59392
[68] validation_0-auc:0.59406
[69] validation_0-auc:0.59398
[70] validation_0-auc:0.59436
[71] validation_0-auc:0.59421
[72] validation_0-auc:0.59423
[73] validation_0-auc:0.59431
[74] validation_0-auc:0.59466
[75] validation_0-auc:0.59455
[76] validation_0-auc:0.59454
[77] validation_0-auc:0.59464
[78] validation_0-auc:0.59495
[79] validation_0-auc:0.59503
[80] validation_0-auc:0.59491
[81] validation_0-auc:0.59505
[82] validation_0-auc:0.59543
[83] validation_0-auc:0.59536
[84] validation_0-auc:0.59579
[85] validation_0-auc:0.59662
[86] validation_0-auc:0.59674
[87] validation_0-auc:0.59760
[88] validation_0-auc:0.59761
[89] validation_0-auc:0.59759

[90] validation_0-auc:0.59773
[91] validation_0-auc:0.59771
[92] validation_0-auc:0.59787
[93] validation_0-auc:0.59789
[94] validation_0-auc:0.59837
[95] validation_0-auc:0.59822
[96] validation_0-auc:0.59823
[97] validation_0-auc:0.59840
[98] validation_0-auc:0.59856
[99] validation_0-auc:0.59857
[100] validation_0-auc:0.59870
[101] validation_0-auc:0.59879
[102] validation_0-auc:0.59908
[103] validation_0-auc:0.59903
[104] validation_0-auc:0.59897
[105] validation_0-auc:0.59890
[106] validation_0-auc:0.59892
[107] validation_0-auc:0.59936
[108] validation_0-auc:0.59932
[109] validation_0-auc:0.59967
[110] validation_0-auc:0.60012
[111] validation_0-auc:0.60016
[112] validation_0-auc:0.60024
[113] validation_0-auc:0.60038
[114] validation_0-auc:0.60032
[115] validation_0-auc:0.60039
[116] validation_0-auc:0.60045
[117] validation_0-auc:0.60038
[118] validation_0-auc:0.60026
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[120] validation_0-auc:0.60054
[121] validation_0-auc:0.60054
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[123] validation_0-auc:0.60064
[124] validation_0-auc:0.60069
[125] validation_0-auc:0.60062
[126] validation_0-auc:0.60068
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[130] validation_0-auc:0.60165
[131] validation_0-auc:0.60157
[132] validation_0-auc:0.60159
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[134] validation_0-auc:0.60186
[135] validation_0-auc:0.60194
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[139] validation_0-auc:0.60241
[140] validation_0-auc:0.60274
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[142] validation_0-auc:0.60300
[143] validation_0-auc:0.60319
[144] validation_0-auc:0.60309
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[147] validation_0-auc:0.60368
[148] validation_0-auc:0.60370
[149] validation_0-auc:0.60370
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[159] validation_0-auc:0.60422
[160] validation_0-auc:0.60425
[161] validation_0-auc:0.60433
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[163] validation_0-auc:0.60438
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[170] validation_0-auc:0.60473
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[176] validation_0-auc:0.60639
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[178] validation_0-auc:0.60643
[179] validation_0-auc:0.60656
[180] validation_0-auc:0.60661
[181] validation_0-auc:0.60665
[182] validation_0-auc:0.60664
[183] validation_0-auc:0.60671
[184] validation_0-auc:0.60694
[185] validation_0-auc:0.60704

[186] validation_0-auc:0.60700
[187] validation_0-auc:0.60711
[188] validation_0-auc:0.60737
[189] validation_0-auc:0.60749
[190] validation_0-auc:0.60749
[191] validation_0-auc:0.60748
[192] validation_0-auc:0.60745
[193] validation_0-auc:0.60754
[194] validation_0-auc:0.60758
[195] validation_0-auc:0.60781
[196] validation_0-auc:0.60794
[197] validation_0-auc:0.60808
[198] validation_0-auc:0.60837
[199] validation_0-auc:0.60838
[200] validation_0-auc:0.60826
[201] validation_0-auc:0.60831
[202] validation_0-auc:0.60822
[203] validation_0-auc:0.60811
[204] validation_0-auc:0.60826
[205] validation_0-auc:0.60813
[206] validation_0-auc:0.60840
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[210] validation_0-auc:0.60848
[211] validation_0-auc:0.60852
[212] validation_0-auc:0.60872
[213] validation_0-auc:0.60921
[214] validation_0-auc:0.60926
[215] validation_0-auc:0.60921
[216] validation_0-auc:0.60938
[217] validation_0-auc:0.60943
[218] validation_0-auc:0.60953
[219] validation_0-auc:0.60962
[220] validation_0-auc:0.60966
[221] validation_0-auc:0.60974
[222] validation_0-auc:0.60970
[223] validation_0-auc:0.60974
[224] validation_0-auc:0.61010
[225] validation_0-auc:0.60999
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[227] validation_0-auc:0.60984
[228] validation_0-auc:0.60990
[229] validation_0-auc:0.60991
[230] validation_0-auc:0.61001
[231] validation_0-auc:0.61004
[232] validation_0-auc:0.61004
[233] validation_0-auc:0.61009

[234] validation_0-auc:0.61017
[235] validation_0-auc:0.61026
[236] validation_0-auc:0.61022
[237] validation_0-auc:0.61018
[238] validation_0-auc:0.61019
[239] validation_0-auc:0.61029
[240] validation_0-auc:0.61033
[241] validation_0-auc:0.61047
[242] validation_0-auc:0.61047
[243] validation_0-auc:0.61055
[244] validation_0-auc:0.61050
[245] validation_0-auc:0.61044
[246] validation_0-auc:0.61045
[247] validation_0-auc:0.61040
[248] validation_0-auc:0.61041
[249] validation_0-auc:0.61039
[250] validation_0-auc:0.61046
[251] validation_0-auc:0.61047
[252] validation_0-auc:0.61051
[253] validation_0-auc:0.61059
[254] validation_0-auc:0.61080
[255] validation_0-auc:0.61072
[256] validation_0-auc:0.61091
[257] validation_0-auc:0.61080
[258] validation_0-auc:0.61094
[259] validation_0-auc:0.61094
[260] validation_0-auc:0.61108
[261] validation_0-auc:0.61100
[262] validation_0-auc:0.61104
[263] validation_0-auc:0.61108
[264] validation_0-auc:0.61117
[265] validation_0-auc:0.61120
[266] validation_0-auc:0.61123
[267] validation_0-auc:0.61135
[268] validation_0-auc:0.61147
[269] validation_0-auc:0.61153
[270] validation_0-auc:0.61146
[271] validation_0-auc:0.61162
[272] validation_0-auc:0.61173
[273] validation_0-auc:0.61182
[274] validation_0-auc:0.61209
[275] validation_0-auc:0.61206
[276] validation_0-auc:0.61212
[277] validation_0-auc:0.61211
[278] validation_0-auc:0.61231
[279] validation_0-auc:0.61242
[280] validation_0-auc:0.61240
[281] validation_0-auc:0.61240

[282] validation_0-auc:0.61248
[283] validation_0-auc:0.61244
[284] validation_0-auc:0.61286
[285] validation_0-auc:0.61284
[286] validation_0-auc:0.61284
[287] validation_0-auc:0.61289
[288] validation_0-auc:0.61293
[289] validation_0-auc:0.61287
[290] validation_0-auc:0.61295
[291] validation_0-auc:0.61298
[292] validation_0-auc:0.61301
[293] validation_0-auc:0.61292
[294] validation_0-auc:0.61289
[295] validation_0-auc:0.61289
[296] validation_0-auc:0.61303
[297] validation_0-auc:0.61302
[298] validation_0-auc:0.61300
[299] validation_0-auc:0.61301
[300] validation_0-auc:0.61309
[301] validation_0-auc:0.61312
[302] validation_0-auc:0.61305
[303] validation_0-auc:0.61309
[304] validation_0-auc:0.61307
[305] validation_0-auc:0.61320
[306] validation_0-auc:0.61344
[307] validation_0-auc:0.61346
[308] validation_0-auc:0.61337
[309] validation_0-auc:0.61344
[310] validation_0-auc:0.61391
[311] validation_0-auc:0.61397
[312] validation_0-auc:0.61403
[313] validation_0-auc:0.61409
[314] validation_0-auc:0.61423
[315] validation_0-auc:0.61429
[316] validation_0-auc:0.61433
[317] validation_0-auc:0.61436
[318] validation_0-auc:0.61439
[319] validation_0-auc:0.61441
[320] validation_0-auc:0.61450
[321] validation_0-auc:0.61461
[322] validation_0-auc:0.61461
[323] validation_0-auc:0.61475
[324] validation_0-auc:0.61484
[325] validation_0-auc:0.61496
[326] validation_0-auc:0.61498
[327] validation_0-auc:0.61501
[328] validation_0-auc:0.61503
[329] validation_0-auc:0.61501

[330] validation_0-auc:0.61506
[331] validation_0-auc:0.61507
[332] validation_0-auc:0.61514
[333] validation_0-auc:0.61519
[334] validation_0-auc:0.61531
[335] validation_0-auc:0.61536
[336] validation_0-auc:0.61549
[337] validation_0-auc:0.61550
[338] validation_0-auc:0.61547
[339] validation_0-auc:0.61554
[340] validation_0-auc:0.61554
[341] validation_0-auc:0.61556
[342] validation_0-auc:0.61554
[343] validation_0-auc:0.61556
[344] validation_0-auc:0.61553
[345] validation_0-auc:0.61555
[346] validation_0-auc:0.61557
[347] validation_0-auc:0.61550
[348] validation_0-auc:0.61561
[349] validation_0-auc:0.61555
[350] validation_0-auc:0.61554
[351] validation_0-auc:0.61552
[352] validation_0-auc:0.61562
[353] validation_0-auc:0.61562
[354] validation_0-auc:0.61573
[355] validation_0-auc:0.61572
[356] validation_0-auc:0.61567
[357] validation_0-auc:0.61564
[358] validation_0-auc:0.61561
[359] validation_0-auc:0.61556
[360] validation_0-auc:0.61572
[361] validation_0-auc:0.61576
[362] validation_0-auc:0.61588
[363] validation_0-auc:0.61616
[364] validation_0-auc:0.61624
[365] validation_0-auc:0.61639
[366] validation_0-auc:0.61639
[367] validation_0-auc:0.61659
[368] validation_0-auc:0.61656
[369] validation_0-auc:0.61650
[370] validation_0-auc:0.61653
[371] validation_0-auc:0.61651
[372] validation_0-auc:0.61642
[373] validation_0-auc:0.61642
[374] validation_0-auc:0.61641
[375] validation_0-auc:0.61638
[376] validation_0-auc:0.61634
[377] validation_0-auc:0.61641

Stopping. Best iteration:

[367] validation_0-auc:0.61659

[0] validation_0-auc:0.52890

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.54028

[2] validation_0-auc:0.54521

[3] validation_0-auc:0.55063

[4] validation_0-auc:0.55424

[5] validation_0-auc:0.55613

[6] validation_0-auc:0.55739

[7] validation_0-auc:0.55857

[8] validation_0-auc:0.56136

[9] validation_0-auc:0.56239

[10] validation_0-auc:0.56417

[11] validation_0-auc:0.56524

[12] validation_0-auc:0.56604

[13] validation_0-auc:0.56695

[14] validation_0-auc:0.56898

[15] validation_0-auc:0.57088

[16] validation_0-auc:0.57126

[17] validation_0-auc:0.57204

[18] validation_0-auc:0.57244

[19] validation_0-auc:0.57247

[20] validation_0-auc:0.57493

[21] validation_0-auc:0.57537

[22] validation_0-auc:0.57581

[23] validation_0-auc:0.57605

[24] validation_0-auc:0.57759

[25] validation_0-auc:0.57843

[26] validation_0-auc:0.57887

[27] validation_0-auc:0.57988

[28] validation_0-auc:0.58008

[29] validation_0-auc:0.58044

[30] validation_0-auc:0.58052

[31] validation_0-auc:0.58041

[32] validation_0-auc:0.58100

[33] validation_0-auc:0.58174

[34] validation_0-auc:0.58173

[35] validation_0-auc:0.58222

[36] validation_0-auc:0.58225

[37] validation_0-auc:0.58218

[38] validation_0-auc:0.58279

[39] validation_0-auc:0.58354

[40] validation_0-auc:0.58380

[41] validation_0-auc:0.58509

[42] validation_0-auc:0.58543

[43] validation_0-auc:0.58588

[44] validation_0-auc:0.58573
[45] validation_0-auc:0.58694
[46] validation_0-auc:0.58733
[47] validation_0-auc:0.58714
[48] validation_0-auc:0.58744
[49] validation_0-auc:0.58799
[50] validation_0-auc:0.58806
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[593] validation_0-auc:0.62467
[594] validation_0-auc:0.62466
[595] validation_0-auc:0.62470
[596] validation_0-auc:0.62479
[597] validation_0-auc:0.62477
[598] validation_0-auc:0.62478
[599] validation_0-auc:0.62471
[600] validation_0-auc:0.62471
[601] validation_0-auc:0.62474
[602] validation_0-auc:0.62475
[603] validation_0-auc:0.62479
[604] validation_0-auc:0.62482
[605] validation_0-auc:0.62484
[606] validation_0-auc:0.62484
[607] validation_0-auc:0.62484
[608] validation_0-auc:0.62481
[609] validation_0-auc:0.62479
[610] validation_0-auc:0.62482
[611] validation_0-auc:0.62487
[612] validation_0-auc:0.62485
[613] validation_0-auc:0.62489
[614] validation_0-auc:0.62489
[615] validation_0-auc:0.62490
[616] validation_0-auc:0.62491
[617] validation_0-auc:0.62490
[618] validation_0-auc:0.62485
[619] validation_0-auc:0.62485

[620] validation_0-auc:0.62486
[621] validation_0-auc:0.62487
[622] validation_0-auc:0.62487
[623] validation_0-auc:0.62489
[624] validation_0-auc:0.62486
[625] validation_0-auc:0.62484
[626] validation_0-auc:0.62485
Stopping. Best iteration:
[616] validation_0-auc:0.62491

[0] validation_0-auc:0.52716
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53731
[2] validation_0-auc:0.54332
[3] validation_0-auc:0.54974
[4] validation_0-auc:0.55276
[5] validation_0-auc:0.55424
[6] validation_0-auc:0.55561
[7] validation_0-auc:0.55723
[8] validation_0-auc:0.56062
[9] validation_0-auc:0.56146
[10] validation_0-auc:0.56301
[11] validation_0-auc:0.56368
[12] validation_0-auc:0.56376
[13] validation_0-auc:0.56554
[14] validation_0-auc:0.56796
[15] validation_0-auc:0.56803
[16] validation_0-auc:0.56970
[17] validation_0-auc:0.57064
[18] validation_0-auc:0.57132
[19] validation_0-auc:0.57211
[20] validation_0-auc:0.57255
[21] validation_0-auc:0.57276
[22] validation_0-auc:0.57478
[23] validation_0-auc:0.57506
[24] validation_0-auc:0.57650
[25] validation_0-auc:0.57680
[26] validation_0-auc:0.57798
[27] validation_0-auc:0.57857
[28] validation_0-auc:0.57862
[29] validation_0-auc:0.57905
[30] validation_0-auc:0.57937
[31] validation_0-auc:0.57947
[32] validation_0-auc:0.57978
[33] validation_0-auc:0.58093
[34] validation_0-auc:0.58109
[35] validation_0-auc:0.58153
[36] validation_0-auc:0.58193

[37] validation_0-auc:0.58175
[38] validation_0-auc:0.58233
[39] validation_0-auc:0.58291
[40] validation_0-auc:0.58292
[41] validation_0-auc:0.58352
[42] validation_0-auc:0.58374
[43] validation_0-auc:0.58427
[44] validation_0-auc:0.58466
[45] validation_0-auc:0.58512
[46] validation_0-auc:0.58530
[47] validation_0-auc:0.58513
[48] validation_0-auc:0.58496
[49] validation_0-auc:0.58515
[50] validation_0-auc:0.58533
[51] validation_0-auc:0.58577
[52] validation_0-auc:0.58647
[53] validation_0-auc:0.58656
[54] validation_0-auc:0.58686
[55] validation_0-auc:0.58773
[56] validation_0-auc:0.58788
[57] validation_0-auc:0.58761
[58] validation_0-auc:0.58796
[59] validation_0-auc:0.58830
[60] validation_0-auc:0.58828
[61] validation_0-auc:0.58846
[62] validation_0-auc:0.58852
[63] validation_0-auc:0.58869
[64] validation_0-auc:0.58858
[65] validation_0-auc:0.58872
[66] validation_0-auc:0.58873
[67] validation_0-auc:0.58917
[68] validation_0-auc:0.58942
[69] validation_0-auc:0.58947
[70] validation_0-auc:0.59045
[71] validation_0-auc:0.59056
[72] validation_0-auc:0.59050
[73] validation_0-auc:0.59061
[74] validation_0-auc:0.59203
[75] validation_0-auc:0.59196
[76] validation_0-auc:0.59180
[77] validation_0-auc:0.59162
[78] validation_0-auc:0.59239
[79] validation_0-auc:0.59229
[80] validation_0-auc:0.59252
[81] validation_0-auc:0.59251
[82] validation_0-auc:0.59275
[83] validation_0-auc:0.59325
[84] validation_0-auc:0.59378

[85] validation_0-auc:0.59411
[86] validation_0-auc:0.59428
[87] validation_0-auc:0.59437
[88] validation_0-auc:0.59489
[89] validation_0-auc:0.59520
[90] validation_0-auc:0.59529
[91] validation_0-auc:0.59556
[92] validation_0-auc:0.59554
[93] validation_0-auc:0.59594
[94] validation_0-auc:0.59651
[95] validation_0-auc:0.59699
[96] validation_0-auc:0.59717
[97] validation_0-auc:0.59713
[98] validation_0-auc:0.59710
[99] validation_0-auc:0.59767
[100] validation_0-auc:0.59773
[101] validation_0-auc:0.59784
[102] validation_0-auc:0.59805
[103] validation_0-auc:0.59797
[104] validation_0-auc:0.59792
[105] validation_0-auc:0.59785
[106] validation_0-auc:0.59788
[107] validation_0-auc:0.59810
[108] validation_0-auc:0.59824
[109] validation_0-auc:0.59840
[110] validation_0-auc:0.59867
[111] validation_0-auc:0.59881
[112] validation_0-auc:0.59901
[113] validation_0-auc:0.59897
[114] validation_0-auc:0.59899
[115] validation_0-auc:0.59912
[116] validation_0-auc:0.59912
[117] validation_0-auc:0.59899
[118] validation_0-auc:0.59897
[119] validation_0-auc:0.59901
[120] validation_0-auc:0.59943
[121] validation_0-auc:0.59968
[122] validation_0-auc:0.59976
[123] validation_0-auc:0.59974
[124] validation_0-auc:0.59991
[125] validation_0-auc:0.59989
[126] validation_0-auc:0.60006
[127] validation_0-auc:0.60001
[128] validation_0-auc:0.60003
[129] validation_0-auc:0.60012
[130] validation_0-auc:0.60027
[131] validation_0-auc:0.60024
[132] validation_0-auc:0.60037

[133] validation_0-auc:0.60066
[134] validation_0-auc:0.60079
[135] validation_0-auc:0.60079
[136] validation_0-auc:0.60100
[137] validation_0-auc:0.60106
[138] validation_0-auc:0.60109
[139] validation_0-auc:0.60145
[140] validation_0-auc:0.60177
[141] validation_0-auc:0.60214
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[152] validation_0-auc:0.60322
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[155] validation_0-auc:0.60333
[156] validation_0-auc:0.60319
[157] validation_0-auc:0.60325
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[161] validation_0-auc:0.60339
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[166] validation_0-auc:0.60342
[167] validation_0-auc:0.60347
[168] validation_0-auc:0.60370
[169] validation_0-auc:0.60373
[170] validation_0-auc:0.60371
[171] validation_0-auc:0.60384
[172] validation_0-auc:0.60408
[173] validation_0-auc:0.60416
[174] validation_0-auc:0.60423
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[178] validation_0-auc:0.60453
[179] validation_0-auc:0.60478
[180] validation_0-auc:0.60490

[181] validation_0-auc:0.60487
[182] validation_0-auc:0.60529
[183] validation_0-auc:0.60520
[184] validation_0-auc:0.60520
[185] validation_0-auc:0.60516
[186] validation_0-auc:0.60539
[187] validation_0-auc:0.60587
[188] validation_0-auc:0.60580
[189] validation_0-auc:0.60597
[190] validation_0-auc:0.60606
[191] validation_0-auc:0.60618
[192] validation_0-auc:0.60640
[193] validation_0-auc:0.60649
[194] validation_0-auc:0.60643
[195] validation_0-auc:0.60648
[196] validation_0-auc:0.60649
[197] validation_0-auc:0.60660
[198] validation_0-auc:0.60659
[199] validation_0-auc:0.60682
[200] validation_0-auc:0.60687
[201] validation_0-auc:0.60678
[202] validation_0-auc:0.60688
[203] validation_0-auc:0.60684
[204] validation_0-auc:0.60698
[205] validation_0-auc:0.60716
[206] validation_0-auc:0.60728
[207] validation_0-auc:0.60736
[208] validation_0-auc:0.60736
[209] validation_0-auc:0.60745
[210] validation_0-auc:0.60747
[211] validation_0-auc:0.60749
[212] validation_0-auc:0.60749
[213] validation_0-auc:0.60789
[214] validation_0-auc:0.60789
[215] validation_0-auc:0.60810
[216] validation_0-auc:0.60811
[217] validation_0-auc:0.60817
[218] validation_0-auc:0.60825
[219] validation_0-auc:0.60830
[220] validation_0-auc:0.60845
[221] validation_0-auc:0.60849
[222] validation_0-auc:0.60842
[223] validation_0-auc:0.60836
[224] validation_0-auc:0.60854
[225] validation_0-auc:0.60854
[226] validation_0-auc:0.60859
[227] validation_0-auc:0.60855
[228] validation_0-auc:0.60868

[229] validation_0-auc:0.60864
[230] validation_0-auc:0.60866
[231] validation_0-auc:0.60870
[232] validation_0-auc:0.60863
[233] validation_0-auc:0.60886
[234] validation_0-auc:0.60884
[235] validation_0-auc:0.60883
[236] validation_0-auc:0.60891
[237] validation_0-auc:0.60889
[238] validation_0-auc:0.60889
[239] validation_0-auc:0.60893
[240] validation_0-auc:0.60896
[241] validation_0-auc:0.60907
[242] validation_0-auc:0.60916
[243] validation_0-auc:0.60905
[244] validation_0-auc:0.60904
[245] validation_0-auc:0.60906
[246] validation_0-auc:0.60899
[247] validation_0-auc:0.60891
[248] validation_0-auc:0.60892
[249] validation_0-auc:0.60890
[250] validation_0-auc:0.60925
[251] validation_0-auc:0.60919
[252] validation_0-auc:0.60936
[253] validation_0-auc:0.60934
[254] validation_0-auc:0.60940
[255] validation_0-auc:0.60942
[256] validation_0-auc:0.60937
[257] validation_0-auc:0.60955
[258] validation_0-auc:0.60963
[259] validation_0-auc:0.60960
[260] validation_0-auc:0.60970
[261] validation_0-auc:0.60968
[262] validation_0-auc:0.60973
[263] validation_0-auc:0.60969
[264] validation_0-auc:0.60974
[265] validation_0-auc:0.60976
[266] validation_0-auc:0.60982
[267] validation_0-auc:0.60979
[268] validation_0-auc:0.60986
[269] validation_0-auc:0.60987
[270] validation_0-auc:0.60984
[271] validation_0-auc:0.60988
[272] validation_0-auc:0.60992
[273] validation_0-auc:0.60998
[274] validation_0-auc:0.60993
[275] validation_0-auc:0.60990
[276] validation_0-auc:0.60996

[277] validation_0-auc:0.61011
[278] validation_0-auc:0.61041
[279] validation_0-auc:0.61051
[280] validation_0-auc:0.61056
[281] validation_0-auc:0.61065
[282] validation_0-auc:0.61067
[283] validation_0-auc:0.61064
[284] validation_0-auc:0.61069
[285] validation_0-auc:0.61066
[286] validation_0-auc:0.61066
[287] validation_0-auc:0.61089
[288] validation_0-auc:0.61097
[289] validation_0-auc:0.61096
[290] validation_0-auc:0.61091
[291] validation_0-auc:0.61088
[292] validation_0-auc:0.61085
[293] validation_0-auc:0.61101
[294] validation_0-auc:0.61099
[295] validation_0-auc:0.61128
[296] validation_0-auc:0.61151
[297] validation_0-auc:0.61161
[298] validation_0-auc:0.61163
[299] validation_0-auc:0.61163
[300] validation_0-auc:0.61165
[301] validation_0-auc:0.61169
[302] validation_0-auc:0.61170
[303] validation_0-auc:0.61181
[304] validation_0-auc:0.61188
[305] validation_0-auc:0.61197
[306] validation_0-auc:0.61203
[307] validation_0-auc:0.61202
[308] validation_0-auc:0.61206
[309] validation_0-auc:0.61208
[310] validation_0-auc:0.61216
[311] validation_0-auc:0.61206
[312] validation_0-auc:0.61205
[313] validation_0-auc:0.61210
[314] validation_0-auc:0.61216
[315] validation_0-auc:0.61224
[316] validation_0-auc:0.61230
[317] validation_0-auc:0.61248
[318] validation_0-auc:0.61250
[319] validation_0-auc:0.61241
[320] validation_0-auc:0.61254
[321] validation_0-auc:0.61251
[322] validation_0-auc:0.61253
[323] validation_0-auc:0.61260
[324] validation_0-auc:0.61274

[325] validation_0-auc:0.61291
[326] validation_0-auc:0.61298
[327] validation_0-auc:0.61303
[328] validation_0-auc:0.61308
[329] validation_0-auc:0.61304
[330] validation_0-auc:0.61308
[331] validation_0-auc:0.61308
[332] validation_0-auc:0.61309
[333] validation_0-auc:0.61307
[334] validation_0-auc:0.61311
[335] validation_0-auc:0.61308
[336] validation_0-auc:0.61306
[337] validation_0-auc:0.61307
[338] validation_0-auc:0.61306
[339] validation_0-auc:0.61313
[340] validation_0-auc:0.61312
[341] validation_0-auc:0.61316
[342] validation_0-auc:0.61333
[343] validation_0-auc:0.61331
[344] validation_0-auc:0.61336
[345] validation_0-auc:0.61328
[346] validation_0-auc:0.61336
[347] validation_0-auc:0.61330
[348] validation_0-auc:0.61336
[349] validation_0-auc:0.61327
[350] validation_0-auc:0.61333
[351] validation_0-auc:0.61335
[352] validation_0-auc:0.61336
[353] validation_0-auc:0.61339
[354] validation_0-auc:0.61336
[355] validation_0-auc:0.61331
[356] validation_0-auc:0.61332
[357] validation_0-auc:0.61333
[358] validation_0-auc:0.61342
[359] validation_0-auc:0.61347
[360] validation_0-auc:0.61345
[361] validation_0-auc:0.61342
[362] validation_0-auc:0.61364
[363] validation_0-auc:0.61386
[364] validation_0-auc:0.61385
[365] validation_0-auc:0.61416
[366] validation_0-auc:0.61408
[367] validation_0-auc:0.61412
[368] validation_0-auc:0.61415
[369] validation_0-auc:0.61413
[370] validation_0-auc:0.61420
[371] validation_0-auc:0.61428
[372] validation_0-auc:0.61435

[373] validation_0-auc:0.61437
[374] validation_0-auc:0.61446
[375] validation_0-auc:0.61436
[376] validation_0-auc:0.61445
[377] validation_0-auc:0.61450
[378] validation_0-auc:0.61450
[379] validation_0-auc:0.61450
[380] validation_0-auc:0.61443
[381] validation_0-auc:0.61441
[382] validation_0-auc:0.61445
[383] validation_0-auc:0.61450
[384] validation_0-auc:0.61449
[385] validation_0-auc:0.61446
[386] validation_0-auc:0.61445
[387] validation_0-auc:0.61445
[388] validation_0-auc:0.61441

Stopping. Best iteration:

[378] validation_0-auc:0.61450

[0] validation_0-auc:0.52322

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53037
[2] validation_0-auc:0.53318
[3] validation_0-auc:0.53432
[4] validation_0-auc:0.53439
[5] validation_0-auc:0.53592
[6] validation_0-auc:0.53609
[7] validation_0-auc:0.53605
[8] validation_0-auc:0.53627
[9] validation_0-auc:0.53637
[10] validation_0-auc:0.53630
[11] validation_0-auc:0.53760
[12] validation_0-auc:0.53818
[13] validation_0-auc:0.53831
[14] validation_0-auc:0.53847
[15] validation_0-auc:0.53867
[16] validation_0-auc:0.53882
[17] validation_0-auc:0.53930
[18] validation_0-auc:0.53934
[19] validation_0-auc:0.53942
[20] validation_0-auc:0.53973
[21] validation_0-auc:0.53993
[22] validation_0-auc:0.53995
[23] validation_0-auc:0.54006
[24] validation_0-auc:0.54010
[25] validation_0-auc:0.53998
[26] validation_0-auc:0.54007
[27] validation_0-auc:0.54018

[28] validation_0-auc:0.54011
[29] validation_0-auc:0.54034
[30] validation_0-auc:0.54028
[31] validation_0-auc:0.54049
[32] validation_0-auc:0.54051
[33] validation_0-auc:0.54041
[34] validation_0-auc:0.54045
[35] validation_0-auc:0.54050
[36] validation_0-auc:0.54042
[37] validation_0-auc:0.54049
[38] validation_0-auc:0.54063
[39] validation_0-auc:0.54080
[40] validation_0-auc:0.54071
[41] validation_0-auc:0.54090
[42] validation_0-auc:0.54100
[43] validation_0-auc:0.54099
[44] validation_0-auc:0.54106
[45] validation_0-auc:0.54119
[46] validation_0-auc:0.54122
[47] validation_0-auc:0.54136
[48] validation_0-auc:0.54131
[49] validation_0-auc:0.54123
[50] validation_0-auc:0.54131
[51] validation_0-auc:0.54137
[52] validation_0-auc:0.54155
[53] validation_0-auc:0.54155
[54] validation_0-auc:0.54151
[55] validation_0-auc:0.54155
[56] validation_0-auc:0.54152
[57] validation_0-auc:0.54156
[58] validation_0-auc:0.54157
[59] validation_0-auc:0.54167
[60] validation_0-auc:0.54170
[61] validation_0-auc:0.54164
[62] validation_0-auc:0.54163
[63] validation_0-auc:0.54161
[64] validation_0-auc:0.54162
[65] validation_0-auc:0.54165
[66] validation_0-auc:0.54167
[67] validation_0-auc:0.54181
[68] validation_0-auc:0.54177
[69] validation_0-auc:0.54173
[70] validation_0-auc:0.54184
[71] validation_0-auc:0.54188
[72] validation_0-auc:0.54194
[73] validation_0-auc:0.54200
[74] validation_0-auc:0.54200
[75] validation_0-auc:0.54197

[76] validation_0-auc:0.54200
[77] validation_0-auc:0.54203
[78] validation_0-auc:0.54203
[79] validation_0-auc:0.54203
[80] validation_0-auc:0.54203
[81] validation_0-auc:0.54201
[82] validation_0-auc:0.54198
[83] validation_0-auc:0.54205
[84] validation_0-auc:0.54208
[85] validation_0-auc:0.54214
[86] validation_0-auc:0.54222
[87] validation_0-auc:0.54226
[88] validation_0-auc:0.54222
[89] validation_0-auc:0.54230
[90] validation_0-auc:0.54238
[91] validation_0-auc:0.54238
[92] validation_0-auc:0.54240
[93] validation_0-auc:0.54239
[94] validation_0-auc:0.54241
[95] validation_0-auc:0.54238
[96] validation_0-auc:0.54237
[97] validation_0-auc:0.54238
[98] validation_0-auc:0.54246
[99] validation_0-auc:0.54259
[100] validation_0-auc:0.54260
[101] validation_0-auc:0.54264
[102] validation_0-auc:0.54264
[103] validation_0-auc:0.54267
[104] validation_0-auc:0.54268
[105] validation_0-auc:0.54266
[106] validation_0-auc:0.54270
[107] validation_0-auc:0.54281
[108] validation_0-auc:0.54285
[109] validation_0-auc:0.54286
[110] validation_0-auc:0.54289
[111] validation_0-auc:0.54290
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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[599] validation_0-auc:0.55108
[0] validation_0-auc:0.52292

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53036
[2] validation_0-auc:0.53190
[3] validation_0-auc:0.53293
[4] validation_0-auc:0.53470
[5] validation_0-auc:0.53667
[6] validation_0-auc:0.53692
[7] validation_0-auc:0.53696
[8] validation_0-auc:0.53716
[9] validation_0-auc:0.53780
[10] validation_0-auc:0.53782
[11] validation_0-auc:0.53780
[12] validation_0-auc:0.53778
[13] validation_0-auc:0.53800
[14] validation_0-auc:0.53810
[15] validation_0-auc:0.53800
[16] validation_0-auc:0.53812
[17] validation_0-auc:0.53825
[18] validation_0-auc:0.53828
[19] validation_0-auc:0.53829
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[23] validation_0-auc:0.53966

[24] validation_0-auc:0.53975
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[26] validation_0-auc:0.53990
[27] validation_0-auc:0.53990
[28] validation_0-auc:0.53977
[29] validation_0-auc:0.54004
[30] validation_0-auc:0.54003
[31] validation_0-auc:0.54006
[32] validation_0-auc:0.54002
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[40] validation_0-auc:0.53995
[41] validation_0-auc:0.54023
[42] validation_0-auc:0.54021
[43] validation_0-auc:0.54014
[44] validation_0-auc:0.54018
[45] validation_0-auc:0.54019
[46] validation_0-auc:0.54019
[47] validation_0-auc:0.54031
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[49] validation_0-auc:0.54037
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[61] validation_0-auc:0.54041
[62] validation_0-auc:0.54033
[63] validation_0-auc:0.54043
[64] validation_0-auc:0.54040
[65] validation_0-auc:0.54052

Stopping. Best iteration:

[55] validation_0-auc:0.54061

[0] validation_0-auc:0.52322

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53037

[2] validation_0-auc:0.53318
[3] validation_0-auc:0.53432
[4] validation_0-auc:0.53439
[5] validation_0-auc:0.53592
[6] validation_0-auc:0.53609
[7] validation_0-auc:0.53605
[8] validation_0-auc:0.53627
[9] validation_0-auc:0.53637
[10] validation_0-auc:0.53630
[11] validation_0-auc:0.53760
[12] validation_0-auc:0.53818
[13] validation_0-auc:0.53831
[14] validation_0-auc:0.53847
[15] validation_0-auc:0.53867
[16] validation_0-auc:0.53882
[17] validation_0-auc:0.53930
[18] validation_0-auc:0.53934
[19] validation_0-auc:0.53942
[20] validation_0-auc:0.53973
[21] validation_0-auc:0.53993
[22] validation_0-auc:0.53995
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[24] validation_0-auc:0.54010
[25] validation_0-auc:0.53998
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[27] validation_0-auc:0.54018
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[30] validation_0-auc:0.54028
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53036
[2] validation_0-auc:0.53190
[3] validation_0-auc:0.53293
[4] validation_0-auc:0.53470
[5] validation_0-auc:0.53667
[6] validation_0-auc:0.53692
[7] validation_0-auc:0.53696
[8] validation_0-auc:0.53716
[9] validation_0-auc:0.53780
[10] validation_0-auc:0.53782
[11] validation_0-auc:0.53780
[12] validation_0-auc:0.53778
[13] validation_0-auc:0.53800
[14] validation_0-auc:0.53810
[15] validation_0-auc:0.53800
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[18] validation_0-auc:0.53828
[19] validation_0-auc:0.53829
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[21] validation_0-auc:0.53889
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[24] validation_0-auc:0.53975
[25] validation_0-auc:0.53992
[26] validation_0-auc:0.53990
[27] validation_0-auc:0.53990
[28] validation_0-auc:0.53977
[29] validation_0-auc:0.54004

[30] validation_0-auc:0.54003
[31] validation_0-auc:0.54006
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[62] validation_0-auc:0.54033
[63] validation_0-auc:0.54043
[64] validation_0-auc:0.54040
[65] validation_0-auc:0.54052

Stopping. Best iteration:

[55] validation_0-auc:0.54061

[0] validation_0-auc:0.52322

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53037
[2] validation_0-auc:0.53318
[3] validation_0-auc:0.53432
[4] validation_0-auc:0.53439
[5] validation_0-auc:0.53592
[6] validation_0-auc:0.53609
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[8] validation_0-auc:0.53627
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[16] validation_0-auc:0.53882
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Will train until validation_0-auc hasn't improved in 10 rounds.

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[4] validation_0-auc:0.53509
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Will train until validation_0-auc hasn't improved in 10 rounds.
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[58] validation_0-auc:0.54049
[59] validation_0-auc:0.54050
[60] validation_0-auc:0.54043
[61] validation_0-auc:0.54041
[62] validation_0-auc:0.54033
[63] validation_0-auc:0.54043
[64] validation_0-auc:0.54040
[65] validation_0-auc:0.54052
Stopping. Best iteration:
[55] validation_0-auc:0.54061

[0] validation_0-auc:0.52507
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53788
[2] validation_0-auc:0.54221
[3] validation_0-auc:0.54643
[4] validation_0-auc:0.54832
[5] validation_0-auc:0.55046
[6] validation_0-auc:0.55204
[7] validation_0-auc:0.55286
[8] validation_0-auc:0.55488
[9] validation_0-auc:0.55541
[10] validation_0-auc:0.55615
[11] validation_0-auc:0.55797
[12] validation_0-auc:0.55905
[13] validation_0-auc:0.55968
[14] validation_0-auc:0.56012
[15] validation_0-auc:0.56019
[16] validation_0-auc:0.56028
[17] validation_0-auc:0.56130
[18] validation_0-auc:0.56158
[19] validation_0-auc:0.56209
[20] validation_0-auc:0.56310
[21] validation_0-auc:0.56369
[22] validation_0-auc:0.56382
[23] validation_0-auc:0.56408
[24] validation_0-auc:0.56418
[25] validation_0-auc:0.56442
[26] validation_0-auc:0.56464
[27] validation_0-auc:0.56487
[28] validation_0-auc:0.56487
[29] validation_0-auc:0.56551

[30] validation_0-auc:0.56566
[31] validation_0-auc:0.56585
[32] validation_0-auc:0.56596
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[34] validation_0-auc:0.56658
[35] validation_0-auc:0.56696
[36] validation_0-auc:0.56691
[37] validation_0-auc:0.56682
[38] validation_0-auc:0.56709
[39] validation_0-auc:0.56737
[40] validation_0-auc:0.56734
[41] validation_0-auc:0.56822
[42] validation_0-auc:0.56837
[43] validation_0-auc:0.56861
[44] validation_0-auc:0.56853
[45] validation_0-auc:0.56871
[46] validation_0-auc:0.56873
[47] validation_0-auc:0.56884
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[66] validation_0-auc:0.57051
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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[439] validation_0-auc:0.61576
[440] validation_0-auc:0.61574
[441] validation_0-auc:0.61578
[442] validation_0-auc:0.61575
Stopping. Best iteration:
[432] validation_0-auc:0.61584

[0] validation_0-auc:0.52610
Will train until validation_0-auc hasn't improved in 10 rounds.
[1] validation_0-auc:0.53878
[2] validation_0-auc:0.54343
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[4] validation_0-auc:0.55419
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[9] validation_0-auc:0.56205
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[16] validation_0-auc:0.56928
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[19] validation_0-auc:0.57265
[20] validation_0-auc:0.57563
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Stopping. Best iteration:

[432] validation_0-auc:0.61584

[0] validation_0-auc:0.52610

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53878

[2] validation_0-auc:0.54343

[3] validation_0-auc:0.54959

[4] validation_0-auc:0.55419
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Stopping. Best iteration:

[432] validation_0-auc:0.61584

[0] validation_0-auc:0.52610

Will train until validation_0-auc hasn't improved in 10 rounds.

[1] validation_0-auc:0.53878
[2] validation_0-auc:0.54343
[3] validation_0-auc:0.54959
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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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Will train until validation_0-auc hasn't improved in 10 rounds.

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[963] validation_0-auc:0.65424
[964] validation_0-auc:0.65424
[965] validation_0-auc:0.65424

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[973] validation_0-auc:0.65450
[974] validation_0-auc:0.65451
[975] validation_0-auc:0.65462
[976] validation_0-auc:0.65465
[977] validation_0-auc:0.65468
[978] validation_0-auc:0.65473
[979] validation_0-auc:0.65472
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[998] validation_0-auc:0.65514
[999] validation_0-auc:0.65515
[1000] validation_0-auc:0.65516
[1001] validation_0-auc:0.65517
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[1009] validation_0-auc:0.65547
[1010] validation_0-auc:0.65546
[1011] validation_0-auc:0.65548
[1012] validation_0-auc:0.65550
[1013] validation_0-auc:0.65549

```

[1014] validation_0-auc:0.65550
[1015] validation_0-auc:0.65549
[1016] validation_0-auc:0.65553
[1017] validation_0-auc:0.65556
[1018] validation_0-auc:0.65559
[1019] validation_0-auc:0.65554
[1020] validation_0-auc:0.65569
[1021] validation_0-auc:0.65575
[1022] validation_0-auc:0.65576
[1023] validation_0-auc:0.65575
[1024] validation_0-auc:0.65572
[1025] validation_0-auc:0.65572
[1026] validation_0-auc:0.65577
[1027] validation_0-auc:0.65579
[1028] validation_0-auc:0.65576
[1029] validation_0-auc:0.65581
[1030] validation_0-auc:0.65582
[1031] validation_0-auc:0.65586
[1032] validation_0-auc:0.65587
[1033] validation_0-auc:0.65589
[1034] validation_0-auc:0.65589
[1035] validation_0-auc:0.65598
[1036] validation_0-auc:0.65605
[1037] validation_0-auc:0.65604
[1038] validation_0-auc:0.65602
[1039] validation_0-auc:0.65602
[1040] validation_0-auc:0.65603
[1041] validation_0-auc:0.65604
[1042] validation_0-auc:0.65604
[1043] validation_0-auc:0.65604
[1044] validation_0-auc:0.65603
[1045] validation_0-auc:0.65602
[1046] validation_0-auc:0.65600
Stopping. Best iteration:
[1036] validation_0-auc:0.65605

```

```

[26]: GridSearchCV(estimator=XGBClassifier(base_score=None, booster=None,
      colsample_bylevel=None,
      colsample_bynode=None,
      colsample_bytree=0.5, gamma=None,
      gpu_id=None, importance_type='gain',
      interaction_constraints=None,
      learning_rate=None, max_delta_step=None,
      max_depth=None, min_child_weight=None,
      missing=-999, monotone_constraints=None,
      n_estimators=100, n_jobs=None,

```



```

num_parallel_tree=None, random_state=None,
reg_alpha=None, reg_lambda=None,
scale_pos_weight=None, subsample=0.5,
tree_method='gpu_hist',
validate_parameters=None, verbosity=None),
param_grid={'learning_rate': [0.01, 0.05, 0.005],
            'max_depth': [6, 11, 15],
            'n_estimators': [600, 1000, 1200]},
scoring='roc_auc')

```

```
[27]: print(optimal_param.best_params_)
```

```
{'learning_rate': 0.01, 'max_depth': 15, 'n_estimators': 1200}
```

Now we will use the optimized parameters to train our model

```
[14]: clf_xgb = xgb.XGBClassifier(objective='binary:logistic', missing=-999,
                                n_estimators=1200,
                                tree_method='gpu_hist',
                                max_depth=15,
                                learning_rate=0.01,
                                subsample=0.50,
                                colsample_bytree=0.50)
```

```
[15]: clf_xgb.fit(X_train, Y_train, verbose=True, early_stopping_rounds=40,
                  eval_metric='auc', eval_set=[(X_val, Y_val)])
```

```

[0]    validation_0-auc:0.53137
Will train until validation_0-auc hasn't improved in 40 rounds.
[1]    validation_0-auc:0.54330
[2]    validation_0-auc:0.54910
[3]    validation_0-auc:0.55580
[4]    validation_0-auc:0.55956
[5]    validation_0-auc:0.56141
[6]    validation_0-auc:0.56366
[7]    validation_0-auc:0.56494
[8]    validation_0-auc:0.56675
[9]    validation_0-auc:0.56773
[10]   validation_0-auc:0.56872
[11]   validation_0-auc:0.57123
[12]   validation_0-auc:0.57281
[13]   validation_0-auc:0.57392
[14]   validation_0-auc:0.57533
[15]   validation_0-auc:0.57570
[16]   validation_0-auc:0.57692
[17]   validation_0-auc:0.57790
[18]   validation_0-auc:0.57799
[19]   validation_0-auc:0.57940
[20]   validation_0-auc:0.58070

```

[21] validation_0-auc:0.58161
[22] validation_0-auc:0.58219
[23] validation_0-auc:0.58227
[24] validation_0-auc:0.58338
[25] validation_0-auc:0.58377
[26] validation_0-auc:0.58429
[27] validation_0-auc:0.58477
[28] validation_0-auc:0.58516
[29] validation_0-auc:0.58607
[30] validation_0-auc:0.58665
[31] validation_0-auc:0.58689
[32] validation_0-auc:0.58714
[33] validation_0-auc:0.58774
[34] validation_0-auc:0.58908
[35] validation_0-auc:0.58931
[36] validation_0-auc:0.58958
[37] validation_0-auc:0.58964
[38] validation_0-auc:0.59035
[39] validation_0-auc:0.59088
[40] validation_0-auc:0.59095
[41] validation_0-auc:0.59190
[42] validation_0-auc:0.59215
[43] validation_0-auc:0.59257
[44] validation_0-auc:0.59272
[45] validation_0-auc:0.59349
[46] validation_0-auc:0.59365
[47] validation_0-auc:0.59400
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[49] validation_0-auc:0.59440
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[51] validation_0-auc:0.59474
[52] validation_0-auc:0.59530
[53] validation_0-auc:0.59536
[54] validation_0-auc:0.59579
[55] validation_0-auc:0.59613
[56] validation_0-auc:0.59643
[57] validation_0-auc:0.59654
[58] validation_0-auc:0.59728
[59] validation_0-auc:0.59758
[60] validation_0-auc:0.59775
[61] validation_0-auc:0.59789
[62] validation_0-auc:0.59848
[63] validation_0-auc:0.59869
[64] validation_0-auc:0.59868
[65] validation_0-auc:0.59891
[66] validation_0-auc:0.59925
[67] validation_0-auc:0.60016
[68] validation_0-auc:0.59991

[69] validation_0-auc:0.59997
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[71] validation_0-auc:0.60036
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[76] validation_0-auc:0.60118
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[82] validation_0-auc:0.60198
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[111] validation_0-auc:0.60646
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[115] validation_0-auc:0.60793
[116] validation_0-auc:0.60810

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[118] validation_0-auc:0.60827
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[164] validation_0-auc:0.61419

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[166] validation_0-auc:0.61427
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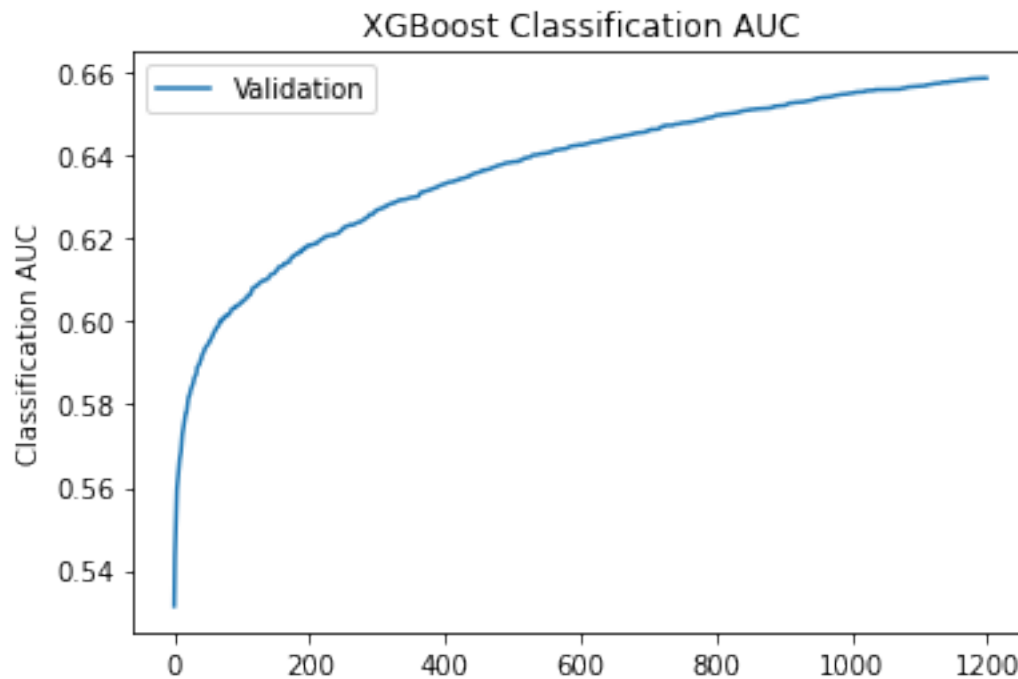
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[1172] validation_0-auc:0.65854


```
[26]: import matplotlib.pyplot as plt
fig, ax = plt.subplots()
ax.plot(x_axis, results['validation_0']['auc'], label='Validation')
ax.legend()
plt.ylabel('Classification AUC')
plt.title('XGBoost Classification AUC')
plt.show()
```



We can use the classification report from sklearn to get better grasp on our result. We will later use this report and compare with the reports generated by other models.

```
[17]: print(classification_report(Y_test, Y_prediction_xgb))
print("Accuracy: ", accuracy_score(Y_test, Y_prediction_xgb))
```

	precision	recall	f1-score	support
0.0	0.61	0.58	0.59	245475
1.0	0.60	0.63	0.62	249847
accuracy			0.60	495322
macro avg	0.60	0.60	0.60	495322
weighted avg	0.60	0.60	0.60	495322

Accuracy: 0.6039445047867852

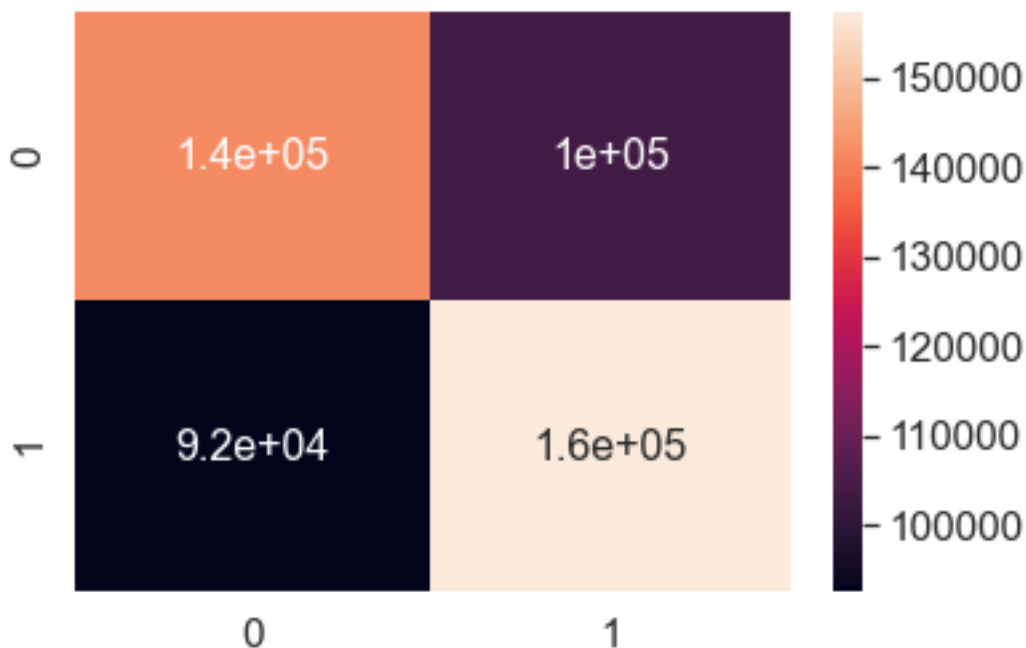
Confusion matrix:

```
[27]: cm_xgb = confusion_matrix(Y_test, Y_prediction_xgb)
      print(cm_xgb)
```

```
[[141775 103700]
 [ 92475 157372]]
```

```
[31]: df_xgb = pd.DataFrame(cm_xgb)
      # plt.figure(figsize=(10,7))
      sn.set(font_scale=1.4) # for label size
      sn.heatmap(df_xgb, annot=True, annot_kws={"size": 16}) # font size

      plt.show()
```



2.3 1-LAYER LOGISTIC REGRESSION

Lets import all the additional necessary files for logistic regression. We will be using keras from tensorflow to train and predict our data.

```
[102]: import tensorflow as tf
      from tensorflow import keras
      from tensorflow.keras import layers
      from tensorflow.keras.models import Sequential
      from tensorflow.keras.layers import Dense, Dropout
      from tensorflow.keras.wrappers.scikit_learn import KerasClassifier
      from tensorflow.keras.optimizers import Adam
      from sklearn.model_selection import GridSearchCV
```

As we did with the XGBoost, we want Keras to use our GPU to speed up the process.

```
[14]: print("Num GPUs Available: ", len(tf.config.experimental.  
    ↳list_physical_devices('GPU')))  
print(tf.test.is_built_with_cuda())  
tf.config.experimental.list_physical_devices('GPU')
```

```
Num GPUs Available:  1  
True
```

```
[14]: [PhysicalDevice(name='/physical_device:GPU:0', device_type='GPU')]
```

When we trained our model, the model would eat up RAM around epoch 40. After searching, we found multiple user having the same memory leak issue with the current version of TensorFlow.

To solve this, we will override the `on_epoch_end` method from Callback and call garbage collector (<https://github.com/tensorflow/tensorflow/issues/31312#issuecomment-575989061>).

```
[103]: import gc  
  
class MyCustomCallback(tf.keras.callbacks.Callback):  
    def on_epoch_end(self, epoch, logs=None):  
        gc.collect()
```

We will define model compilation function below.

Params:

Optimizer: we will use the famous Adam's optimization

Loss: Our loss will be a goto crossentropy for classification problem

Metrics: We will use AUC similar to our XGBoost model.

```
[105]: def create_logreg(learning_rate):  
    model = Sequential()  
    model.add(layers.Dense(1, activation='sigmoid', input_dim=X_test.shape[1]))  
    adam = Adam(lr = learning_rate)  
    model.compile(loss = 'binary_crossentropy', optimizer = adam, metrics = [  
    ↳keras.metrics.AUC()])  
    return model
```

We will be optimizing two parameters. One is the epoch and other the learning rate

```
[106]: learning_rate = [0.001,0.01,0.1]  
epochs = [200, 500, 700]  
  
# Make a dictionary of the grid search parameters  
  
param_grids = dict(learning_rate = learning_rate, epochs = epochs)
```

The tuning process take more than couple of hours so we will opt in to tune only on a subset of data points

```
[107]: _, X, _, Y = train_test_split(X_train, Y_train, random_state=42,
↳stratify=Y_train, test_size=100000)
_, XV, _, YV = train_test_split(X_val, Y_val, random_state=42, stratify=Y_val,
↳test_size=10000)
print(X_train.shape)
print(XV)
```

```
(1114473, 130)
```

	feature_0	feature_1	feature_2	feature_3	feature_4	feature_5	\
1443193	1	2.124105	2.595731	0.565603	0.542857	0.806013	
2299115	1	0.304758	-0.510592	1.712782	1.116600	2.703415	
793553	1	-1.539891	-0.930878	-1.307022	-2.004653	-0.090047	
1791516	1	4.528518	6.747968	6.610035	9.306442	4.700708	
2004897	1	5.357403	5.165113	0.329744	0.225852	-0.197230	
...	
373553	-1	-3.172026	-3.093182	-0.165169	-0.147700	0.111067	
112978	-1	0.542836	0.136016	-1.890687	-1.571971	-0.394900	
1436113	-1	1.531181	1.134198	1.566484	1.249566	-0.166393	
933041	-1	3.082041	2.001337	2.256222	1.548064	2.049763	
1369669	-1	1.857934	0.294725	-4.618245	-2.846806	-3.642617	

	feature_6	feature_7	feature_8	feature_9	...	feature_120	\
1443193	0.838892	0.475452	0.591277	0.986865	...	0.176034	
2299115	1.980052	2.298024	1.989143	2.469933	...	2.589818	
793553	-0.122038	-999.000000	-999.000000	-1.687727	...	-2.573046	
1791516	6.355409	0.884958	1.490958	2.174517	...	1.552866	
2004897	-0.161044	1.549499	1.641481	3.337338	...	0.187264	
...	
373553	0.095074	-1.371032	-1.605397	-0.727523	...	0.110100	
112978	-0.307214	-999.000000	-999.000000	0.135308	...	1.090916	
1436113	-0.133216	-999.000000	-999.000000	2.389620	...	-999.000000	
933041	1.444663	-0.649751	-0.635528	3.192836	...	1.927056	
1369669	-2.189500	-1.816897	-1.413165	-0.080148	...	-0.626379	

	feature_121	feature_122	feature_123	feature_124	feature_125	\
1443193	-1.930400	0.096258	-1.541245	0.627358	-0.741513	
2299115	-0.411519	3.965414	0.730484	2.619059	-0.177837	
793553	-1.498413	-3.317188	-1.799997	-2.079177	-1.087481	
1791516	4.153996	0.098836	0.361963	1.168802	3.684239	
2004897	-0.958066	0.699525	0.050214	0.164668	-1.139795	
...	
373553	0.272059	-0.222437	-0.728483	0.072085	0.102303	
112978	4.253887	-0.149943	0.510071	0.826787	3.913716	
1436113	-999.000000	3.954390	1.975244	2.617264	1.414156	
933041	-1.451470	2.846646	-0.160657	2.303704	-0.650555	
1369669	-1.933873	-1.313768	-2.491433	-0.426975	-1.572665	

feature_126	feature_127	feature_128	feature_129
-------------	-------------	-------------	-------------

1443193	0.589462	-1.083205	0.083189	-1.508255
2299115	4.067211	0.145198	4.221034	0.531406
793553	-3.724056	-0.744337	-3.505124	-1.118392
1791516	2.095537	3.488831	0.965748	1.740404
2004897	0.463610	-0.520046	0.708984	-0.084418
...
373553	0.400140	0.476589	0.049128	-0.113371
112978	0.488255	1.890057	0.080129	0.958941
1436113	4.072548	1.388723	4.375434	1.866944
933041	3.427498	-0.350540	3.104156	-0.282906
1369669	-0.866169	-1.504701	-1.452075	-2.254359

[10000 rows x 130 columns]

We will tune the model using gridsearch

```
[108]: clf_logreg = KerasClassifier(build_fn = create_logreg,verbose = 1)
grid = GridSearchCV(estimator = clf_logreg, param_grid = param_grids,verbose = 1,
    ↳10, scoring='roc_auc')
grid_result = grid.fit(X, Y, batch_size=300, shuffle=True, validation_data=(XV,
    ↳YV), callbacks=[MyCustomCallback()])
```

Fitting 5 folds for each of 9 candidates, totalling 45 fits

[CV] epochs=200, learning_rate=0.001 ...

[Parallel(n_jobs=1)]: Using backend SequentialBackend with 1 concurrent workers.

Epoch 1/200

267/267 [=====] - 2s 7ms/step - loss: 8.0652 - auc_71: 0.5083 - val_loss: 1.4699 - val_auc_71: 0.5068

Epoch 2/200

267/267 [=====] - 1s 3ms/step - loss: 1.1024 - auc_71: 0.5099 - val_loss: 1.0883 - val_auc_71: 0.5110

Epoch 3/200

267/267 [=====] - 1s 3ms/step - loss: 1.0162 - auc_71: 0.5117 - val_loss: 1.0913 - val_auc_71: 0.5101

Epoch 4/200

267/267 [=====] - 1s 3ms/step - loss: 0.9826 - auc_71: 0.5115 - val_loss: 1.0888 - val_auc_71: 0.5057

Epoch 5/200

267/267 [=====] - 1s 3ms/step - loss: 0.9645 - auc_71: 0.5107 - val_loss: 1.0524 - val_auc_71: 0.5094

Epoch 6/200

267/267 [=====] - 1s 3ms/step - loss: 0.9477 - auc_71: 0.5096 - val_loss: 1.2103 - val_auc_71: 0.5062

Epoch 7/200

267/267 [=====] - 1s 3ms/step - loss: 0.9408 - auc_71: 0.5119 - val_loss: 0.9486 - val_auc_71: 0.5117

Epoch 8/200

267/267 [=====] - 1s 3ms/step - loss: 0.9192 - auc_71:
0.5122 - val_loss: 0.9902 - val_auc_71: 0.5157
Epoch 9/200
267/267 [=====] - 1s 3ms/step - loss: 0.9246 - auc_71:
0.5116 - val_loss: 0.9482 - val_auc_71: 0.5086
Epoch 10/200
267/267 [=====] - 1s 3ms/step - loss: 0.8988 - auc_71:
0.5096 - val_loss: 0.9088 - val_auc_71: 0.5134
Epoch 11/200
267/267 [=====] - 1s 3ms/step - loss: 0.9193 - auc_71:
0.5120 - val_loss: 0.9675 - val_auc_71: 0.5068
Epoch 12/200
267/267 [=====] - 1s 3ms/step - loss: 0.9296 - auc_71:
0.5131 - val_loss: 0.9623 - val_auc_71: 0.5074
Epoch 13/200
267/267 [=====] - 1s 3ms/step - loss: 0.9135 - auc_71:
0.5129 - val_loss: 0.9013 - val_auc_71: 0.5110
Epoch 14/200
267/267 [=====] - 1s 3ms/step - loss: 0.8914 - auc_71:
0.5128 - val_loss: 0.9315 - val_auc_71: 0.5067
Epoch 15/200
267/267 [=====] - 1s 3ms/step - loss: 0.9182 - auc_71:
0.5106 - val_loss: 1.0751 - val_auc_71: 0.5110
Epoch 16/200
267/267 [=====] - 1s 3ms/step - loss: 0.8980 - auc_71:
0.5116 - val_loss: 0.8984 - val_auc_71: 0.5129
Epoch 17/200
267/267 [=====] - 1s 3ms/step - loss: 0.8911 - auc_71:
0.5120 - val_loss: 0.8820 - val_auc_71: 0.5088
Epoch 18/200
267/267 [=====] - 1s 3ms/step - loss: 0.8892 - auc_71:
0.5139 - val_loss: 0.9111 - val_auc_71: 0.5062
Epoch 19/200
267/267 [=====] - 1s 3ms/step - loss: 0.8912 - auc_71:
0.5115 - val_loss: 0.8568 - val_auc_71: 0.5102
Epoch 20/200
267/267 [=====] - 1s 3ms/step - loss: 0.8711 - auc_71:
0.5131 - val_loss: 0.9349 - val_auc_71: 0.5105
Epoch 21/200
267/267 [=====] - 1s 3ms/step - loss: 0.8826 - auc_71:
0.5113 - val_loss: 1.1565 - val_auc_71: 0.5058
Epoch 22/200
267/267 [=====] - 1s 3ms/step - loss: 0.8591 - auc_71:
0.5120 - val_loss: 0.9910 - val_auc_71: 0.5091
Epoch 23/200
267/267 [=====] - 1s 3ms/step - loss: 0.8572 - auc_71:
0.5126 - val_loss: 0.8765 - val_auc_71: 0.5144
Epoch 24/200

267/267 [=====] - 1s 3ms/step - loss: 0.8587 - auc_71:
0.5123 - val_loss: 0.9192 - val_auc_71: 0.5087
Epoch 25/200
267/267 [=====] - 1s 3ms/step - loss: 0.8740 - auc_71:
0.5144 - val_loss: 0.9153 - val_auc_71: 0.5080
Epoch 26/200
267/267 [=====] - 1s 3ms/step - loss: 0.8911 - auc_71:
0.5133 - val_loss: 0.8461 - val_auc_71: 0.5112
Epoch 27/200
267/267 [=====] - 1s 3ms/step - loss: 0.8526 - auc_71:
0.5133 - val_loss: 0.8945 - val_auc_71: 0.5073
Epoch 28/200
267/267 [=====] - 1s 3ms/step - loss: 0.8582 - auc_71:
0.5135 - val_loss: 0.8992 - val_auc_71: 0.5146
Epoch 29/200
267/267 [=====] - 1s 3ms/step - loss: 0.8741 - auc_71:
0.5116 - val_loss: 0.8220 - val_auc_71: 0.5104
Epoch 30/200
267/267 [=====] - 1s 3ms/step - loss: 0.8817 - auc_71:
0.5134 - val_loss: 0.8434 - val_auc_71: 0.5130
Epoch 31/200
267/267 [=====] - 1s 3ms/step - loss: 0.8393 - auc_71:
0.5128 - val_loss: 0.8303 - val_auc_71: 0.5145
Epoch 32/200
267/267 [=====] - 1s 3ms/step - loss: 0.8716 - auc_71:
0.5148 - val_loss: 0.9129 - val_auc_71: 0.5078
Epoch 33/200
267/267 [=====] - 1s 3ms/step - loss: 0.8801 - auc_71:
0.5136 - val_loss: 0.8498 - val_auc_71: 0.5121
Epoch 34/200
267/267 [=====] - 1s 3ms/step - loss: 0.8666 - auc_71:
0.5145 - val_loss: 0.8637 - val_auc_71: 0.5079
Epoch 35/200
267/267 [=====] - 1s 3ms/step - loss: 0.8521 - auc_71:
0.5135 - val_loss: 0.9650 - val_auc_71: 0.5107
Epoch 36/200
267/267 [=====] - 1s 3ms/step - loss: 0.8404 - auc_71:
0.5130 - val_loss: 0.8703 - val_auc_71: 0.5114
Epoch 37/200
267/267 [=====] - 1s 3ms/step - loss: 0.8555 - auc_71:
0.5135 - val_loss: 0.8704 - val_auc_71: 0.5120
Epoch 38/200
267/267 [=====] - 1s 3ms/step - loss: 0.8425 - auc_71:
0.5121 - val_loss: 0.8105 - val_auc_71: 0.5129
Epoch 39/200
267/267 [=====] - 1s 3ms/step - loss: 0.8197 - auc_71:
0.5123 - val_loss: 0.8741 - val_auc_71: 0.5089
Epoch 40/200

267/267 [=====] - 1s 3ms/step - loss: 0.8308 - auc_71:
 0.5144 - val_loss: 0.9489 - val_auc_71: 0.5091
 Epoch 41/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8458 - auc_71:
 0.5131 - val_loss: 0.8686 - val_auc_71: 0.5112
 Epoch 42/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8381 - auc_71:
 0.5132 - val_loss: 0.8048 - val_auc_71: 0.5100
 Epoch 43/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8292 - auc_71:
 0.5132 - val_loss: 0.8779 - val_auc_71: 0.5094
 Epoch 44/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8171 - auc_71:
 0.5146 - val_loss: 0.8001 - val_auc_71: 0.5134
 Epoch 45/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8246 - auc_71:
 0.5137 - val_loss: 0.9530 - val_auc_71: 0.5127
 Epoch 46/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8270 - auc_71:
 0.5145 - val_loss: 1.0059 - val_auc_71: 0.5134
 Epoch 47/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8198 - auc_71:
 0.5144 - val_loss: 0.7944 - val_auc_71: 0.5162
 Epoch 48/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8510 - auc_71:
 0.5125 - val_loss: 0.7905 - val_auc_71: 0.5148
 Epoch 49/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8187 - auc_71:
 0.5130 - val_loss: 0.9248 - val_auc_71: 0.5150
 Epoch 50/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8343 - auc_71:
 0.5125 - val_loss: 0.8077 - val_auc_71: 0.5116
 Epoch 51/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8107 - auc_71:
 0.5145 - val_loss: 0.8973 - val_auc_71: 0.5150
 Epoch 52/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8412 - auc_71:
 0.5113 - val_loss: 0.8074 - val_auc_71: 0.5131
 Epoch 53/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8227 - auc_71:
 0.5139 - val_loss: 0.7939 - val_auc_71: 0.5170
 Epoch 54/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8221 - auc_71:
 0.5125 - val_loss: 0.7942 - val_auc_71: 0.5130
 Epoch 55/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8058 - auc_71:
 0.5160 - val_loss: 0.8107 - val_auc_71: 0.5113
 Epoch 56/200

267/267 [=====] - 1s 3ms/step - loss: 0.8185 - auc_71:
0.5151 - val_loss: 0.8340 - val_auc_71: 0.5155
Epoch 57/200
267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_71:
0.5112 - val_loss: 0.7999 - val_auc_71: 0.5132
Epoch 58/200
267/267 [=====] - 1s 3ms/step - loss: 0.8069 - auc_71:
0.5147 - val_loss: 0.8000 - val_auc_71: 0.5103
Epoch 59/200
267/267 [=====] - 1s 3ms/step - loss: 0.8105 - auc_71:
0.5139 - val_loss: 0.7593 - val_auc_71: 0.5124
Epoch 60/200
267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_71:
0.5125 - val_loss: 0.7496 - val_auc_71: 0.5109
Epoch 61/200
267/267 [=====] - 1s 3ms/step - loss: 0.7895 - auc_71:
0.5138 - val_loss: 0.8057 - val_auc_71: 0.5117
Epoch 62/200
267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_71:
0.5121 - val_loss: 0.7514 - val_auc_71: 0.5076
Epoch 63/200
267/267 [=====] - 1s 3ms/step - loss: 0.8241 - auc_71:
0.5113 - val_loss: 0.7777 - val_auc_71: 0.5111
Epoch 64/200
267/267 [=====] - 1s 3ms/step - loss: 0.8004 - auc_71:
0.5129 - val_loss: 0.8391 - val_auc_71: 0.5143
Epoch 65/200
267/267 [=====] - 1s 3ms/step - loss: 0.7937 - auc_71:
0.5142 - val_loss: 0.7717 - val_auc_71: 0.5164
Epoch 66/200
267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_71:
0.5139 - val_loss: 0.7788 - val_auc_71: 0.5113
Epoch 67/200
267/267 [=====] - 1s 3ms/step - loss: 0.8007 - auc_71:
0.5131 - val_loss: 0.7720 - val_auc_71: 0.5132
Epoch 68/200
267/267 [=====] - 1s 3ms/step - loss: 0.8029 - auc_71:
0.5129 - val_loss: 0.8772 - val_auc_71: 0.5105
Epoch 69/200
267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_71:
0.5103 - val_loss: 0.8315 - val_auc_71: 0.5106
Epoch 70/200
267/267 [=====] - 1s 3ms/step - loss: 0.7871 - auc_71:
0.5142 - val_loss: 0.7165 - val_auc_71: 0.5153
Epoch 71/200
267/267 [=====] - 1s 3ms/step - loss: 0.8100 - auc_71:
0.5149 - val_loss: 0.7498 - val_auc_71: 0.5102
Epoch 72/200

267/267 [=====] - 1s 3ms/step - loss: 0.7773 - auc_71:
0.5148 - val_loss: 0.7439 - val_auc_71: 0.5150
Epoch 73/200
267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_71:
0.5152 - val_loss: 0.7924 - val_auc_71: 0.5142
Epoch 74/200
267/267 [=====] - 1s 3ms/step - loss: 0.8075 - auc_71:
0.5139 - val_loss: 0.7567 - val_auc_71: 0.5172
Epoch 75/200
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_71:
0.5143 - val_loss: 0.7672 - val_auc_71: 0.5095
Epoch 76/200
267/267 [=====] - 1s 3ms/step - loss: 0.8158 - auc_71:
0.5153 - val_loss: 0.8149 - val_auc_71: 0.5171
Epoch 77/200
267/267 [=====] - 1s 3ms/step - loss: 0.8112 - auc_71:
0.5128 - val_loss: 0.8361 - val_auc_71: 0.5158
Epoch 78/200
267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_71:
0.5136 - val_loss: 0.7875 - val_auc_71: 0.5158
Epoch 79/200
267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_71:
0.5146 - val_loss: 0.7770 - val_auc_71: 0.5155
Epoch 80/200
267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_71:
0.5155 - val_loss: 0.7436 - val_auc_71: 0.5150
Epoch 81/200
267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_71:
0.5131 - val_loss: 0.8545 - val_auc_71: 0.5092
Epoch 82/200
267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_71:
0.5140 - val_loss: 0.8480 - val_auc_71: 0.5148
Epoch 83/200
267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_71:
0.5133 - val_loss: 0.7635 - val_auc_71: 0.5171
Epoch 84/200
267/267 [=====] - 1s 3ms/step - loss: 0.8087 - auc_71:
0.5149 - val_loss: 0.7756 - val_auc_71: 0.5143
Epoch 85/200
267/267 [=====] - 1s 3ms/step - loss: 0.8085 - auc_71:
0.5135 - val_loss: 0.7941 - val_auc_71: 0.5107
Epoch 86/200
267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_71:
0.5127 - val_loss: 0.7917 - val_auc_71: 0.5143
Epoch 87/200
267/267 [=====] - 1s 3ms/step - loss: 0.7957 - auc_71:
0.5130 - val_loss: 0.7980 - val_auc_71: 0.5088
Epoch 88/200

267/267 [=====] - 1s 3ms/step - loss: 0.7900 - auc_71:
 0.5153 - val_loss: 0.8425 - val_auc_71: 0.5163
 Epoch 89/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_71:
 0.5174 - val_loss: 0.8348 - val_auc_71: 0.5092
 Epoch 90/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8339 - auc_71:
 0.5118 - val_loss: 0.9986 - val_auc_71: 0.5144
 Epoch 91/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_71:
 0.5141 - val_loss: 0.7444 - val_auc_71: 0.5180
 Epoch 92/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7964 - auc_71:
 0.5123 - val_loss: 0.7469 - val_auc_71: 0.5147
 Epoch 93/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_71:
 0.5133 - val_loss: 0.7982 - val_auc_71: 0.5103
 Epoch 94/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_71:
 0.5126 - val_loss: 0.7382 - val_auc_71: 0.5189
 Epoch 95/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8060 - auc_71:
 0.5159 - val_loss: 0.7319 - val_auc_71: 0.5157
 Epoch 96/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_71:
 0.5168 - val_loss: 0.7188 - val_auc_71: 0.5183
 Epoch 97/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8080 - auc_71:
 0.5125 - val_loss: 0.8502 - val_auc_71: 0.5122
 Epoch 98/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_71:
 0.5142 - val_loss: 0.7246 - val_auc_71: 0.5153
 Epoch 99/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_71:
 0.5139 - val_loss: 0.7991 - val_auc_71: 0.5123
 Epoch 100/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7972 - auc_71:
 0.5141 - val_loss: 0.7398 - val_auc_71: 0.5165
 Epoch 101/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_71:
 0.5159 - val_loss: 0.7191 - val_auc_71: 0.5126
 Epoch 102/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7998 - auc_71:
 0.5151 - val_loss: 0.8024 - val_auc_71: 0.5155
 Epoch 103/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8103 - auc_71:
 0.5158 - val_loss: 0.7864 - val_auc_71: 0.5113
 Epoch 104/200

267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_71:
 0.5126 - val_loss: 0.7369 - val_auc_71: 0.5103
 Epoch 105/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_71:
 0.5129 - val_loss: 0.7979 - val_auc_71: 0.5159
 Epoch 106/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_71:
 0.5142 - val_loss: 0.8002 - val_auc_71: 0.5104
 Epoch 107/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_71:
 0.5155 - val_loss: 0.8358 - val_auc_71: 0.5152
 Epoch 108/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_71:
 0.5129 - val_loss: 0.7269 - val_auc_71: 0.5167
 Epoch 109/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_71:
 0.5148 - val_loss: 0.8080 - val_auc_71: 0.5159
 Epoch 110/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_71:
 0.5167 - val_loss: 0.7527 - val_auc_71: 0.5129
 Epoch 111/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8018 - auc_71:
 0.5140 - val_loss: 0.7634 - val_auc_71: 0.5137
 Epoch 112/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_71:
 0.5153 - val_loss: 0.7786 - val_auc_71: 0.5143
 Epoch 113/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7968 - auc_71:
 0.5127 - val_loss: 0.7733 - val_auc_71: 0.5178
 Epoch 114/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8173 - auc_71:
 0.5145 - val_loss: 0.8928 - val_auc_71: 0.5103
 Epoch 115/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_71:
 0.5146 - val_loss: 0.8284 - val_auc_71: 0.5110
 Epoch 116/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8115 - auc_71:
 0.5149 - val_loss: 0.8056 - val_auc_71: 0.5103
 Epoch 117/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_71:
 0.5142 - val_loss: 0.7843 - val_auc_71: 0.5161
 Epoch 118/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_71:
 0.5153 - val_loss: 0.7494 - val_auc_71: 0.5209
 Epoch 119/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_71:
 0.5134 - val_loss: 0.8207 - val_auc_71: 0.5127
 Epoch 120/200

267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_71:
 0.5130 - val_loss: 0.8334 - val_auc_71: 0.5124
 Epoch 121/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8021 - auc_71:
 0.5170 - val_loss: 0.7692 - val_auc_71: 0.5103
 Epoch 122/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_71:
 0.5136 - val_loss: 0.7986 - val_auc_71: 0.5145
 Epoch 123/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8031 - auc_71:
 0.5122 - val_loss: 0.7397 - val_auc_71: 0.5149
 Epoch 124/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7917 - auc_71:
 0.5145 - val_loss: 0.8260 - val_auc_71: 0.5111
 Epoch 125/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8003 - auc_71:
 0.5146 - val_loss: 0.7825 - val_auc_71: 0.5144
 Epoch 126/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8047 - auc_71:
 0.5135 - val_loss: 0.7868 - val_auc_71: 0.5145
 Epoch 127/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_71:
 0.5137 - val_loss: 0.7109 - val_auc_71: 0.5160
 Epoch 128/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_71:
 0.5155 - val_loss: 0.9769 - val_auc_71: 0.5184
 Epoch 129/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8043 - auc_71:
 0.5135 - val_loss: 0.7651 - val_auc_71: 0.5139
 Epoch 130/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_71:
 0.5156 - val_loss: 0.7340 - val_auc_71: 0.5186
 Epoch 131/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_71:
 0.5146 - val_loss: 0.8070 - val_auc_71: 0.5148
 Epoch 132/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_71:
 0.5145 - val_loss: 0.7895 - val_auc_71: 0.5130
 Epoch 133/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7984 - auc_71:
 0.5147 - val_loss: 0.9153 - val_auc_71: 0.5179
 Epoch 134/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7871 - auc_71:
 0.5156 - val_loss: 0.7691 - val_auc_71: 0.5200
 Epoch 135/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7917 - auc_71:
 0.5151 - val_loss: 0.7768 - val_auc_71: 0.5171
 Epoch 136/200

267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_71:
0.5151 - val_loss: 1.0477 - val_auc_71: 0.5171
Epoch 137/200
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_71:
0.5154 - val_loss: 0.7783 - val_auc_71: 0.5187
Epoch 138/200
267/267 [=====] - 1s 3ms/step - loss: 0.7978 - auc_71:
0.5147 - val_loss: 0.7625 - val_auc_71: 0.5134
Epoch 139/200
267/267 [=====] - 1s 3ms/step - loss: 0.8039 - auc_71:
0.5157 - val_loss: 0.8207 - val_auc_71: 0.5114
Epoch 140/200
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_71:
0.5165 - val_loss: 0.7700 - val_auc_71: 0.5216
Epoch 141/200
267/267 [=====] - 1s 3ms/step - loss: 0.7888 - auc_71:
0.5156 - val_loss: 0.8674 - val_auc_71: 0.5112
Epoch 142/200
267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_71:
0.5168 - val_loss: 0.8159 - val_auc_71: 0.5137
Epoch 143/200
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_71:
0.5125 - val_loss: 0.7470 - val_auc_71: 0.5181
Epoch 144/200
267/267 [=====] - 1s 3ms/step - loss: 0.8059 - auc_71:
0.5165 - val_loss: 0.7458 - val_auc_71: 0.5164
Epoch 145/200
267/267 [=====] - 1s 3ms/step - loss: 0.8042 - auc_71:
0.5153 - val_loss: 0.7593 - val_auc_71: 0.5115
Epoch 146/200
267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_71:
0.5160 - val_loss: 0.8779 - val_auc_71: 0.5189
Epoch 147/200
267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_71:
0.5147 - val_loss: 0.7568 - val_auc_71: 0.5182
Epoch 148/200
267/267 [=====] - 1s 3ms/step - loss: 0.7999 - auc_71:
0.5153 - val_loss: 0.8800 - val_auc_71: 0.5149
Epoch 149/200
267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_71:
0.5162 - val_loss: 0.8519 - val_auc_71: 0.5158
Epoch 150/200
267/267 [=====] - 1s 3ms/step - loss: 0.8032 - auc_71:
0.5145 - val_loss: 0.7749 - val_auc_71: 0.5179
Epoch 151/200
267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_71:
0.5165 - val_loss: 0.7943 - val_auc_71: 0.5153
Epoch 152/200

267/267 [=====] - 1s 3ms/step - loss: 0.7697 - auc_71:
0.5170 - val_loss: 0.7450 - val_auc_71: 0.5165
Epoch 153/200
267/267 [=====] - 1s 3ms/step - loss: 0.7976 - auc_71:
0.5161 - val_loss: 0.7374 - val_auc_71: 0.5198
Epoch 154/200
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_71:
0.5165 - val_loss: 0.9170 - val_auc_71: 0.5155
Epoch 155/200
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_71:
0.5148 - val_loss: 0.7715 - val_auc_71: 0.5191
Epoch 156/200
267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_71:
0.5171 - val_loss: 0.7658 - val_auc_71: 0.5151
Epoch 157/200
267/267 [=====] - 1s 3ms/step - loss: 0.7690 - auc_71:
0.5147 - val_loss: 0.7437 - val_auc_71: 0.5171
Epoch 158/200
267/267 [=====] - 1s 3ms/step - loss: 0.7670 - auc_71:
0.5170 - val_loss: 0.7890 - val_auc_71: 0.5152
Epoch 159/200
267/267 [=====] - 1s 3ms/step - loss: 0.7999 - auc_71:
0.5153 - val_loss: 0.7897 - val_auc_71: 0.5186
Epoch 160/200
267/267 [=====] - 1s 3ms/step - loss: 0.7592 - auc_71:
0.5184 - val_loss: 0.8415 - val_auc_71: 0.5185
Epoch 161/200
267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_71:
0.5151 - val_loss: 0.8022 - val_auc_71: 0.5140
Epoch 162/200
267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_71:
0.5153 - val_loss: 0.7612 - val_auc_71: 0.5097
Epoch 163/200
267/267 [=====] - 1s 3ms/step - loss: 0.7981 - auc_71:
0.5139 - val_loss: 0.8069 - val_auc_71: 0.5176
Epoch 164/200
267/267 [=====] - 1s 3ms/step - loss: 0.7662 - auc_71:
0.5163 - val_loss: 0.7755 - val_auc_71: 0.5196
Epoch 165/200
267/267 [=====] - 1s 3ms/step - loss: 0.7622 - auc_71:
0.5160 - val_loss: 0.8482 - val_auc_71: 0.5142
Epoch 166/200
267/267 [=====] - 1s 3ms/step - loss: 0.7919 - auc_71:
0.5153 - val_loss: 0.8350 - val_auc_71: 0.5179
Epoch 167/200
267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_71:
0.5171 - val_loss: 0.7780 - val_auc_71: 0.5222
Epoch 168/200

267/267 [=====] - 1s 3ms/step - loss: 0.7924 - auc_71:
 0.5173 - val_loss: 0.7791 - val_auc_71: 0.5117
 Epoch 169/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_71:
 0.5172 - val_loss: 0.7471 - val_auc_71: 0.5219
 Epoch 170/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_71:
 0.5183 - val_loss: 0.8858 - val_auc_71: 0.5119
 Epoch 171/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8267 - auc_71:
 0.5182 - val_loss: 0.7427 - val_auc_71: 0.5183
 Epoch 172/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_71:
 0.5150 - val_loss: 0.7639 - val_auc_71: 0.5178
 Epoch 173/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7699 - auc_71:
 0.5176 - val_loss: 0.8871 - val_auc_71: 0.5099
 Epoch 174/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_71:
 0.5154 - val_loss: 0.7693 - val_auc_71: 0.5138
 Epoch 175/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_71:
 0.5159 - val_loss: 0.7418 - val_auc_71: 0.5144
 Epoch 176/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_71:
 0.5160 - val_loss: 0.7107 - val_auc_71: 0.5188
 Epoch 177/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_71:
 0.5159 - val_loss: 0.8239 - val_auc_71: 0.5128
 Epoch 178/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_71:
 0.5160 - val_loss: 0.7640 - val_auc_71: 0.5174
 Epoch 179/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7663 - auc_71:
 0.5174 - val_loss: 0.7983 - val_auc_71: 0.5150
 Epoch 180/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8037 - auc_71:
 0.5167 - val_loss: 0.7297 - val_auc_71: 0.5172
 Epoch 181/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7740 - auc_71:
 0.5163 - val_loss: 0.8008 - val_auc_71: 0.5180
 Epoch 182/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_71:
 0.5183 - val_loss: 0.8481 - val_auc_71: 0.5104
 Epoch 183/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_71:
 0.5157 - val_loss: 0.7562 - val_auc_71: 0.5148
 Epoch 184/200

267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_71:
 0.5138 - val_loss: 0.7265 - val_auc_71: 0.5186
 Epoch 185/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_71:
 0.5165 - val_loss: 0.7585 - val_auc_71: 0.5118
 Epoch 186/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8012 - auc_71:
 0.5150 - val_loss: 0.8252 - val_auc_71: 0.5136
 Epoch 187/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_71:
 0.5172 - val_loss: 0.7594 - val_auc_71: 0.5134
 Epoch 188/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_71:
 0.5175 - val_loss: 0.7518 - val_auc_71: 0.5169
 Epoch 189/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8073 - auc_71:
 0.5149 - val_loss: 0.9537 - val_auc_71: 0.5108
 Epoch 190/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_71:
 0.5152 - val_loss: 0.7331 - val_auc_71: 0.5168
 Epoch 191/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_71:
 0.5166 - val_loss: 0.9095 - val_auc_71: 0.5182
 Epoch 192/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_71:
 0.5184 - val_loss: 0.7120 - val_auc_71: 0.5185
 Epoch 193/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8042 - auc_71:
 0.5179 - val_loss: 0.7220 - val_auc_71: 0.5137
 Epoch 194/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7593 - auc_71:
 0.5162 - val_loss: 0.8070 - val_auc_71: 0.5124
 Epoch 195/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8225 - auc_71:
 0.5158 - val_loss: 0.7505 - val_auc_71: 0.5118
 Epoch 196/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_71:
 0.5176 - val_loss: 0.7852 - val_auc_71: 0.5151
 Epoch 197/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7684 - auc_71:
 0.5168 - val_loss: 0.7819 - val_auc_71: 0.5139
 Epoch 198/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_71:
 0.5160 - val_loss: 0.8429 - val_auc_71: 0.5148
 Epoch 199/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8055 - auc_71:
 0.5190 - val_loss: 0.7515 - val_auc_71: 0.5199
 Epoch 200/200

```

267/267 [=====] - 1s 3ms/step - loss: 0.8041 - auc_71:
0.5179 - val_loss: 0.7248 - val_auc_71: 0.5169
  1/625 [...] - ETA: 0sWARNING:tensorflow:Callbacks
method `on_predict_batch_end` is slow compared to the batch time (batch time:
0.0000s vs `on_predict_batch_end` time: 0.0010s). Check your callbacks.
625/625 [=====] - 0s 544us/step
[CV] ... epochs=200, learning_rate=0.001, score=0.501, total= 2.7min
[CV] epochs=200, learning_rate=0.001 ...

[Parallel(n_jobs=1)]: Done   1 out of   1 | elapsed:  2.7min remaining:   0.0s

Epoch 1/200
267/267 [=====] - 1s 4ms/step - loss: 9.2988 - auc_72:
0.5068 - val_loss: 1.3615 - val_auc_72: 0.4977
Epoch 2/200
267/267 [=====] - 1s 3ms/step - loss: 1.0647 - auc_72:
0.5114 - val_loss: 0.9053 - val_auc_72: 0.5002
Epoch 3/200
267/267 [=====] - 1s 3ms/step - loss: 0.9305 - auc_72:
0.5124 - val_loss: 0.9082 - val_auc_72: 0.4986
Epoch 4/200
267/267 [=====] - 1s 3ms/step - loss: 0.9483 - auc_72:
0.5113 - val_loss: 0.8947 - val_auc_72: 0.5004
Epoch 5/200
267/267 [=====] - 1s 3ms/step - loss: 0.9144 - auc_72:
0.5121 - val_loss: 0.8860 - val_auc_72: 0.5016
Epoch 6/200
267/267 [=====] - 1s 3ms/step - loss: 0.9271 - auc_72:
0.5120 - val_loss: 0.8608 - val_auc_72: 0.4996
Epoch 7/200
267/267 [=====] - 1s 3ms/step - loss: 0.9133 - auc_72:
0.5114 - val_loss: 0.8950 - val_auc_72: 0.5034
Epoch 8/200
267/267 [=====] - 1s 3ms/step - loss: 0.8906 - auc_72:
0.5141 - val_loss: 0.8751 - val_auc_72: 0.4985
Epoch 9/200
267/267 [=====] - 1s 3ms/step - loss: 0.8724 - auc_72:
0.5108 - val_loss: 0.8851 - val_auc_72: 0.5024
Epoch 10/200
267/267 [=====] - 1s 3ms/step - loss: 0.8664 - auc_72:
0.5119 - val_loss: 0.8926 - val_auc_72: 0.5050
Epoch 11/200
267/267 [=====] - 1s 3ms/step - loss: 0.8761 - auc_72:
0.5117 - val_loss: 0.8769 - val_auc_72: 0.4993
Epoch 12/200
267/267 [=====] - 1s 3ms/step - loss: 0.8760 - auc_72:
0.5118 - val_loss: 0.8448 - val_auc_72: 0.4978
Epoch 13/200
267/267 [=====] - 1s 3ms/step - loss: 0.8664 - auc_72:

```

0.5111 - val_loss: 0.8229 - val_auc_72: 0.5037
 Epoch 14/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8623 - auc_72:
 0.5134 - val_loss: 0.8531 - val_auc_72: 0.4987
 Epoch 15/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8351 - auc_72:
 0.5120 - val_loss: 0.8027 - val_auc_72: 0.4986
 Epoch 16/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8437 - auc_72:
 0.5126 - val_loss: 1.0345 - val_auc_72: 0.4999
 Epoch 17/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8196 - auc_72:
 0.5130 - val_loss: 0.8095 - val_auc_72: 0.5060
 Epoch 18/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8426 - auc_72:
 0.5126 - val_loss: 0.8886 - val_auc_72: 0.4985
 Epoch 19/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8324 - auc_72:
 0.5145 - val_loss: 0.7795 - val_auc_72: 0.5025
 Epoch 20/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8394 - auc_72:
 0.5128 - val_loss: 0.9206 - val_auc_72: 0.5016
 Epoch 21/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8128 - auc_72:
 0.5130 - val_loss: 0.7943 - val_auc_72: 0.5053
 Epoch 22/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8270 - auc_72:
 0.5130 - val_loss: 0.7597 - val_auc_72: 0.5062
 Epoch 23/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8081 - auc_72:
 0.5122 - val_loss: 0.8400 - val_auc_72: 0.5037
 Epoch 24/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8312 - auc_72:
 0.5134 - val_loss: 0.8516 - val_auc_72: 0.5039
 Epoch 25/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8163 - auc_72:
 0.5145 - val_loss: 0.8150 - val_auc_72: 0.5021
 Epoch 26/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8197 - auc_72:
 0.5117 - val_loss: 0.8438 - val_auc_72: 0.5018
 Epoch 27/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8116 - auc_72:
 0.5128 - val_loss: 0.8323 - val_auc_72: 0.5026
 Epoch 28/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_72:
 0.5134 - val_loss: 0.8643 - val_auc_72: 0.5012
 Epoch 29/200
 267/267 [=====] - 1s 4ms/step - loss: 0.7931 - auc_72:

0.5149 - val_loss: 0.8164 - val_auc_72: 0.5037
 Epoch 30/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8137 - auc_72:
 0.5127 - val_loss: 0.7984 - val_auc_72: 0.5026
 Epoch 31/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7974 - auc_72:
 0.5130 - val_loss: 0.7881 - val_auc_72: 0.5051
 Epoch 32/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8041 - auc_72:
 0.5136 - val_loss: 0.9280 - val_auc_72: 0.5039
 Epoch 33/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8174 - auc_72:
 0.5151 - val_loss: 0.8355 - val_auc_72: 0.5070
 Epoch 34/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_72:
 0.5115 - val_loss: 0.7901 - val_auc_72: 0.5040
 Epoch 35/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_72:
 0.5156 - val_loss: 0.7962 - val_auc_72: 0.5021
 Epoch 36/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7987 - auc_72:
 0.5158 - val_loss: 0.7643 - val_auc_72: 0.5030
 Epoch 37/200
 267/267 [=====] - 1s 4ms/step - loss: 0.7985 - auc_72:
 0.5137 - val_loss: 0.7615 - val_auc_72: 0.5056
 Epoch 38/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8152 - auc_72:
 0.5123 - val_loss: 0.8387 - val_auc_72: 0.5015
 Epoch 39/200
 267/267 [=====] - 1s 4ms/step - loss: 0.7726 - auc_72:
 0.5150 - val_loss: 0.8029 - val_auc_72: 0.5052
 Epoch 40/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_72:
 0.5131 - val_loss: 0.7642 - val_auc_72: 0.5030
 Epoch 41/200
 267/267 [=====] - 1s 4ms/step - loss: 0.7935 - auc_72:
 0.5140 - val_loss: 0.7987 - val_auc_72: 0.5071
 Epoch 42/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8032 - auc_72:
 0.5125 - val_loss: 0.7621 - val_auc_72: 0.5043
 Epoch 43/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8106 - auc_72:
 0.5124 - val_loss: 0.8087 - val_auc_72: 0.5019
 Epoch 44/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_72:
 0.5140 - val_loss: 0.7520 - val_auc_72: 0.5025
 Epoch 45/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_72:

0.5160 - val_loss: 0.8085 - val_auc_72: 0.5017
 Epoch 46/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_72:
 0.5142 - val_loss: 0.9209 - val_auc_72: 0.5003
 Epoch 47/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_72:
 0.5138 - val_loss: 0.7719 - val_auc_72: 0.5018
 Epoch 48/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7983 - auc_72:
 0.5141 - val_loss: 0.7679 - val_auc_72: 0.5046
 Epoch 49/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7972 - auc_72:
 0.5130 - val_loss: 0.7801 - val_auc_72: 0.5006
 Epoch 50/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_72:
 0.5161 - val_loss: 0.7789 - val_auc_72: 0.5038
 Epoch 51/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_72:
 0.5149 - val_loss: 0.8566 - val_auc_72: 0.5092
 Epoch 52/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_72:
 0.5141 - val_loss: 0.7818 - val_auc_72: 0.5037
 Epoch 53/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_72:
 0.5153 - val_loss: 0.7328 - val_auc_72: 0.5069
 Epoch 54/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_72:
 0.5147 - val_loss: 0.7819 - val_auc_72: 0.5024
 Epoch 55/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8210 - auc_72:
 0.5110 - val_loss: 0.7826 - val_auc_72: 0.5042
 Epoch 56/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_72:
 0.5127 - val_loss: 0.8091 - val_auc_72: 0.5066
 Epoch 57/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_72:
 0.5139 - val_loss: 0.7472 - val_auc_72: 0.5068
 Epoch 58/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_72:
 0.5141 - val_loss: 0.7766 - val_auc_72: 0.5068
 Epoch 59/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7703 - auc_72:
 0.5135 - val_loss: 0.8206 - val_auc_72: 0.5052
 Epoch 60/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_72:
 0.5143 - val_loss: 0.8001 - val_auc_72: 0.5019
 Epoch 61/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_72:

0.5130 - val_loss: 0.7849 - val_auc_72: 0.5058
 Epoch 62/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_72:
 0.5141 - val_loss: 0.7523 - val_auc_72: 0.5051
 Epoch 63/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_72:
 0.5143 - val_loss: 0.7848 - val_auc_72: 0.5049
 Epoch 64/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_72:
 0.5158 - val_loss: 0.8426 - val_auc_72: 0.5003
 Epoch 65/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7750 - auc_72:
 0.5141 - val_loss: 0.8723 - val_auc_72: 0.5022
 Epoch 66/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_72:
 0.5138 - val_loss: 0.8611 - val_auc_72: 0.5046
 Epoch 67/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8094 - auc_72:
 0.5150 - val_loss: 0.7616 - val_auc_72: 0.5077
 Epoch 68/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_72:
 0.5168 - val_loss: 0.8775 - val_auc_72: 0.5018
 Epoch 69/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_72:
 0.5143 - val_loss: 0.7989 - val_auc_72: 0.5039
 Epoch 70/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_72:
 0.5157 - val_loss: 0.8425 - val_auc_72: 0.4996
 Epoch 71/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8085 - auc_72:
 0.5156 - val_loss: 0.7977 - val_auc_72: 0.5077
 Epoch 72/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_72:
 0.5166 - val_loss: 0.7870 - val_auc_72: 0.5092
 Epoch 73/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_72:
 0.5144 - val_loss: 0.7506 - val_auc_72: 0.5038
 Epoch 74/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_72:
 0.5170 - val_loss: 0.7563 - val_auc_72: 0.5074
 Epoch 75/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_72:
 0.5157 - val_loss: 0.9219 - val_auc_72: 0.5037
 Epoch 76/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_72:
 0.5128 - val_loss: 0.7314 - val_auc_72: 0.5089
 Epoch 77/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8020 - auc_72:

0.5171 - val_loss: 0.8751 - val_auc_72: 0.5030
 Epoch 78/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_72:
 0.5146 - val_loss: 0.7408 - val_auc_72: 0.5097
 Epoch 79/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_72:
 0.5160 - val_loss: 0.7480 - val_auc_72: 0.5049
 Epoch 80/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_72:
 0.5153 - val_loss: 0.7194 - val_auc_72: 0.5114
 Epoch 81/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7962 - auc_72:
 0.5154 - val_loss: 0.7599 - val_auc_72: 0.5111
 Epoch 82/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7944 - auc_72:
 0.5145 - val_loss: 0.8017 - val_auc_72: 0.5090
 Epoch 83/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8042 - auc_72:
 0.5164 - val_loss: 0.7609 - val_auc_72: 0.5052
 Epoch 84/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_72:
 0.5182 - val_loss: 0.8491 - val_auc_72: 0.5062
 Epoch 85/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_72:
 0.5140 - val_loss: 0.7579 - val_auc_72: 0.5109
 Epoch 86/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7821 - auc_72:
 0.5144 - val_loss: 0.7596 - val_auc_72: 0.5066
 Epoch 87/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7999 - auc_72:
 0.5138 - val_loss: 0.9656 - val_auc_72: 0.5090
 Epoch 88/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8020 - auc_72:
 0.5133 - val_loss: 0.8590 - val_auc_72: 0.5056
 Epoch 89/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_72:
 0.5155 - val_loss: 0.7658 - val_auc_72: 0.5045
 Epoch 90/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_72:
 0.5153 - val_loss: 0.7874 - val_auc_72: 0.5073
 Epoch 91/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7937 - auc_72:
 0.5146 - val_loss: 0.8116 - val_auc_72: 0.5064
 Epoch 92/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_72:
 0.5147 - val_loss: 0.7754 - val_auc_72: 0.5081
 Epoch 93/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_72:

0.5152 - val_loss: 0.9281 - val_auc_72: 0.5104
 Epoch 94/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8337 - auc_72:
 0.5151 - val_loss: 0.7406 - val_auc_72: 0.5109
 Epoch 95/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8097 - auc_72:
 0.5149 - val_loss: 0.8101 - val_auc_72: 0.5051
 Epoch 96/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_72:
 0.5170 - val_loss: 0.8290 - val_auc_72: 0.5097
 Epoch 97/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7643 - auc_72:
 0.5177 - val_loss: 0.7732 - val_auc_72: 0.5109
 Epoch 98/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_72:
 0.5150 - val_loss: 0.7860 - val_auc_72: 0.5029
 Epoch 99/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_72:
 0.5167 - val_loss: 0.7847 - val_auc_72: 0.5075
 Epoch 100/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8056 - auc_72:
 0.5155 - val_loss: 0.7607 - val_auc_72: 0.5030
 Epoch 101/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_72:
 0.5184 - val_loss: 0.7563 - val_auc_72: 0.5074
 Epoch 102/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8093 - auc_72:
 0.5148 - val_loss: 0.8565 - val_auc_72: 0.4993
 Epoch 103/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_72:
 0.5145 - val_loss: 0.7738 - val_auc_72: 0.5070
 Epoch 104/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_72:
 0.5141 - val_loss: 0.7350 - val_auc_72: 0.5102
 Epoch 105/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7871 - auc_72:
 0.5172 - val_loss: 0.9001 - val_auc_72: 0.5062
 Epoch 106/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_72:
 0.5169 - val_loss: 0.8068 - val_auc_72: 0.5070
 Epoch 107/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_72:
 0.5167 - val_loss: 0.7840 - val_auc_72: 0.5119
 Epoch 108/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7906 - auc_72:
 0.5162 - val_loss: 0.8095 - val_auc_72: 0.5045
 Epoch 109/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_72:

0.5177 - val_loss: 0.7734 - val_auc_72: 0.5072
 Epoch 110/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8056 - auc_72:
 0.5154 - val_loss: 0.8219 - val_auc_72: 0.5064
 Epoch 111/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_72:
 0.5151 - val_loss: 0.7756 - val_auc_72: 0.5057
 Epoch 112/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_72:
 0.5133 - val_loss: 0.7602 - val_auc_72: 0.5106
 Epoch 113/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_72:
 0.5152 - val_loss: 0.8414 - val_auc_72: 0.5030
 Epoch 114/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_72:
 0.5154 - val_loss: 0.7969 - val_auc_72: 0.5097
 Epoch 115/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8093 - auc_72:
 0.5168 - val_loss: 0.7404 - val_auc_72: 0.5078
 Epoch 116/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8027 - auc_72:
 0.5146 - val_loss: 0.7864 - val_auc_72: 0.5044
 Epoch 117/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_72:
 0.5161 - val_loss: 0.7690 - val_auc_72: 0.5034
 Epoch 118/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_72:
 0.5165 - val_loss: 0.8960 - val_auc_72: 0.5084
 Epoch 119/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8016 - auc_72:
 0.5156 - val_loss: 0.9889 - val_auc_72: 0.5078
 Epoch 120/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_72:
 0.5165 - val_loss: 0.8302 - val_auc_72: 0.5093
 Epoch 121/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_72:
 0.5166 - val_loss: 0.7744 - val_auc_72: 0.5042
 Epoch 122/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8196 - auc_72:
 0.5150 - val_loss: 0.9036 - val_auc_72: 0.5060
 Epoch 123/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7703 - auc_72:
 0.5150 - val_loss: 0.8255 - val_auc_72: 0.5018
 Epoch 124/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_72:
 0.5170 - val_loss: 0.8398 - val_auc_72: 0.5070
 Epoch 125/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7682 - auc_72:

0.5143 - val_loss: 0.7338 - val_auc_72: 0.5111
 Epoch 126/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7717 - auc_72:
 0.5144 - val_loss: 0.7556 - val_auc_72: 0.5065
 Epoch 127/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_72:
 0.5149 - val_loss: 0.7422 - val_auc_72: 0.5105
 Epoch 128/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_72:
 0.5166 - val_loss: 0.8116 - val_auc_72: 0.5080
 Epoch 129/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_72:
 0.5133 - val_loss: 0.7725 - val_auc_72: 0.5089
 Epoch 130/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_72:
 0.5167 - val_loss: 0.7582 - val_auc_72: 0.5102
 Epoch 131/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_72:
 0.5161 - val_loss: 0.8859 - val_auc_72: 0.5064
 Epoch 132/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8139 - auc_72:
 0.5169 - val_loss: 0.7783 - val_auc_72: 0.5050
 Epoch 133/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_72:
 0.5157 - val_loss: 0.7503 - val_auc_72: 0.5091
 Epoch 134/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7962 - auc_72:
 0.5163 - val_loss: 0.8442 - val_auc_72: 0.5085
 Epoch 135/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8032 - auc_72:
 0.5170 - val_loss: 0.7778 - val_auc_72: 0.5101
 Epoch 136/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_72:
 0.5169 - val_loss: 0.8581 - val_auc_72: 0.5095
 Epoch 137/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7676 - auc_72:
 0.5153 - val_loss: 0.7818 - val_auc_72: 0.5044
 Epoch 138/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8061 - auc_72:
 0.5157 - val_loss: 0.7543 - val_auc_72: 0.5026
 Epoch 139/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_72:
 0.5181 - val_loss: 0.7568 - val_auc_72: 0.5053
 Epoch 140/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_72:
 0.5157 - val_loss: 0.8553 - val_auc_72: 0.5075
 Epoch 141/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_72:

0.5172 - val_loss: 0.7160 - val_auc_72: 0.5133
 Epoch 142/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_72:
 0.5169 - val_loss: 0.7783 - val_auc_72: 0.5089
 Epoch 143/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_72:
 0.5183 - val_loss: 0.7462 - val_auc_72: 0.5038
 Epoch 144/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_72:
 0.5189 - val_loss: 0.8380 - val_auc_72: 0.5114
 Epoch 145/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7685 - auc_72:
 0.5167 - val_loss: 0.9980 - val_auc_72: 0.5050
 Epoch 146/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_72:
 0.5186 - val_loss: 0.7614 - val_auc_72: 0.5107
 Epoch 147/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7746 - auc_72:
 0.5174 - val_loss: 0.7388 - val_auc_72: 0.5114
 Epoch 148/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7921 - auc_72:
 0.5173 - val_loss: 0.9456 - val_auc_72: 0.5110
 Epoch 149/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_72:
 0.5161 - val_loss: 0.8166 - val_auc_72: 0.5099
 Epoch 150/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8061 - auc_72:
 0.5160 - val_loss: 0.7889 - val_auc_72: 0.5079
 Epoch 151/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_72:
 0.5156 - val_loss: 0.8174 - val_auc_72: 0.5096
 Epoch 152/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_72:
 0.5166 - val_loss: 0.7911 - val_auc_72: 0.5176
 Epoch 153/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_72:
 0.5177 - val_loss: 0.7768 - val_auc_72: 0.5029
 Epoch 154/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_72:
 0.5190 - val_loss: 0.7576 - val_auc_72: 0.5077
 Epoch 155/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_72:
 0.5148 - val_loss: 0.7843 - val_auc_72: 0.5104
 Epoch 156/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_72:
 0.5172 - val_loss: 0.8284 - val_auc_72: 0.5086
 Epoch 157/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_72:

0.5171 - val_loss: 0.8609 - val_auc_72: 0.5111
 Epoch 158/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_72:
 0.5154 - val_loss: 0.7418 - val_auc_72: 0.5082
 Epoch 159/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7984 - auc_72:
 0.5137 - val_loss: 0.7365 - val_auc_72: 0.5066
 Epoch 160/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_72:
 0.5167 - val_loss: 0.9249 - val_auc_72: 0.5096
 Epoch 161/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_72:
 0.5180 - val_loss: 0.7972 - val_auc_72: 0.5111
 Epoch 162/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_72:
 0.5182 - val_loss: 0.7749 - val_auc_72: 0.5051
 Epoch 163/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8031 - auc_72:
 0.5167 - val_loss: 0.7759 - val_auc_72: 0.5136
 Epoch 164/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_72:
 0.5170 - val_loss: 0.8869 - val_auc_72: 0.5096
 Epoch 165/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7828 - auc_72:
 0.5174 - val_loss: 0.7515 - val_auc_72: 0.5089
 Epoch 166/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_72:
 0.5168 - val_loss: 0.7991 - val_auc_72: 0.5075
 Epoch 167/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_72:
 0.5175 - val_loss: 0.7604 - val_auc_72: 0.5104
 Epoch 168/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_72:
 0.5139 - val_loss: 0.8287 - val_auc_72: 0.5105
 Epoch 169/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_72:
 0.5170 - val_loss: 0.8746 - val_auc_72: 0.5082
 Epoch 170/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_72:
 0.5178 - val_loss: 0.7415 - val_auc_72: 0.5105
 Epoch 171/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_72:
 0.5160 - val_loss: 0.8508 - val_auc_72: 0.5136
 Epoch 172/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_72:
 0.5182 - val_loss: 0.7268 - val_auc_72: 0.5058
 Epoch 173/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_72:

0.5184 - val_loss: 0.7691 - val_auc_72: 0.5125
 Epoch 174/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_72:
 0.5170 - val_loss: 0.8049 - val_auc_72: 0.5116
 Epoch 175/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_72:
 0.5158 - val_loss: 0.8026 - val_auc_72: 0.5103
 Epoch 176/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7892 - auc_72:
 0.5168 - val_loss: 0.8161 - val_auc_72: 0.5106
 Epoch 177/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_72:
 0.5157 - val_loss: 0.8585 - val_auc_72: 0.5128
 Epoch 178/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8011 - auc_72:
 0.5173 - val_loss: 0.7267 - val_auc_72: 0.5109
 Epoch 179/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_72:
 0.5154 - val_loss: 0.7944 - val_auc_72: 0.5095
 Epoch 180/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_72:
 0.5184 - val_loss: 0.7720 - val_auc_72: 0.5109
 Epoch 181/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_72:
 0.5158 - val_loss: 0.7965 - val_auc_72: 0.5092
 Epoch 182/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7729 - auc_72:
 0.5191 - val_loss: 0.8181 - val_auc_72: 0.5003
 Epoch 183/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_72:
 0.5166 - val_loss: 0.8166 - val_auc_72: 0.5125
 Epoch 184/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7707 - auc_72:
 0.5158 - val_loss: 0.7341 - val_auc_72: 0.5119
 Epoch 185/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_72:
 0.5170 - val_loss: 0.7864 - val_auc_72: 0.5087
 Epoch 186/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7899 - auc_72:
 0.5190 - val_loss: 0.8002 - val_auc_72: 0.5040
 Epoch 187/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7694 - auc_72:
 0.5167 - val_loss: 0.7147 - val_auc_72: 0.5095
 Epoch 188/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_72:
 0.5185 - val_loss: 0.7508 - val_auc_72: 0.5083
 Epoch 189/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8181 - auc_72:

```

0.5158 - val_loss: 0.7675 - val_auc_72: 0.5131
Epoch 190/200
267/267 [=====] - 1s 3ms/step - loss: 0.7624 - auc_72:
0.5148 - val_loss: 0.7513 - val_auc_72: 0.5091
Epoch 191/200
267/267 [=====] - 1s 3ms/step - loss: 0.7932 - auc_72:
0.5135 - val_loss: 0.8363 - val_auc_72: 0.5136
Epoch 192/200
267/267 [=====] - 1s 3ms/step - loss: 0.8111 - auc_72:
0.5150 - val_loss: 0.9132 - val_auc_72: 0.5048
Epoch 193/200
267/267 [=====] - 1s 3ms/step - loss: 0.7967 - auc_72:
0.5152 - val_loss: 0.8313 - val_auc_72: 0.5063
Epoch 194/200
267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_72:
0.5194 - val_loss: 0.7513 - val_auc_72: 0.5115
Epoch 195/200
267/267 [=====] - 1s 3ms/step - loss: 0.7694 - auc_72:
0.5160 - val_loss: 0.7901 - val_auc_72: 0.5105
Epoch 196/200
267/267 [=====] - 1s 3ms/step - loss: 0.7981 - auc_72:
0.5182 - val_loss: 0.7995 - val_auc_72: 0.5074
Epoch 197/200
267/267 [=====] - 1s 3ms/step - loss: 0.7711 - auc_72:
0.5170 - val_loss: 0.7453 - val_auc_72: 0.5121
Epoch 198/200
267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_72:
0.5163 - val_loss: 0.7506 - val_auc_72: 0.5079
Epoch 199/200
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_72:
0.5161 - val_loss: 0.7787 - val_auc_72: 0.5093
Epoch 200/200
267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_72:
0.5171 - val_loss: 0.7644 - val_auc_72: 0.5113
625/625 [=====] - 0s 554us/step
[CV] ... epochs=200, learning_rate=0.001, score=0.505, total= 2.6min
[CV] epochs=200, learning_rate=0.001 ...

[Parallel(n_jobs=1)]: Done 2 out of 2 | elapsed: 5.3min remaining: 0.0s

Epoch 1/200
267/267 [=====] - 1s 4ms/step - loss: 3.7594 - auc_73:
0.5035 - val_loss: 1.2878 - val_auc_73: 0.5106
Epoch 2/200
267/267 [=====] - 1s 3ms/step - loss: 1.0811 - auc_73:
0.5030 - val_loss: 1.0588 - val_auc_73: 0.5085
Epoch 3/200
267/267 [=====] - 1s 3ms/step - loss: 1.0195 - auc_73:
0.5056 - val_loss: 0.9386 - val_auc_73: 0.5078

```


Epoch 4/200
267/267 [=====] - 1s 3ms/step - loss: 0.9682 - auc_73:
0.5061 - val_loss: 0.9616 - val_auc_73: 0.5076
Epoch 5/200
267/267 [=====] - 1s 3ms/step - loss: 0.9822 - auc_73:
0.5062 - val_loss: 0.9277 - val_auc_73: 0.5040
Epoch 6/200
267/267 [=====] - 1s 3ms/step - loss: 0.9608 - auc_73:
0.5041 - val_loss: 0.9065 - val_auc_73: 0.5104
Epoch 7/200
267/267 [=====] - 1s 3ms/step - loss: 0.9490 - auc_73:
0.5032 - val_loss: 0.8734 - val_auc_73: 0.5095
Epoch 8/200
267/267 [=====] - 1s 3ms/step - loss: 0.9182 - auc_73:
0.5050 - val_loss: 0.8938 - val_auc_73: 0.5067
Epoch 9/200
267/267 [=====] - 1s 3ms/step - loss: 0.9621 - auc_73:
0.5052 - val_loss: 0.9073 - val_auc_73: 0.5075
Epoch 10/200
267/267 [=====] - 1s 3ms/step - loss: 0.9453 - auc_73:
0.5040 - val_loss: 0.8914 - val_auc_73: 0.5077
Epoch 11/200
267/267 [=====] - 1s 3ms/step - loss: 0.9153 - auc_73:
0.5071 - val_loss: 0.8908 - val_auc_73: 0.5108
Epoch 12/200
267/267 [=====] - 1s 3ms/step - loss: 0.9210 - auc_73:
0.5047 - val_loss: 0.9253 - val_auc_73: 0.5021
Epoch 13/200
267/267 [=====] - 1s 3ms/step - loss: 0.8990 - auc_73:
0.5050 - val_loss: 0.9474 - val_auc_73: 0.5097
Epoch 14/200
267/267 [=====] - 1s 3ms/step - loss: 0.8995 - auc_73:
0.5051 - val_loss: 0.9784 - val_auc_73: 0.5092
Epoch 15/200
267/267 [=====] - 1s 3ms/step - loss: 0.8859 - auc_73:
0.5048 - val_loss: 0.9638 - val_auc_73: 0.5099
Epoch 16/200
267/267 [=====] - 1s 3ms/step - loss: 0.9031 - auc_73:
0.5034 - val_loss: 0.8673 - val_auc_73: 0.5100
Epoch 17/200
267/267 [=====] - 1s 3ms/step - loss: 0.8987 - auc_73:
0.5041 - val_loss: 0.8261 - val_auc_73: 0.5093
Epoch 18/200
267/267 [=====] - 1s 3ms/step - loss: 0.8725 - auc_73:
0.5056 - val_loss: 0.8349 - val_auc_73: 0.5138
Epoch 19/200
267/267 [=====] - 1s 3ms/step - loss: 0.8698 - auc_73:
0.5036 - val_loss: 0.8497 - val_auc_73: 0.5059

Epoch 20/200
267/267 [=====] - 1s 3ms/step - loss: 0.8561 - auc_73:
0.5067 - val_loss: 0.8334 - val_auc_73: 0.5088
Epoch 21/200
267/267 [=====] - 1s 3ms/step - loss: 0.8686 - auc_73:
0.5054 - val_loss: 0.8789 - val_auc_73: 0.5096
Epoch 22/200
267/267 [=====] - 1s 3ms/step - loss: 0.8673 - auc_73:
0.5042 - val_loss: 0.9280 - val_auc_73: 0.5066
Epoch 23/200
267/267 [=====] - 1s 3ms/step - loss: 0.8506 - auc_73:
0.5044 - val_loss: 0.8862 - val_auc_73: 0.5100
Epoch 24/200
267/267 [=====] - 1s 3ms/step - loss: 0.8620 - auc_73:
0.5055 - val_loss: 0.9558 - val_auc_73: 0.5092
Epoch 25/200
267/267 [=====] - 1s 3ms/step - loss: 0.8516 - auc_73:
0.5057 - val_loss: 0.8322 - val_auc_73: 0.5105
Epoch 26/200
267/267 [=====] - 1s 3ms/step - loss: 0.8655 - auc_73:
0.5049 - val_loss: 0.9117 - val_auc_73: 0.5099
Epoch 27/200
267/267 [=====] - 1s 3ms/step - loss: 0.8701 - auc_73:
0.5061 - val_loss: 0.9891 - val_auc_73: 0.5078
Epoch 28/200
267/267 [=====] - 1s 3ms/step - loss: 0.8439 - auc_73:
0.5041 - val_loss: 0.9277 - val_auc_73: 0.5071
Epoch 29/200
267/267 [=====] - 1s 3ms/step - loss: 0.8376 - auc_73:
0.5046 - val_loss: 0.8849 - val_auc_73: 0.5054
Epoch 30/200
267/267 [=====] - 1s 3ms/step - loss: 0.8432 - auc_73:
0.5045 - val_loss: 0.9295 - val_auc_73: 0.5046
Epoch 31/200
267/267 [=====] - 1s 3ms/step - loss: 0.8392 - auc_73:
0.5069 - val_loss: 0.8929 - val_auc_73: 0.5068
Epoch 32/200
267/267 [=====] - 1s 3ms/step - loss: 0.8362 - auc_73:
0.5072 - val_loss: 0.8955 - val_auc_73: 0.5068
Epoch 33/200
267/267 [=====] - 1s 3ms/step - loss: 0.8503 - auc_73:
0.5038 - val_loss: 0.8327 - val_auc_73: 0.5108
Epoch 34/200
267/267 [=====] - 1s 3ms/step - loss: 0.8223 - auc_73:
0.5061 - val_loss: 1.0696 - val_auc_73: 0.5060
Epoch 35/200
267/267 [=====] - 1s 3ms/step - loss: 0.8635 - auc_73:
0.5066 - val_loss: 0.7927 - val_auc_73: 0.5085

Epoch 36/200
267/267 [=====] - 1s 3ms/step - loss: 0.8255 - auc_73:
0.5055 - val_loss: 0.9622 - val_auc_73: 0.5105

Epoch 37/200
267/267 [=====] - 1s 3ms/step - loss: 0.8536 - auc_73:
0.5055 - val_loss: 0.7992 - val_auc_73: 0.5113

Epoch 38/200
267/267 [=====] - 1s 3ms/step - loss: 0.8372 - auc_73:
0.5051 - val_loss: 0.7737 - val_auc_73: 0.5158

Epoch 39/200
267/267 [=====] - 1s 3ms/step - loss: 0.8253 - auc_73:
0.5032 - val_loss: 1.1106 - val_auc_73: 0.5055

Epoch 40/200
267/267 [=====] - 1s 3ms/step - loss: 0.8516 - auc_73:
0.5059 - val_loss: 0.7633 - val_auc_73: 0.5097

Epoch 41/200
267/267 [=====] - 1s 3ms/step - loss: 0.8287 - auc_73:
0.5053 - val_loss: 0.7653 - val_auc_73: 0.5087

Epoch 42/200
267/267 [=====] - 1s 3ms/step - loss: 0.8440 - auc_73:
0.5070 - val_loss: 0.7536 - val_auc_73: 0.5092

Epoch 43/200
267/267 [=====] - 1s 3ms/step - loss: 0.8203 - auc_73:
0.5071 - val_loss: 0.8003 - val_auc_73: 0.5037

Epoch 44/200
267/267 [=====] - 1s 3ms/step - loss: 0.8074 - auc_73:
0.5064 - val_loss: 0.7710 - val_auc_73: 0.5054

Epoch 45/200
267/267 [=====] - 1s 3ms/step - loss: 0.8089 - auc_73:
0.5061 - val_loss: 0.8597 - val_auc_73: 0.5049

Epoch 46/200
267/267 [=====] - 1s 3ms/step - loss: 0.8373 - auc_73:
0.5061 - val_loss: 0.7906 - val_auc_73: 0.5076

Epoch 47/200
267/267 [=====] - 1s 3ms/step - loss: 0.8088 - auc_73:
0.5062 - val_loss: 0.7946 - val_auc_73: 0.5151

Epoch 48/200
267/267 [=====] - 1s 3ms/step - loss: 0.8084 - auc_73:
0.5065 - val_loss: 0.7620 - val_auc_73: 0.5076

Epoch 49/200
267/267 [=====] - 1s 3ms/step - loss: 0.7995 - auc_73:
0.5073 - val_loss: 0.8089 - val_auc_73: 0.5104

Epoch 50/200
267/267 [=====] - 1s 3ms/step - loss: 0.8125 - auc_73:
0.5060 - val_loss: 0.8276 - val_auc_73: 0.5113

Epoch 51/200
267/267 [=====] - 1s 3ms/step - loss: 0.8132 - auc_73:
0.5064 - val_loss: 0.7659 - val_auc_73: 0.5087

Epoch 52/200
267/267 [=====] - 1s 3ms/step - loss: 0.7957 - auc_73:
0.5067 - val_loss: 0.7489 - val_auc_73: 0.5109

Epoch 53/200
267/267 [=====] - 1s 3ms/step - loss: 0.8183 - auc_73:
0.5066 - val_loss: 0.8852 - val_auc_73: 0.5121

Epoch 54/200
267/267 [=====] - 1s 3ms/step - loss: 0.8105 - auc_73:
0.5069 - val_loss: 0.8390 - val_auc_73: 0.5105

Epoch 55/200
267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_73:
0.5051 - val_loss: 0.8096 - val_auc_73: 0.5067

Epoch 56/200
267/267 [=====] - 1s 3ms/step - loss: 0.8245 - auc_73:
0.5084 - val_loss: 0.8615 - val_auc_73: 0.5120

Epoch 57/200
267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_73:
0.5080 - val_loss: 0.7616 - val_auc_73: 0.5072

Epoch 58/200
267/267 [=====] - 1s 3ms/step - loss: 0.7957 - auc_73:
0.5055 - val_loss: 0.8050 - val_auc_73: 0.5153

Epoch 59/200
267/267 [=====] - 1s 3ms/step - loss: 0.7998 - auc_73:
0.5097 - val_loss: 0.9010 - val_auc_73: 0.5102

Epoch 60/200
267/267 [=====] - 1s 3ms/step - loss: 0.7995 - auc_73:
0.5098 - val_loss: 0.8106 - val_auc_73: 0.5134

Epoch 61/200
267/267 [=====] - 1s 3ms/step - loss: 0.8191 - auc_73:
0.5069 - val_loss: 0.9491 - val_auc_73: 0.5110

Epoch 62/200
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_73:
0.5076 - val_loss: 0.7336 - val_auc_73: 0.5085

Epoch 63/200
267/267 [=====] - 1s 3ms/step - loss: 0.7944 - auc_73:
0.5065 - val_loss: 1.0108 - val_auc_73: 0.5071

Epoch 64/200
267/267 [=====] - 1s 3ms/step - loss: 0.8050 - auc_73:
0.5085 - val_loss: 0.7865 - val_auc_73: 0.5138

Epoch 65/200
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_73:
0.5085 - val_loss: 0.8016 - val_auc_73: 0.5110

Epoch 66/200
267/267 [=====] - 1s 3ms/step - loss: 0.7741 - auc_73:
0.5093 - val_loss: 0.7578 - val_auc_73: 0.5101

Epoch 67/200
267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_73:
0.5100 - val_loss: 0.8453 - val_auc_73: 0.5136

Epoch 68/200
267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_73:
0.5066 - val_loss: 0.8769 - val_auc_73: 0.5074

Epoch 69/200
267/267 [=====] - 1s 3ms/step - loss: 0.8101 - auc_73:
0.5080 - val_loss: 0.7514 - val_auc_73: 0.5101

Epoch 70/200
267/267 [=====] - 1s 3ms/step - loss: 0.8012 - auc_73:
0.5062 - val_loss: 0.8204 - val_auc_73: 0.5105

Epoch 71/200
267/267 [=====] - 1s 3ms/step - loss: 0.8085 - auc_73:
0.5075 - val_loss: 0.7443 - val_auc_73: 0.5118

Epoch 72/200
267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_73:
0.5107 - val_loss: 0.8134 - val_auc_73: 0.5118

Epoch 73/200
267/267 [=====] - 1s 3ms/step - loss: 0.8084 - auc_73:
0.5089 - val_loss: 0.7638 - val_auc_73: 0.5102

Epoch 74/200
267/267 [=====] - 1s 3ms/step - loss: 0.7960 - auc_73:
0.5069 - val_loss: 0.7686 - val_auc_73: 0.5087

Epoch 75/200
267/267 [=====] - 1s 3ms/step - loss: 0.8003 - auc_73:
0.5085 - val_loss: 0.7629 - val_auc_73: 0.5123

Epoch 76/200
267/267 [=====] - 1s 3ms/step - loss: 0.8277 - auc_73:
0.5052 - val_loss: 0.8912 - val_auc_73: 0.5070

Epoch 77/200
267/267 [=====] - 1s 3ms/step - loss: 0.7915 - auc_73:
0.5080 - val_loss: 0.7328 - val_auc_73: 0.5144

Epoch 78/200
267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_73:
0.5093 - val_loss: 0.7303 - val_auc_73: 0.5150

Epoch 79/200
267/267 [=====] - 1s 3ms/step - loss: 0.8049 - auc_73:
0.5088 - val_loss: 0.7791 - val_auc_73: 0.5058

Epoch 80/200
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_73:
0.5074 - val_loss: 0.7300 - val_auc_73: 0.5125

Epoch 81/200
267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_73:
0.5099 - val_loss: 0.8376 - val_auc_73: 0.5092

Epoch 82/200
267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_73:
0.5086 - val_loss: 0.7418 - val_auc_73: 0.5091

Epoch 83/200
267/267 [=====] - 1s 3ms/step - loss: 0.8126 - auc_73:
0.5105 - val_loss: 0.7194 - val_auc_73: 0.5155

Epoch 84/200
267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_73:
0.5111 - val_loss: 0.7592 - val_auc_73: 0.5067

Epoch 85/200
267/267 [=====] - 1s 3ms/step - loss: 0.7963 - auc_73:
0.5078 - val_loss: 0.7343 - val_auc_73: 0.5158

Epoch 86/200
267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_73:
0.5088 - val_loss: 0.8023 - val_auc_73: 0.5121

Epoch 87/200
267/267 [=====] - 1s 3ms/step - loss: 0.8108 - auc_73:
0.5102 - val_loss: 0.8243 - val_auc_73: 0.5081

Epoch 88/200
267/267 [=====] - 1s 3ms/step - loss: 0.8179 - auc_73:
0.5090 - val_loss: 0.7517 - val_auc_73: 0.5169

Epoch 89/200
267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_73:
0.5101 - val_loss: 0.7827 - val_auc_73: 0.5099

Epoch 90/200
267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_73:
0.5109 - val_loss: 0.9005 - val_auc_73: 0.5069

Epoch 91/200
267/267 [=====] - 1s 3ms/step - loss: 0.7984 - auc_73:
0.5099 - val_loss: 0.7834 - val_auc_73: 0.5084

Epoch 92/200
267/267 [=====] - 1s 3ms/step - loss: 0.7924 - auc_73:
0.5108 - val_loss: 0.8023 - val_auc_73: 0.5109

Epoch 93/200
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_73:
0.5110 - val_loss: 0.7448 - val_auc_73: 0.5144

Epoch 94/200
267/267 [=====] - 1s 3ms/step - loss: 0.7954 - auc_73:
0.5089 - val_loss: 0.7727 - val_auc_73: 0.5070

Epoch 95/200
267/267 [=====] - 1s 3ms/step - loss: 0.8071 - auc_73:
0.5092 - val_loss: 0.7935 - val_auc_73: 0.5058

Epoch 96/200
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_73:
0.5095 - val_loss: 0.7855 - val_auc_73: 0.5123

Epoch 97/200
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_73:
0.5096 - val_loss: 0.9115 - val_auc_73: 0.5055

Epoch 98/200
267/267 [=====] - 1s 3ms/step - loss: 0.8117 - auc_73:
0.5104 - val_loss: 0.7966 - val_auc_73: 0.5127

Epoch 99/200
267/267 [=====] - 1s 3ms/step - loss: 0.7773 - auc_73:
0.5111 - val_loss: 0.8890 - val_auc_73: 0.5110

Epoch 100/200
267/267 [=====] - 1s 3ms/step - loss: 0.7665 - auc_73:
0.5109 - val_loss: 0.7949 - val_auc_73: 0.5129
Epoch 101/200
267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_73:
0.5102 - val_loss: 0.7464 - val_auc_73: 0.5129
Epoch 102/200
267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_73:
0.5088 - val_loss: 0.7817 - val_auc_73: 0.5106
Epoch 103/200
267/267 [=====] - 1s 3ms/step - loss: 0.8254 - auc_73:
0.5083 - val_loss: 0.7247 - val_auc_73: 0.5105
Epoch 104/200
267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_73:
0.5107 - val_loss: 0.7634 - val_auc_73: 0.5123
Epoch 105/200
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_73:
0.5112 - val_loss: 0.7530 - val_auc_73: 0.5081
Epoch 106/200
267/267 [=====] - 1s 3ms/step - loss: 0.8090 - auc_73:
0.5107 - val_loss: 0.8204 - val_auc_73: 0.5085
Epoch 107/200
267/267 [=====] - 1s 3ms/step - loss: 0.7705 - auc_73:
0.5126 - val_loss: 0.7139 - val_auc_73: 0.5117
Epoch 108/200
267/267 [=====] - 1s 3ms/step - loss: 0.7990 - auc_73:
0.5090 - val_loss: 0.8309 - val_auc_73: 0.5099
Epoch 109/200
267/267 [=====] - 1s 3ms/step - loss: 0.8221 - auc_73:
0.5119 - val_loss: 0.7789 - val_auc_73: 0.5122
Epoch 110/200
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_73:
0.5104 - val_loss: 0.8020 - val_auc_73: 0.5103
Epoch 111/200
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_73:
0.5114 - val_loss: 0.8166 - val_auc_73: 0.5102
Epoch 112/200
267/267 [=====] - 1s 3ms/step - loss: 0.8137 - auc_73:
0.5123 - val_loss: 0.9457 - val_auc_73: 0.5147
Epoch 113/200
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_73:
0.5097 - val_loss: 0.7826 - val_auc_73: 0.5115
Epoch 114/200
267/267 [=====] - 1s 3ms/step - loss: 0.8282 - auc_73:
0.5115 - val_loss: 0.7932 - val_auc_73: 0.5053
Epoch 115/200
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_73:
0.5101 - val_loss: 0.7337 - val_auc_73: 0.5105

Epoch 116/200
267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_73:
0.5124 - val_loss: 0.7997 - val_auc_73: 0.5115
Epoch 117/200
267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_73:
0.5106 - val_loss: 0.7692 - val_auc_73: 0.5076
Epoch 118/200
267/267 [=====] - 1s 3ms/step - loss: 0.8017 - auc_73:
0.5131 - val_loss: 0.8017 - val_auc_73: 0.5072
Epoch 119/200
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_73:
0.5113 - val_loss: 0.9059 - val_auc_73: 0.5095
Epoch 120/200
267/267 [=====] - 1s 3ms/step - loss: 0.8001 - auc_73:
0.5120 - val_loss: 0.7628 - val_auc_73: 0.5111
Epoch 121/200
267/267 [=====] - 1s 3ms/step - loss: 0.8069 - auc_73:
0.5111 - val_loss: 0.7816 - val_auc_73: 0.5108
Epoch 122/200
267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_73:
0.5117 - val_loss: 0.7991 - val_auc_73: 0.5118
Epoch 123/200
267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_73:
0.5112 - val_loss: 0.7799 - val_auc_73: 0.5093
Epoch 124/200
267/267 [=====] - 1s 3ms/step - loss: 0.7831 - auc_73:
0.5100 - val_loss: 0.8004 - val_auc_73: 0.5078
Epoch 125/200
267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_73:
0.5114 - val_loss: 0.7620 - val_auc_73: 0.5093
Epoch 126/200
267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_73:
0.5110 - val_loss: 0.7808 - val_auc_73: 0.5130
Epoch 127/200
267/267 [=====] - 1s 3ms/step - loss: 0.8104 - auc_73:
0.5102 - val_loss: 0.8373 - val_auc_73: 0.5112
Epoch 128/200
267/267 [=====] - 1s 3ms/step - loss: 0.7967 - auc_73:
0.5126 - val_loss: 0.8100 - val_auc_73: 0.5109
Epoch 129/200
267/267 [=====] - 1s 3ms/step - loss: 0.7981 - auc_73:
0.5113 - val_loss: 0.8893 - val_auc_73: 0.5074
Epoch 130/200
267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_73:
0.5114 - val_loss: 0.7496 - val_auc_73: 0.5061
Epoch 131/200
267/267 [=====] - 1s 3ms/step - loss: 0.8013 - auc_73:
0.5112 - val_loss: 0.8184 - val_auc_73: 0.5130

Epoch 132/200
267/267 [=====] - 1s 3ms/step - loss: 0.8025 - auc_73:
0.5105 - val_loss: 0.8222 - val_auc_73: 0.5107

Epoch 133/200
267/267 [=====] - 1s 3ms/step - loss: 0.7991 - auc_73:
0.5119 - val_loss: 0.7396 - val_auc_73: 0.5136

Epoch 134/200
267/267 [=====] - 1s 3ms/step - loss: 0.8606 - auc_73:
0.5128 - val_loss: 0.7785 - val_auc_73: 0.5151

Epoch 135/200
267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_73:
0.5104 - val_loss: 0.7238 - val_auc_73: 0.5103

Epoch 136/200
267/267 [=====] - 1s 3ms/step - loss: 0.7839 - auc_73:
0.5118 - val_loss: 0.7688 - val_auc_73: 0.5145

Epoch 137/200
267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_73:
0.5117 - val_loss: 0.7526 - val_auc_73: 0.5139

Epoch 138/200
267/267 [=====] - 1s 3ms/step - loss: 0.8013 - auc_73:
0.5097 - val_loss: 0.7627 - val_auc_73: 0.5121

Epoch 139/200
267/267 [=====] - 1s 3ms/step - loss: 0.7665 - auc_73:
0.5102 - val_loss: 0.8623 - val_auc_73: 0.5146

Epoch 140/200
267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_73:
0.5097 - val_loss: 0.7659 - val_auc_73: 0.5099

Epoch 141/200
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_73:
0.5090 - val_loss: 0.7736 - val_auc_73: 0.5104

Epoch 142/200
267/267 [=====] - 1s 3ms/step - loss: 0.8080 - auc_73:
0.5110 - val_loss: 0.7483 - val_auc_73: 0.5158

Epoch 143/200
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_73:
0.5112 - val_loss: 0.8122 - val_auc_73: 0.5108

Epoch 144/200
267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_73:
0.5135 - val_loss: 0.8529 - val_auc_73: 0.5042

Epoch 145/200
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_73:
0.5137 - val_loss: 0.7269 - val_auc_73: 0.5065

Epoch 146/200
267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_73:
0.5121 - val_loss: 0.7156 - val_auc_73: 0.5153

Epoch 147/200
267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_73:
0.5113 - val_loss: 0.7359 - val_auc_73: 0.5111

Epoch 148/200
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_73:
0.5100 - val_loss: 0.8288 - val_auc_73: 0.5070
Epoch 149/200
267/267 [=====] - 1s 3ms/step - loss: 0.7735 - auc_73:
0.5120 - val_loss: 0.8052 - val_auc_73: 0.5102
Epoch 150/200
267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_73:
0.5149 - val_loss: 0.8364 - val_auc_73: 0.5023
Epoch 151/200
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_73:
0.5134 - val_loss: 0.7422 - val_auc_73: 0.5132
Epoch 152/200
267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_73:
0.5117 - val_loss: 0.7576 - val_auc_73: 0.5137
Epoch 153/200
267/267 [=====] - 1s 3ms/step - loss: 0.8157 - auc_73:
0.5114 - val_loss: 0.8391 - val_auc_73: 0.5141
Epoch 154/200
267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_73:
0.5118 - val_loss: 0.7347 - val_auc_73: 0.5107
Epoch 155/200
267/267 [=====] - 1s 3ms/step - loss: 0.8251 - auc_73:
0.5092 - val_loss: 0.7963 - val_auc_73: 0.5048
Epoch 156/200
267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_73:
0.5113 - val_loss: 0.7617 - val_auc_73: 0.5095
Epoch 157/200
267/267 [=====] - 1s 3ms/step - loss: 0.7699 - auc_73:
0.5137 - val_loss: 0.7347 - val_auc_73: 0.5125
Epoch 158/200
267/267 [=====] - 1s 3ms/step - loss: 0.7630 - auc_73:
0.5117 - val_loss: 0.7227 - val_auc_73: 0.5194
Epoch 159/200
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_73:
0.5131 - val_loss: 0.8119 - val_auc_73: 0.5125
Epoch 160/200
267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_73:
0.5109 - val_loss: 0.8340 - val_auc_73: 0.5090
Epoch 161/200
267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_73:
0.5115 - val_loss: 0.8006 - val_auc_73: 0.5065
Epoch 162/200
267/267 [=====] - 1s 3ms/step - loss: 0.8218 - auc_73:
0.5101 - val_loss: 0.7585 - val_auc_73: 0.5133
Epoch 163/200
267/267 [=====] - 1s 3ms/step - loss: 0.8068 - auc_73:
0.5115 - val_loss: 0.7421 - val_auc_73: 0.5113

Epoch 164/200
267/267 [=====] - 1s 3ms/step - loss: 0.7688 - auc_73:
0.5121 - val_loss: 0.7389 - val_auc_73: 0.5107

Epoch 165/200
267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_73:
0.5135 - val_loss: 0.7276 - val_auc_73: 0.5164

Epoch 166/200
267/267 [=====] - 1s 3ms/step - loss: 0.7925 - auc_73:
0.5113 - val_loss: 0.7756 - val_auc_73: 0.5129

Epoch 167/200
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_73:
0.5144 - val_loss: 0.8853 - val_auc_73: 0.5079

Epoch 168/200
267/267 [=====] - 1s 3ms/step - loss: 0.8253 - auc_73:
0.5133 - val_loss: 0.7399 - val_auc_73: 0.5100

Epoch 169/200
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_73:
0.5129 - val_loss: 0.7690 - val_auc_73: 0.5097

Epoch 170/200
267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_73:
0.5145 - val_loss: 0.7727 - val_auc_73: 0.5171

Epoch 171/200
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_73:
0.5134 - val_loss: 0.7337 - val_auc_73: 0.5089

Epoch 172/200
267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_73:
0.5157 - val_loss: 0.7762 - val_auc_73: 0.5119

Epoch 173/200
267/267 [=====] - 1s 3ms/step - loss: 0.8147 - auc_73:
0.5144 - val_loss: 0.8133 - val_auc_73: 0.5122

Epoch 174/200
267/267 [=====] - 1s 3ms/step - loss: 0.7996 - auc_73:
0.5130 - val_loss: 0.7412 - val_auc_73: 0.5132

Epoch 175/200
267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_73:
0.5120 - val_loss: 0.7642 - val_auc_73: 0.5103

Epoch 176/200
267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_73:
0.5142 - val_loss: 0.9251 - val_auc_73: 0.5136

Epoch 177/200
267/267 [=====] - 1s 3ms/step - loss: 0.8078 - auc_73:
0.5118 - val_loss: 0.7776 - val_auc_73: 0.5127

Epoch 178/200
267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_73:
0.5135 - val_loss: 0.7572 - val_auc_73: 0.5093

Epoch 179/200
267/267 [=====] - 1s 3ms/step - loss: 0.7595 - auc_73:
0.5139 - val_loss: 0.7477 - val_auc_73: 0.5174

Epoch 180/200
267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_73:
0.5138 - val_loss: 0.7920 - val_auc_73: 0.5137

Epoch 181/200
267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_73:
0.5110 - val_loss: 0.7690 - val_auc_73: 0.5119

Epoch 182/200
267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_73:
0.5124 - val_loss: 0.7818 - val_auc_73: 0.5089

Epoch 183/200
267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_73:
0.5137 - val_loss: 0.7715 - val_auc_73: 0.5114

Epoch 184/200
267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_73:
0.5144 - val_loss: 0.8314 - val_auc_73: 0.5112

Epoch 185/200
267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_73:
0.5126 - val_loss: 0.8921 - val_auc_73: 0.5124

Epoch 186/200
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_73:
0.5138 - val_loss: 0.8505 - val_auc_73: 0.5138

Epoch 187/200
267/267 [=====] - 1s 3ms/step - loss: 0.7821 - auc_73:
0.5137 - val_loss: 0.7454 - val_auc_73: 0.5117

Epoch 188/200
267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_73:
0.5151 - val_loss: 0.8690 - val_auc_73: 0.5087

Epoch 189/200
267/267 [=====] - 1s 3ms/step - loss: 0.8353 - auc_73:
0.5125 - val_loss: 0.7820 - val_auc_73: 0.5173

Epoch 190/200
267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_73:
0.5145 - val_loss: 0.7501 - val_auc_73: 0.5138

Epoch 191/200
267/267 [=====] - 1s 3ms/step - loss: 0.7798 - auc_73:
0.5156 - val_loss: 0.7380 - val_auc_73: 0.5163

Epoch 192/200
267/267 [=====] - 1s 3ms/step - loss: 0.7684 - auc_73:
0.5155 - val_loss: 0.7992 - val_auc_73: 0.5205

Epoch 193/200
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_73:
0.5148 - val_loss: 0.8210 - val_auc_73: 0.5083

Epoch 194/200
267/267 [=====] - 1s 3ms/step - loss: 0.7998 - auc_73:
0.5147 - val_loss: 0.8301 - val_auc_73: 0.5115

Epoch 195/200
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_73:
0.5122 - val_loss: 0.8032 - val_auc_73: 0.5092

Epoch 196/200
267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_73:
0.5151 - val_loss: 0.7584 - val_auc_73: 0.5100
Epoch 197/200
267/267 [=====] - 1s 3ms/step - loss: 0.7713 - auc_73:
0.5126 - val_loss: 0.7748 - val_auc_73: 0.5204
Epoch 198/200
267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_73:
0.5124 - val_loss: 0.7725 - val_auc_73: 0.5084
Epoch 199/200
267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_73:
0.5119 - val_loss: 0.7833 - val_auc_73: 0.5106
Epoch 200/200
267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_73:
0.5138 - val_loss: 0.7446 - val_auc_73: 0.5131
625/625 [=====] - 0s 535us/step
[CV] ... epochs=200, learning_rate=0.001, score=0.519, total= 2.5min
[CV] epochs=200, learning_rate=0.001 ...
[Parallel(n_jobs=1)]: Done 3 out of 3 | elapsed: 7.8min remaining: 0.0s
Epoch 1/200
267/267 [=====] - 1s 4ms/step - loss: 2.4670 - auc_74:
0.5071 - val_loss: 1.0456 - val_auc_74: 0.5062
Epoch 2/200
267/267 [=====] - 1s 3ms/step - loss: 0.9272 - auc_74:
0.5071 - val_loss: 1.0413 - val_auc_74: 0.5070
Epoch 3/200
267/267 [=====] - 1s 3ms/step - loss: 0.9084 - auc_74:
0.5048 - val_loss: 1.1008 - val_auc_74: 0.5024
Epoch 4/200
267/267 [=====] - 1s 3ms/step - loss: 0.9116 - auc_74:
0.5045 - val_loss: 0.9312 - val_auc_74: 0.5046
Epoch 5/200
267/267 [=====] - 1s 3ms/step - loss: 0.8891 - auc_74:
0.5063 - val_loss: 0.8990 - val_auc_74: 0.5026
Epoch 6/200
267/267 [=====] - 1s 3ms/step - loss: 0.8929 - auc_74:
0.5027 - val_loss: 0.9098 - val_auc_74: 0.5031
Epoch 7/200
267/267 [=====] - 1s 3ms/step - loss: 0.8656 - auc_74:
0.5041 - val_loss: 0.9585 - val_auc_74: 0.5066
Epoch 8/200
267/267 [=====] - 1s 3ms/step - loss: 0.8823 - auc_74:
0.5058 - val_loss: 0.8844 - val_auc_74: 0.5057
Epoch 9/200
267/267 [=====] - 1s 3ms/step - loss: 0.8625 - auc_74:
0.5048 - val_loss: 0.9100 - val_auc_74: 0.5042
Epoch 10/200

267/267 [=====] - 1s 3ms/step - loss: 0.8534 - auc_74:
 0.5057 - val_loss: 0.9150 - val_auc_74: 0.5017
 Epoch 11/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8543 - auc_74:
 0.5037 - val_loss: 0.8653 - val_auc_74: 0.5042
 Epoch 12/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8884 - auc_74:
 0.5042 - val_loss: 0.8639 - val_auc_74: 0.5058
 Epoch 13/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8566 - auc_74:
 0.5063 - val_loss: 0.8671 - val_auc_74: 0.5053
 Epoch 14/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8522 - auc_74:
 0.5061 - val_loss: 0.8262 - val_auc_74: 0.5076
 Epoch 15/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8413 - auc_74:
 0.5059 - val_loss: 0.8780 - val_auc_74: 0.5029
 Epoch 16/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8444 - auc_74:
 0.5052 - val_loss: 0.8564 - val_auc_74: 0.5035
 Epoch 17/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8227 - auc_74:
 0.5038 - val_loss: 0.8830 - val_auc_74: 0.5049
 Epoch 18/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8400 - auc_74:
 0.5064 - val_loss: 0.8471 - val_auc_74: 0.5082
 Epoch 19/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8511 - auc_74:
 0.5044 - val_loss: 0.8495 - val_auc_74: 0.5067
 Epoch 20/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8186 - auc_74:
 0.5059 - val_loss: 0.9104 - val_auc_74: 0.5068
 Epoch 21/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8155 - auc_74:
 0.5058 - val_loss: 1.0160 - val_auc_74: 0.5065
 Epoch 22/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8254 - auc_74:
 0.5078 - val_loss: 0.8903 - val_auc_74: 0.5065
 Epoch 23/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8320 - auc_74:
 0.5097 - val_loss: 0.8267 - val_auc_74: 0.5052
 Epoch 24/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8184 - auc_74:
 0.5076 - val_loss: 0.9100 - val_auc_74: 0.5051
 Epoch 25/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8408 - auc_74:
 0.5067 - val_loss: 0.8701 - val_auc_74: 0.5055
 Epoch 26/200

267/267 [=====] - 1s 3ms/step - loss: 0.8077 - auc_74:
0.5058 - val_loss: 0.8055 - val_auc_74: 0.5053
Epoch 27/200
267/267 [=====] - 1s 3ms/step - loss: 0.8082 - auc_74:
0.5054 - val_loss: 0.9337 - val_auc_74: 0.5053
Epoch 28/200
267/267 [=====] - 1s 3ms/step - loss: 0.8173 - auc_74:
0.5078 - val_loss: 0.8325 - val_auc_74: 0.5071
Epoch 29/200
267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_74:
0.5075 - val_loss: 0.7927 - val_auc_74: 0.5095
Epoch 30/200
267/267 [=====] - 1s 3ms/step - loss: 0.8222 - auc_74:
0.5054 - val_loss: 0.8464 - val_auc_74: 0.5035
Epoch 31/200
267/267 [=====] - 1s 3ms/step - loss: 0.8428 - auc_74:
0.5077 - val_loss: 0.8028 - val_auc_74: 0.5098
Epoch 32/200
267/267 [=====] - 1s 3ms/step - loss: 0.8037 - auc_74:
0.5093 - val_loss: 1.0311 - val_auc_74: 0.5057
Epoch 33/200
267/267 [=====] - 1s 3ms/step - loss: 0.8227 - auc_74:
0.5073 - val_loss: 0.7696 - val_auc_74: 0.5107
Epoch 34/200
267/267 [=====] - 1s 3ms/step - loss: 0.7888 - auc_74:
0.5076 - val_loss: 0.8237 - val_auc_74: 0.5065
Epoch 35/200
267/267 [=====] - 1s 3ms/step - loss: 0.8041 - auc_74:
0.5075 - val_loss: 0.8442 - val_auc_74: 0.5036
Epoch 36/200
267/267 [=====] - 1s 3ms/step - loss: 0.8033 - auc_74:
0.5082 - val_loss: 0.7693 - val_auc_74: 0.5052
Epoch 37/200
267/267 [=====] - 1s 3ms/step - loss: 0.8355 - auc_74:
0.5062 - val_loss: 0.7930 - val_auc_74: 0.5082
Epoch 38/200
267/267 [=====] - 1s 3ms/step - loss: 0.8185 - auc_74:
0.5083 - val_loss: 0.7696 - val_auc_74: 0.5096
Epoch 39/200
267/267 [=====] - 1s 3ms/step - loss: 0.8003 - auc_74:
0.5086 - val_loss: 0.7878 - val_auc_74: 0.5077
Epoch 40/200
267/267 [=====] - 1s 3ms/step - loss: 0.8104 - auc_74:
0.5064 - val_loss: 0.8675 - val_auc_74: 0.5044
Epoch 41/200
267/267 [=====] - 1s 3ms/step - loss: 0.7977 - auc_74:
0.5105 - val_loss: 0.8056 - val_auc_74: 0.5058
Epoch 42/200

267/267 [=====] - 1s 3ms/step - loss: 0.8169 - auc_74:
0.5063 - val_loss: 0.7750 - val_auc_74: 0.5062
Epoch 43/200
267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_74:
0.5079 - val_loss: 0.8042 - val_auc_74: 0.5012
Epoch 44/200
267/267 [=====] - 1s 3ms/step - loss: 0.8066 - auc_74:
0.5094 - val_loss: 0.8379 - val_auc_74: 0.5020
Epoch 45/200
267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_74:
0.5078 - val_loss: 0.8267 - val_auc_74: 0.5045
Epoch 46/200
267/267 [=====] - 1s 3ms/step - loss: 0.8215 - auc_74:
0.5076 - val_loss: 0.8180 - val_auc_74: 0.5069
Epoch 47/200
267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_74:
0.5076 - val_loss: 0.7597 - val_auc_74: 0.5031
Epoch 48/200
267/267 [=====] - 1s 3ms/step - loss: 0.8117 - auc_74:
0.5048 - val_loss: 0.9841 - val_auc_74: 0.5035
Epoch 49/200
267/267 [=====] - 1s 3ms/step - loss: 0.8015 - auc_74:
0.5087 - val_loss: 0.7475 - val_auc_74: 0.5038
Epoch 50/200
267/267 [=====] - 1s 3ms/step - loss: 0.8046 - auc_74:
0.5064 - val_loss: 0.8656 - val_auc_74: 0.5045
Epoch 51/200
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_74:
0.5073 - val_loss: 0.8639 - val_auc_74: 0.5065
Epoch 52/200
267/267 [=====] - 1s 3ms/step - loss: 0.8100 - auc_74:
0.5082 - val_loss: 0.7926 - val_auc_74: 0.5093
Epoch 53/200
267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_74:
0.5079 - val_loss: 0.7543 - val_auc_74: 0.5082
Epoch 54/200
267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_74:
0.5055 - val_loss: 0.8528 - val_auc_74: 0.5081
Epoch 55/200
267/267 [=====] - 1s 3ms/step - loss: 0.8280 - auc_74:
0.5086 - val_loss: 0.7875 - val_auc_74: 0.5050
Epoch 56/200
267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_74:
0.5076 - val_loss: 0.8218 - val_auc_74: 0.5051
Epoch 57/200
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_74:
0.5062 - val_loss: 0.9037 - val_auc_74: 0.5036
Epoch 58/200

267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_74:
 0.5086 - val_loss: 0.7444 - val_auc_74: 0.5059
 Epoch 59/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_74:
 0.5105 - val_loss: 0.7487 - val_auc_74: 0.5078
 Epoch 60/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_74:
 0.5086 - val_loss: 0.8009 - val_auc_74: 0.5039
 Epoch 61/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8002 - auc_74:
 0.5078 - val_loss: 0.7957 - val_auc_74: 0.5060
 Epoch 62/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_74:
 0.5092 - val_loss: 0.7818 - val_auc_74: 0.5062
 Epoch 63/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8024 - auc_74:
 0.5077 - val_loss: 0.8363 - val_auc_74: 0.5094
 Epoch 64/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_74:
 0.5080 - val_loss: 0.7854 - val_auc_74: 0.5059
 Epoch 65/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_74:
 0.5071 - val_loss: 0.7463 - val_auc_74: 0.5101
 Epoch 66/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7978 - auc_74:
 0.5086 - val_loss: 0.7717 - val_auc_74: 0.5069
 Epoch 67/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_74:
 0.5084 - val_loss: 0.7827 - val_auc_74: 0.5076
 Epoch 68/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8016 - auc_74:
 0.5091 - val_loss: 0.7496 - val_auc_74: 0.5071
 Epoch 69/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8029 - auc_74:
 0.5107 - val_loss: 0.7586 - val_auc_74: 0.5085
 Epoch 70/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_74:
 0.5091 - val_loss: 0.8338 - val_auc_74: 0.5030
 Epoch 71/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8061 - auc_74:
 0.5066 - val_loss: 0.8535 - val_auc_74: 0.5042
 Epoch 72/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8180 - auc_74:
 0.5096 - val_loss: 0.7944 - val_auc_74: 0.5079
 Epoch 73/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_74:
 0.5089 - val_loss: 0.8085 - val_auc_74: 0.5102
 Epoch 74/200

267/267 [=====] - 1s 3ms/step - loss: 0.8012 - auc_74:
 0.5094 - val_loss: 0.7443 - val_auc_74: 0.5091
 Epoch 75/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_74:
 0.5087 - val_loss: 0.8310 - val_auc_74: 0.5028
 Epoch 76/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_74:
 0.5100 - val_loss: 0.8457 - val_auc_74: 0.5076
 Epoch 77/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_74:
 0.5106 - val_loss: 0.8747 - val_auc_74: 0.5046
 Epoch 78/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8064 - auc_74:
 0.5088 - val_loss: 0.8108 - val_auc_74: 0.5061
 Epoch 79/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_74:
 0.5065 - val_loss: 0.7552 - val_auc_74: 0.5069
 Epoch 80/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7962 - auc_74:
 0.5093 - val_loss: 0.9133 - val_auc_74: 0.5081
 Epoch 81/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8061 - auc_74:
 0.5091 - val_loss: 0.8068 - val_auc_74: 0.5057
 Epoch 82/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_74:
 0.5100 - val_loss: 0.9198 - val_auc_74: 0.5024
 Epoch 83/200
 267/267 [=====] - 1s 3ms/step - loss: 0.8166 - auc_74:
 0.5068 - val_loss: 0.7997 - val_auc_74: 0.5030
 Epoch 84/200
 267/267 [=====] - 1s 4ms/step - loss: 0.8102 - auc_74:
 0.5100 - val_loss: 0.7375 - val_auc_74: 0.5069
 Epoch 85/200
 267/267 [=====] - 1s 4ms/step - loss: 0.7860 - auc_74:
 0.5084 - val_loss: 0.7893 - val_auc_74: 0.5036
 Epoch 86/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_74:
 0.5082 - val_loss: 0.8143 - val_auc_74: 0.5017
 Epoch 87/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7704 - auc_74:
 0.5098 - val_loss: 0.7311 - val_auc_74: 0.5029
 Epoch 88/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_74:
 0.5101 - val_loss: 0.7872 - val_auc_74: 0.5029
 Epoch 89/200
 267/267 [=====] - 1s 4ms/step - loss: 0.7923 - auc_74:
 0.5065 - val_loss: 0.7915 - val_auc_74: 0.5081
 Epoch 90/200

267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_74:
0.5088 - val_loss: 0.8461 - val_auc_74: 0.5031
Epoch 91/200
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_74:
0.5087 - val_loss: 0.7776 - val_auc_74: 0.5052
Epoch 92/200
267/267 [=====] - 1s 3ms/step - loss: 0.8206 - auc_74:
0.5094 - val_loss: 0.8557 - val_auc_74: 0.5053
Epoch 93/200
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_74:
0.5093 - val_loss: 0.8571 - val_auc_74: 0.5073
Epoch 94/200
267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_74:
0.5088 - val_loss: 0.7776 - val_auc_74: 0.5043
Epoch 95/200
267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_74:
0.5097 - val_loss: 0.7980 - val_auc_74: 0.5060
Epoch 96/200
267/267 [=====] - 1s 3ms/step - loss: 0.7688 - auc_74:
0.5130 - val_loss: 0.7633 - val_auc_74: 0.5083
Epoch 97/200
267/267 [=====] - 1s 3ms/step - loss: 0.7828 - auc_74:
0.5084 - val_loss: 0.7963 - val_auc_74: 0.5102
Epoch 98/200
267/267 [=====] - 1s 3ms/step - loss: 0.7962 - auc_74:
0.5099 - val_loss: 0.7699 - val_auc_74: 0.5038
Epoch 99/200
267/267 [=====] - 1s 3ms/step - loss: 0.7705 - auc_74:
0.5117 - val_loss: 0.8534 - val_auc_74: 0.5104
Epoch 100/200
267/267 [=====] - 1s 3ms/step - loss: 0.8024 - auc_74:
0.5115 - val_loss: 0.7555 - val_auc_74: 0.5052
Epoch 101/200
267/267 [=====] - 1s 3ms/step - loss: 0.8045 - auc_74:
0.5100 - val_loss: 0.8041 - val_auc_74: 0.5016
Epoch 102/200
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_74:
0.5095 - val_loss: 0.7809 - val_auc_74: 0.5028
Epoch 103/200
267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_74:
0.5101 - val_loss: 0.7825 - val_auc_74: 0.5070
Epoch 104/200
267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_74:
0.5092 - val_loss: 0.7701 - val_auc_74: 0.5037
Epoch 105/200
267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_74:
0.5103 - val_loss: 0.7937 - val_auc_74: 0.5050
Epoch 106/200

267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_74:
0.5088 - val_loss: 0.8861 - val_auc_74: 0.5028
Epoch 107/200
267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_74:
0.5097 - val_loss: 0.7440 - val_auc_74: 0.5032
Epoch 108/200
267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_74:
0.5089 - val_loss: 0.7570 - val_auc_74: 0.4990
Epoch 109/200
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_74:
0.5090 - val_loss: 0.7575 - val_auc_74: 0.5030
Epoch 110/200
267/267 [=====] - 1s 3ms/step - loss: 0.7746 - auc_74:
0.5101 - val_loss: 0.7688 - val_auc_74: 0.5026
Epoch 111/200
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_74:
0.5105 - val_loss: 0.8707 - val_auc_74: 0.5003
Epoch 112/200
267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_74:
0.5095 - val_loss: 0.7377 - val_auc_74: 0.5068
Epoch 113/200
267/267 [=====] - 1s 3ms/step - loss: 0.7935 - auc_74:
0.5101 - val_loss: 0.8219 - val_auc_74: 0.5062
Epoch 114/200
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_74:
0.5114 - val_loss: 0.8425 - val_auc_74: 0.5036
Epoch 115/200
267/267 [=====] - 1s 3ms/step - loss: 0.8396 - auc_74:
0.5090 - val_loss: 0.8578 - val_auc_74: 0.5037
Epoch 116/200
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_74:
0.5101 - val_loss: 0.8483 - val_auc_74: 0.5090
Epoch 117/200
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_74:
0.5112 - val_loss: 0.7675 - val_auc_74: 0.5031
Epoch 118/200
267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_74:
0.5095 - val_loss: 0.8527 - val_auc_74: 0.5042
Epoch 119/200
267/267 [=====] - 1s 3ms/step - loss: 0.8239 - auc_74:
0.5097 - val_loss: 0.8128 - val_auc_74: 0.5065
Epoch 120/200
267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_74:
0.5093 - val_loss: 0.7797 - val_auc_74: 0.5065
Epoch 121/200
267/267 [=====] - 1s 3ms/step - loss: 0.8105 - auc_74:
0.5093 - val_loss: 0.7173 - val_auc_74: 0.5080
Epoch 122/200

267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_74:
0.5092 - val_loss: 0.7368 - val_auc_74: 0.5049
Epoch 123/200
267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_74:
0.5092 - val_loss: 0.8023 - val_auc_74: 0.5056
Epoch 124/200
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_74:
0.5090 - val_loss: 0.7524 - val_auc_74: 0.5091
Epoch 125/200
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_74:
0.5094 - val_loss: 0.7302 - val_auc_74: 0.5072
Epoch 126/200
267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_74:
0.5104 - val_loss: 0.7897 - val_auc_74: 0.5065
Epoch 127/200
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_74:
0.5117 - val_loss: 0.7802 - val_auc_74: 0.5052
Epoch 128/200
267/267 [=====] - 1s 3ms/step - loss: 0.7959 - auc_74:
0.5094 - val_loss: 0.7392 - val_auc_74: 0.5093
Epoch 129/200
267/267 [=====] - 1s 3ms/step - loss: 0.7976 - auc_74:
0.5108 - val_loss: 0.7776 - val_auc_74: 0.5074
Epoch 130/200
267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_74:
0.5114 - val_loss: 0.7911 - val_auc_74: 0.5020
Epoch 131/200
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_74:
0.5098 - val_loss: 0.9326 - val_auc_74: 0.5079
Epoch 132/200
267/267 [=====] - 1s 3ms/step - loss: 0.8039 - auc_74:
0.5113 - val_loss: 0.7631 - val_auc_74: 0.5061
Epoch 133/200
267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_74:
0.5121 - val_loss: 0.7803 - val_auc_74: 0.5059
Epoch 134/200
267/267 [=====] - 1s 3ms/step - loss: 0.7836 - auc_74:
0.5125 - val_loss: 0.8331 - val_auc_74: 0.5048
Epoch 135/200
267/267 [=====] - 1s 3ms/step - loss: 0.8016 - auc_74:
0.5079 - val_loss: 0.7898 - val_auc_74: 0.5070
Epoch 136/200
267/267 [=====] - 1s 3ms/step - loss: 0.8000 - auc_74:
0.5109 - val_loss: 0.8451 - val_auc_74: 0.5093
Epoch 137/200
267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_74:
0.5108 - val_loss: 0.7550 - val_auc_74: 0.5025
Epoch 138/200

267/267 [=====] - 1s 3ms/step - loss: 0.8178 - auc_74:
0.5123 - val_loss: 0.7526 - val_auc_74: 0.5078
Epoch 139/200
267/267 [=====] - 1s 3ms/step - loss: 0.7919 - auc_74:
0.5072 - val_loss: 0.7675 - val_auc_74: 0.5063
Epoch 140/200
267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_74:
0.5096 - val_loss: 0.7861 - val_auc_74: 0.5129
Epoch 141/200
267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_74:
0.5109 - val_loss: 0.7927 - val_auc_74: 0.5083
Epoch 142/200
267/267 [=====] - 1s 3ms/step - loss: 0.7593 - auc_74:
0.5122 - val_loss: 0.7477 - val_auc_74: 0.5058
Epoch 143/200
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_74:
0.5117 - val_loss: 0.8147 - val_auc_74: 0.5014
Epoch 144/200
267/267 [=====] - 1s 3ms/step - loss: 0.7746 - auc_74:
0.5094 - val_loss: 0.7400 - val_auc_74: 0.5053
Epoch 145/200
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_74:
0.5102 - val_loss: 0.7601 - val_auc_74: 0.5076
Epoch 146/200
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_74:
0.5120 - val_loss: 0.7730 - val_auc_74: 0.5015
Epoch 147/200
267/267 [=====] - 1s 3ms/step - loss: 0.8054 - auc_74:
0.5109 - val_loss: 0.7534 - val_auc_74: 0.5064
Epoch 148/200
267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_74:
0.5094 - val_loss: 0.7384 - val_auc_74: 0.5108
Epoch 149/200
267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_74:
0.5120 - val_loss: 0.7832 - val_auc_74: 0.5065
Epoch 150/200
267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_74:
0.5126 - val_loss: 0.7741 - val_auc_74: 0.5083
Epoch 151/200
267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_74:
0.5097 - val_loss: 0.8806 - val_auc_74: 0.5110
Epoch 152/200
267/267 [=====] - 1s 3ms/step - loss: 0.7699 - auc_74:
0.5116 - val_loss: 0.7744 - val_auc_74: 0.5070
Epoch 153/200
267/267 [=====] - 1s 3ms/step - loss: 0.8012 - auc_74:
0.5090 - val_loss: 0.7461 - val_auc_74: 0.5068
Epoch 154/200

267/267 [=====] - 1s 3ms/step - loss: 0.7604 - auc_74:
 0.5114 - val_loss: 0.9091 - val_auc_74: 0.5032
 Epoch 155/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7967 - auc_74:
 0.5124 - val_loss: 0.7578 - val_auc_74: 0.5056
 Epoch 156/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7640 - auc_74:
 0.5117 - val_loss: 0.8309 - val_auc_74: 0.5045
 Epoch 157/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_74:
 0.5088 - val_loss: 0.9396 - val_auc_74: 0.5042
 Epoch 158/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_74:
 0.5107 - val_loss: 0.7754 - val_auc_74: 0.5044
 Epoch 159/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_74:
 0.5098 - val_loss: 0.7958 - val_auc_74: 0.5039
 Epoch 160/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7986 - auc_74:
 0.5085 - val_loss: 0.8312 - val_auc_74: 0.5008
 Epoch 161/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_74:
 0.5115 - val_loss: 0.7889 - val_auc_74: 0.5065
 Epoch 162/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_74:
 0.5118 - val_loss: 0.7467 - val_auc_74: 0.5059
 Epoch 163/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7871 - auc_74:
 0.5094 - val_loss: 0.8458 - val_auc_74: 0.5017
 Epoch 164/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_74:
 0.5104 - val_loss: 0.8263 - val_auc_74: 0.5027
 Epoch 165/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_74:
 0.5125 - val_loss: 0.7552 - val_auc_74: 0.5056
 Epoch 166/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_74:
 0.5115 - val_loss: 0.7490 - val_auc_74: 0.5041
 Epoch 167/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_74:
 0.5106 - val_loss: 0.7836 - val_auc_74: 0.5082
 Epoch 168/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_74:
 0.5114 - val_loss: 0.8150 - val_auc_74: 0.5049
 Epoch 169/200
 267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_74:
 0.5107 - val_loss: 0.7294 - val_auc_74: 0.5024
 Epoch 170/200

267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_74:
0.5128 - val_loss: 0.7660 - val_auc_74: 0.5061
Epoch 171/200
267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_74:
0.5106 - val_loss: 0.8280 - val_auc_74: 0.5094
Epoch 172/200
267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_74:
0.5113 - val_loss: 0.8767 - val_auc_74: 0.5083
Epoch 173/200
267/267 [=====] - 1s 3ms/step - loss: 0.8271 - auc_74:
0.5123 - val_loss: 0.7931 - val_auc_74: 0.5078
Epoch 174/200
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_74:
0.5112 - val_loss: 0.7640 - val_auc_74: 0.5065
Epoch 175/200
267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_74:
0.5128 - val_loss: 0.7980 - val_auc_74: 0.5030
Epoch 176/200
267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_74:
0.5126 - val_loss: 0.8318 - val_auc_74: 0.5073
Epoch 177/200
267/267 [=====] - 1s 3ms/step - loss: 0.7690 - auc_74:
0.5116 - val_loss: 0.7977 - val_auc_74: 0.5045
Epoch 178/200
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_74:
0.5124 - val_loss: 0.7974 - val_auc_74: 0.5094
Epoch 179/200
267/267 [=====] - 1s 3ms/step - loss: 0.8087 - auc_74:
0.5132 - val_loss: 0.7387 - val_auc_74: 0.5064
Epoch 180/200
267/267 [=====] - 1s 3ms/step - loss: 0.7639 - auc_74:
0.5109 - val_loss: 0.8242 - val_auc_74: 0.5039
Epoch 181/200
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_74:
0.5099 - val_loss: 0.7909 - val_auc_74: 0.5029
Epoch 182/200
267/267 [=====] - 1s 3ms/step - loss: 0.7924 - auc_74:
0.5121 - val_loss: 0.7560 - val_auc_74: 0.5064
Epoch 183/200
267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_74:
0.5126 - val_loss: 0.8273 - val_auc_74: 0.4978
Epoch 184/200
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_74:
0.5095 - val_loss: 0.7328 - val_auc_74: 0.5082
Epoch 185/200
267/267 [=====] - 1s 3ms/step - loss: 0.7954 - auc_74:
0.5128 - val_loss: 0.8433 - val_auc_74: 0.4971
Epoch 186/200


```

267/267 [=====] - 1s 3ms/step - loss: 0.8087 - auc_74:
0.5129 - val_loss: 0.8089 - val_auc_74: 0.5016
Epoch 187/200
267/267 [=====] - 1s 3ms/step - loss: 0.8248 - auc_74:
0.5110 - val_loss: 0.8226 - val_auc_74: 0.5059
Epoch 188/200
267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_74:
0.5113 - val_loss: 0.8233 - val_auc_74: 0.5098
Epoch 189/200
267/267 [=====] - 1s 3ms/step - loss: 0.7668 - auc_74:
0.5112 - val_loss: 0.7572 - val_auc_74: 0.5091
Epoch 190/200
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_74:
0.5116 - val_loss: 0.8032 - val_auc_74: 0.5072
Epoch 191/200
267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_74:
0.5115 - val_loss: 0.7580 - val_auc_74: 0.5037
Epoch 192/200
267/267 [=====] - 1s 3ms/step - loss: 0.8169 - auc_74:
0.5106 - val_loss: 0.7431 - val_auc_74: 0.5044
Epoch 193/200
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_74:
0.5134 - val_loss: 0.7659 - val_auc_74: 0.5059
Epoch 194/200
267/267 [=====] - 1s 3ms/step - loss: 0.8045 - auc_74:
0.5124 - val_loss: 0.8687 - val_auc_74: 0.5048
Epoch 195/200
267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_74:
0.5117 - val_loss: 0.7488 - val_auc_74: 0.5050
Epoch 196/200
267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_74:
0.5131 - val_loss: 0.7347 - val_auc_74: 0.5057
Epoch 197/200
267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_74:
0.5117 - val_loss: 0.7502 - val_auc_74: 0.5060
Epoch 198/200
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_74:
0.5121 - val_loss: 0.7918 - val_auc_74: 0.5059
Epoch 199/200
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_74:
0.5115 - val_loss: 0.8055 - val_auc_74: 0.5064
Epoch 200/200
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_74:
0.5114 - val_loss: 0.7923 - val_auc_74: 0.5016
625/625 [=====] - 0s 546us/step
[CV] ... epochs=200, learning_rate=0.001, score=0.508, total= 2.6min
[CV] epochs=200, learning_rate=0.001 ...

```

[Parallel(n_jobs=1)]: Done 4 out of 4 | elapsed: 10.4min remaining: 0.0s

Epoch 1/200

267/267 [=====] - 1s 4ms/step - loss: 5.6740 - auc_75: 0.5118 - val_loss: 3.0062 - val_auc_75: 0.5203

Epoch 2/200

267/267 [=====] - 1s 3ms/step - loss: 1.7661 - auc_75: 0.5081 - val_loss: 1.0282 - val_auc_75: 0.5154

Epoch 3/200

267/267 [=====] - 1s 3ms/step - loss: 0.9509 - auc_75: 0.5092 - val_loss: 0.9082 - val_auc_75: 0.5167

Epoch 4/200

267/267 [=====] - 1s 3ms/step - loss: 0.9612 - auc_75: 0.5104 - val_loss: 1.2532 - val_auc_75: 0.5111

Epoch 5/200

267/267 [=====] - 1s 3ms/step - loss: 0.9583 - auc_75: 0.5090 - val_loss: 0.8934 - val_auc_75: 0.5155

Epoch 6/200

267/267 [=====] - 1s 3ms/step - loss: 0.9430 - auc_75: 0.5070 - val_loss: 0.9080 - val_auc_75: 0.5152

Epoch 7/200

267/267 [=====] - 1s 3ms/step - loss: 0.9198 - auc_75: 0.5093 - val_loss: 0.9476 - val_auc_75: 0.5135

Epoch 8/200

267/267 [=====] - 1s 3ms/step - loss: 0.9316 - auc_75: 0.5079 - val_loss: 0.9672 - val_auc_75: 0.5114

Epoch 9/200

267/267 [=====] - 1s 3ms/step - loss: 0.9100 - auc_75: 0.5100 - val_loss: 0.8823 - val_auc_75: 0.5141

Epoch 10/200

267/267 [=====] - 1s 3ms/step - loss: 0.8871 - auc_75: 0.5109 - val_loss: 0.8538 - val_auc_75: 0.5089

Epoch 11/200

267/267 [=====] - 1s 3ms/step - loss: 0.8890 - auc_75: 0.5088 - val_loss: 0.9257 - val_auc_75: 0.5088

Epoch 12/200

267/267 [=====] - 1s 3ms/step - loss: 0.8954 - auc_75: 0.5105 - val_loss: 0.8605 - val_auc_75: 0.5094

Epoch 13/200

267/267 [=====] - 1s 3ms/step - loss: 0.8987 - auc_75: 0.5116 - val_loss: 0.8343 - val_auc_75: 0.5099

Epoch 14/200

267/267 [=====] - 1s 3ms/step - loss: 0.8706 - auc_75: 0.5099 - val_loss: 0.8005 - val_auc_75: 0.5163

Epoch 15/200

267/267 [=====] - 1s 3ms/step - loss: 0.8800 - auc_75: 0.5109 - val_loss: 0.9401 - val_auc_75: 0.5112

Epoch 16/200

267/267 [=====] - 1s 3ms/step - loss: 0.8807 - auc_75:
0.5072 - val_loss: 0.8422 - val_auc_75: 0.5093
Epoch 17/200
267/267 [=====] - 1s 3ms/step - loss: 0.8705 - auc_75:
0.5091 - val_loss: 0.8562 - val_auc_75: 0.5124
Epoch 18/200
267/267 [=====] - 1s 3ms/step - loss: 0.8525 - auc_75:
0.5107 - val_loss: 0.8478 - val_auc_75: 0.5065
Epoch 19/200
267/267 [=====] - 1s 3ms/step - loss: 0.8599 - auc_75:
0.5100 - val_loss: 0.8720 - val_auc_75: 0.5118
Epoch 20/200
267/267 [=====] - 1s 3ms/step - loss: 0.8573 - auc_75:
0.5105 - val_loss: 0.8809 - val_auc_75: 0.5118
Epoch 21/200
267/267 [=====] - 1s 3ms/step - loss: 0.8628 - auc_75:
0.5100 - val_loss: 0.8409 - val_auc_75: 0.5090
Epoch 22/200
267/267 [=====] - 1s 3ms/step - loss: 0.8572 - auc_75:
0.5083 - val_loss: 0.8664 - val_auc_75: 0.5165
Epoch 23/200
267/267 [=====] - 1s 3ms/step - loss: 0.8572 - auc_75:
0.5119 - val_loss: 0.8281 - val_auc_75: 0.5124
Epoch 24/200
267/267 [=====] - 1s 3ms/step - loss: 0.8528 - auc_75:
0.5106 - val_loss: 0.7979 - val_auc_75: 0.5063
Epoch 25/200
267/267 [=====] - 1s 3ms/step - loss: 0.8381 - auc_75:
0.5114 - val_loss: 0.8904 - val_auc_75: 0.5080
Epoch 26/200
267/267 [=====] - 1s 3ms/step - loss: 0.8480 - auc_75:
0.5079 - val_loss: 0.7755 - val_auc_75: 0.5098
Epoch 27/200
267/267 [=====] - 1s 3ms/step - loss: 0.8488 - auc_75:
0.5109 - val_loss: 0.8055 - val_auc_75: 0.5109
Epoch 28/200
267/267 [=====] - 1s 3ms/step - loss: 0.7996 - auc_75:
0.5102 - val_loss: 0.8300 - val_auc_75: 0.5075
Epoch 29/200
267/267 [=====] - 1s 3ms/step - loss: 0.8088 - auc_75:
0.5123 - val_loss: 0.8174 - val_auc_75: 0.5087
Epoch 30/200
267/267 [=====] - 1s 3ms/step - loss: 0.8436 - auc_75:
0.5082 - val_loss: 0.8633 - val_auc_75: 0.5089
Epoch 31/200
267/267 [=====] - 1s 3ms/step - loss: 0.8065 - auc_75:
0.5118 - val_loss: 0.8580 - val_auc_75: 0.5150
Epoch 32/200

267/267 [=====] - 1s 3ms/step - loss: 0.8192 - auc_75:
0.5089 - val_loss: 0.8277 - val_auc_75: 0.5102
Epoch 33/200
267/267 [=====] - 1s 3ms/step - loss: 0.8015 - auc_75:
0.5114 - val_loss: 0.8156 - val_auc_75: 0.5101
Epoch 34/200
267/267 [=====] - 1s 3ms/step - loss: 0.8241 - auc_75:
0.5111 - val_loss: 0.7702 - val_auc_75: 0.5127
Epoch 35/200
267/267 [=====] - 1s 3ms/step - loss: 0.8305 - auc_75:
0.5110 - val_loss: 0.8223 - val_auc_75: 0.5036
Epoch 36/200
267/267 [=====] - 1s 3ms/step - loss: 0.8128 - auc_75:
0.5109 - val_loss: 0.7673 - val_auc_75: 0.5082
Epoch 37/200
267/267 [=====] - 1s 3ms/step - loss: 0.8087 - auc_75:
0.5090 - val_loss: 0.7718 - val_auc_75: 0.5110
Epoch 38/200
267/267 [=====] - 1s 3ms/step - loss: 0.8288 - auc_75:
0.5099 - val_loss: 0.7967 - val_auc_75: 0.5044
Epoch 39/200
267/267 [=====] - 1s 3ms/step - loss: 0.8133 - auc_75:
0.5098 - val_loss: 0.8940 - val_auc_75: 0.5067
Epoch 40/200
267/267 [=====] - 1s 3ms/step - loss: 0.7975 - auc_75:
0.5097 - val_loss: 0.7961 - val_auc_75: 0.5045
Epoch 41/200
267/267 [=====] - 1s 3ms/step - loss: 0.8013 - auc_75:
0.5122 - val_loss: 0.7589 - val_auc_75: 0.5093
Epoch 42/200
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_75:
0.5109 - val_loss: 0.8291 - val_auc_75: 0.5028
Epoch 43/200
267/267 [=====] - 1s 3ms/step - loss: 0.7995 - auc_75:
0.5101 - val_loss: 0.8133 - val_auc_75: 0.5041
Epoch 44/200
267/267 [=====] - 1s 3ms/step - loss: 0.8084 - auc_75:
0.5105 - val_loss: 0.8190 - val_auc_75: 0.5091
Epoch 45/200
267/267 [=====] - 1s 3ms/step - loss: 0.8054 - auc_75:
0.5098 - val_loss: 0.8891 - val_auc_75: 0.5068
Epoch 46/200
267/267 [=====] - 1s 3ms/step - loss: 0.8024 - auc_75:
0.5123 - val_loss: 0.8294 - val_auc_75: 0.5100
Epoch 47/200
267/267 [=====] - 1s 3ms/step - loss: 0.8033 - auc_75:
0.5112 - val_loss: 0.7968 - val_auc_75: 0.5120
Epoch 48/200

267/267 [=====] - 1s 3ms/step - loss: 0.8121 - auc_75:
0.5123 - val_loss: 1.0646 - val_auc_75: 0.5075
Epoch 49/200
267/267 [=====] - 1s 3ms/step - loss: 0.8008 - auc_75:
0.5100 - val_loss: 0.7779 - val_auc_75: 0.5067
Epoch 50/200
267/267 [=====] - 1s 3ms/step - loss: 0.8257 - auc_75:
0.5125 - val_loss: 0.8289 - val_auc_75: 0.5093
Epoch 51/200
267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_75:
0.5112 - val_loss: 0.7854 - val_auc_75: 0.5062
Epoch 52/200
267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_75:
0.5090 - val_loss: 0.7854 - val_auc_75: 0.5094
Epoch 53/200
267/267 [=====] - 1s 3ms/step - loss: 0.8019 - auc_75:
0.5136 - val_loss: 0.7846 - val_auc_75: 0.5103
Epoch 54/200
267/267 [=====] - 1s 3ms/step - loss: 0.8080 - auc_75:
0.5109 - val_loss: 0.8271 - val_auc_75: 0.5070
Epoch 55/200
267/267 [=====] - 1s 3ms/step - loss: 0.8008 - auc_75:
0.5132 - val_loss: 0.7634 - val_auc_75: 0.5105
Epoch 56/200
267/267 [=====] - 1s 3ms/step - loss: 0.8008 - auc_75:
0.5120 - val_loss: 0.9756 - val_auc_75: 0.5115
Epoch 57/200
267/267 [=====] - 1s 3ms/step - loss: 0.8175 - auc_75:
0.5102 - val_loss: 0.8075 - val_auc_75: 0.5046
Epoch 58/200
267/267 [=====] - 1s 3ms/step - loss: 0.7890 - auc_75:
0.5131 - val_loss: 0.8313 - val_auc_75: 0.5072
Epoch 59/200
267/267 [=====] - 1s 3ms/step - loss: 0.8072 - auc_75:
0.5105 - val_loss: 0.8066 - val_auc_75: 0.5074
Epoch 60/200
267/267 [=====] - 1s 3ms/step - loss: 0.7993 - auc_75:
0.5103 - val_loss: 0.7755 - val_auc_75: 0.5062
Epoch 61/200
267/267 [=====] - 1s 3ms/step - loss: 0.8164 - auc_75:
0.5116 - val_loss: 0.9429 - val_auc_75: 0.5078
Epoch 62/200
267/267 [=====] - 1s 3ms/step - loss: 0.8256 - auc_75:
0.5114 - val_loss: 0.8770 - val_auc_75: 0.5064
Epoch 63/200
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_75:
0.5117 - val_loss: 0.8794 - val_auc_75: 0.5078
Epoch 64/200

267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_75:
0.5107 - val_loss: 0.8398 - val_auc_75: 0.5021
Epoch 65/200
267/267 [=====] - 1s 4ms/step - loss: 0.7845 - auc_75:
0.5138 - val_loss: 0.7416 - val_auc_75: 0.5091
Epoch 66/200
267/267 [=====] - 1s 3ms/step - loss: 0.7982 - auc_75:
0.5107 - val_loss: 0.7346 - val_auc_75: 0.5115
Epoch 67/200
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_75:
0.5112 - val_loss: 0.7520 - val_auc_75: 0.5061
Epoch 68/200
267/267 [=====] - 1s 4ms/step - loss: 0.8183 - auc_75:
0.5130 - val_loss: 0.8300 - val_auc_75: 0.5105
Epoch 69/200
267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_75:
0.5128 - val_loss: 0.8004 - val_auc_75: 0.5068
Epoch 70/200
267/267 [=====] - 1s 3ms/step - loss: 0.8090 - auc_75:
0.5104 - val_loss: 0.7944 - val_auc_75: 0.5080
Epoch 71/200
267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_75:
0.5120 - val_loss: 0.7938 - val_auc_75: 0.5111
Epoch 72/200
267/267 [=====] - 1s 3ms/step - loss: 0.8088 - auc_75:
0.5106 - val_loss: 0.7885 - val_auc_75: 0.5157
Epoch 73/200
267/267 [=====] - 1s 3ms/step - loss: 0.8328 - auc_75:
0.5100 - val_loss: 0.7713 - val_auc_75: 0.5067
Epoch 74/200
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_75:
0.5129 - val_loss: 0.8666 - val_auc_75: 0.5073
Epoch 75/200
267/267 [=====] - 1s 3ms/step - loss: 0.8023 - auc_75:
0.5127 - val_loss: 0.7709 - val_auc_75: 0.5043
Epoch 76/200
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_75:
0.5133 - val_loss: 0.8067 - val_auc_75: 0.5131
Epoch 77/200
267/267 [=====] - 1s 3ms/step - loss: 0.7836 - auc_75:
0.5118 - val_loss: 0.7943 - val_auc_75: 0.5129
Epoch 78/200
267/267 [=====] - 1s 3ms/step - loss: 0.8064 - auc_75:
0.5135 - val_loss: 0.8902 - val_auc_75: 0.5046
Epoch 79/200
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_75:
0.5114 - val_loss: 0.8014 - val_auc_75: 0.5055
Epoch 80/200

267/267 [=====] - 1s 3ms/step - loss: 0.8001 - auc_75:
0.5121 - val_loss: 0.7822 - val_auc_75: 0.5048
Epoch 81/200
267/267 [=====] - 1s 3ms/step - loss: 0.7839 - auc_75:
0.5122 - val_loss: 0.7616 - val_auc_75: 0.5094
Epoch 82/200
267/267 [=====] - 1s 3ms/step - loss: 0.8023 - auc_75:
0.5120 - val_loss: 0.7606 - val_auc_75: 0.5089
Epoch 83/200
267/267 [=====] - 1s 3ms/step - loss: 0.8163 - auc_75:
0.5121 - val_loss: 0.8066 - val_auc_75: 0.5078
Epoch 84/200
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_75:
0.5110 - val_loss: 0.7516 - val_auc_75: 0.5134
Epoch 85/200
267/267 [=====] - 1s 3ms/step - loss: 0.8081 - auc_75:
0.5109 - val_loss: 0.8168 - val_auc_75: 0.5083
Epoch 86/200
267/267 [=====] - 1s 3ms/step - loss: 0.8042 - auc_75:
0.5126 - val_loss: 0.7783 - val_auc_75: 0.5096
Epoch 87/200
267/267 [=====] - 1s 3ms/step - loss: 0.8059 - auc_75:
0.5126 - val_loss: 0.7502 - val_auc_75: 0.5092
Epoch 88/200
267/267 [=====] - 1s 3ms/step - loss: 0.7942 - auc_75:
0.5122 - val_loss: 0.7829 - val_auc_75: 0.5085
Epoch 89/200
267/267 [=====] - 1s 3ms/step - loss: 0.8150 - auc_75:
0.5135 - val_loss: 0.7694 - val_auc_75: 0.5128
Epoch 90/200
267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_75:
0.5124 - val_loss: 0.7617 - val_auc_75: 0.5079
Epoch 91/200
267/267 [=====] - 1s 3ms/step - loss: 0.7982 - auc_75:
0.5138 - val_loss: 0.8163 - val_auc_75: 0.5097
Epoch 92/200
267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_75:
0.5113 - val_loss: 0.8736 - val_auc_75: 0.5100
Epoch 93/200
267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_75:
0.5125 - val_loss: 0.7984 - val_auc_75: 0.5026
Epoch 94/200
267/267 [=====] - 1s 3ms/step - loss: 0.8023 - auc_75:
0.5120 - val_loss: 0.7667 - val_auc_75: 0.5101
Epoch 95/200
267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_75:
0.5126 - val_loss: 0.8147 - val_auc_75: 0.5077
Epoch 96/200

267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_75:
0.5096 - val_loss: 0.7560 - val_auc_75: 0.5110
Epoch 97/200
267/267 [=====] - 1s 3ms/step - loss: 0.7959 - auc_75:
0.5141 - val_loss: 0.7294 - val_auc_75: 0.5154
Epoch 98/200
267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_75:
0.5118 - val_loss: 0.7412 - val_auc_75: 0.5075
Epoch 99/200
267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_75:
0.5145 - val_loss: 0.8273 - val_auc_75: 0.5105
Epoch 100/200
267/267 [=====] - 1s 3ms/step - loss: 0.8023 - auc_75:
0.5128 - val_loss: 0.7731 - val_auc_75: 0.5098
Epoch 101/200
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_75:
0.5130 - val_loss: 0.8115 - val_auc_75: 0.5102
Epoch 102/200
267/267 [=====] - 1s 3ms/step - loss: 0.7921 - auc_75:
0.5140 - val_loss: 0.7768 - val_auc_75: 0.5106
Epoch 103/200
267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_75:
0.5126 - val_loss: 0.7427 - val_auc_75: 0.5089
Epoch 104/200
267/267 [=====] - 1s 3ms/step - loss: 0.8019 - auc_75:
0.5149 - val_loss: 0.7841 - val_auc_75: 0.5069
Epoch 105/200
267/267 [=====] - 1s 3ms/step - loss: 0.7983 - auc_75:
0.5117 - val_loss: 0.7851 - val_auc_75: 0.5079
Epoch 106/200
267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_75:
0.5129 - val_loss: 0.8568 - val_auc_75: 0.5068
Epoch 107/200
267/267 [=====] - 1s 3ms/step - loss: 0.8486 - auc_75:
0.5121 - val_loss: 0.7895 - val_auc_75: 0.5078
Epoch 108/200
267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_75:
0.5136 - val_loss: 0.8227 - val_auc_75: 0.5140
Epoch 109/200
267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_75:
0.5121 - val_loss: 0.7670 - val_auc_75: 0.5088
Epoch 110/200
267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_75:
0.5131 - val_loss: 0.7927 - val_auc_75: 0.5091
Epoch 111/200
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_75:
0.5135 - val_loss: 0.7619 - val_auc_75: 0.5110
Epoch 112/200

267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_75:
0.5141 - val_loss: 0.7800 - val_auc_75: 0.5108
Epoch 113/200
267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_75:
0.5137 - val_loss: 0.7841 - val_auc_75: 0.5099
Epoch 114/200
267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_75:
0.5142 - val_loss: 0.7723 - val_auc_75: 0.5083
Epoch 115/200
267/267 [=====] - 1s 3ms/step - loss: 0.8167 - auc_75:
0.5127 - val_loss: 0.8567 - val_auc_75: 0.5104
Epoch 116/200
267/267 [=====] - 1s 3ms/step - loss: 0.8045 - auc_75:
0.5139 - val_loss: 0.7600 - val_auc_75: 0.5083
Epoch 117/200
267/267 [=====] - 1s 3ms/step - loss: 0.7831 - auc_75:
0.5158 - val_loss: 0.7250 - val_auc_75: 0.5107
Epoch 118/200
267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_75:
0.5139 - val_loss: 0.8577 - val_auc_75: 0.5071
Epoch 119/200
267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_75:
0.5121 - val_loss: 0.7380 - val_auc_75: 0.5137
Epoch 120/200
267/267 [=====] - 1s 3ms/step - loss: 0.8121 - auc_75:
0.5119 - val_loss: 0.7609 - val_auc_75: 0.5071
Epoch 121/200
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_75:
0.5123 - val_loss: 0.7964 - val_auc_75: 0.5033
Epoch 122/200
267/267 [=====] - 1s 3ms/step - loss: 0.8014 - auc_75:
0.5136 - val_loss: 0.8107 - val_auc_75: 0.5119
Epoch 123/200
267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_75:
0.5139 - val_loss: 0.8545 - val_auc_75: 0.5060
Epoch 124/200
267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_75:
0.5116 - val_loss: 0.7541 - val_auc_75: 0.5131
Epoch 125/200
267/267 [=====] - 1s 3ms/step - loss: 0.8023 - auc_75:
0.5144 - val_loss: 0.7635 - val_auc_75: 0.5041
Epoch 126/200
267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_75:
0.5108 - val_loss: 0.8070 - val_auc_75: 0.5074
Epoch 127/200
267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_75:
0.5136 - val_loss: 0.7568 - val_auc_75: 0.5106
Epoch 128/200

267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_75:
0.5142 - val_loss: 0.7276 - val_auc_75: 0.5114
Epoch 129/200
267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_75:
0.5128 - val_loss: 0.7800 - val_auc_75: 0.5037
Epoch 130/200
267/267 [=====] - 1s 3ms/step - loss: 0.8089 - auc_75:
0.5125 - val_loss: 0.7433 - val_auc_75: 0.5128
Epoch 131/200
267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_75:
0.5131 - val_loss: 0.9314 - val_auc_75: 0.5129
Epoch 132/200
267/267 [=====] - 1s 3ms/step - loss: 0.8078 - auc_75:
0.5114 - val_loss: 0.8386 - val_auc_75: 0.5117
Epoch 133/200
267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_75:
0.5136 - val_loss: 0.7369 - val_auc_75: 0.5161
Epoch 134/200
267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_75:
0.5143 - val_loss: 0.8255 - val_auc_75: 0.5037
Epoch 135/200
267/267 [=====] - 1s 3ms/step - loss: 0.8003 - auc_75:
0.5154 - val_loss: 0.7983 - val_auc_75: 0.5069
Epoch 136/200
267/267 [=====] - 1s 3ms/step - loss: 0.8084 - auc_75:
0.5149 - val_loss: 0.8049 - val_auc_75: 0.5051
Epoch 137/200
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_75:
0.5160 - val_loss: 0.8420 - val_auc_75: 0.5071
Epoch 138/200
267/267 [=====] - 1s 3ms/step - loss: 0.8146 - auc_75:
0.5154 - val_loss: 0.7280 - val_auc_75: 0.5030
Epoch 139/200
267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_75:
0.5144 - val_loss: 0.7597 - val_auc_75: 0.5040
Epoch 140/200
267/267 [=====] - 1s 3ms/step - loss: 0.8127 - auc_75:
0.5127 - val_loss: 0.8275 - val_auc_75: 0.5102
Epoch 141/200
267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_75:
0.5148 - val_loss: 0.7778 - val_auc_75: 0.5105
Epoch 142/200
267/267 [=====] - 1s 3ms/step - loss: 0.7714 - auc_75:
0.5150 - val_loss: 0.7877 - val_auc_75: 0.5076
Epoch 143/200
267/267 [=====] - 1s 3ms/step - loss: 0.7702 - auc_75:
0.5152 - val_loss: 0.7835 - val_auc_75: 0.5134
Epoch 144/200

267/267 [=====] - 1s 3ms/step - loss: 0.7991 - auc_75:
0.5145 - val_loss: 0.7510 - val_auc_75: 0.5100
Epoch 145/200
267/267 [=====] - 1s 3ms/step - loss: 0.8040 - auc_75:
0.5159 - val_loss: 0.7814 - val_auc_75: 0.5102
Epoch 146/200
267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_75:
0.5156 - val_loss: 0.8013 - val_auc_75: 0.5108
Epoch 147/200
267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_75:
0.5135 - val_loss: 0.7395 - val_auc_75: 0.5087
Epoch 148/200
267/267 [=====] - 1s 3ms/step - loss: 0.8027 - auc_75:
0.5130 - val_loss: 0.7939 - val_auc_75: 0.5098
Epoch 149/200
267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_75:
0.5154 - val_loss: 0.8377 - val_auc_75: 0.5077
Epoch 150/200
267/267 [=====] - 1s 3ms/step - loss: 0.8132 - auc_75:
0.5146 - val_loss: 0.8264 - val_auc_75: 0.5098
Epoch 151/200
267/267 [=====] - 1s 3ms/step - loss: 0.8274 - auc_75:
0.5146 - val_loss: 0.8172 - val_auc_75: 0.5046
Epoch 152/200
267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_75:
0.5149 - val_loss: 0.7888 - val_auc_75: 0.5053
Epoch 153/200
267/267 [=====] - 1s 3ms/step - loss: 0.7717 - auc_75:
0.5152 - val_loss: 0.8754 - val_auc_75: 0.5037
Epoch 154/200
267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_75:
0.5159 - val_loss: 0.7456 - val_auc_75: 0.5074
Epoch 155/200
267/267 [=====] - 1s 3ms/step - loss: 0.8064 - auc_75:
0.5138 - val_loss: 1.0049 - val_auc_75: 0.4994
Epoch 156/200
267/267 [=====] - 1s 3ms/step - loss: 0.7923 - auc_75:
0.5141 - val_loss: 0.7832 - val_auc_75: 0.5012
Epoch 157/200
267/267 [=====] - 1s 3ms/step - loss: 0.7750 - auc_75:
0.5152 - val_loss: 0.7385 - val_auc_75: 0.5128
Epoch 158/200
267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_75:
0.5164 - val_loss: 0.7735 - val_auc_75: 0.5094
Epoch 159/200
267/267 [=====] - 1s 3ms/step - loss: 0.8086 - auc_75:
0.5153 - val_loss: 0.8018 - val_auc_75: 0.5014
Epoch 160/200

267/267 [=====] - 1s 3ms/step - loss: 0.7689 - auc_75:
0.5158 - val_loss: 0.7596 - val_auc_75: 0.5092
Epoch 161/200
267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_75:
0.5151 - val_loss: 0.7553 - val_auc_75: 0.5031
Epoch 162/200
267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_75:
0.5128 - val_loss: 0.8059 - val_auc_75: 0.5096
Epoch 163/200
267/267 [=====] - 1s 3ms/step - loss: 0.7923 - auc_75:
0.5165 - val_loss: 0.7808 - val_auc_75: 0.5058
Epoch 164/200
267/267 [=====] - 1s 3ms/step - loss: 0.7578 - auc_75:
0.5137 - val_loss: 0.7608 - val_auc_75: 0.5041
Epoch 165/200
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_75:
0.5162 - val_loss: 0.8012 - val_auc_75: 0.5119
Epoch 166/200
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_75:
0.5148 - val_loss: 0.7146 - val_auc_75: 0.5145
Epoch 167/200
267/267 [=====] - 1s 3ms/step - loss: 0.8043 - auc_75:
0.5124 - val_loss: 0.7943 - val_auc_75: 0.5050
Epoch 168/200
267/267 [=====] - 1s 3ms/step - loss: 0.8102 - auc_75:
0.5156 - val_loss: 0.8501 - val_auc_75: 0.5044
Epoch 169/200
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_75:
0.5131 - val_loss: 0.7754 - val_auc_75: 0.5097
Epoch 170/200
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_75:
0.5122 - val_loss: 0.7615 - val_auc_75: 0.5080
Epoch 171/200
267/267 [=====] - 1s 3ms/step - loss: 0.7757 - auc_75:
0.5166 - val_loss: 0.7469 - val_auc_75: 0.5044
Epoch 172/200
267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_75:
0.5132 - val_loss: 0.8020 - val_auc_75: 0.5078
Epoch 173/200
267/267 [=====] - 1s 3ms/step - loss: 0.7935 - auc_75:
0.5155 - val_loss: 0.7600 - val_auc_75: 0.5114
Epoch 174/200
267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_75:
0.5159 - val_loss: 0.7804 - val_auc_75: 0.5086
Epoch 175/200
267/267 [=====] - 1s 3ms/step - loss: 0.8066 - auc_75:
0.5120 - val_loss: 0.8483 - val_auc_75: 0.5048
Epoch 176/200

267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_75:
0.5153 - val_loss: 0.8148 - val_auc_75: 0.5123
Epoch 177/200
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_75:
0.5153 - val_loss: 0.7608 - val_auc_75: 0.5158
Epoch 178/200
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_75:
0.5147 - val_loss: 0.7522 - val_auc_75: 0.5065
Epoch 179/200
267/267 [=====] - 1s 3ms/step - loss: 0.8256 - auc_75:
0.5151 - val_loss: 0.9846 - val_auc_75: 0.5008
Epoch 180/200
267/267 [=====] - 1s 3ms/step - loss: 0.8291 - auc_75:
0.5155 - val_loss: 0.9509 - val_auc_75: 0.5030
Epoch 181/200
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_75:
0.5155 - val_loss: 0.7487 - val_auc_75: 0.4984
Epoch 182/200
267/267 [=====] - 1s 3ms/step - loss: 0.8187 - auc_75:
0.5161 - val_loss: 0.7928 - val_auc_75: 0.5104
Epoch 183/200
267/267 [=====] - 1s 3ms/step - loss: 0.8001 - auc_75:
0.5168 - val_loss: 0.7174 - val_auc_75: 0.5081
Epoch 184/200
267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_75:
0.5150 - val_loss: 0.8120 - val_auc_75: 0.5110
Epoch 185/200
267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_75:
0.5139 - val_loss: 0.7661 - val_auc_75: 0.5000
Epoch 186/200
267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_75:
0.5140 - val_loss: 0.7475 - val_auc_75: 0.5113
Epoch 187/200
267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_75:
0.5159 - val_loss: 0.7953 - val_auc_75: 0.5107
Epoch 188/200
267/267 [=====] - 1s 3ms/step - loss: 0.8010 - auc_75:
0.5142 - val_loss: 0.7701 - val_auc_75: 0.5074
Epoch 189/200
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_75:
0.5162 - val_loss: 0.7309 - val_auc_75: 0.5100
Epoch 190/200
267/267 [=====] - 1s 3ms/step - loss: 0.7660 - auc_75:
0.5146 - val_loss: 0.7954 - val_auc_75: 0.5094
Epoch 191/200
267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_75:
0.5155 - val_loss: 0.7507 - val_auc_75: 0.5042
Epoch 192/200

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267/267 [=====] - 1s 3ms/step - loss: 0.7977 - auc_75:
0.5153 - val_loss: 0.7107 - val_auc_75: 0.5111
Epoch 193/200
267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_75:
0.5167 - val_loss: 0.7354 - val_auc_75: 0.5037
Epoch 194/200
267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_75:
0.5158 - val_loss: 0.8131 - val_auc_75: 0.5071
Epoch 195/200
267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_75:
0.5167 - val_loss: 0.7367 - val_auc_75: 0.5033
Epoch 196/200
267/267 [=====] - 1s 3ms/step - loss: 0.7938 - auc_75:
0.5137 - val_loss: 0.7979 - val_auc_75: 0.5093
Epoch 197/200
267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_75:
0.5152 - val_loss: 0.7585 - val_auc_75: 0.5060
Epoch 198/200
267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_75:
0.5174 - val_loss: 0.8317 - val_auc_75: 0.5073
Epoch 199/200
267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_75:
0.5143 - val_loss: 0.8979 - val_auc_75: 0.5028
Epoch 200/200
267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_75:
0.5142 - val_loss: 0.8130 - val_auc_75: 0.5110
625/625 [=====] - 0s 566us/step
[CV] ... epochs=200, learning_rate=0.001, score=0.508, total= 2.5min
[CV] epochs=200, learning_rate=0.01 ...
Epoch 1/200

[Parallel(n_jobs=1)]: Done    5 out of    5 | elapsed: 13.0min remaining:    0.0s

267/267 [=====] - 1s 4ms/step - loss: 2.8561 - auc_76:
0.4995 - val_loss: 2.9987 - val_auc_76: 0.5026
Epoch 2/200
267/267 [=====] - 1s 3ms/step - loss: 2.2245 - auc_76:
0.5007 - val_loss: 1.9679 - val_auc_76: 0.5107
Epoch 3/200
267/267 [=====] - 1s 3ms/step - loss: 2.2615 - auc_76:
0.5023 - val_loss: 2.1958 - val_auc_76: 0.5176
Epoch 4/200
267/267 [=====] - 1s 3ms/step - loss: 2.2065 - auc_76:
0.5047 - val_loss: 1.8889 - val_auc_76: 0.5129
Epoch 5/200
267/267 [=====] - 1s 3ms/step - loss: 2.2021 - auc_76:
0.5076 - val_loss: 1.9248 - val_auc_76: 0.5122
Epoch 6/200

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267/267 [=====] - 1s 3ms/step - loss: 2.5333 - auc_76:
0.5063 - val_loss: 2.9139 - val_auc_76: 0.5118
Epoch 7/200
267/267 [=====] - 1s 3ms/step - loss: 2.1892 - auc_76:
0.5042 - val_loss: 3.3639 - val_auc_76: 0.5091
Epoch 8/200
267/267 [=====] - 1s 3ms/step - loss: 2.6589 - auc_76:
0.5022 - val_loss: 3.0718 - val_auc_76: 0.5107
Epoch 9/200
267/267 [=====] - 1s 3ms/step - loss: 2.6401 - auc_76:
0.5082 - val_loss: 2.3853 - val_auc_76: 0.5090
Epoch 10/200
267/267 [=====] - 1s 3ms/step - loss: 2.1884 - auc_76:
0.5091 - val_loss: 2.3118 - val_auc_76: 0.5013
Epoch 11/200
267/267 [=====] - 1s 3ms/step - loss: 2.4869 - auc_76:
0.5056 - val_loss: 1.6297 - val_auc_76: 0.5168
Epoch 12/200
267/267 [=====] - 1s 3ms/step - loss: 2.3985 - auc_76:
0.5024 - val_loss: 1.5408 - val_auc_76: 0.5061
Epoch 13/200
267/267 [=====] - 1s 3ms/step - loss: 2.3099 - auc_76:
0.5103 - val_loss: 3.2829 - val_auc_76: 0.5033
Epoch 14/200
267/267 [=====] - 1s 3ms/step - loss: 2.3703 - auc_76:
0.5041 - val_loss: 1.4508 - val_auc_76: 0.5193
Epoch 15/200
267/267 [=====] - 1s 3ms/step - loss: 2.1123 - auc_76:
0.5071 - val_loss: 5.1347 - val_auc_76: 0.5091
Epoch 16/200
267/267 [=====] - 1s 3ms/step - loss: 2.1210 - auc_76:
0.5099 - val_loss: 2.3639 - val_auc_76: 0.5112
Epoch 17/200
267/267 [=====] - 1s 3ms/step - loss: 2.7959 - auc_76:
0.5001 - val_loss: 6.5564 - val_auc_76: 0.5101
Epoch 18/200
267/267 [=====] - 1s 3ms/step - loss: 2.5236 - auc_76:
0.5043 - val_loss: 1.7501 - val_auc_76: 0.5096
Epoch 19/200
267/267 [=====] - 1s 3ms/step - loss: 2.0728 - auc_76:
0.5035 - val_loss: 1.7090 - val_auc_76: 0.5054
Epoch 20/200
267/267 [=====] - 1s 3ms/step - loss: 2.1541 - auc_76:
0.5046 - val_loss: 3.2786 - val_auc_76: 0.4977
Epoch 21/200
267/267 [=====] - 1s 3ms/step - loss: 2.5099 - auc_76:
0.5039 - val_loss: 1.4604 - val_auc_76: 0.5174
Epoch 22/200

267/267 [=====] - 1s 3ms/step - loss: 2.4734 - auc_76:
0.5032 - val_loss: 1.6339 - val_auc_76: 0.5090
Epoch 23/200
267/267 [=====] - 1s 3ms/step - loss: 2.5410 - auc_76:
0.5078 - val_loss: 1.3188 - val_auc_76: 0.5072
Epoch 24/200
267/267 [=====] - 1s 3ms/step - loss: 2.4407 - auc_76:
0.5063 - val_loss: 2.5057 - val_auc_76: 0.4946
Epoch 25/200
267/267 [=====] - 1s 3ms/step - loss: 2.6220 - auc_76:
0.5027 - val_loss: 2.3452 - val_auc_76: 0.4931
Epoch 26/200
267/267 [=====] - 1s 3ms/step - loss: 2.4259 - auc_76:
0.5038 - val_loss: 2.4204 - val_auc_76: 0.5082
Epoch 27/200
267/267 [=====] - 1s 3ms/step - loss: 2.0172 - auc_76:
0.5081 - val_loss: 2.3928 - val_auc_76: 0.5075
Epoch 28/200
267/267 [=====] - 1s 3ms/step - loss: 2.1528 - auc_76:
0.5068 - val_loss: 2.5748 - val_auc_76: 0.4980
Epoch 29/200
267/267 [=====] - 1s 3ms/step - loss: 2.3350 - auc_76:
0.5064 - val_loss: 2.5832 - val_auc_76: 0.5045
Epoch 30/200
267/267 [=====] - 1s 3ms/step - loss: 2.1206 - auc_76:
0.5057 - val_loss: 2.1523 - val_auc_76: 0.5109
Epoch 31/200
267/267 [=====] - 1s 3ms/step - loss: 2.5530 - auc_76:
0.5080 - val_loss: 1.9156 - val_auc_76: 0.5115
Epoch 32/200
267/267 [=====] - 1s 3ms/step - loss: 2.2118 - auc_76:
0.5099 - val_loss: 3.1451 - val_auc_76: 0.5004
Epoch 33/200
267/267 [=====] - 1s 3ms/step - loss: 2.4647 - auc_76:
0.5055 - val_loss: 2.2148 - val_auc_76: 0.5056
Epoch 34/200
267/267 [=====] - 1s 3ms/step - loss: 2.3416 - auc_76:
0.5095 - val_loss: 2.3554 - val_auc_76: 0.4984
Epoch 35/200
267/267 [=====] - 1s 3ms/step - loss: 2.3729 - auc_76:
0.5081 - val_loss: 2.2512 - val_auc_76: 0.5107
Epoch 36/200
267/267 [=====] - 1s 3ms/step - loss: 2.5667 - auc_76:
0.5066 - val_loss: 2.2064 - val_auc_76: 0.5084
Epoch 37/200
267/267 [=====] - 1s 3ms/step - loss: 2.3353 - auc_76:
0.5067 - val_loss: 2.3947 - val_auc_76: 0.4979
Epoch 38/200

267/267 [=====] - 1s 3ms/step - loss: 2.4004 - auc_76:
0.5067 - val_loss: 1.8755 - val_auc_76: 0.5156
Epoch 39/200
267/267 [=====] - 1s 3ms/step - loss: 2.8682 - auc_76:
0.5049 - val_loss: 1.7981 - val_auc_76: 0.4934
Epoch 40/200
267/267 [=====] - 1s 3ms/step - loss: 2.4757 - auc_76:
0.5083 - val_loss: 1.5006 - val_auc_76: 0.4943
Epoch 41/200
267/267 [=====] - 1s 3ms/step - loss: 1.9453 - auc_76:
0.5058 - val_loss: 2.3292 - val_auc_76: 0.5114
Epoch 42/200
267/267 [=====] - 1s 3ms/step - loss: 2.4653 - auc_76:
0.5056 - val_loss: 1.7948 - val_auc_76: 0.4939
Epoch 43/200
267/267 [=====] - 1s 3ms/step - loss: 2.3742 - auc_76:
0.5053 - val_loss: 1.8774 - val_auc_76: 0.5103
Epoch 44/200
267/267 [=====] - 1s 3ms/step - loss: 2.5658 - auc_76:
0.5086 - val_loss: 1.7921 - val_auc_76: 0.5064
Epoch 45/200
267/267 [=====] - 1s 3ms/step - loss: 2.4996 - auc_76:
0.5044 - val_loss: 1.9031 - val_auc_76: 0.5116
Epoch 46/200
267/267 [=====] - 1s 3ms/step - loss: 2.8053 - auc_76:
0.5070 - val_loss: 1.8271 - val_auc_76: 0.5168
Epoch 47/200
267/267 [=====] - 1s 3ms/step - loss: 2.3046 - auc_76:
0.5073 - val_loss: 1.3011 - val_auc_76: 0.4982
Epoch 48/200
267/267 [=====] - 1s 3ms/step - loss: 2.3187 - auc_76:
0.5094 - val_loss: 1.8495 - val_auc_76: 0.4989
Epoch 49/200
267/267 [=====] - 1s 3ms/step - loss: 2.3447 - auc_76:
0.5063 - val_loss: 1.9354 - val_auc_76: 0.5069
Epoch 50/200
267/267 [=====] - 1s 3ms/step - loss: 2.4120 - auc_76:
0.5064 - val_loss: 3.7402 - val_auc_76: 0.5084
Epoch 51/200
267/267 [=====] - 1s 3ms/step - loss: 2.1796 - auc_76:
0.5081 - val_loss: 1.7466 - val_auc_76: 0.5035
Epoch 52/200
267/267 [=====] - 1s 3ms/step - loss: 2.6638 - auc_76:
0.5067 - val_loss: 1.6034 - val_auc_76: 0.5015
Epoch 53/200
267/267 [=====] - 1s 3ms/step - loss: 2.0544 - auc_76:
0.5103 - val_loss: 5.7069 - val_auc_76: 0.5117
Epoch 54/200

267/267 [=====] - 1s 3ms/step - loss: 2.3170 - auc_76:
0.5080 - val_loss: 2.4523 - val_auc_76: 0.5106
Epoch 55/200
267/267 [=====] - 1s 3ms/step - loss: 2.2972 - auc_76:
0.5093 - val_loss: 1.5529 - val_auc_76: 0.5054
Epoch 56/200
267/267 [=====] - 1s 3ms/step - loss: 2.3218 - auc_76:
0.5073 - val_loss: 1.8425 - val_auc_76: 0.5213
Epoch 57/200
267/267 [=====] - 1s 3ms/step - loss: 2.1875 - auc_76:
0.5077 - val_loss: 2.1910 - val_auc_76: 0.4975
Epoch 58/200
267/267 [=====] - 1s 3ms/step - loss: 2.4627 - auc_76:
0.5095 - val_loss: 2.0717 - val_auc_76: 0.5064
Epoch 59/200
267/267 [=====] - 1s 3ms/step - loss: 2.3086 - auc_76:
0.5088 - val_loss: 2.4095 - val_auc_76: 0.5122
Epoch 60/200
267/267 [=====] - 1s 3ms/step - loss: 2.6841 - auc_76:
0.5079 - val_loss: 1.8518 - val_auc_76: 0.5002
Epoch 61/200
267/267 [=====] - 1s 3ms/step - loss: 2.2781 - auc_76:
0.5059 - val_loss: 1.5030 - val_auc_76: 0.4996
Epoch 62/200
267/267 [=====] - 1s 3ms/step - loss: 2.7238 - auc_76:
0.5049 - val_loss: 1.8764 - val_auc_76: 0.4960
Epoch 63/200
267/267 [=====] - 1s 3ms/step - loss: 2.2242 - auc_76:
0.5097 - val_loss: 1.8086 - val_auc_76: 0.5104
Epoch 64/200
267/267 [=====] - 1s 3ms/step - loss: 2.5299 - auc_76:
0.5081 - val_loss: 1.9746 - val_auc_76: 0.5078
Epoch 65/200
267/267 [=====] - 1s 3ms/step - loss: 2.4593 - auc_76:
0.5045 - val_loss: 1.8681 - val_auc_76: 0.5097
Epoch 66/200
267/267 [=====] - 1s 3ms/step - loss: 2.0864 - auc_76:
0.5063 - val_loss: 3.0310 - val_auc_76: 0.5081
Epoch 67/200
267/267 [=====] - 1s 3ms/step - loss: 1.9843 - auc_76:
0.5083 - val_loss: 1.2703 - val_auc_76: 0.5017
Epoch 68/200
267/267 [=====] - 1s 3ms/step - loss: 2.3769 - auc_76:
0.5041 - val_loss: 1.8052 - val_auc_76: 0.5075
Epoch 69/200
267/267 [=====] - 1s 3ms/step - loss: 2.2757 - auc_76:
0.5047 - val_loss: 2.1089 - val_auc_76: 0.5066
Epoch 70/200

267/267 [=====] - 1s 3ms/step - loss: 2.3372 - auc_76:
0.5034 - val_loss: 3.0661 - val_auc_76: 0.5108
Epoch 71/200
267/267 [=====] - 1s 3ms/step - loss: 2.3193 - auc_76:
0.5098 - val_loss: 1.9483 - val_auc_76: 0.5048
Epoch 72/200
267/267 [=====] - 1s 3ms/step - loss: 2.1940 - auc_76:
0.5042 - val_loss: 2.3048 - val_auc_76: 0.5052
Epoch 73/200
267/267 [=====] - 1s 3ms/step - loss: 2.3232 - auc_76:
0.5049 - val_loss: 1.5435 - val_auc_76: 0.5105
Epoch 74/200
267/267 [=====] - 1s 3ms/step - loss: 2.4075 - auc_76:
0.5081 - val_loss: 1.2836 - val_auc_76: 0.5107
Epoch 75/200
267/267 [=====] - 1s 3ms/step - loss: 2.1063 - auc_76:
0.5043 - val_loss: 1.2440 - val_auc_76: 0.5064
Epoch 76/200
267/267 [=====] - 1s 3ms/step - loss: 2.2724 - auc_76:
0.5064 - val_loss: 2.4538 - val_auc_76: 0.4977
Epoch 77/200
267/267 [=====] - 1s 3ms/step - loss: 2.4759 - auc_76:
0.5061 - val_loss: 0.9238 - val_auc_76: 0.5041
Epoch 78/200
267/267 [=====] - 1s 3ms/step - loss: 2.4969 - auc_76:
0.5034 - val_loss: 2.2490 - val_auc_76: 0.5131
Epoch 79/200
267/267 [=====] - 1s 3ms/step - loss: 2.5198 - auc_76:
0.5093 - val_loss: 2.2165 - val_auc_76: 0.5064
Epoch 80/200
267/267 [=====] - 1s 3ms/step - loss: 2.2661 - auc_76:
0.5065 - val_loss: 2.0144 - val_auc_76: 0.5120
Epoch 81/200
267/267 [=====] - 1s 3ms/step - loss: 2.3024 - auc_76:
0.5088 - val_loss: 3.8489 - val_auc_76: 0.5112
Epoch 82/200
267/267 [=====] - 1s 3ms/step - loss: 2.2221 - auc_76:
0.5083 - val_loss: 3.2098 - val_auc_76: 0.5031
Epoch 83/200
267/267 [=====] - 1s 3ms/step - loss: 2.3271 - auc_76:
0.5051 - val_loss: 1.9027 - val_auc_76: 0.5078
Epoch 84/200
267/267 [=====] - 1s 3ms/step - loss: 2.5644 - auc_76:
0.5080 - val_loss: 2.3528 - val_auc_76: 0.5126
Epoch 85/200
267/267 [=====] - 1s 3ms/step - loss: 2.2232 - auc_76:
0.5055 - val_loss: 2.7099 - val_auc_76: 0.4980
Epoch 86/200

267/267 [=====] - 1s 3ms/step - loss: 2.4014 - auc_76:
0.5087 - val_loss: 3.0892 - val_auc_76: 0.5062
Epoch 87/200
267/267 [=====] - 1s 3ms/step - loss: 2.4507 - auc_76:
0.5080 - val_loss: 3.3492 - val_auc_76: 0.5044
Epoch 88/200
267/267 [=====] - 1s 3ms/step - loss: 2.1736 - auc_76:
0.5070 - val_loss: 1.7706 - val_auc_76: 0.4966
Epoch 89/200
267/267 [=====] - 1s 3ms/step - loss: 2.2965 - auc_76:
0.5086 - val_loss: 4.1676 - val_auc_76: 0.5071
Epoch 90/200
267/267 [=====] - 1s 3ms/step - loss: 2.1641 - auc_76:
0.5048 - val_loss: 2.0233 - val_auc_76: 0.4989
Epoch 91/200
267/267 [=====] - 1s 3ms/step - loss: 2.4038 - auc_76:
0.5070 - val_loss: 1.6704 - val_auc_76: 0.4994
Epoch 92/200
267/267 [=====] - 1s 3ms/step - loss: 2.8808 - auc_76:
0.5043 - val_loss: 2.9678 - val_auc_76: 0.5113
Epoch 93/200
267/267 [=====] - 1s 3ms/step - loss: 2.1221 - auc_76:
0.5074 - val_loss: 2.4577 - val_auc_76: 0.4998
Epoch 94/200
267/267 [=====] - 1s 3ms/step - loss: 2.2460 - auc_76:
0.5069 - val_loss: 2.1450 - val_auc_76: 0.4936
Epoch 95/200
267/267 [=====] - 1s 3ms/step - loss: 2.3830 - auc_76:
0.5064 - val_loss: 1.7510 - val_auc_76: 0.5065
Epoch 96/200
267/267 [=====] - 1s 3ms/step - loss: 2.5585 - auc_76:
0.5066 - val_loss: 1.8776 - val_auc_76: 0.5025
Epoch 97/200
267/267 [=====] - 1s 3ms/step - loss: 2.2092 - auc_76:
0.5061 - val_loss: 1.9086 - val_auc_76: 0.4949
Epoch 98/200
267/267 [=====] - 1s 3ms/step - loss: 2.7344 - auc_76:
0.5041 - val_loss: 1.8814 - val_auc_76: 0.5015
Epoch 99/200
267/267 [=====] - 1s 3ms/step - loss: 2.2279 - auc_76:
0.5057 - val_loss: 1.6280 - val_auc_76: 0.5070
Epoch 100/200
267/267 [=====] - 1s 3ms/step - loss: 1.9826 - auc_76:
0.5084 - val_loss: 1.2840 - val_auc_76: 0.5108
Epoch 101/200
267/267 [=====] - 1s 3ms/step - loss: 2.1028 - auc_76:
0.5127 - val_loss: 4.8629 - val_auc_76: 0.4965
Epoch 102/200

267/267 [=====] - 1s 3ms/step - loss: 2.3257 - auc_76:
0.5056 - val_loss: 2.5142 - val_auc_76: 0.5076
Epoch 103/200
267/267 [=====] - 1s 3ms/step - loss: 2.3364 - auc_76:
0.5076 - val_loss: 1.6402 - val_auc_76: 0.5023
Epoch 104/200
267/267 [=====] - 1s 3ms/step - loss: 2.1918 - auc_76:
0.5049 - val_loss: 2.9817 - val_auc_76: 0.5065
Epoch 105/200
267/267 [=====] - 1s 3ms/step - loss: 2.1840 - auc_76:
0.5071 - val_loss: 1.9822 - val_auc_76: 0.5117
Epoch 106/200
267/267 [=====] - 1s 3ms/step - loss: 2.2860 - auc_76:
0.5100 - val_loss: 1.5484 - val_auc_76: 0.4939
Epoch 107/200
267/267 [=====] - 1s 3ms/step - loss: 2.3553 - auc_76:
0.5070 - val_loss: 1.7637 - val_auc_76: 0.4892
Epoch 108/200
267/267 [=====] - 1s 3ms/step - loss: 2.1048 - auc_76:
0.5083 - val_loss: 1.1519 - val_auc_76: 0.5100
Epoch 109/200
267/267 [=====] - 1s 3ms/step - loss: 2.0232 - auc_76:
0.5069 - val_loss: 1.6762 - val_auc_76: 0.4930
Epoch 110/200
267/267 [=====] - 1s 3ms/step - loss: 2.4844 - auc_76:
0.5099 - val_loss: 2.5137 - val_auc_76: 0.5131
Epoch 111/200
267/267 [=====] - 1s 3ms/step - loss: 2.3634 - auc_76:
0.5103 - val_loss: 2.7128 - val_auc_76: 0.5108
Epoch 112/200
267/267 [=====] - 1s 3ms/step - loss: 2.4952 - auc_76:
0.5045 - val_loss: 2.1862 - val_auc_76: 0.5029
Epoch 113/200
267/267 [=====] - 1s 3ms/step - loss: 2.6114 - auc_76:
0.5059 - val_loss: 2.2956 - val_auc_76: 0.5172
Epoch 114/200
267/267 [=====] - 1s 3ms/step - loss: 2.0683 - auc_76:
0.5085 - val_loss: 1.9101 - val_auc_76: 0.5074
Epoch 115/200
267/267 [=====] - 1s 3ms/step - loss: 2.5468 - auc_76:
0.5060 - val_loss: 1.8204 - val_auc_76: 0.5008
Epoch 116/200
267/267 [=====] - 1s 3ms/step - loss: 2.2501 - auc_76:
0.5080 - val_loss: 1.7336 - val_auc_76: 0.5085
Epoch 117/200
267/267 [=====] - 1s 3ms/step - loss: 2.7236 - auc_76:
0.5068 - val_loss: 2.8103 - val_auc_76: 0.5034
Epoch 118/200

267/267 [=====] - 1s 3ms/step - loss: 2.4399 - auc_76:
 0.5119 - val_loss: 1.4915 - val_auc_76: 0.5041
 Epoch 119/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5127 - auc_76:
 0.5061 - val_loss: 3.7957 - val_auc_76: 0.5047
 Epoch 120/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3491 - auc_76:
 0.5060 - val_loss: 2.3700 - val_auc_76: 0.5065
 Epoch 121/200
 267/267 [=====] - 1s 3ms/step - loss: 2.7113 - auc_76:
 0.5080 - val_loss: 2.7423 - val_auc_76: 0.4937
 Epoch 122/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3024 - auc_76:
 0.5074 - val_loss: 1.3255 - val_auc_76: 0.5015
 Epoch 123/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6172 - auc_76:
 0.5081 - val_loss: 3.1997 - val_auc_76: 0.5055
 Epoch 124/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4151 - auc_76:
 0.5095 - val_loss: 1.7434 - val_auc_76: 0.5037
 Epoch 125/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1909 - auc_76:
 0.5069 - val_loss: 2.2086 - val_auc_76: 0.5079
 Epoch 126/200
 267/267 [=====] - 1s 3ms/step - loss: 2.9037 - auc_76:
 0.5038 - val_loss: 3.8017 - val_auc_76: 0.4956
 Epoch 127/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3788 - auc_76:
 0.5090 - val_loss: 1.2320 - val_auc_76: 0.5091
 Epoch 128/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0480 - auc_76:
 0.5079 - val_loss: 1.9367 - val_auc_76: 0.4907
 Epoch 129/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6518 - auc_76:
 0.5068 - val_loss: 2.5239 - val_auc_76: 0.5071
 Epoch 130/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1593 - auc_76:
 0.5068 - val_loss: 3.5432 - val_auc_76: 0.5090
 Epoch 131/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1957 - auc_76:
 0.5104 - val_loss: 2.5407 - val_auc_76: 0.5149
 Epoch 132/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5645 - auc_76:
 0.5045 - val_loss: 1.7023 - val_auc_76: 0.5040
 Epoch 133/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1522 - auc_76:
 0.5076 - val_loss: 1.1532 - val_auc_76: 0.5079
 Epoch 134/200

267/267 [=====] - 1s 3ms/step - loss: 2.6249 - auc_76:
 0.5063 - val_loss: 1.9133 - val_auc_76: 0.5035
 Epoch 135/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3667 - auc_76:
 0.5073 - val_loss: 3.5687 - val_auc_76: 0.4980
 Epoch 136/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6344 - auc_76:
 0.5067 - val_loss: 1.7732 - val_auc_76: 0.5034
 Epoch 137/200
 267/267 [=====] - 1s 3ms/step - loss: 2.7873 - auc_76:
 0.5057 - val_loss: 1.6301 - val_auc_76: 0.5005
 Epoch 138/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1452 - auc_76:
 0.5082 - val_loss: 1.7239 - val_auc_76: 0.5038
 Epoch 139/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1961 - auc_76:
 0.5138 - val_loss: 2.4918 - val_auc_76: 0.5015
 Epoch 140/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2439 - auc_76:
 0.5069 - val_loss: 1.6425 - val_auc_76: 0.5164
 Epoch 141/200
 267/267 [=====] - 1s 3ms/step - loss: 3.1297 - auc_76:
 0.5061 - val_loss: 6.0648 - val_auc_76: 0.5069
 Epoch 142/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3650 - auc_76:
 0.5077 - val_loss: 3.3995 - val_auc_76: 0.5106
 Epoch 143/200
 267/267 [=====] - 1s 3ms/step - loss: 2.8434 - auc_76:
 0.5056 - val_loss: 3.1374 - val_auc_76: 0.4992
 Epoch 144/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4637 - auc_76:
 0.5035 - val_loss: 2.6403 - val_auc_76: 0.5108
 Epoch 145/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4967 - auc_76:
 0.5088 - val_loss: 5.0168 - val_auc_76: 0.5059
 Epoch 146/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0434 - auc_76:
 0.5077 - val_loss: 2.5487 - val_auc_76: 0.4896
 Epoch 147/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1447 - auc_76:
 0.5069 - val_loss: 2.7563 - val_auc_76: 0.4960
 Epoch 148/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5432 - auc_76:
 0.5083 - val_loss: 1.5138 - val_auc_76: 0.5108
 Epoch 149/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2284 - auc_76:
 0.5087 - val_loss: 1.6998 - val_auc_76: 0.5059
 Epoch 150/200

267/267 [=====] - 1s 3ms/step - loss: 2.2262 - auc_76:
0.5061 - val_loss: 1.9853 - val_auc_76: 0.5053
Epoch 151/200
267/267 [=====] - 1s 3ms/step - loss: 2.6321 - auc_76:
0.5054 - val_loss: 2.4820 - val_auc_76: 0.5066
Epoch 152/200
267/267 [=====] - 1s 3ms/step - loss: 2.3795 - auc_76:
0.5056 - val_loss: 1.2159 - val_auc_76: 0.5059
Epoch 153/200
267/267 [=====] - 1s 3ms/step - loss: 2.9097 - auc_76:
0.5059 - val_loss: 3.2539 - val_auc_76: 0.5149
Epoch 154/200
267/267 [=====] - 1s 3ms/step - loss: 2.2647 - auc_76:
0.5068 - val_loss: 2.2238 - val_auc_76: 0.5035
Epoch 155/200
267/267 [=====] - 1s 3ms/step - loss: 2.1750 - auc_76:
0.5075 - val_loss: 1.8029 - val_auc_76: 0.4954
Epoch 156/200
267/267 [=====] - 1s 3ms/step - loss: 2.8011 - auc_76:
0.5072 - val_loss: 1.2795 - val_auc_76: 0.5126
Epoch 157/200
267/267 [=====] - 1s 3ms/step - loss: 2.5814 - auc_76:
0.5059 - val_loss: 1.5763 - val_auc_76: 0.5042
Epoch 158/200
267/267 [=====] - 1s 3ms/step - loss: 2.2125 - auc_76:
0.5066 - val_loss: 2.5448 - val_auc_76: 0.4943
Epoch 159/200
267/267 [=====] - 1s 3ms/step - loss: 2.3630 - auc_76:
0.5068 - val_loss: 1.8721 - val_auc_76: 0.5047
Epoch 160/200
267/267 [=====] - 1s 3ms/step - loss: 2.5511 - auc_76:
0.5061 - val_loss: 2.0138 - val_auc_76: 0.5076
Epoch 161/200
267/267 [=====] - 1s 3ms/step - loss: 2.1701 - auc_76:
0.5077 - val_loss: 1.7669 - val_auc_76: 0.5120
Epoch 162/200
267/267 [=====] - 1s 3ms/step - loss: 2.5939 - auc_76:
0.5040 - val_loss: 1.9993 - val_auc_76: 0.5150
Epoch 163/200
267/267 [=====] - 1s 3ms/step - loss: 2.7941 - auc_76:
0.5083 - val_loss: 2.7085 - val_auc_76: 0.5016
Epoch 164/200
267/267 [=====] - 1s 3ms/step - loss: 2.3473 - auc_76:
0.5067 - val_loss: 2.4082 - val_auc_76: 0.5147
Epoch 165/200
267/267 [=====] - 1s 3ms/step - loss: 2.8446 - auc_76:
0.5083 - val_loss: 2.0073 - val_auc_76: 0.4939
Epoch 166/200

267/267 [=====] - 1s 3ms/step - loss: 2.3257 - auc_76:
0.5070 - val_loss: 1.7939 - val_auc_76: 0.5086
Epoch 167/200
267/267 [=====] - 1s 3ms/step - loss: 2.4803 - auc_76:
0.5113 - val_loss: 1.9894 - val_auc_76: 0.5118
Epoch 168/200
267/267 [=====] - 1s 3ms/step - loss: 2.1732 - auc_76:
0.5046 - val_loss: 1.2848 - val_auc_76: 0.5028
Epoch 169/200
267/267 [=====] - 1s 3ms/step - loss: 2.2968 - auc_76:
0.5069 - val_loss: 2.0479 - val_auc_76: 0.5135
Epoch 170/200
267/267 [=====] - 1s 3ms/step - loss: 2.2303 - auc_76:
0.5077 - val_loss: 1.5074 - val_auc_76: 0.5051
Epoch 171/200
267/267 [=====] - 1s 3ms/step - loss: 2.4619 - auc_76:
0.5050 - val_loss: 4.6870 - val_auc_76: 0.5004
Epoch 172/200
267/267 [=====] - 1s 3ms/step - loss: 2.7514 - auc_76:
0.5055 - val_loss: 2.4079 - val_auc_76: 0.5106
Epoch 173/200
267/267 [=====] - 1s 3ms/step - loss: 2.2491 - auc_76:
0.5107 - val_loss: 1.7004 - val_auc_76: 0.5036
Epoch 174/200
267/267 [=====] - 1s 3ms/step - loss: 2.2747 - auc_76:
0.5067 - val_loss: 1.5802 - val_auc_76: 0.5119
Epoch 175/200
267/267 [=====] - 1s 3ms/step - loss: 1.8710 - auc_76:
0.5083 - val_loss: 2.1357 - val_auc_76: 0.5011
Epoch 176/200
267/267 [=====] - 1s 3ms/step - loss: 2.3266 - auc_76:
0.5081 - val_loss: 3.8567 - val_auc_76: 0.5068
Epoch 177/200
267/267 [=====] - 1s 3ms/step - loss: 2.5805 - auc_76:
0.5057 - val_loss: 1.4043 - val_auc_76: 0.5005
Epoch 178/200
267/267 [=====] - 1s 3ms/step - loss: 2.0777 - auc_76:
0.5065 - val_loss: 1.4031 - val_auc_76: 0.5121
Epoch 179/200
267/267 [=====] - 1s 3ms/step - loss: 2.3529 - auc_76:
0.5101 - val_loss: 1.6664 - val_auc_76: 0.4946
Epoch 180/200
267/267 [=====] - 1s 3ms/step - loss: 2.6726 - auc_76:
0.5064 - val_loss: 6.3811 - val_auc_76: 0.5052
Epoch 181/200
267/267 [=====] - 1s 3ms/step - loss: 2.2320 - auc_76:
0.5065 - val_loss: 2.0240 - val_auc_76: 0.5011
Epoch 182/200

267/267 [=====] - 1s 3ms/step - loss: 2.5691 - auc_76:
0.5059 - val_loss: 3.7773 - val_auc_76: 0.5055
Epoch 183/200
267/267 [=====] - 1s 3ms/step - loss: 2.2518 - auc_76:
0.5062 - val_loss: 1.8080 - val_auc_76: 0.5026
Epoch 184/200
267/267 [=====] - 1s 3ms/step - loss: 2.6081 - auc_76:
0.5077 - val_loss: 2.3996 - val_auc_76: 0.5033
Epoch 185/200
267/267 [=====] - 1s 3ms/step - loss: 2.3481 - auc_76:
0.5076 - val_loss: 1.7525 - val_auc_76: 0.4968
Epoch 186/200
267/267 [=====] - 1s 3ms/step - loss: 2.4222 - auc_76:
0.5084 - val_loss: 1.4445 - val_auc_76: 0.5127
Epoch 187/200
267/267 [=====] - 1s 3ms/step - loss: 2.3778 - auc_76:
0.5114 - val_loss: 1.6641 - val_auc_76: 0.5038
Epoch 188/200
267/267 [=====] - 1s 3ms/step - loss: 2.1335 - auc_76:
0.5082 - val_loss: 2.0493 - val_auc_76: 0.5058
Epoch 189/200
267/267 [=====] - 1s 3ms/step - loss: 2.4855 - auc_76:
0.5069 - val_loss: 3.5127 - val_auc_76: 0.4955
Epoch 190/200
267/267 [=====] - 1s 3ms/step - loss: 2.3681 - auc_76:
0.5074 - val_loss: 2.4328 - val_auc_76: 0.5071
Epoch 191/200
267/267 [=====] - 1s 3ms/step - loss: 2.1065 - auc_76:
0.5088 - val_loss: 2.8379 - val_auc_76: 0.5029
Epoch 192/200
267/267 [=====] - 1s 3ms/step - loss: 2.1299 - auc_76:
0.5058 - val_loss: 2.1066 - val_auc_76: 0.4984
Epoch 193/200
267/267 [=====] - 1s 3ms/step - loss: 2.5929 - auc_76:
0.5038 - val_loss: 4.5125 - val_auc_76: 0.5059
Epoch 194/200
267/267 [=====] - 1s 3ms/step - loss: 2.5638 - auc_76:
0.5088 - val_loss: 1.7617 - val_auc_76: 0.4964
Epoch 195/200
267/267 [=====] - 1s 3ms/step - loss: 2.4110 - auc_76:
0.5058 - val_loss: 1.9718 - val_auc_76: 0.5123
Epoch 196/200
267/267 [=====] - 1s 3ms/step - loss: 2.2211 - auc_76:
0.5098 - val_loss: 1.2679 - val_auc_76: 0.5095
Epoch 197/200
267/267 [=====] - 1s 3ms/step - loss: 2.6567 - auc_76:
0.5078 - val_loss: 2.2475 - val_auc_76: 0.5091
Epoch 198/200

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267/267 [=====] - 1s 3ms/step - loss: 2.4989 - auc_76:
0.5055 - val_loss: 1.9211 - val_auc_76: 0.5053
Epoch 199/200
267/267 [=====] - 1s 3ms/step - loss: 2.6428 - auc_76:
0.5087 - val_loss: 1.7549 - val_auc_76: 0.5016
Epoch 200/200
267/267 [=====] - 1s 3ms/step - loss: 2.0897 - auc_76:
0.5059 - val_loss: 1.7664 - val_auc_76: 0.5019
625/625 [=====] - 0s 569us/step
[CV] ... epochs=200, learning_rate=0.01, score=0.503, total= 2.5min
[CV] epochs=200, learning_rate=0.01 ...

[Parallel(n_jobs=1)]: Done    6 out of    6 | elapsed: 15.5min remaining:    0.0s

Epoch 1/200
267/267 [=====] - 1s 4ms/step - loss: 3.9933 - auc_77:
0.5039 - val_loss: 2.9039 - val_auc_77: 0.5096
Epoch 2/200
267/267 [=====] - 1s 3ms/step - loss: 2.1838 - auc_77:
0.5034 - val_loss: 2.5475 - val_auc_77: 0.4980
Epoch 3/200
267/267 [=====] - 1s 3ms/step - loss: 2.2318 - auc_77:
0.5058 - val_loss: 1.8668 - val_auc_77: 0.4986
Epoch 4/200
267/267 [=====] - 1s 3ms/step - loss: 2.1092 - auc_77:
0.5073 - val_loss: 2.6480 - val_auc_77: 0.5058
Epoch 5/200
267/267 [=====] - 1s 3ms/step - loss: 2.8359 - auc_77:
0.5055 - val_loss: 2.9323 - val_auc_77: 0.5019
Epoch 6/200
267/267 [=====] - 1s 3ms/step - loss: 2.1820 - auc_77:
0.5053 - val_loss: 3.2624 - val_auc_77: 0.4968
Epoch 7/200
267/267 [=====] - 1s 3ms/step - loss: 2.3241 - auc_77:
0.5086 - val_loss: 2.7979 - val_auc_77: 0.5003
Epoch 8/200
267/267 [=====] - 1s 3ms/step - loss: 2.0492 - auc_77:
0.5067 - val_loss: 2.7290 - val_auc_77: 0.5018
Epoch 9/200
267/267 [=====] - 1s 3ms/step - loss: 2.0417 - auc_77:
0.5076 - val_loss: 3.0382 - val_auc_77: 0.4933
Epoch 10/200
267/267 [=====] - 1s 3ms/step - loss: 2.2349 - auc_77:
0.5072 - val_loss: 3.7290 - val_auc_77: 0.5045
Epoch 11/200
267/267 [=====] - 1s 3ms/step - loss: 2.2074 - auc_77:
0.5094 - val_loss: 2.0433 - val_auc_77: 0.5041
Epoch 12/200
267/267 [=====] - 1s 3ms/step - loss: 2.5509 - auc_77:

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0.5059 - val_loss: 1.8402 - val_auc_77: 0.5005
 Epoch 13/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5939 - auc_77:
 0.5060 - val_loss: 1.2683 - val_auc_77: 0.5002
 Epoch 14/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1040 - auc_77:
 0.5057 - val_loss: 1.2012 - val_auc_77: 0.5036
 Epoch 15/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2620 - auc_77:
 0.5078 - val_loss: 1.4840 - val_auc_77: 0.5080
 Epoch 16/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4534 - auc_77:
 0.5052 - val_loss: 2.4744 - val_auc_77: 0.4993
 Epoch 17/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5562 - auc_77:
 0.5088 - val_loss: 1.5542 - val_auc_77: 0.5089
 Epoch 18/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3336 - auc_77:
 0.5046 - val_loss: 1.7691 - val_auc_77: 0.5039
 Epoch 19/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3645 - auc_77:
 0.5060 - val_loss: 1.6047 - val_auc_77: 0.4992
 Epoch 20/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3375 - auc_77:
 0.5053 - val_loss: 1.7451 - val_auc_77: 0.5066
 Epoch 21/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4555 - auc_77:
 0.5051 - val_loss: 1.9014 - val_auc_77: 0.5083
 Epoch 22/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2839 - auc_77:
 0.5036 - val_loss: 1.7322 - val_auc_77: 0.5038
 Epoch 23/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5374 - auc_77:
 0.5023 - val_loss: 1.6569 - val_auc_77: 0.4917
 Epoch 24/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3211 - auc_77:
 0.5085 - val_loss: 1.5121 - val_auc_77: 0.5100
 Epoch 25/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3167 - auc_77:
 0.5061 - val_loss: 5.4951 - val_auc_77: 0.5105
 Epoch 26/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0194 - auc_77:
 0.5079 - val_loss: 1.2856 - val_auc_77: 0.5015
 Epoch 27/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1964 - auc_77:
 0.5074 - val_loss: 3.1908 - val_auc_77: 0.4939
 Epoch 28/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3961 - auc_77:

0.5080 - val_loss: 1.9274 - val_auc_77: 0.5046
 Epoch 29/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3529 - auc_77:
 0.5092 - val_loss: 2.6377 - val_auc_77: 0.4926
 Epoch 30/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3075 - auc_77:
 0.5079 - val_loss: 2.4944 - val_auc_77: 0.5016
 Epoch 31/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0196 - auc_77:
 0.5072 - val_loss: 1.5171 - val_auc_77: 0.5034
 Epoch 32/200
 267/267 [=====] - 1s 3ms/step - loss: 2.7897 - auc_77:
 0.5051 - val_loss: 2.6906 - val_auc_77: 0.4947
 Epoch 33/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2474 - auc_77:
 0.5086 - val_loss: 1.0830 - val_auc_77: 0.5030
 Epoch 34/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2497 - auc_77:
 0.5063 - val_loss: 1.2357 - val_auc_77: 0.5011
 Epoch 35/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2737 - auc_77:
 0.5069 - val_loss: 1.3971 - val_auc_77: 0.5085
 Epoch 36/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2618 - auc_77:
 0.5056 - val_loss: 1.3845 - val_auc_77: 0.5053
 Epoch 37/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0243 - auc_77:
 0.5088 - val_loss: 2.8953 - val_auc_77: 0.5045
 Epoch 38/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3970 - auc_77:
 0.5055 - val_loss: 2.3179 - val_auc_77: 0.5062
 Epoch 39/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2238 - auc_77:
 0.5084 - val_loss: 1.2486 - val_auc_77: 0.5140
 Epoch 40/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1031 - auc_77:
 0.5062 - val_loss: 1.6878 - val_auc_77: 0.4984
 Epoch 41/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2855 - auc_77:
 0.5079 - val_loss: 2.6486 - val_auc_77: 0.4911
 Epoch 42/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1413 - auc_77:
 0.5041 - val_loss: 2.0287 - val_auc_77: 0.5105
 Epoch 43/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0231 - auc_77:
 0.5101 - val_loss: 1.5554 - val_auc_77: 0.5062
 Epoch 44/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3094 - auc_77:

0.5083 - val_loss: 1.7769 - val_auc_77: 0.5005
 Epoch 45/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6240 - auc_77:
 0.5031 - val_loss: 1.8653 - val_auc_77: 0.5013
 Epoch 46/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0966 - auc_77:
 0.5052 - val_loss: 2.4539 - val_auc_77: 0.5019
 Epoch 47/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1786 - auc_77:
 0.5075 - val_loss: 1.9934 - val_auc_77: 0.4997
 Epoch 48/200
 267/267 [=====] - 1s 3ms/step - loss: 1.9754 - auc_77:
 0.5074 - val_loss: 2.6186 - val_auc_77: 0.5125
 Epoch 49/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1621 - auc_77:
 0.5075 - val_loss: 2.2279 - val_auc_77: 0.5013
 Epoch 50/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3978 - auc_77:
 0.5071 - val_loss: 1.8771 - val_auc_77: 0.5103
 Epoch 51/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0653 - auc_77:
 0.5094 - val_loss: 2.2118 - val_auc_77: 0.5057
 Epoch 52/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1611 - auc_77:
 0.5085 - val_loss: 1.3819 - val_auc_77: 0.5026
 Epoch 53/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0569 - auc_77:
 0.5094 - val_loss: 2.1033 - val_auc_77: 0.4995
 Epoch 54/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3662 - auc_77:
 0.5097 - val_loss: 1.4731 - val_auc_77: 0.4972
 Epoch 55/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2322 - auc_77:
 0.5106 - val_loss: 2.1257 - val_auc_77: 0.5094
 Epoch 56/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1274 - auc_77:
 0.5080 - val_loss: 2.9145 - val_auc_77: 0.5117
 Epoch 57/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6107 - auc_77:
 0.5100 - val_loss: 2.6127 - val_auc_77: 0.4994
 Epoch 58/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2912 - auc_77:
 0.5113 - val_loss: 3.6280 - val_auc_77: 0.4999
 Epoch 59/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3857 - auc_77:
 0.5063 - val_loss: 1.8129 - val_auc_77: 0.5086
 Epoch 60/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3207 - auc_77:

0.5116 - val_loss: 2.3430 - val_auc_77: 0.5043
 Epoch 61/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6138 - auc_77:
 0.5069 - val_loss: 1.8539 - val_auc_77: 0.5078
 Epoch 62/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3122 - auc_77:
 0.5090 - val_loss: 2.0177 - val_auc_77: 0.5046
 Epoch 63/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1906 - auc_77:
 0.5076 - val_loss: 2.1185 - val_auc_77: 0.5064
 Epoch 64/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4016 - auc_77:
 0.5044 - val_loss: 2.1803 - val_auc_77: 0.5087
 Epoch 65/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2645 - auc_77:
 0.5115 - val_loss: 1.6642 - val_auc_77: 0.4896
 Epoch 66/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2265 - auc_77:
 0.5074 - val_loss: 4.1088 - val_auc_77: 0.5033
 Epoch 67/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2738 - auc_77:
 0.5086 - val_loss: 1.9392 - val_auc_77: 0.5090
 Epoch 68/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3174 - auc_77:
 0.5092 - val_loss: 6.3590 - val_auc_77: 0.5099
 Epoch 69/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5969 - auc_77:
 0.5128 - val_loss: 1.8107 - val_auc_77: 0.4912
 Epoch 70/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2212 - auc_77:
 0.5091 - val_loss: 2.6075 - val_auc_77: 0.5061
 Epoch 71/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1514 - auc_77:
 0.5097 - val_loss: 2.4150 - val_auc_77: 0.5072
 Epoch 72/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0554 - auc_77:
 0.5036 - val_loss: 2.1257 - val_auc_77: 0.5058
 Epoch 73/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2106 - auc_77:
 0.5089 - val_loss: 1.4820 - val_auc_77: 0.5037
 Epoch 74/200
 267/267 [=====] - 1s 3ms/step - loss: 2.7305 - auc_77:
 0.5084 - val_loss: 2.4264 - val_auc_77: 0.5122
 Epoch 75/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4095 - auc_77:
 0.5092 - val_loss: 5.0434 - val_auc_77: 0.5108
 Epoch 76/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2257 - auc_77:

0.5100 - val_loss: 3.5272 - val_auc_77: 0.5024
 Epoch 77/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6030 - auc_77:
 0.5062 - val_loss: 2.8646 - val_auc_77: 0.5133
 Epoch 78/200
 267/267 [=====] - 1s 3ms/step - loss: 1.9063 - auc_77:
 0.5095 - val_loss: 1.8803 - val_auc_77: 0.5089
 Epoch 79/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1847 - auc_77:
 0.5081 - val_loss: 3.6664 - val_auc_77: 0.5040
 Epoch 80/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3113 - auc_77:
 0.5090 - val_loss: 2.9308 - val_auc_77: 0.5029
 Epoch 81/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3189 - auc_77:
 0.5092 - val_loss: 2.5779 - val_auc_77: 0.5084
 Epoch 82/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3531 - auc_77:
 0.5098 - val_loss: 3.6376 - val_auc_77: 0.5088
 Epoch 83/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3221 - auc_77:
 0.5081 - val_loss: 2.8546 - val_auc_77: 0.5047
 Epoch 84/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4368 - auc_77:
 0.5101 - val_loss: 2.0078 - val_auc_77: 0.5101
 Epoch 85/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3693 - auc_77:
 0.5092 - val_loss: 1.6645 - val_auc_77: 0.5019
 Epoch 86/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1102 - auc_77:
 0.5093 - val_loss: 2.2769 - val_auc_77: 0.4966
 Epoch 87/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1828 - auc_77:
 0.5053 - val_loss: 1.9870 - val_auc_77: 0.5086
 Epoch 88/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2917 - auc_77:
 0.5080 - val_loss: 1.4347 - val_auc_77: 0.5009
 Epoch 89/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5668 - auc_77:
 0.5067 - val_loss: 1.8131 - val_auc_77: 0.5067
 Epoch 90/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5209 - auc_77:
 0.5063 - val_loss: 2.8633 - val_auc_77: 0.4951
 Epoch 91/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2609 - auc_77:
 0.5070 - val_loss: 3.1251 - val_auc_77: 0.5035
 Epoch 92/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3381 - auc_77:

0.5063 - val_loss: 1.8693 - val_auc_77: 0.5121
 Epoch 93/200
 267/267 [=====] - 1s 3ms/step - loss: 2.8737 - auc_77:
 0.5069 - val_loss: 2.7642 - val_auc_77: 0.5114
 Epoch 94/200
 267/267 [=====] - 1s 3ms/step - loss: 1.9413 - auc_77:
 0.5112 - val_loss: 1.9889 - val_auc_77: 0.5017
 Epoch 95/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4583 - auc_77:
 0.5095 - val_loss: 2.8505 - val_auc_77: 0.5067
 Epoch 96/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1175 - auc_77:
 0.5092 - val_loss: 1.5660 - val_auc_77: 0.5095
 Epoch 97/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5763 - auc_77:
 0.5116 - val_loss: 1.9332 - val_auc_77: 0.5131
 Epoch 98/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6392 - auc_77:
 0.5052 - val_loss: 2.9832 - val_auc_77: 0.5081
 Epoch 99/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4548 - auc_77:
 0.5094 - val_loss: 1.9971 - val_auc_77: 0.5060
 Epoch 100/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2240 - auc_77:
 0.5068 - val_loss: 1.5525 - val_auc_77: 0.4967
 Epoch 101/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5222 - auc_77:
 0.5090 - val_loss: 2.4909 - val_auc_77: 0.5014
 Epoch 102/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4237 - auc_77:
 0.5096 - val_loss: 2.0609 - val_auc_77: 0.5076
 Epoch 103/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1440 - auc_77:
 0.5100 - val_loss: 3.8086 - val_auc_77: 0.4985
 Epoch 104/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3471 - auc_77:
 0.5099 - val_loss: 2.0069 - val_auc_77: 0.5065
 Epoch 105/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2007 - auc_77:
 0.5072 - val_loss: 1.8588 - val_auc_77: 0.5017
 Epoch 106/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0731 - auc_77:
 0.5081 - val_loss: 1.7346 - val_auc_77: 0.5054
 Epoch 107/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3038 - auc_77:
 0.5106 - val_loss: 1.5155 - val_auc_77: 0.5115
 Epoch 108/200
 267/267 [=====] - 1s 3ms/step - loss: 1.9743 - auc_77:

0.5105 - val_loss: 1.4189 - val_auc_77: 0.4978
 Epoch 109/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3040 - auc_77:
 0.5082 - val_loss: 2.5772 - val_auc_77: 0.5034
 Epoch 110/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2460 - auc_77:
 0.5101 - val_loss: 1.2456 - val_auc_77: 0.5092
 Epoch 111/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1778 - auc_77:
 0.5105 - val_loss: 2.1495 - val_auc_77: 0.5048
 Epoch 112/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1943 - auc_77:
 0.5058 - val_loss: 1.4582 - val_auc_77: 0.5029
 Epoch 113/200
 267/267 [=====] - 1s 3ms/step - loss: 1.9900 - auc_77:
 0.5054 - val_loss: 2.7141 - val_auc_77: 0.5019
 Epoch 114/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1866 - auc_77:
 0.5100 - val_loss: 2.0421 - val_auc_77: 0.5114
 Epoch 115/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3059 - auc_77:
 0.5092 - val_loss: 2.5603 - val_auc_77: 0.4984
 Epoch 116/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4183 - auc_77:
 0.5101 - val_loss: 3.2492 - val_auc_77: 0.5146
 Epoch 117/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1024 - auc_77:
 0.5085 - val_loss: 1.2491 - val_auc_77: 0.5084
 Epoch 118/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2167 - auc_77:
 0.5103 - val_loss: 2.9452 - val_auc_77: 0.4996
 Epoch 119/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1068 - auc_77:
 0.5091 - val_loss: 3.2016 - val_auc_77: 0.5087
 Epoch 120/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3977 - auc_77:
 0.5052 - val_loss: 1.6808 - val_auc_77: 0.4951
 Epoch 121/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3749 - auc_77:
 0.5085 - val_loss: 1.6361 - val_auc_77: 0.4955
 Epoch 122/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2801 - auc_77:
 0.5084 - val_loss: 1.7355 - val_auc_77: 0.4953
 Epoch 123/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2722 - auc_77:
 0.5113 - val_loss: 2.4968 - val_auc_77: 0.5009
 Epoch 124/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5929 - auc_77:

0.5054 - val_loss: 1.3991 - val_auc_77: 0.5082
 Epoch 125/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1878 - auc_77:
 0.5095 - val_loss: 1.4327 - val_auc_77: 0.5158
 Epoch 126/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4350 - auc_77:
 0.5091 - val_loss: 2.8162 - val_auc_77: 0.4886
 Epoch 127/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3168 - auc_77:
 0.5083 - val_loss: 4.9472 - val_auc_77: 0.5024
 Epoch 128/200
 267/267 [=====] - 1s 3ms/step - loss: 2.7081 - auc_77:
 0.5097 - val_loss: 4.9172 - val_auc_77: 0.4986
 Epoch 129/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5628 - auc_77:
 0.5071 - val_loss: 1.5202 - val_auc_77: 0.5010
 Epoch 130/200
 267/267 [=====] - 1s 3ms/step - loss: 2.7011 - auc_77:
 0.5062 - val_loss: 2.4894 - val_auc_77: 0.4976
 Epoch 131/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4125 - auc_77:
 0.5105 - val_loss: 3.8602 - val_auc_77: 0.5145
 Epoch 132/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2151 - auc_77:
 0.5103 - val_loss: 1.5472 - val_auc_77: 0.5083
 Epoch 133/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0388 - auc_77:
 0.5106 - val_loss: 1.7743 - val_auc_77: 0.4972
 Epoch 134/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2506 - auc_77:
 0.5091 - val_loss: 1.2318 - val_auc_77: 0.5090
 Epoch 135/200
 267/267 [=====] - 1s 3ms/step - loss: 3.1338 - auc_77:
 0.5060 - val_loss: 1.6729 - val_auc_77: 0.5079
 Epoch 136/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3570 - auc_77:
 0.5044 - val_loss: 1.8826 - val_auc_77: 0.4997
 Epoch 137/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4699 - auc_77:
 0.5089 - val_loss: 3.2244 - val_auc_77: 0.4915
 Epoch 138/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1348 - auc_77:
 0.5071 - val_loss: 2.0941 - val_auc_77: 0.5056
 Epoch 139/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1844 - auc_77:
 0.5089 - val_loss: 2.2506 - val_auc_77: 0.5133
 Epoch 140/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4451 - auc_77:

0.5068 - val_loss: 2.6342 - val_auc_77: 0.5006
Epoch 141/200
267/267 [=====] - 1s 3ms/step - loss: 2.2302 - auc_77:
0.5095 - val_loss: 2.4062 - val_auc_77: 0.5033
Epoch 142/200
267/267 [=====] - 1s 3ms/step - loss: 2.3883 - auc_77:
0.5111 - val_loss: 1.5119 - val_auc_77: 0.5048
Epoch 143/200
267/267 [=====] - 1s 3ms/step - loss: 2.5079 - auc_77:
0.5091 - val_loss: 2.3519 - val_auc_77: 0.5099
Epoch 144/200
267/267 [=====] - 1s 3ms/step - loss: 2.1869 - auc_77:
0.5111 - val_loss: 1.4855 - val_auc_77: 0.5041
Epoch 145/200
267/267 [=====] - 1s 3ms/step - loss: 2.2205 - auc_77:
0.5110 - val_loss: 1.8512 - val_auc_77: 0.5023
Epoch 146/200
267/267 [=====] - 1s 3ms/step - loss: 2.2366 - auc_77:
0.5081 - val_loss: 2.8499 - val_auc_77: 0.5006
Epoch 147/200
267/267 [=====] - 1s 3ms/step - loss: 2.6478 - auc_77:
0.5081 - val_loss: 4.1840 - val_auc_77: 0.4977
Epoch 148/200
267/267 [=====] - 1s 3ms/step - loss: 1.9956 - auc_77:
0.5113 - val_loss: 1.2789 - val_auc_77: 0.5036
Epoch 149/200
267/267 [=====] - 1s 3ms/step - loss: 2.1786 - auc_77:
0.5083 - val_loss: 2.2043 - val_auc_77: 0.5128
Epoch 150/200
267/267 [=====] - 1s 3ms/step - loss: 2.5930 - auc_77:
0.5086 - val_loss: 3.6087 - val_auc_77: 0.5035
Epoch 151/200
267/267 [=====] - 1s 3ms/step - loss: 2.2539 - auc_77:
0.5108 - val_loss: 3.2681 - val_auc_77: 0.5065
Epoch 152/200
267/267 [=====] - 1s 3ms/step - loss: 2.6878 - auc_77:
0.5083 - val_loss: 1.8158 - val_auc_77: 0.5018
Epoch 153/200
267/267 [=====] - 1s 3ms/step - loss: 2.7946 - auc_77:
0.5080 - val_loss: 1.7170 - val_auc_77: 0.4981
Epoch 154/200
267/267 [=====] - 1s 3ms/step - loss: 2.2797 - auc_77:
0.5126 - val_loss: 1.6492 - val_auc_77: 0.5036
Epoch 155/200
267/267 [=====] - 1s 3ms/step - loss: 2.1401 - auc_77:
0.5097 - val_loss: 2.5205 - val_auc_77: 0.5000
Epoch 156/200
267/267 [=====] - 1s 3ms/step - loss: 2.4226 - auc_77:

0.5058 - val_loss: 2.8114 - val_auc_77: 0.4972
Epoch 157/200
267/267 [=====] - 1s 3ms/step - loss: 2.8454 - auc_77:
0.5078 - val_loss: 2.2315 - val_auc_77: 0.5002
Epoch 158/200
267/267 [=====] - 1s 3ms/step - loss: 2.2173 - auc_77:
0.5073 - val_loss: 1.6965 - val_auc_77: 0.5070
Epoch 159/200
267/267 [=====] - 1s 3ms/step - loss: 2.2491 - auc_77:
0.5086 - val_loss: 2.4815 - val_auc_77: 0.4924
Epoch 160/200
267/267 [=====] - 1s 3ms/step - loss: 1.9985 - auc_77:
0.5105 - val_loss: 1.6185 - val_auc_77: 0.5089
Epoch 161/200
267/267 [=====] - 1s 3ms/step - loss: 2.2434 - auc_77:
0.5121 - val_loss: 1.8793 - val_auc_77: 0.5128
Epoch 162/200
267/267 [=====] - 1s 3ms/step - loss: 2.0618 - auc_77:
0.5119 - val_loss: 1.3563 - val_auc_77: 0.5086
Epoch 163/200
267/267 [=====] - 1s 3ms/step - loss: 2.2990 - auc_77:
0.5093 - val_loss: 4.9513 - val_auc_77: 0.4894
Epoch 164/200
267/267 [=====] - 1s 3ms/step - loss: 2.5891 - auc_77:
0.5083 - val_loss: 1.6935 - val_auc_77: 0.5105
Epoch 165/200
267/267 [=====] - 1s 3ms/step - loss: 2.1046 - auc_77:
0.5054 - val_loss: 1.8232 - val_auc_77: 0.5097
Epoch 166/200
267/267 [=====] - 1s 3ms/step - loss: 2.5349 - auc_77:
0.5090 - val_loss: 2.5521 - val_auc_77: 0.5012
Epoch 167/200
267/267 [=====] - 1s 3ms/step - loss: 2.2827 - auc_77:
0.5112 - val_loss: 1.9773 - val_auc_77: 0.5125
Epoch 168/200
267/267 [=====] - 1s 3ms/step - loss: 2.4622 - auc_77:
0.5086 - val_loss: 3.3855 - val_auc_77: 0.5159
Epoch 169/200
267/267 [=====] - 1s 3ms/step - loss: 2.3553 - auc_77:
0.5090 - val_loss: 1.3516 - val_auc_77: 0.5111
Epoch 170/200
267/267 [=====] - 1s 3ms/step - loss: 2.3182 - auc_77:
0.5121 - val_loss: 1.4575 - val_auc_77: 0.5039
Epoch 171/200
267/267 [=====] - 1s 3ms/step - loss: 2.2507 - auc_77:
0.5044 - val_loss: 2.4498 - val_auc_77: 0.5068
Epoch 172/200
267/267 [=====] - 1s 3ms/step - loss: 2.1312 - auc_77:

0.5095 - val_loss: 1.4126 - val_auc_77: 0.5079
 Epoch 173/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6518 - auc_77:
 0.5072 - val_loss: 1.6005 - val_auc_77: 0.5053
 Epoch 174/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2560 - auc_77:
 0.5088 - val_loss: 2.4085 - val_auc_77: 0.4916
 Epoch 175/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4124 - auc_77:
 0.5086 - val_loss: 1.6484 - val_auc_77: 0.5129
 Epoch 176/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3043 - auc_77:
 0.5091 - val_loss: 2.4509 - val_auc_77: 0.4980
 Epoch 177/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1947 - auc_77:
 0.5076 - val_loss: 1.8473 - val_auc_77: 0.5097
 Epoch 178/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3380 - auc_77:
 0.5108 - val_loss: 1.2097 - val_auc_77: 0.4942
 Epoch 179/200
 267/267 [=====] - 1s 3ms/step - loss: 1.9743 - auc_77:
 0.5133 - val_loss: 1.3141 - val_auc_77: 0.5083
 Epoch 180/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2214 - auc_77:
 0.5069 - val_loss: 3.7338 - val_auc_77: 0.5131
 Epoch 181/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6075 - auc_77:
 0.5086 - val_loss: 2.8567 - val_auc_77: 0.5167
 Epoch 182/200
 267/267 [=====] - 1s 3ms/step - loss: 2.8662 - auc_77:
 0.5074 - val_loss: 2.9164 - val_auc_77: 0.4948
 Epoch 183/200
 267/267 [=====] - 1s 3ms/step - loss: 3.1908 - auc_77:
 0.5064 - val_loss: 2.8046 - val_auc_77: 0.5053
 Epoch 184/200
 267/267 [=====] - 1s 3ms/step - loss: 1.8645 - auc_77:
 0.5092 - val_loss: 2.9468 - val_auc_77: 0.4996
 Epoch 185/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4227 - auc_77:
 0.5063 - val_loss: 2.0861 - val_auc_77: 0.5068
 Epoch 186/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3261 - auc_77:
 0.5089 - val_loss: 1.0099 - val_auc_77: 0.4965
 Epoch 187/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6264 - auc_77:
 0.5057 - val_loss: 1.4782 - val_auc_77: 0.5110
 Epoch 188/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1128 - auc_77:

```

0.5090 - val_loss: 2.3244 - val_auc_77: 0.5107
Epoch 189/200
267/267 [=====] - 1s 3ms/step - loss: 2.2613 - auc_77:
0.5140 - val_loss: 1.1533 - val_auc_77: 0.4953
Epoch 190/200
267/267 [=====] - 1s 3ms/step - loss: 2.0600 - auc_77:
0.5094 - val_loss: 1.5094 - val_auc_77: 0.4977
Epoch 191/200
267/267 [=====] - 1s 3ms/step - loss: 2.1002 - auc_77:
0.5067 - val_loss: 2.4041 - val_auc_77: 0.4974
Epoch 192/200
267/267 [=====] - 1s 3ms/step - loss: 2.8791 - auc_77:
0.5104 - val_loss: 4.4769 - val_auc_77: 0.5045
Epoch 193/200
267/267 [=====] - 1s 3ms/step - loss: 2.8737 - auc_77:
0.5087 - val_loss: 3.1296 - val_auc_77: 0.5050
Epoch 194/200
267/267 [=====] - 1s 3ms/step - loss: 2.2938 - auc_77:
0.5081 - val_loss: 2.3432 - val_auc_77: 0.5081
Epoch 195/200
267/267 [=====] - 1s 3ms/step - loss: 2.2183 - auc_77:
0.5110 - val_loss: 6.4167 - val_auc_77: 0.5114
Epoch 196/200
267/267 [=====] - 1s 3ms/step - loss: 2.2575 - auc_77:
0.5102 - val_loss: 1.7053 - val_auc_77: 0.5128
Epoch 197/200
267/267 [=====] - 1s 3ms/step - loss: 2.2712 - auc_77:
0.5100 - val_loss: 2.2621 - val_auc_77: 0.5021
Epoch 198/200
267/267 [=====] - 1s 3ms/step - loss: 2.3726 - auc_77:
0.5070 - val_loss: 1.5547 - val_auc_77: 0.5176
Epoch 199/200
267/267 [=====] - 1s 3ms/step - loss: 2.1231 - auc_77:
0.5065 - val_loss: 2.4260 - val_auc_77: 0.5069
Epoch 200/200
267/267 [=====] - 1s 3ms/step - loss: 2.4209 - auc_77:
0.5113 - val_loss: 2.5460 - val_auc_77: 0.5086
625/625 [=====] - 0s 615us/step
[CV] ... epochs=200, learning_rate=0.01, score=0.507, total= 2.5min
[CV] epochs=200, learning_rate=0.01 ...

[Parallel(n_jobs=1)]: Done    7 out of    7 | elapsed: 18.0min remaining:    0.0s

Epoch 1/200
267/267 [=====] - 1s 4ms/step - loss: 2.9351 - auc_78:
0.5016 - val_loss: 1.9765 - val_auc_78: 0.5001
Epoch 2/200
267/267 [=====] - 1s 4ms/step - loss: 2.2135 - auc_78:
0.5045 - val_loss: 1.2653 - val_auc_78: 0.5140

```

Epoch 3/200
267/267 [=====] - 1s 3ms/step - loss: 2.4778 - auc_78:
0.5052 - val_loss: 1.7587 - val_auc_78: 0.5065

Epoch 4/200
267/267 [=====] - 1s 4ms/step - loss: 2.4638 - auc_78:
0.5067 - val_loss: 1.4674 - val_auc_78: 0.5061

Epoch 5/200
267/267 [=====] - 1s 3ms/step - loss: 2.2848 - auc_78:
0.5059 - val_loss: 1.9990 - val_auc_78: 0.5058

Epoch 6/200
267/267 [=====] - 1s 4ms/step - loss: 2.4204 - auc_78:
0.5058 - val_loss: 2.0175 - val_auc_78: 0.5114

Epoch 7/200
267/267 [=====] - 1s 4ms/step - loss: 2.4819 - auc_78:
0.5042 - val_loss: 2.1230 - val_auc_78: 0.5082

Epoch 8/200
267/267 [=====] - 1s 4ms/step - loss: 2.3098 - auc_78:
0.5072 - val_loss: 2.4092 - val_auc_78: 0.5123

Epoch 9/200
267/267 [=====] - 1s 4ms/step - loss: 2.3061 - auc_78:
0.5078 - val_loss: 2.0727 - val_auc_78: 0.5079

Epoch 10/200
267/267 [=====] - 1s 4ms/step - loss: 2.4003 - auc_78:
0.5058 - val_loss: 3.9478 - val_auc_78: 0.5012

Epoch 11/200
267/267 [=====] - 1s 4ms/step - loss: 2.1256 - auc_78:
0.5061 - val_loss: 1.6186 - val_auc_78: 0.5137

Epoch 12/200
267/267 [=====] - 1s 4ms/step - loss: 2.0696 - auc_78:
0.5065 - val_loss: 2.6330 - val_auc_78: 0.5047

Epoch 13/200
267/267 [=====] - 1s 4ms/step - loss: 2.5777 - auc_78:
0.5061 - val_loss: 1.4134 - val_auc_78: 0.5090

Epoch 14/200
267/267 [=====] - 1s 4ms/step - loss: 2.0564 - auc_78:
0.5089 - val_loss: 1.9810 - val_auc_78: 0.5075

Epoch 15/200
267/267 [=====] - 1s 3ms/step - loss: 2.3815 - auc_78:
0.5034 - val_loss: 1.7136 - val_auc_78: 0.5079

Epoch 16/200
267/267 [=====] - 1s 3ms/step - loss: 2.2257 - auc_78:
0.5078 - val_loss: 1.5050 - val_auc_78: 0.5010

Epoch 17/200
267/267 [=====] - 1s 3ms/step - loss: 2.6267 - auc_78:
0.5026 - val_loss: 2.2001 - val_auc_78: 0.4957

Epoch 18/200
267/267 [=====] - 1s 3ms/step - loss: 2.2854 - auc_78:
0.5062 - val_loss: 1.0854 - val_auc_78: 0.5023

Epoch 19/200
267/267 [=====] - 1s 4ms/step - loss: 2.1771 - auc_78:
0.5039 - val_loss: 1.2596 - val_auc_78: 0.5044

Epoch 20/200
267/267 [=====] - 1s 4ms/step - loss: 2.1606 - auc_78:
0.5071 - val_loss: 2.0965 - val_auc_78: 0.5067

Epoch 21/200
267/267 [=====] - 1s 3ms/step - loss: 2.7259 - auc_78:
0.5065 - val_loss: 1.5592 - val_auc_78: 0.5094

Epoch 22/200
267/267 [=====] - 1s 3ms/step - loss: 2.1062 - auc_78:
0.5036 - val_loss: 3.3314 - val_auc_78: 0.4989

Epoch 23/200
267/267 [=====] - 1s 3ms/step - loss: 2.3425 - auc_78:
0.5068 - val_loss: 2.8406 - val_auc_78: 0.5116

Epoch 24/200
267/267 [=====] - 1s 3ms/step - loss: 2.1603 - auc_78:
0.5086 - val_loss: 2.6813 - val_auc_78: 0.5127

Epoch 25/200
267/267 [=====] - 1s 3ms/step - loss: 2.5713 - auc_78:
0.5059 - val_loss: 2.9864 - val_auc_78: 0.5163

Epoch 26/200
267/267 [=====] - 1s 3ms/step - loss: 2.3047 - auc_78:
0.5031 - val_loss: 1.9566 - val_auc_78: 0.5121

Epoch 27/200
267/267 [=====] - 1s 3ms/step - loss: 2.2335 - auc_78:
0.5070 - val_loss: 2.1817 - val_auc_78: 0.4985

Epoch 28/200
267/267 [=====] - 1s 3ms/step - loss: 2.0784 - auc_78:
0.5068 - val_loss: 2.4347 - val_auc_78: 0.5061

Epoch 29/200
267/267 [=====] - 1s 3ms/step - loss: 2.1365 - auc_78:
0.5066 - val_loss: 1.6480 - val_auc_78: 0.5017

Epoch 30/200
267/267 [=====] - 1s 3ms/step - loss: 2.4022 - auc_78:
0.5071 - val_loss: 3.9037 - val_auc_78: 0.5081

Epoch 31/200
267/267 [=====] - 1s 3ms/step - loss: 2.8602 - auc_78:
0.5053 - val_loss: 3.4012 - val_auc_78: 0.5057

Epoch 32/200
267/267 [=====] - 1s 3ms/step - loss: 2.4545 - auc_78:
0.5081 - val_loss: 2.3518 - val_auc_78: 0.5068

Epoch 33/200
267/267 [=====] - 1s 3ms/step - loss: 2.4370 - auc_78:
0.5061 - val_loss: 3.8699 - val_auc_78: 0.5150

Epoch 34/200
267/267 [=====] - 1s 3ms/step - loss: 2.8200 - auc_78:
0.5060 - val_loss: 1.7048 - val_auc_78: 0.4975

Epoch 35/200
267/267 [=====] - 1s 3ms/step - loss: 2.1936 - auc_78:
0.5121 - val_loss: 2.0032 - val_auc_78: 0.5123
Epoch 36/200
267/267 [=====] - 1s 3ms/step - loss: 2.5108 - auc_78:
0.5084 - val_loss: 3.5347 - val_auc_78: 0.5139
Epoch 37/200
267/267 [=====] - 1s 3ms/step - loss: 2.4237 - auc_78:
0.5096 - val_loss: 1.3532 - val_auc_78: 0.5182
Epoch 38/200
267/267 [=====] - 1s 3ms/step - loss: 2.4246 - auc_78:
0.5061 - val_loss: 2.0428 - val_auc_78: 0.5074
Epoch 39/200
267/267 [=====] - 1s 3ms/step - loss: 2.3531 - auc_78:
0.5072 - val_loss: 2.6752 - val_auc_78: 0.5032
Epoch 40/200
267/267 [=====] - 1s 3ms/step - loss: 2.6922 - auc_78:
0.5087 - val_loss: 1.8401 - val_auc_78: 0.4985
Epoch 41/200
267/267 [=====] - 1s 4ms/step - loss: 1.9410 - auc_78:
0.5077 - val_loss: 2.6090 - val_auc_78: 0.5108
Epoch 42/200
267/267 [=====] - 1s 3ms/step - loss: 2.6001 - auc_78:
0.5082 - val_loss: 2.5760 - val_auc_78: 0.5051
Epoch 43/200
267/267 [=====] - 1s 3ms/step - loss: 2.4998 - auc_78:
0.5065 - val_loss: 2.0776 - val_auc_78: 0.5084
Epoch 44/200
267/267 [=====] - 1s 3ms/step - loss: 2.2100 - auc_78:
0.5102 - val_loss: 1.5739 - val_auc_78: 0.5004
Epoch 45/200
267/267 [=====] - 1s 3ms/step - loss: 2.2987 - auc_78:
0.5040 - val_loss: 2.3717 - val_auc_78: 0.5087
Epoch 46/200
267/267 [=====] - 1s 3ms/step - loss: 2.2599 - auc_78:
0.5070 - val_loss: 2.5436 - val_auc_78: 0.5083
Epoch 47/200
267/267 [=====] - 1s 3ms/step - loss: 2.4952 - auc_78:
0.5073 - val_loss: 3.3855 - val_auc_78: 0.5098
Epoch 48/200
267/267 [=====] - 1s 3ms/step - loss: 2.6447 - auc_78:
0.5038 - val_loss: 3.4394 - val_auc_78: 0.5067
Epoch 49/200
267/267 [=====] - 1s 3ms/step - loss: 2.6182 - auc_78:
0.5089 - val_loss: 3.4368 - val_auc_78: 0.5093
Epoch 50/200
267/267 [=====] - 1s 3ms/step - loss: 2.3451 - auc_78:
0.5033 - val_loss: 3.2977 - val_auc_78: 0.5056

Epoch 51/200
267/267 [=====] - 1s 3ms/step - loss: 2.6877 - auc_78:
0.5061 - val_loss: 2.2393 - val_auc_78: 0.5076

Epoch 52/200
267/267 [=====] - 1s 3ms/step - loss: 2.3178 - auc_78:
0.5060 - val_loss: 1.7340 - val_auc_78: 0.4921

Epoch 53/200
267/267 [=====] - 1s 3ms/step - loss: 2.1502 - auc_78:
0.5062 - val_loss: 2.0652 - val_auc_78: 0.5123

Epoch 54/200
267/267 [=====] - 1s 3ms/step - loss: 2.3173 - auc_78:
0.5080 - val_loss: 2.3278 - val_auc_78: 0.5094

Epoch 55/200
267/267 [=====] - 1s 3ms/step - loss: 2.1693 - auc_78:
0.5072 - val_loss: 1.6108 - val_auc_78: 0.5003

Epoch 56/200
267/267 [=====] - 1s 3ms/step - loss: 2.0605 - auc_78:
0.5053 - val_loss: 1.1580 - val_auc_78: 0.4952

Epoch 57/200
267/267 [=====] - 1s 3ms/step - loss: 2.0012 - auc_78:
0.5051 - val_loss: 1.4432 - val_auc_78: 0.5023

Epoch 58/200
267/267 [=====] - 1s 3ms/step - loss: 2.5064 - auc_78:
0.5081 - val_loss: 1.9737 - val_auc_78: 0.5028

Epoch 59/200
267/267 [=====] - 1s 3ms/step - loss: 2.3118 - auc_78:
0.5117 - val_loss: 2.3801 - val_auc_78: 0.5038

Epoch 60/200
267/267 [=====] - 1s 3ms/step - loss: 1.8998 - auc_78:
0.5088 - val_loss: 2.3383 - val_auc_78: 0.5057

Epoch 61/200
267/267 [=====] - 1s 3ms/step - loss: 2.5470 - auc_78:
0.5059 - val_loss: 2.9083 - val_auc_78: 0.5158

Epoch 62/200
267/267 [=====] - 1s 3ms/step - loss: 2.4806 - auc_78:
0.5046 - val_loss: 1.6892 - val_auc_78: 0.5153

Epoch 63/200
267/267 [=====] - 1s 3ms/step - loss: 2.3800 - auc_78:
0.5077 - val_loss: 1.3749 - val_auc_78: 0.5091

Epoch 64/200
267/267 [=====] - 1s 3ms/step - loss: 2.4706 - auc_78:
0.5091 - val_loss: 2.5804 - val_auc_78: 0.5200

Epoch 65/200
267/267 [=====] - 1s 3ms/step - loss: 2.4326 - auc_78:
0.5078 - val_loss: 1.4986 - val_auc_78: 0.5142

Epoch 66/200
267/267 [=====] - 1s 3ms/step - loss: 2.3529 - auc_78:
0.5063 - val_loss: 1.4221 - val_auc_78: 0.5132

Epoch 67/200
267/267 [=====] - 1s 3ms/step - loss: 2.2835 - auc_78:
0.5066 - val_loss: 2.3631 - val_auc_78: 0.5026
Epoch 68/200
267/267 [=====] - 1s 3ms/step - loss: 2.0493 - auc_78:
0.5032 - val_loss: 2.2716 - val_auc_78: 0.5122
Epoch 69/200
267/267 [=====] - 1s 3ms/step - loss: 1.9966 - auc_78:
0.5110 - val_loss: 4.5118 - val_auc_78: 0.5071
Epoch 70/200
267/267 [=====] - 1s 3ms/step - loss: 2.5840 - auc_78:
0.5075 - val_loss: 5.7670 - val_auc_78: 0.5174
Epoch 71/200
267/267 [=====] - 1s 3ms/step - loss: 2.6381 - auc_78:
0.5069 - val_loss: 2.6041 - val_auc_78: 0.5066
Epoch 72/200
267/267 [=====] - 1s 3ms/step - loss: 1.9783 - auc_78:
0.5087 - val_loss: 1.6322 - val_auc_78: 0.5001
Epoch 73/200
267/267 [=====] - 1s 3ms/step - loss: 2.2444 - auc_78:
0.5056 - val_loss: 2.7594 - val_auc_78: 0.5102
Epoch 74/200
267/267 [=====] - 1s 3ms/step - loss: 2.3829 - auc_78:
0.5091 - val_loss: 1.4463 - val_auc_78: 0.4967
Epoch 75/200
267/267 [=====] - 1s 3ms/step - loss: 2.3772 - auc_78:
0.5079 - val_loss: 2.2974 - val_auc_78: 0.5030
Epoch 76/200
267/267 [=====] - 1s 3ms/step - loss: 2.3357 - auc_78:
0.5081 - val_loss: 4.7447 - val_auc_78: 0.5074
Epoch 77/200
267/267 [=====] - 1s 3ms/step - loss: 2.5082 - auc_78:
0.5119 - val_loss: 3.8843 - val_auc_78: 0.5137
Epoch 78/200
267/267 [=====] - 1s 3ms/step - loss: 2.1341 - auc_78:
0.5062 - val_loss: 1.9356 - val_auc_78: 0.5003
Epoch 79/200
267/267 [=====] - 1s 3ms/step - loss: 2.2786 - auc_78:
0.5043 - val_loss: 3.5818 - val_auc_78: 0.5071
Epoch 80/200
267/267 [=====] - 1s 3ms/step - loss: 2.1217 - auc_78:
0.5103 - val_loss: 2.5024 - val_auc_78: 0.5072
Epoch 81/200
267/267 [=====] - 1s 3ms/step - loss: 2.1722 - auc_78:
0.5103 - val_loss: 2.0275 - val_auc_78: 0.5011
Epoch 82/200
267/267 [=====] - 1s 3ms/step - loss: 2.3611 - auc_78:
0.5093 - val_loss: 1.8587 - val_auc_78: 0.5052

Epoch 83/200
267/267 [=====] - 1s 3ms/step - loss: 2.5821 - auc_78:
0.5087 - val_loss: 1.8251 - val_auc_78: 0.5154
Epoch 84/200
267/267 [=====] - 1s 3ms/step - loss: 2.6222 - auc_78:
0.5082 - val_loss: 1.2199 - val_auc_78: 0.5013
Epoch 85/200
267/267 [=====] - 1s 3ms/step - loss: 1.9860 - auc_78:
0.5080 - val_loss: 1.0873 - val_auc_78: 0.5076
Epoch 86/200
267/267 [=====] - 1s 3ms/step - loss: 1.7249 - auc_78:
0.5099 - val_loss: 1.2797 - val_auc_78: 0.5122
Epoch 87/200
267/267 [=====] - 1s 3ms/step - loss: 2.1465 - auc_78:
0.5101 - val_loss: 2.7828 - val_auc_78: 0.5022
Epoch 88/200
267/267 [=====] - 1s 3ms/step - loss: 2.3261 - auc_78:
0.5071 - val_loss: 2.0583 - val_auc_78: 0.5202
Epoch 89/200
267/267 [=====] - 1s 3ms/step - loss: 1.9931 - auc_78:
0.5090 - val_loss: 1.3078 - val_auc_78: 0.5087
Epoch 90/200
267/267 [=====] - 1s 3ms/step - loss: 2.3471 - auc_78:
0.5101 - val_loss: 4.1431 - val_auc_78: 0.5146
Epoch 91/200
267/267 [=====] - 1s 3ms/step - loss: 2.1747 - auc_78:
0.5073 - val_loss: 3.7076 - val_auc_78: 0.5098
Epoch 92/200
267/267 [=====] - 1s 3ms/step - loss: 2.0455 - auc_78:
0.5066 - val_loss: 1.4564 - val_auc_78: 0.5098
Epoch 93/200
267/267 [=====] - 1s 3ms/step - loss: 2.1499 - auc_78:
0.5063 - val_loss: 3.7984 - val_auc_78: 0.5163
Epoch 94/200
267/267 [=====] - 1s 3ms/step - loss: 2.1336 - auc_78:
0.5041 - val_loss: 1.4673 - val_auc_78: 0.5100
Epoch 95/200
267/267 [=====] - 1s 3ms/step - loss: 2.7235 - auc_78:
0.5090 - val_loss: 2.2095 - val_auc_78: 0.5141
Epoch 96/200
267/267 [=====] - 1s 3ms/step - loss: 2.7335 - auc_78:
0.5063 - val_loss: 2.1284 - val_auc_78: 0.5132
Epoch 97/200
267/267 [=====] - 1s 3ms/step - loss: 2.3868 - auc_78:
0.5069 - val_loss: 3.7346 - val_auc_78: 0.5057
Epoch 98/200
267/267 [=====] - 1s 3ms/step - loss: 2.4835 - auc_78:
0.5055 - val_loss: 2.6930 - val_auc_78: 0.5160

Epoch 99/200
267/267 [=====] - 1s 3ms/step - loss: 2.3914 - auc_78:
0.5097 - val_loss: 1.8970 - val_auc_78: 0.4930

Epoch 100/200
267/267 [=====] - 1s 3ms/step - loss: 2.0339 - auc_78:
0.5050 - val_loss: 1.7516 - val_auc_78: 0.5141

Epoch 101/200
267/267 [=====] - 1s 3ms/step - loss: 2.6944 - auc_78:
0.5068 - val_loss: 1.6347 - val_auc_78: 0.5059

Epoch 102/200
267/267 [=====] - 1s 3ms/step - loss: 2.3768 - auc_78:
0.5083 - val_loss: 2.2295 - val_auc_78: 0.5173

Epoch 103/200
267/267 [=====] - 1s 3ms/step - loss: 2.4908 - auc_78:
0.5114 - val_loss: 2.1488 - val_auc_78: 0.4870

Epoch 104/200
267/267 [=====] - 1s 3ms/step - loss: 2.5437 - auc_78:
0.5077 - val_loss: 1.8478 - val_auc_78: 0.5107

Epoch 105/200
267/267 [=====] - 1s 3ms/step - loss: 1.9620 - auc_78:
0.5079 - val_loss: 2.6340 - val_auc_78: 0.4996

Epoch 106/200
267/267 [=====] - 1s 3ms/step - loss: 2.6311 - auc_78:
0.5102 - val_loss: 2.3989 - val_auc_78: 0.4976

Epoch 107/200
267/267 [=====] - 1s 3ms/step - loss: 2.1946 - auc_78:
0.5061 - val_loss: 1.2336 - val_auc_78: 0.5082

Epoch 108/200
267/267 [=====] - 1s 3ms/step - loss: 2.2542 - auc_78:
0.5066 - val_loss: 3.6261 - val_auc_78: 0.5061

Epoch 109/200
267/267 [=====] - 1s 3ms/step - loss: 2.1580 - auc_78:
0.5046 - val_loss: 2.1925 - val_auc_78: 0.5157

Epoch 110/200
267/267 [=====] - 1s 3ms/step - loss: 2.1063 - auc_78:
0.5095 - val_loss: 1.3495 - val_auc_78: 0.5087

Epoch 111/200
267/267 [=====] - 1s 3ms/step - loss: 2.7882 - auc_78:
0.5031 - val_loss: 3.6830 - val_auc_78: 0.4979

Epoch 112/200
267/267 [=====] - 1s 3ms/step - loss: 2.1725 - auc_78:
0.5062 - val_loss: 1.2771 - val_auc_78: 0.5129

Epoch 113/200
267/267 [=====] - 1s 3ms/step - loss: 2.7091 - auc_78:
0.5112 - val_loss: 6.0689 - val_auc_78: 0.5131

Epoch 114/200
267/267 [=====] - 1s 3ms/step - loss: 2.5978 - auc_78:
0.5057 - val_loss: 2.1655 - val_auc_78: 0.5032

Epoch 115/200
267/267 [=====] - 1s 3ms/step - loss: 2.6643 - auc_78:
0.5080 - val_loss: 3.6361 - val_auc_78: 0.5086

Epoch 116/200
267/267 [=====] - 1s 3ms/step - loss: 2.1469 - auc_78:
0.5046 - val_loss: 2.1924 - val_auc_78: 0.5170

Epoch 117/200
267/267 [=====] - 1s 3ms/step - loss: 2.2985 - auc_78:
0.5121 - val_loss: 1.0753 - val_auc_78: 0.5188

Epoch 118/200
267/267 [=====] - 1s 3ms/step - loss: 2.5354 - auc_78:
0.5099 - val_loss: 1.9816 - val_auc_78: 0.5138

Epoch 119/200
267/267 [=====] - 1s 3ms/step - loss: 2.4737 - auc_78:
0.5115 - val_loss: 2.8012 - val_auc_78: 0.5100

Epoch 120/200
267/267 [=====] - 1s 3ms/step - loss: 2.1500 - auc_78:
0.5089 - val_loss: 1.9325 - val_auc_78: 0.5099

Epoch 121/200
267/267 [=====] - 1s 3ms/step - loss: 2.1210 - auc_78:
0.5068 - val_loss: 1.6434 - val_auc_78: 0.5026

Epoch 122/200
267/267 [=====] - 1s 3ms/step - loss: 2.2417 - auc_78:
0.5092 - val_loss: 1.2517 - val_auc_78: 0.5184

Epoch 123/200
267/267 [=====] - 1s 3ms/step - loss: 2.1487 - auc_78:
0.5122 - val_loss: 2.8089 - val_auc_78: 0.5084

Epoch 124/200
267/267 [=====] - 1s 3ms/step - loss: 2.0919 - auc_78:
0.5090 - val_loss: 1.1228 - val_auc_78: 0.5097

Epoch 125/200
267/267 [=====] - 1s 3ms/step - loss: 2.6368 - auc_78:
0.5069 - val_loss: 1.8915 - val_auc_78: 0.5102

Epoch 126/200
267/267 [=====] - 1s 3ms/step - loss: 2.3757 - auc_78:
0.5048 - val_loss: 4.2885 - val_auc_78: 0.5070

Epoch 127/200
267/267 [=====] - 1s 3ms/step - loss: 2.1693 - auc_78:
0.5095 - val_loss: 1.1258 - val_auc_78: 0.5085

Epoch 128/200
267/267 [=====] - 1s 3ms/step - loss: 2.2703 - auc_78:
0.5075 - val_loss: 3.7772 - val_auc_78: 0.4987

Epoch 129/200
267/267 [=====] - 1s 3ms/step - loss: 2.2622 - auc_78:
0.5073 - val_loss: 1.3501 - val_auc_78: 0.5111

Epoch 130/200
267/267 [=====] - 1s 3ms/step - loss: 2.3244 - auc_78:
0.5073 - val_loss: 1.9243 - val_auc_78: 0.5153

Epoch 131/200
267/267 [=====] - 1s 3ms/step - loss: 2.1062 - auc_78: 0.5077 - val_loss: 3.3260 - val_auc_78: 0.5026

Epoch 132/200
267/267 [=====] - 1s 3ms/step - loss: 2.3626 - auc_78: 0.5099 - val_loss: 3.9918 - val_auc_78: 0.5042

Epoch 133/200
267/267 [=====] - 1s 3ms/step - loss: 2.3942 - auc_78: 0.5073 - val_loss: 2.4065 - val_auc_78: 0.5013

Epoch 134/200
267/267 [=====] - 1s 3ms/step - loss: 2.7684 - auc_78: 0.5069 - val_loss: 3.1568 - val_auc_78: 0.5134

Epoch 135/200
267/267 [=====] - 1s 3ms/step - loss: 2.1499 - auc_78: 0.5068 - val_loss: 1.0278 - val_auc_78: 0.5145

Epoch 136/200
267/267 [=====] - 1s 3ms/step - loss: 1.8720 - auc_78: 0.5120 - val_loss: 1.1592 - val_auc_78: 0.5152

Epoch 137/200
267/267 [=====] - 1s 3ms/step - loss: 2.3529 - auc_78: 0.5067 - val_loss: 2.4982 - val_auc_78: 0.5045

Epoch 138/200
267/267 [=====] - 1s 3ms/step - loss: 2.3545 - auc_78: 0.5058 - val_loss: 4.5793 - val_auc_78: 0.5104

Epoch 139/200
267/267 [=====] - 1s 3ms/step - loss: 2.6102 - auc_78: 0.5062 - val_loss: 1.0264 - val_auc_78: 0.5075

Epoch 140/200
267/267 [=====] - 1s 3ms/step - loss: 2.1852 - auc_78: 0.5062 - val_loss: 2.2752 - val_auc_78: 0.5108

Epoch 141/200
267/267 [=====] - 1s 3ms/step - loss: 2.2540 - auc_78: 0.5075 - val_loss: 2.0697 - val_auc_78: 0.5139

Epoch 142/200
267/267 [=====] - 1s 3ms/step - loss: 2.2872 - auc_78: 0.5076 - val_loss: 1.3727 - val_auc_78: 0.4972

Epoch 143/200
267/267 [=====] - 1s 3ms/step - loss: 2.5538 - auc_78: 0.5006 - val_loss: 1.3701 - val_auc_78: 0.5106

Epoch 144/200
267/267 [=====] - 1s 3ms/step - loss: 2.2677 - auc_78: 0.5097 - val_loss: 2.3729 - val_auc_78: 0.5190

Epoch 145/200
267/267 [=====] - 1s 3ms/step - loss: 2.0651 - auc_78: 0.5101 - val_loss: 2.6219 - val_auc_78: 0.5126

Epoch 146/200
267/267 [=====] - 1s 3ms/step - loss: 2.1646 - auc_78: 0.5075 - val_loss: 1.3449 - val_auc_78: 0.5248

Epoch 147/200
267/267 [=====] - 1s 3ms/step - loss: 2.4060 - auc_78:
0.5078 - val_loss: 1.1681 - val_auc_78: 0.4911

Epoch 148/200
267/267 [=====] - 1s 3ms/step - loss: 2.4540 - auc_78:
0.5110 - val_loss: 2.1046 - val_auc_78: 0.5025

Epoch 149/200
267/267 [=====] - 1s 3ms/step - loss: 2.1052 - auc_78:
0.5025 - val_loss: 2.5224 - val_auc_78: 0.5170

Epoch 150/200
267/267 [=====] - 1s 3ms/step - loss: 1.9765 - auc_78:
0.5106 - val_loss: 4.8017 - val_auc_78: 0.5202

Epoch 151/200
267/267 [=====] - 1s 3ms/step - loss: 2.9138 - auc_78:
0.5093 - val_loss: 1.8832 - val_auc_78: 0.5067

Epoch 152/200
267/267 [=====] - 1s 3ms/step - loss: 2.3204 - auc_78:
0.5107 - val_loss: 2.0878 - val_auc_78: 0.5014

Epoch 153/200
267/267 [=====] - 1s 3ms/step - loss: 2.6842 - auc_78:
0.5074 - val_loss: 2.4810 - val_auc_78: 0.5012

Epoch 154/200
267/267 [=====] - 1s 3ms/step - loss: 2.4569 - auc_78:
0.5078 - val_loss: 1.8168 - val_auc_78: 0.5145

Epoch 155/200
267/267 [=====] - 1s 3ms/step - loss: 2.1229 - auc_78:
0.5105 - val_loss: 1.7106 - val_auc_78: 0.5097

Epoch 156/200
267/267 [=====] - 1s 3ms/step - loss: 2.1176 - auc_78:
0.5047 - val_loss: 2.2433 - val_auc_78: 0.5057

Epoch 157/200
267/267 [=====] - 1s 3ms/step - loss: 2.5386 - auc_78:
0.5068 - val_loss: 1.3700 - val_auc_78: 0.5157

Epoch 158/200
267/267 [=====] - 1s 3ms/step - loss: 1.8789 - auc_78:
0.5082 - val_loss: 1.3482 - val_auc_78: 0.5173

Epoch 159/200
267/267 [=====] - 1s 3ms/step - loss: 2.3774 - auc_78:
0.5069 - val_loss: 2.4334 - val_auc_78: 0.5036

Epoch 160/200
267/267 [=====] - 1s 3ms/step - loss: 2.5192 - auc_78:
0.5103 - val_loss: 2.3077 - val_auc_78: 0.5123

Epoch 161/200
267/267 [=====] - 1s 3ms/step - loss: 2.6068 - auc_78:
0.5070 - val_loss: 2.0752 - val_auc_78: 0.5068

Epoch 162/200
267/267 [=====] - 1s 3ms/step - loss: 2.2157 - auc_78:
0.5060 - val_loss: 3.0139 - val_auc_78: 0.4930

Epoch 163/200
267/267 [=====] - 1s 3ms/step - loss: 2.3505 - auc_78:
0.5072 - val_loss: 2.2099 - val_auc_78: 0.5160

Epoch 164/200
267/267 [=====] - 1s 3ms/step - loss: 2.5697 - auc_78:
0.5095 - val_loss: 2.0982 - val_auc_78: 0.5059

Epoch 165/200
267/267 [=====] - 1s 3ms/step - loss: 2.1923 - auc_78:
0.5100 - val_loss: 2.9691 - val_auc_78: 0.5145

Epoch 166/200
267/267 [=====] - 1s 3ms/step - loss: 2.3499 - auc_78:
0.5089 - val_loss: 2.1543 - val_auc_78: 0.5139

Epoch 167/200
267/267 [=====] - 1s 3ms/step - loss: 2.3923 - auc_78:
0.5068 - val_loss: 2.0274 - val_auc_78: 0.5042

Epoch 168/200
267/267 [=====] - 1s 3ms/step - loss: 2.6835 - auc_78:
0.5078 - val_loss: 2.1274 - val_auc_78: 0.5120

Epoch 169/200
267/267 [=====] - 1s 3ms/step - loss: 2.7109 - auc_78:
0.5089 - val_loss: 2.7175 - val_auc_78: 0.4976

Epoch 170/200
267/267 [=====] - 1s 3ms/step - loss: 1.9874 - auc_78:
0.5084 - val_loss: 1.7913 - val_auc_78: 0.5037

Epoch 171/200
267/267 [=====] - 1s 3ms/step - loss: 2.5987 - auc_78:
0.5071 - val_loss: 1.3769 - val_auc_78: 0.5073

Epoch 172/200
267/267 [=====] - 1s 3ms/step - loss: 2.0516 - auc_78:
0.5098 - val_loss: 3.1704 - val_auc_78: 0.5097

Epoch 173/200
267/267 [=====] - 1s 3ms/step - loss: 2.2540 - auc_78:
0.5084 - val_loss: 2.9435 - val_auc_78: 0.5165

Epoch 174/200
267/267 [=====] - 1s 3ms/step - loss: 2.4408 - auc_78:
0.5090 - val_loss: 2.6352 - val_auc_78: 0.5057

Epoch 175/200
267/267 [=====] - 1s 3ms/step - loss: 2.3021 - auc_78:
0.5095 - val_loss: 2.2465 - val_auc_78: 0.5175

Epoch 176/200
267/267 [=====] - 1s 3ms/step - loss: 3.0232 - auc_78:
0.5067 - val_loss: 2.8050 - val_auc_78: 0.4984

Epoch 177/200
267/267 [=====] - 1s 3ms/step - loss: 2.0972 - auc_78:
0.5070 - val_loss: 1.6710 - val_auc_78: 0.5159

Epoch 178/200
267/267 [=====] - 1s 3ms/step - loss: 1.9262 - auc_78:
0.5071 - val_loss: 1.7915 - val_auc_78: 0.5036

Epoch 179/200
267/267 [=====] - 1s 3ms/step - loss: 2.4954 - auc_78:
0.5073 - val_loss: 1.7487 - val_auc_78: 0.5108
Epoch 180/200
267/267 [=====] - 1s 3ms/step - loss: 2.1025 - auc_78:
0.5099 - val_loss: 2.6554 - val_auc_78: 0.4955
Epoch 181/200
267/267 [=====] - 1s 3ms/step - loss: 2.2400 - auc_78:
0.5104 - val_loss: 1.9841 - val_auc_78: 0.4951
Epoch 182/200
267/267 [=====] - 1s 3ms/step - loss: 2.2166 - auc_78:
0.5123 - val_loss: 1.6339 - val_auc_78: 0.5178
Epoch 183/200
267/267 [=====] - 1s 3ms/step - loss: 2.0624 - auc_78:
0.5105 - val_loss: 2.0419 - val_auc_78: 0.5021
Epoch 184/200
267/267 [=====] - 1s 3ms/step - loss: 2.2207 - auc_78:
0.5094 - val_loss: 1.6056 - val_auc_78: 0.4998
Epoch 185/200
267/267 [=====] - 1s 3ms/step - loss: 2.3350 - auc_78:
0.5114 - val_loss: 3.0337 - val_auc_78: 0.5039
Epoch 186/200
267/267 [=====] - 1s 3ms/step - loss: 2.3579 - auc_78:
0.5073 - val_loss: 2.4737 - val_auc_78: 0.5088
Epoch 187/200
267/267 [=====] - 1s 3ms/step - loss: 2.6025 - auc_78:
0.5049 - val_loss: 1.9616 - val_auc_78: 0.5056
Epoch 188/200
267/267 [=====] - 1s 3ms/step - loss: 2.7431 - auc_78:
0.5067 - val_loss: 1.6673 - val_auc_78: 0.5091
Epoch 189/200
267/267 [=====] - 1s 3ms/step - loss: 2.2640 - auc_78:
0.5065 - val_loss: 1.6777 - val_auc_78: 0.5160
Epoch 190/200
267/267 [=====] - 1s 3ms/step - loss: 2.0189 - auc_78:
0.5134 - val_loss: 2.0538 - val_auc_78: 0.5112
Epoch 191/200
267/267 [=====] - 1s 3ms/step - loss: 2.1414 - auc_78:
0.5081 - val_loss: 1.7117 - val_auc_78: 0.5135
Epoch 192/200
267/267 [=====] - 1s 3ms/step - loss: 2.3157 - auc_78:
0.5093 - val_loss: 3.2999 - val_auc_78: 0.5025
Epoch 193/200
267/267 [=====] - 1s 3ms/step - loss: 2.2644 - auc_78:
0.5059 - val_loss: 1.4799 - val_auc_78: 0.4981
Epoch 194/200
267/267 [=====] - 1s 3ms/step - loss: 1.8320 - auc_78:
0.5106 - val_loss: 2.8246 - val_auc_78: 0.5141

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Epoch 195/200
267/267 [=====] - 1s 3ms/step - loss: 2.2697 - auc_78:
0.5095 - val_loss: 2.7442 - val_auc_78: 0.5056
Epoch 196/200
267/267 [=====] - 1s 3ms/step - loss: 2.2764 - auc_78:
0.5116 - val_loss: 1.1711 - val_auc_78: 0.5138
Epoch 197/200
267/267 [=====] - 1s 3ms/step - loss: 2.7276 - auc_78:
0.5069 - val_loss: 2.5332 - val_auc_78: 0.5084
Epoch 198/200
267/267 [=====] - 1s 3ms/step - loss: 2.4768 - auc_78:
0.5113 - val_loss: 1.3567 - val_auc_78: 0.5126
Epoch 199/200
267/267 [=====] - 1s 3ms/step - loss: 2.7943 - auc_78:
0.5102 - val_loss: 1.9625 - val_auc_78: 0.5142
Epoch 200/200
267/267 [=====] - 1s 3ms/step - loss: 2.1876 - auc_78:
0.5064 - val_loss: 1.6977 - val_auc_78: 0.4932
  1/625 [...] - ETA: 0sWARNING:tensorflow:Callbacks
method `on_predict_batch_end` is slow compared to the batch time (batch time:
0.0000s vs `on_predict_batch_end` time: 0.0010s). Check your callbacks.
625/625 [=====] - 0s 546us/step
[CV] ... epochs=200, learning_rate=0.01, score=0.499, total= 2.6min
[CV] epochs=200, learning_rate=0.01 ...

[Parallel(n_jobs=1)]: Done    8 out of    8 | elapsed: 20.6min remaining:    0.0s

Epoch 1/200
267/267 [=====] - 1s 4ms/step - loss: 2.7954 - auc_79:
0.5033 - val_loss: 1.9414 - val_auc_79: 0.4959
Epoch 2/200
267/267 [=====] - 1s 3ms/step - loss: 2.0883 - auc_79:
0.5022 - val_loss: 1.7393 - val_auc_79: 0.4966
Epoch 3/200
267/267 [=====] - 1s 3ms/step - loss: 2.4188 - auc_79:
0.5012 - val_loss: 2.1112 - val_auc_79: 0.4983
Epoch 4/200
267/267 [=====] - 1s 3ms/step - loss: 2.3973 - auc_79:
0.5039 - val_loss: 1.7593 - val_auc_79: 0.4934
Epoch 5/200
267/267 [=====] - 1s 3ms/step - loss: 2.2221 - auc_79:
0.5006 - val_loss: 2.6560 - val_auc_79: 0.5106
Epoch 6/200
267/267 [=====] - 1s 3ms/step - loss: 2.2653 - auc_79:
0.5027 - val_loss: 1.8226 - val_auc_79: 0.4975
Epoch 7/200
267/267 [=====] - 1s 3ms/step - loss: 2.3216 - auc_79:
0.5032 - val_loss: 2.9277 - val_auc_79: 0.5033
Epoch 8/200

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267/267 [=====] - 1s 3ms/step - loss: 2.0585 - auc_79:
0.5034 - val_loss: 1.8517 - val_auc_79: 0.5048
Epoch 9/200
267/267 [=====] - 1s 3ms/step - loss: 2.2569 - auc_79:
0.5036 - val_loss: 3.4938 - val_auc_79: 0.4979
Epoch 10/200
267/267 [=====] - 1s 3ms/step - loss: 2.1905 - auc_79:
0.5042 - val_loss: 3.2012 - val_auc_79: 0.5050
Epoch 11/200
267/267 [=====] - 1s 3ms/step - loss: 2.2413 - auc_79:
0.5043 - val_loss: 1.9627 - val_auc_79: 0.5061
Epoch 12/200
267/267 [=====] - 1s 3ms/step - loss: 2.6621 - auc_79:
0.5043 - val_loss: 1.5994 - val_auc_79: 0.5064
Epoch 13/200
267/267 [=====] - 1s 3ms/step - loss: 2.6713 - auc_79:
0.5040 - val_loss: 2.0081 - val_auc_79: 0.4918
Epoch 14/200
267/267 [=====] - 1s 3ms/step - loss: 2.7144 - auc_79:
0.5052 - val_loss: 2.0625 - val_auc_79: 0.5046
Epoch 15/200
267/267 [=====] - 1s 3ms/step - loss: 2.6053 - auc_79:
0.5025 - val_loss: 2.5015 - val_auc_79: 0.5066
Epoch 16/200
267/267 [=====] - 1s 3ms/step - loss: 2.1289 - auc_79:
0.5045 - val_loss: 3.8402 - val_auc_79: 0.4978
Epoch 17/200
267/267 [=====] - 1s 3ms/step - loss: 2.2954 - auc_79:
0.5037 - val_loss: 1.6118 - val_auc_79: 0.5015
Epoch 18/200
267/267 [=====] - 1s 3ms/step - loss: 2.3489 - auc_79:
0.5051 - val_loss: 2.1843 - val_auc_79: 0.5048
Epoch 19/200
267/267 [=====] - 1s 3ms/step - loss: 2.3800 - auc_79:
0.5048 - val_loss: 2.2894 - val_auc_79: 0.4997
Epoch 20/200
267/267 [=====] - 1s 3ms/step - loss: 2.2696 - auc_79:
0.5059 - val_loss: 1.5413 - val_auc_79: 0.5125
Epoch 21/200
267/267 [=====] - 1s 3ms/step - loss: 2.1854 - auc_79:
0.5034 - val_loss: 1.5303 - val_auc_79: 0.4985
Epoch 22/200
267/267 [=====] - 1s 3ms/step - loss: 2.1953 - auc_79:
0.5071 - val_loss: 3.6460 - val_auc_79: 0.5020
Epoch 23/200
267/267 [=====] - 1s 3ms/step - loss: 2.8017 - auc_79:
0.5052 - val_loss: 1.7908 - val_auc_79: 0.4929
Epoch 24/200

267/267 [=====] - 1s 3ms/step - loss: 2.2305 - auc_79:
0.5050 - val_loss: 1.6154 - val_auc_79: 0.5116
Epoch 25/200
267/267 [=====] - 1s 3ms/step - loss: 1.9440 - auc_79:
0.5059 - val_loss: 2.6853 - val_auc_79: 0.5047
Epoch 26/200
267/267 [=====] - 1s 3ms/step - loss: 2.1059 - auc_79:
0.5036 - val_loss: 1.5122 - val_auc_79: 0.5012
Epoch 27/200
267/267 [=====] - 1s 3ms/step - loss: 2.2876 - auc_79:
0.5080 - val_loss: 2.0390 - val_auc_79: 0.5070
Epoch 28/200
267/267 [=====] - 1s 3ms/step - loss: 2.5066 - auc_79:
0.5048 - val_loss: 2.6121 - val_auc_79: 0.5035
Epoch 29/200
267/267 [=====] - 1s 3ms/step - loss: 2.4720 - auc_79:
0.5057 - val_loss: 1.8674 - val_auc_79: 0.4987
Epoch 30/200
267/267 [=====] - 1s 3ms/step - loss: 2.0705 - auc_79:
0.5029 - val_loss: 1.8323 - val_auc_79: 0.5075
Epoch 31/200
267/267 [=====] - 1s 3ms/step - loss: 2.2753 - auc_79:
0.5081 - val_loss: 2.6539 - val_auc_79: 0.5065
Epoch 32/200
267/267 [=====] - 1s 3ms/step - loss: 2.2778 - auc_79:
0.5095 - val_loss: 2.3150 - val_auc_79: 0.5044
Epoch 33/200
267/267 [=====] - 1s 3ms/step - loss: 2.2342 - auc_79:
0.5053 - val_loss: 2.3954 - val_auc_79: 0.4932
Epoch 34/200
267/267 [=====] - 1s 3ms/step - loss: 2.5588 - auc_79:
0.5091 - val_loss: 3.9416 - val_auc_79: 0.5130
Epoch 35/200
267/267 [=====] - 1s 3ms/step - loss: 2.2795 - auc_79:
0.5056 - val_loss: 1.9075 - val_auc_79: 0.5131
Epoch 36/200
267/267 [=====] - 1s 3ms/step - loss: 2.1836 - auc_79:
0.5038 - val_loss: 3.5603 - val_auc_79: 0.5088
Epoch 37/200
267/267 [=====] - 1s 3ms/step - loss: 2.3092 - auc_79:
0.5051 - val_loss: 2.3173 - val_auc_79: 0.4921
Epoch 38/200
267/267 [=====] - 1s 3ms/step - loss: 2.2419 - auc_79:
0.5024 - val_loss: 2.0171 - val_auc_79: 0.4952
Epoch 39/200
267/267 [=====] - 1s 3ms/step - loss: 2.2834 - auc_79:
0.5029 - val_loss: 1.6954 - val_auc_79: 0.5015
Epoch 40/200

267/267 [=====] - 1s 3ms/step - loss: 1.9809 - auc_79:
 0.5071 - val_loss: 1.3120 - val_auc_79: 0.5013
 Epoch 41/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0833 - auc_79:
 0.5066 - val_loss: 1.9794 - val_auc_79: 0.5103
 Epoch 42/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1347 - auc_79:
 0.5048 - val_loss: 1.4805 - val_auc_79: 0.5087
 Epoch 43/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4754 - auc_79:
 0.5043 - val_loss: 2.3153 - val_auc_79: 0.5054
 Epoch 44/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2420 - auc_79:
 0.5073 - val_loss: 3.0002 - val_auc_79: 0.5075
 Epoch 45/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1651 - auc_79:
 0.5081 - val_loss: 3.0135 - val_auc_79: 0.5029
 Epoch 46/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2391 - auc_79:
 0.5041 - val_loss: 1.5875 - val_auc_79: 0.5095
 Epoch 47/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0728 - auc_79:
 0.5092 - val_loss: 1.5507 - val_auc_79: 0.5036
 Epoch 48/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3207 - auc_79:
 0.5072 - val_loss: 1.6769 - val_auc_79: 0.5092
 Epoch 49/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1173 - auc_79:
 0.5049 - val_loss: 2.2387 - val_auc_79: 0.5129
 Epoch 50/200
 267/267 [=====] - 1s 3ms/step - loss: 2.0012 - auc_79:
 0.5067 - val_loss: 1.9417 - val_auc_79: 0.5106
 Epoch 51/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5641 - auc_79:
 0.5059 - val_loss: 3.5980 - val_auc_79: 0.5080
 Epoch 52/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2834 - auc_79:
 0.5061 - val_loss: 4.5565 - val_auc_79: 0.5029
 Epoch 53/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3772 - auc_79:
 0.5051 - val_loss: 3.4627 - val_auc_79: 0.5016
 Epoch 54/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6556 - auc_79:
 0.5077 - val_loss: 2.6385 - val_auc_79: 0.5011
 Epoch 55/200
 267/267 [=====] - 1s 3ms/step - loss: 1.9074 - auc_79:
 0.5060 - val_loss: 1.4267 - val_auc_79: 0.5121
 Epoch 56/200

267/267 [=====] - 1s 3ms/step - loss: 2.3721 - auc_79:
0.5039 - val_loss: 2.0667 - val_auc_79: 0.4992
Epoch 57/200
267/267 [=====] - 1s 3ms/step - loss: 2.2501 - auc_79:
0.5067 - val_loss: 1.5015 - val_auc_79: 0.5091
Epoch 58/200
267/267 [=====] - 1s 3ms/step - loss: 2.2715 - auc_79:
0.5070 - val_loss: 2.1392 - val_auc_79: 0.5126
Epoch 59/200
267/267 [=====] - 1s 3ms/step - loss: 2.2492 - auc_79:
0.5036 - val_loss: 1.4866 - val_auc_79: 0.5007
Epoch 60/200
267/267 [=====] - 1s 3ms/step - loss: 2.4697 - auc_79:
0.5071 - val_loss: 2.7547 - val_auc_79: 0.5020
Epoch 61/200
267/267 [=====] - 1s 3ms/step - loss: 2.3927 - auc_79:
0.5012 - val_loss: 1.9514 - val_auc_79: 0.4966
Epoch 62/200
267/267 [=====] - 1s 3ms/step - loss: 2.1707 - auc_79:
0.5072 - val_loss: 1.2877 - val_auc_79: 0.5023
Epoch 63/200
267/267 [=====] - 1s 3ms/step - loss: 2.3742 - auc_79:
0.5036 - val_loss: 2.7094 - val_auc_79: 0.5097
Epoch 64/200
267/267 [=====] - 1s 3ms/step - loss: 3.1232 - auc_79:
0.5073 - val_loss: 6.6136 - val_auc_79: 0.4943
Epoch 65/200
267/267 [=====] - 1s 3ms/step - loss: 2.2981 - auc_79:
0.5067 - val_loss: 2.8027 - val_auc_79: 0.5089
Epoch 66/200
267/267 [=====] - 1s 3ms/step - loss: 2.3157 - auc_79:
0.5055 - val_loss: 3.1183 - val_auc_79: 0.5059
Epoch 67/200
267/267 [=====] - 1s 3ms/step - loss: 2.2807 - auc_79:
0.5067 - val_loss: 1.8382 - val_auc_79: 0.5101
Epoch 68/200
267/267 [=====] - 1s 3ms/step - loss: 2.4512 - auc_79:
0.5079 - val_loss: 1.8546 - val_auc_79: 0.5107
Epoch 69/200
267/267 [=====] - 1s 3ms/step - loss: 2.5286 - auc_79:
0.5067 - val_loss: 1.5451 - val_auc_79: 0.5050
Epoch 70/200
267/267 [=====] - 1s 3ms/step - loss: 2.0262 - auc_79:
0.5067 - val_loss: 2.0685 - val_auc_79: 0.5036
Epoch 71/200
267/267 [=====] - 1s 3ms/step - loss: 2.0654 - auc_79:
0.5118 - val_loss: 1.2061 - val_auc_79: 0.4997
Epoch 72/200

267/267 [=====] - 1s 3ms/step - loss: 2.7356 - auc_79:
0.5078 - val_loss: 1.6355 - val_auc_79: 0.5037
Epoch 73/200
267/267 [=====] - 1s 3ms/step - loss: 2.1792 - auc_79:
0.5074 - val_loss: 3.0645 - val_auc_79: 0.5088
Epoch 74/200
267/267 [=====] - 1s 3ms/step - loss: 2.3223 - auc_79:
0.5047 - val_loss: 2.5224 - val_auc_79: 0.5109
Epoch 75/200
267/267 [=====] - 1s 3ms/step - loss: 2.2642 - auc_79:
0.5098 - val_loss: 1.5543 - val_auc_79: 0.5033
Epoch 76/200
267/267 [=====] - 1s 3ms/step - loss: 2.2779 - auc_79:
0.5048 - val_loss: 2.8056 - val_auc_79: 0.4979
Epoch 77/200
267/267 [=====] - 1s 3ms/step - loss: 2.3463 - auc_79:
0.5064 - val_loss: 2.3880 - val_auc_79: 0.5061
Epoch 78/200
267/267 [=====] - 1s 3ms/step - loss: 2.1886 - auc_79:
0.5067 - val_loss: 1.5880 - val_auc_79: 0.5135
Epoch 79/200
267/267 [=====] - 1s 3ms/step - loss: 2.1637 - auc_79:
0.5052 - val_loss: 1.8247 - val_auc_79: 0.4898
Epoch 80/200
267/267 [=====] - 1s 3ms/step - loss: 2.3459 - auc_79:
0.5068 - val_loss: 1.8265 - val_auc_79: 0.4953
Epoch 81/200
267/267 [=====] - 1s 3ms/step - loss: 2.5434 - auc_79:
0.5100 - val_loss: 4.5559 - val_auc_79: 0.4947
Epoch 82/200
267/267 [=====] - 1s 3ms/step - loss: 2.1644 - auc_79:
0.5071 - val_loss: 2.7978 - val_auc_79: 0.5070
Epoch 83/200
267/267 [=====] - 1s 3ms/step - loss: 2.5993 - auc_79:
0.5060 - val_loss: 1.6733 - val_auc_79: 0.5070
Epoch 84/200
267/267 [=====] - 1s 3ms/step - loss: 2.2691 - auc_79:
0.5034 - val_loss: 1.9288 - val_auc_79: 0.5078
Epoch 85/200
267/267 [=====] - 1s 3ms/step - loss: 2.1660 - auc_79:
0.5054 - val_loss: 2.5027 - val_auc_79: 0.5051
Epoch 86/200
267/267 [=====] - 1s 3ms/step - loss: 2.8220 - auc_79:
0.5063 - val_loss: 1.4029 - val_auc_79: 0.5151
Epoch 87/200
267/267 [=====] - 1s 3ms/step - loss: 2.6486 - auc_79:
0.5016 - val_loss: 3.9567 - val_auc_79: 0.5109
Epoch 88/200

267/267 [=====] - 1s 3ms/step - loss: 2.4935 - auc_79:
0.5050 - val_loss: 1.2243 - val_auc_79: 0.5065
Epoch 89/200
267/267 [=====] - 1s 3ms/step - loss: 1.9995 - auc_79:
0.5117 - val_loss: 1.0398 - val_auc_79: 0.4984
Epoch 90/200
267/267 [=====] - 1s 3ms/step - loss: 2.3499 - auc_79:
0.5071 - val_loss: 1.9948 - val_auc_79: 0.5025
Epoch 91/200
267/267 [=====] - 1s 3ms/step - loss: 2.2577 - auc_79:
0.5076 - val_loss: 1.9138 - val_auc_79: 0.5095
Epoch 92/200
267/267 [=====] - 1s 3ms/step - loss: 2.2395 - auc_79:
0.5061 - val_loss: 2.5246 - val_auc_79: 0.5014
Epoch 93/200
267/267 [=====] - 1s 3ms/step - loss: 2.2210 - auc_79:
0.5070 - val_loss: 2.5826 - val_auc_79: 0.5086
Epoch 94/200
267/267 [=====] - 1s 3ms/step - loss: 2.4111 - auc_79:
0.5089 - val_loss: 1.7490 - val_auc_79: 0.5057
Epoch 95/200
267/267 [=====] - 1s 3ms/step - loss: 2.2478 - auc_79:
0.5059 - val_loss: 2.2806 - val_auc_79: 0.5105
Epoch 96/200
267/267 [=====] - 1s 3ms/step - loss: 2.2495 - auc_79:
0.5048 - val_loss: 2.4841 - val_auc_79: 0.5118
Epoch 97/200
267/267 [=====] - 1s 3ms/step - loss: 2.3343 - auc_79:
0.5072 - val_loss: 4.0974 - val_auc_79: 0.5021
Epoch 98/200
267/267 [=====] - 1s 3ms/step - loss: 2.2092 - auc_79:
0.5085 - val_loss: 2.3484 - val_auc_79: 0.4954
Epoch 99/200
267/267 [=====] - 1s 3ms/step - loss: 2.3205 - auc_79:
0.5082 - val_loss: 2.5701 - val_auc_79: 0.5053
Epoch 100/200
267/267 [=====] - 1s 3ms/step - loss: 2.3275 - auc_79:
0.5062 - val_loss: 1.6284 - val_auc_79: 0.5072
Epoch 101/200
267/267 [=====] - 1s 3ms/step - loss: 2.0411 - auc_79:
0.5081 - val_loss: 1.3353 - val_auc_79: 0.5054
Epoch 102/200
267/267 [=====] - 1s 3ms/step - loss: 2.3637 - auc_79:
0.5050 - val_loss: 1.8200 - val_auc_79: 0.5130
Epoch 103/200
267/267 [=====] - 1s 3ms/step - loss: 2.3137 - auc_79:
0.5056 - val_loss: 1.7681 - val_auc_79: 0.5109
Epoch 104/200

267/267 [=====] - 1s 3ms/step - loss: 2.5253 - auc_79:
0.5087 - val_loss: 2.0191 - val_auc_79: 0.4933
Epoch 105/200
267/267 [=====] - 1s 3ms/step - loss: 2.6087 - auc_79:
0.5024 - val_loss: 1.9965 - val_auc_79: 0.5044
Epoch 106/200
267/267 [=====] - 1s 3ms/step - loss: 2.2258 - auc_79:
0.5062 - val_loss: 1.8817 - val_auc_79: 0.5042
Epoch 107/200
267/267 [=====] - 1s 3ms/step - loss: 2.3467 - auc_79:
0.5063 - val_loss: 2.3330 - val_auc_79: 0.5051
Epoch 108/200
267/267 [=====] - 1s 3ms/step - loss: 2.0696 - auc_79:
0.5083 - val_loss: 2.9561 - val_auc_79: 0.4930
Epoch 109/200
267/267 [=====] - 1s 3ms/step - loss: 2.0830 - auc_79:
0.5096 - val_loss: 2.3648 - val_auc_79: 0.5164
Epoch 110/200
267/267 [=====] - 1s 3ms/step - loss: 2.3694 - auc_79:
0.5078 - val_loss: 5.6517 - val_auc_79: 0.4996
Epoch 111/200
267/267 [=====] - 1s 3ms/step - loss: 2.6568 - auc_79:
0.5027 - val_loss: 2.1615 - val_auc_79: 0.4991
Epoch 112/200
267/267 [=====] - 1s 3ms/step - loss: 2.3862 - auc_79:
0.5053 - val_loss: 2.7201 - val_auc_79: 0.4977
Epoch 113/200
267/267 [=====] - 1s 3ms/step - loss: 2.0736 - auc_79:
0.5058 - val_loss: 1.5256 - val_auc_79: 0.5001
Epoch 114/200
267/267 [=====] - 1s 3ms/step - loss: 2.7017 - auc_79:
0.5049 - val_loss: 2.3295 - val_auc_79: 0.5051
Epoch 115/200
267/267 [=====] - 1s 3ms/step - loss: 2.2167 - auc_79:
0.5078 - val_loss: 1.6871 - val_auc_79: 0.5045
Epoch 116/200
267/267 [=====] - 1s 3ms/step - loss: 2.7047 - auc_79:
0.5043 - val_loss: 1.8692 - val_auc_79: 0.5013
Epoch 117/200
267/267 [=====] - 1s 3ms/step - loss: 1.9941 - auc_79:
0.5082 - val_loss: 2.1931 - val_auc_79: 0.5064
Epoch 118/200
267/267 [=====] - 1s 3ms/step - loss: 2.2453 - auc_79:
0.5080 - val_loss: 2.9194 - val_auc_79: 0.5048
Epoch 119/200
267/267 [=====] - 1s 3ms/step - loss: 2.1715 - auc_79:
0.5053 - val_loss: 1.9688 - val_auc_79: 0.4974
Epoch 120/200

267/267 [=====] - 1s 3ms/step - loss: 2.3087 - auc_79:
0.5069 - val_loss: 1.5222 - val_auc_79: 0.5001
Epoch 121/200
267/267 [=====] - 1s 3ms/step - loss: 2.5150 - auc_79:
0.5088 - val_loss: 5.2594 - val_auc_79: 0.4950
Epoch 122/200
267/267 [=====] - 1s 3ms/step - loss: 2.2875 - auc_79:
0.5106 - val_loss: 2.2129 - val_auc_79: 0.5055
Epoch 123/200
267/267 [=====] - 1s 3ms/step - loss: 2.7581 - auc_79:
0.5056 - val_loss: 4.8694 - val_auc_79: 0.5040
Epoch 124/200
267/267 [=====] - 1s 3ms/step - loss: 2.6988 - auc_79:
0.5085 - val_loss: 1.0065 - val_auc_79: 0.5006
Epoch 125/200
267/267 [=====] - 1s 3ms/step - loss: 2.2029 - auc_79:
0.5038 - val_loss: 1.9550 - val_auc_79: 0.5016
Epoch 126/200
267/267 [=====] - 1s 3ms/step - loss: 2.2380 - auc_79:
0.5054 - val_loss: 1.9532 - val_auc_79: 0.5065
Epoch 127/200
267/267 [=====] - 1s 3ms/step - loss: 2.1409 - auc_79:
0.5071 - val_loss: 1.4023 - val_auc_79: 0.4987
Epoch 128/200
267/267 [=====] - 1s 3ms/step - loss: 2.3288 - auc_79:
0.5071 - val_loss: 2.3874 - val_auc_79: 0.5091
Epoch 129/200
267/267 [=====] - 1s 3ms/step - loss: 2.3041 - auc_79:
0.5082 - val_loss: 1.8039 - val_auc_79: 0.4923
Epoch 130/200
267/267 [=====] - 1s 3ms/step - loss: 2.3377 - auc_79:
0.5068 - val_loss: 1.7884 - val_auc_79: 0.5090
Epoch 131/200
267/267 [=====] - 1s 3ms/step - loss: 2.2944 - auc_79:
0.5075 - val_loss: 3.5049 - val_auc_79: 0.4926
Epoch 132/200
267/267 [=====] - 1s 3ms/step - loss: 2.5163 - auc_79:
0.5082 - val_loss: 1.2170 - val_auc_79: 0.5019
Epoch 133/200
267/267 [=====] - 1s 3ms/step - loss: 2.4005 - auc_79:
0.5062 - val_loss: 1.9318 - val_auc_79: 0.5048
Epoch 134/200
267/267 [=====] - 1s 3ms/step - loss: 2.4850 - auc_79:
0.5073 - val_loss: 1.9472 - val_auc_79: 0.5075
Epoch 135/200
267/267 [=====] - 1s 3ms/step - loss: 2.2796 - auc_79:
0.5100 - val_loss: 3.0240 - val_auc_79: 0.4994
Epoch 136/200

267/267 [=====] - 1s 3ms/step - loss: 2.3225 - auc_79:
 0.5094 - val_loss: 2.3804 - val_auc_79: 0.4959
 Epoch 137/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3713 - auc_79:
 0.5055 - val_loss: 1.9448 - val_auc_79: 0.5061
 Epoch 138/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4790 - auc_79:
 0.5095 - val_loss: 2.9987 - val_auc_79: 0.5022
 Epoch 139/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3497 - auc_79:
 0.5093 - val_loss: 3.8685 - val_auc_79: 0.4936
 Epoch 140/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4727 - auc_79:
 0.5085 - val_loss: 2.1939 - val_auc_79: 0.5087
 Epoch 141/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2944 - auc_79:
 0.5071 - val_loss: 1.4861 - val_auc_79: 0.4918
 Epoch 142/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5259 - auc_79:
 0.5090 - val_loss: 2.1317 - val_auc_79: 0.4952
 Epoch 143/200
 267/267 [=====] - 1s 3ms/step - loss: 2.3711 - auc_79:
 0.5077 - val_loss: 3.5087 - val_auc_79: 0.5117
 Epoch 144/200
 267/267 [=====] - 1s 4ms/step - loss: 2.3939 - auc_79:
 0.5093 - val_loss: 2.5273 - val_auc_79: 0.5026
 Epoch 145/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2506 - auc_79:
 0.5075 - val_loss: 1.4848 - val_auc_79: 0.5117
 Epoch 146/200
 267/267 [=====] - 1s 3ms/step - loss: 2.4078 - auc_79:
 0.5049 - val_loss: 1.3998 - val_auc_79: 0.5113
 Epoch 147/200
 267/267 [=====] - 1s 3ms/step - loss: 2.5730 - auc_79:
 0.5078 - val_loss: 1.7595 - val_auc_79: 0.5097
 Epoch 148/200
 267/267 [=====] - 1s 3ms/step - loss: 2.2406 - auc_79:
 0.5035 - val_loss: 2.1641 - val_auc_79: 0.5017
 Epoch 149/200
 267/267 [=====] - 1s 3ms/step - loss: 2.1609 - auc_79:
 0.5096 - val_loss: 1.6863 - val_auc_79: 0.5051
 Epoch 150/200
 267/267 [=====] - 1s 3ms/step - loss: 1.9960 - auc_79:
 0.5073 - val_loss: 3.5926 - val_auc_79: 0.4921
 Epoch 151/200
 267/267 [=====] - 1s 3ms/step - loss: 2.6600 - auc_79:
 0.5044 - val_loss: 1.3486 - val_auc_79: 0.4949
 Epoch 152/200

267/267 [=====] - 1s 3ms/step - loss: 2.4756 - auc_79:
0.5109 - val_loss: 2.8529 - val_auc_79: 0.5050
Epoch 153/200
267/267 [=====] - 1s 3ms/step - loss: 2.2949 - auc_79:
0.5089 - val_loss: 2.4625 - val_auc_79: 0.4972
Epoch 154/200
267/267 [=====] - 1s 3ms/step - loss: 2.2160 - auc_79:
0.5086 - val_loss: 3.1799 - val_auc_79: 0.5070
Epoch 155/200
267/267 [=====] - 1s 3ms/step - loss: 2.4260 - auc_79:
0.5056 - val_loss: 1.9704 - val_auc_79: 0.5038
Epoch 156/200
267/267 [=====] - 1s 3ms/step - loss: 2.5442 - auc_79:
0.5079 - val_loss: 2.7277 - val_auc_79: 0.5076
Epoch 157/200
267/267 [=====] - 1s 3ms/step - loss: 2.4571 - auc_79:
0.5073 - val_loss: 3.0175 - val_auc_79: 0.5046
Epoch 158/200
267/267 [=====] - 1s 3ms/step - loss: 2.1664 - auc_79:
0.5070 - val_loss: 1.5359 - val_auc_79: 0.4992
Epoch 159/200
267/267 [=====] - 1s 3ms/step - loss: 2.4653 - auc_79:
0.5083 - val_loss: 1.7348 - val_auc_79: 0.4965
Epoch 160/200
267/267 [=====] - 1s 3ms/step - loss: 2.2055 - auc_79:
0.5068 - val_loss: 2.9280 - val_auc_79: 0.5079
Epoch 161/200
267/267 [=====] - 1s 3ms/step - loss: 2.0133 - auc_79:
0.5062 - val_loss: 3.9451 - val_auc_79: 0.5011
Epoch 162/200
267/267 [=====] - 1s 3ms/step - loss: 2.4005 - auc_79:
0.5054 - val_loss: 3.4769 - val_auc_79: 0.5038
Epoch 163/200
267/267 [=====] - 1s 3ms/step - loss: 2.3982 - auc_79:
0.5071 - val_loss: 1.7396 - val_auc_79: 0.5122
Epoch 164/200
267/267 [=====] - 1s 3ms/step - loss: 2.2502 - auc_79:
0.5086 - val_loss: 2.8907 - val_auc_79: 0.4986
Epoch 165/200
267/267 [=====] - 1s 3ms/step - loss: 2.5698 - auc_79:
0.5061 - val_loss: 1.9760 - val_auc_79: 0.5083
Epoch 166/200
267/267 [=====] - 1s 3ms/step - loss: 2.7987 - auc_79:
0.5095 - val_loss: 3.3062 - val_auc_79: 0.5073
Epoch 167/200
267/267 [=====] - 1s 3ms/step - loss: 2.4739 - auc_79:
0.5109 - val_loss: 2.0351 - val_auc_79: 0.5096
Epoch 168/200

267/267 [=====] - 1s 3ms/step - loss: 2.2083 - auc_79:
0.5068 - val_loss: 1.3094 - val_auc_79: 0.5052
Epoch 169/200
267/267 [=====] - 1s 3ms/step - loss: 2.1478 - auc_79:
0.5107 - val_loss: 1.2090 - val_auc_79: 0.5056
Epoch 170/200
267/267 [=====] - 1s 3ms/step - loss: 2.3899 - auc_79:
0.5031 - val_loss: 4.4425 - val_auc_79: 0.5051
Epoch 171/200
267/267 [=====] - 1s 3ms/step - loss: 2.2694 - auc_79:
0.5048 - val_loss: 2.2589 - val_auc_79: 0.5027
Epoch 172/200
267/267 [=====] - 1s 3ms/step - loss: 2.7563 - auc_79:
0.5071 - val_loss: 1.6977 - val_auc_79: 0.5122
Epoch 173/200
267/267 [=====] - 1s 3ms/step - loss: 2.0011 - auc_79:
0.5079 - val_loss: 1.6714 - val_auc_79: 0.5099
Epoch 174/200
267/267 [=====] - 1s 3ms/step - loss: 1.5975 - auc_79:
0.5071 - val_loss: 1.4584 - val_auc_79: 0.5125
Epoch 175/200
267/267 [=====] - 1s 3ms/step - loss: 2.7871 - auc_79:
0.5057 - val_loss: 1.3197 - val_auc_79: 0.5108
Epoch 176/200
267/267 [=====] - 1s 3ms/step - loss: 2.1797 - auc_79:
0.5030 - val_loss: 2.3558 - val_auc_79: 0.5126
Epoch 177/200
267/267 [=====] - 1s 3ms/step - loss: 2.6869 - auc_79:
0.5082 - val_loss: 2.2853 - val_auc_79: 0.5057
Epoch 178/200
267/267 [=====] - 1s 3ms/step - loss: 2.3318 - auc_79:
0.5041 - val_loss: 2.8221 - val_auc_79: 0.5080
Epoch 179/200
267/267 [=====] - 1s 3ms/step - loss: 2.6144 - auc_79:
0.5082 - val_loss: 2.2171 - val_auc_79: 0.5071
Epoch 180/200
267/267 [=====] - 1s 3ms/step - loss: 2.3015 - auc_79:
0.5090 - val_loss: 2.0529 - val_auc_79: 0.4970
Epoch 181/200
267/267 [=====] - 1s 3ms/step - loss: 2.1133 - auc_79:
0.5082 - val_loss: 2.3872 - val_auc_79: 0.4987
Epoch 182/200
267/267 [=====] - 1s 3ms/step - loss: 2.7661 - auc_79:
0.5083 - val_loss: 2.4065 - val_auc_79: 0.5006
Epoch 183/200
267/267 [=====] - 1s 3ms/step - loss: 2.3478 - auc_79:
0.5057 - val_loss: 2.0888 - val_auc_79: 0.5116
Epoch 184/200

267/267 [=====] - 1s 3ms/step - loss: 2.2955 - auc_79:
0.5098 - val_loss: 1.8790 - val_auc_79: 0.5025
Epoch 185/200
267/267 [=====] - 1s 3ms/step - loss: 2.1859 - auc_79:
0.5056 - val_loss: 1.1959 - val_auc_79: 0.5099
Epoch 186/200
267/267 [=====] - 1s 3ms/step - loss: 2.4545 - auc_79:
0.5100 - val_loss: 1.9686 - val_auc_79: 0.4979
Epoch 187/200
267/267 [=====] - 1s 3ms/step - loss: 2.3536 - auc_79:
0.5085 - val_loss: 2.2337 - val_auc_79: 0.5061
Epoch 188/200
267/267 [=====] - 1s 3ms/step - loss: 2.5108 - auc_79:
0.5074 - val_loss: 1.0580 - val_auc_79: 0.5083
Epoch 189/200
267/267 [=====] - 1s 3ms/step - loss: 2.2618 - auc_79:
0.5063 - val_loss: 3.5609 - val_auc_79: 0.5059
Epoch 190/200
267/267 [=====] - 1s 3ms/step - loss: 3.4129 - auc_79:
0.5058 - val_loss: 3.0085 - val_auc_79: 0.5052
Epoch 191/200
267/267 [=====] - 1s 3ms/step - loss: 2.1917 - auc_79:
0.5063 - val_loss: 1.8223 - val_auc_79: 0.5062
Epoch 192/200
267/267 [=====] - 1s 3ms/step - loss: 2.2647 - auc_79:
0.5088 - val_loss: 1.2657 - val_auc_79: 0.5001
Epoch 193/200
267/267 [=====] - 1s 3ms/step - loss: 2.5227 - auc_79:
0.5078 - val_loss: 3.1491 - val_auc_79: 0.4955
Epoch 194/200
267/267 [=====] - 1s 3ms/step - loss: 2.5244 - auc_79:
0.5041 - val_loss: 3.9738 - val_auc_79: 0.5088
Epoch 195/200
267/267 [=====] - 1s 3ms/step - loss: 2.2202 - auc_79:
0.5095 - val_loss: 1.8303 - val_auc_79: 0.5181
Epoch 196/200
267/267 [=====] - 1s 3ms/step - loss: 2.3619 - auc_79:
0.5069 - val_loss: 2.4049 - val_auc_79: 0.4991
Epoch 197/200
267/267 [=====] - 1s 3ms/step - loss: 2.6842 - auc_79:
0.5076 - val_loss: 1.4800 - val_auc_79: 0.5060
Epoch 198/200
267/267 [=====] - 1s 3ms/step - loss: 2.2091 - auc_79:
0.5094 - val_loss: 1.2252 - val_auc_79: 0.5080
Epoch 199/200
267/267 [=====] - 1s 3ms/step - loss: 2.4484 - auc_79:
0.5059 - val_loss: 2.5769 - val_auc_79: 0.5079
Epoch 200/200


```

267/267 [=====] - 1s 3ms/step - loss: 2.8838 - auc_79:
0.5064 - val_loss: 2.5819 - val_auc_79: 0.4994
1/625 [...] - ETA: 0sWARNING:tensorflow:Callbacks
method `on_predict_batch_end` is slow compared to the batch time (batch time:
0.0000s vs `on_predict_batch_end` time: 0.0010s). Check your callbacks.
625/625 [=====] - 0s 589us/step
[CV] ... epochs=200, learning_rate=0.01, score=0.501, total= 2.6min
[CV] epochs=200, learning_rate=0.01 ...
Epoch 1/200

[Parallel(n_jobs=1)]: Done 9 out of 9 | elapsed: 23.3min remaining: 0.0s


267/267 [=====] - 1s 4ms/step - loss: 4.4060 - auc_80:
0.5044 - val_loss: 3.4292 - val_auc_80: 0.5074
Epoch 2/200
267/267 [=====] - 1s 3ms/step - loss: 2.8170 - auc_80:
0.5075 - val_loss: 1.8579 - val_auc_80: 0.5114
Epoch 3/200
267/267 [=====] - 1s 3ms/step - loss: 2.0723 - auc_80:
0.5055 - val_loss: 1.2757 - val_auc_80: 0.5020
Epoch 4/200
267/267 [=====] - 1s 3ms/step - loss: 2.2224 - auc_80:
0.5063 - val_loss: 1.3478 - val_auc_80: 0.5033
Epoch 5/200
267/267 [=====] - 1s 3ms/step - loss: 2.3769 - auc_80:
0.5073 - val_loss: 1.9340 - val_auc_80: 0.5097
Epoch 6/200
267/267 [=====] - 1s 3ms/step - loss: 2.5762 - auc_80:
0.5063 - val_loss: 3.9410 - val_auc_80: 0.4977
Epoch 7/200
267/267 [=====] - 1s 3ms/step - loss: 2.2596 - auc_80:
0.5079 - val_loss: 1.8885 - val_auc_80: 0.5059
Epoch 8/200
267/267 [=====] - 1s 3ms/step - loss: 2.1994 - auc_80:
0.5053 - val_loss: 2.3867 - val_auc_80: 0.5085
Epoch 9/200
267/267 [=====] - 1s 3ms/step - loss: 2.3948 - auc_80:
0.5082 - val_loss: 3.2213 - val_auc_80: 0.5056
Epoch 10/200
267/267 [=====] - 1s 3ms/step - loss: 2.6616 - auc_80:
0.5076 - val_loss: 3.6356 - val_auc_80: 0.5086
Epoch 11/200
267/267 [=====] - 1s 3ms/step - loss: 2.2151 - auc_80:
0.5076 - val_loss: 1.4981 - val_auc_80: 0.5009
Epoch 12/200
267/267 [=====] - 1s 3ms/step - loss: 2.1740 - auc_80:
0.5061 - val_loss: 2.3882 - val_auc_80: 0.5059
Epoch 13/200

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267/267 [=====] - 1s 3ms/step - loss: 2.4324 - auc_80:
0.5069 - val_loss: 1.3444 - val_auc_80: 0.4959
Epoch 14/200
267/267 [=====] - 1s 3ms/step - loss: 2.6351 - auc_80:
0.5044 - val_loss: 1.3260 - val_auc_80: 0.5033
Epoch 15/200
267/267 [=====] - 1s 3ms/step - loss: 2.2678 - auc_80:
0.5078 - val_loss: 3.2294 - val_auc_80: 0.5018
Epoch 16/200
267/267 [=====] - 1s 3ms/step - loss: 2.6193 - auc_80:
0.5064 - val_loss: 1.7355 - val_auc_80: 0.5006
Epoch 17/200
267/267 [=====] - 1s 3ms/step - loss: 2.3225 - auc_80:
0.5078 - val_loss: 3.9097 - val_auc_80: 0.5074
Epoch 18/200
267/267 [=====] - 1s 3ms/step - loss: 2.3027 - auc_80:
0.5094 - val_loss: 3.1813 - val_auc_80: 0.5018
Epoch 19/200
267/267 [=====] - 1s 3ms/step - loss: 2.1366 - auc_80:
0.5065 - val_loss: 4.3690 - val_auc_80: 0.5113
Epoch 20/200
267/267 [=====] - 1s 3ms/step - loss: 2.6228 - auc_80:
0.5085 - val_loss: 2.1474 - val_auc_80: 0.5079
Epoch 21/200
267/267 [=====] - 1s 3ms/step - loss: 2.7182 - auc_80:
0.5061 - val_loss: 2.4465 - val_auc_80: 0.5108
Epoch 22/200
267/267 [=====] - 1s 3ms/step - loss: 2.3533 - auc_80:
0.5046 - val_loss: 1.4602 - val_auc_80: 0.5046
Epoch 23/200
267/267 [=====] - 1s 3ms/step - loss: 2.1873 - auc_80:
0.5074 - val_loss: 1.3819 - val_auc_80: 0.5026
Epoch 24/200
267/267 [=====] - 1s 3ms/step - loss: 2.0839 - auc_80:
0.5036 - val_loss: 3.0285 - val_auc_80: 0.5069
Epoch 25/200
267/267 [=====] - 1s 3ms/step - loss: 2.4786 - auc_80:
0.5049 - val_loss: 2.9716 - val_auc_80: 0.4995
Epoch 26/200
267/267 [=====] - 1s 3ms/step - loss: 2.4591 - auc_80:
0.5055 - val_loss: 1.7103 - val_auc_80: 0.4858
Epoch 27/200
267/267 [=====] - 1s 3ms/step - loss: 2.3041 - auc_80:
0.5067 - val_loss: 3.8241 - val_auc_80: 0.5111
Epoch 28/200
267/267 [=====] - 1s 3ms/step - loss: 2.8608 - auc_80:
0.5056 - val_loss: 2.8024 - val_auc_80: 0.5063
Epoch 29/200

267/267 [=====] - 1s 3ms/step - loss: 2.6094 - auc_80:
0.5064 - val_loss: 1.6651 - val_auc_80: 0.5054
Epoch 30/200
267/267 [=====] - 1s 3ms/step - loss: 2.7173 - auc_80:
0.5036 - val_loss: 2.7756 - val_auc_80: 0.5002
Epoch 31/200
267/267 [=====] - 1s 3ms/step - loss: 2.4920 - auc_80:
0.5088 - val_loss: 2.6637 - val_auc_80: 0.5075
Epoch 32/200
267/267 [=====] - 1s 3ms/step - loss: 1.8821 - auc_80:
0.5076 - val_loss: 2.0980 - val_auc_80: 0.5061
Epoch 33/200
267/267 [=====] - 1s 3ms/step - loss: 2.2400 - auc_80:
0.5036 - val_loss: 2.6292 - val_auc_80: 0.5033
Epoch 34/200
267/267 [=====] - 1s 3ms/step - loss: 2.4447 - auc_80:
0.5085 - val_loss: 4.7499 - val_auc_80: 0.4989
Epoch 35/200
267/267 [=====] - 1s 3ms/step - loss: 2.3758 - auc_80:
0.5056 - val_loss: 1.7156 - val_auc_80: 0.5110
Epoch 36/200
267/267 [=====] - 1s 3ms/step - loss: 2.2627 - auc_80:
0.5091 - val_loss: 3.2792 - val_auc_80: 0.4982
Epoch 37/200
267/267 [=====] - 1s 3ms/step - loss: 2.5229 - auc_80:
0.5043 - val_loss: 2.7078 - val_auc_80: 0.5092
Epoch 38/200
267/267 [=====] - 1s 3ms/step - loss: 2.3719 - auc_80:
0.5099 - val_loss: 2.3926 - val_auc_80: 0.5028
Epoch 39/200
267/267 [=====] - 1s 3ms/step - loss: 2.1698 - auc_80:
0.5031 - val_loss: 1.4220 - val_auc_80: 0.4980
Epoch 40/200
267/267 [=====] - 1s 3ms/step - loss: 2.2430 - auc_80:
0.5068 - val_loss: 2.0616 - val_auc_80: 0.5121
Epoch 41/200
267/267 [=====] - 1s 3ms/step - loss: 2.0093 - auc_80:
0.5068 - val_loss: 1.5388 - val_auc_80: 0.4967
Epoch 42/200
267/267 [=====] - 1s 3ms/step - loss: 2.3019 - auc_80:
0.5080 - val_loss: 2.5828 - val_auc_80: 0.4902
Epoch 43/200
267/267 [=====] - 1s 3ms/step - loss: 2.2822 - auc_80:
0.5096 - val_loss: 3.8594 - val_auc_80: 0.5099
Epoch 44/200
267/267 [=====] - 1s 3ms/step - loss: 2.3085 - auc_80:
0.5070 - val_loss: 1.2424 - val_auc_80: 0.5045
Epoch 45/200

267/267 [=====] - 1s 3ms/step - loss: 2.1390 - auc_80:
0.5071 - val_loss: 2.0666 - val_auc_80: 0.5133
Epoch 46/200
267/267 [=====] - 1s 3ms/step - loss: 2.2928 - auc_80:
0.5083 - val_loss: 2.5091 - val_auc_80: 0.4963
Epoch 47/200
267/267 [=====] - 1s 3ms/step - loss: 1.9554 - auc_80:
0.5051 - val_loss: 3.2607 - val_auc_80: 0.5131
Epoch 48/200
267/267 [=====] - 1s 3ms/step - loss: 2.5162 - auc_80:
0.5073 - val_loss: 2.1017 - val_auc_80: 0.5123
Epoch 49/200
267/267 [=====] - 1s 3ms/step - loss: 2.5546 - auc_80:
0.5081 - val_loss: 3.0888 - val_auc_80: 0.4989
Epoch 50/200
267/267 [=====] - 1s 3ms/step - loss: 2.3982 - auc_80:
0.5088 - val_loss: 2.3014 - val_auc_80: 0.5002
Epoch 51/200
267/267 [=====] - 1s 3ms/step - loss: 2.3702 - auc_80:
0.5093 - val_loss: 1.4527 - val_auc_80: 0.5181
Epoch 52/200
267/267 [=====] - 1s 3ms/step - loss: 1.8887 - auc_80:
0.5076 - val_loss: 3.6689 - val_auc_80: 0.5090
Epoch 53/200
267/267 [=====] - 1s 3ms/step - loss: 2.1534 - auc_80:
0.5040 - val_loss: 2.9795 - val_auc_80: 0.5089
Epoch 54/200
267/267 [=====] - 1s 3ms/step - loss: 2.3633 - auc_80:
0.5058 - val_loss: 4.3404 - val_auc_80: 0.5157
Epoch 55/200
267/267 [=====] - 1s 3ms/step - loss: 2.3189 - auc_80:
0.5062 - val_loss: 2.2543 - val_auc_80: 0.4918
Epoch 56/200
267/267 [=====] - 1s 3ms/step - loss: 2.4033 - auc_80:
0.5060 - val_loss: 1.4774 - val_auc_80: 0.5029
Epoch 57/200
267/267 [=====] - 1s 3ms/step - loss: 2.4112 - auc_80:
0.5042 - val_loss: 2.3429 - val_auc_80: 0.5025
Epoch 58/200
267/267 [=====] - 1s 3ms/step - loss: 2.2854 - auc_80:
0.5040 - val_loss: 3.1354 - val_auc_80: 0.5075
Epoch 59/200
267/267 [=====] - 1s 3ms/step - loss: 2.4387 - auc_80:
0.5092 - val_loss: 2.5601 - val_auc_80: 0.5038
Epoch 60/200
267/267 [=====] - 1s 3ms/step - loss: 2.2905 - auc_80:
0.5097 - val_loss: 3.1892 - val_auc_80: 0.5133
Epoch 61/200

267/267 [=====] - 1s 3ms/step - loss: 2.0835 - auc_80:
0.5105 - val_loss: 1.8304 - val_auc_80: 0.5013
Epoch 62/200
267/267 [=====] - 1s 3ms/step - loss: 2.0521 - auc_80:
0.5110 - val_loss: 1.5307 - val_auc_80: 0.4947
Epoch 63/200
267/267 [=====] - 1s 3ms/step - loss: 2.3319 - auc_80:
0.5070 - val_loss: 1.9185 - val_auc_80: 0.5052
Epoch 64/200
267/267 [=====] - 1s 3ms/step - loss: 2.1693 - auc_80:
0.5040 - val_loss: 2.8375 - val_auc_80: 0.5129
Epoch 65/200
267/267 [=====] - 1s 3ms/step - loss: 2.5608 - auc_80:
0.5073 - val_loss: 2.8425 - val_auc_80: 0.4959
Epoch 66/200
267/267 [=====] - 1s 3ms/step - loss: 2.1232 - auc_80:
0.5095 - val_loss: 2.0642 - val_auc_80: 0.5136
Epoch 67/200
267/267 [=====] - 1s 3ms/step - loss: 2.1894 - auc_80:
0.5039 - val_loss: 2.3289 - val_auc_80: 0.5071
Epoch 68/200
267/267 [=====] - 1s 3ms/step - loss: 1.8163 - auc_80:
0.5084 - val_loss: 2.1918 - val_auc_80: 0.5140
Epoch 69/200
267/267 [=====] - 1s 3ms/step - loss: 2.4488 - auc_80:
0.5090 - val_loss: 2.3487 - val_auc_80: 0.5152
Epoch 70/200
267/267 [=====] - 1s 3ms/step - loss: 2.3596 - auc_80:
0.5087 - val_loss: 1.9745 - val_auc_80: 0.4990
Epoch 71/200
267/267 [=====] - 1s 3ms/step - loss: 2.2562 - auc_80:
0.5099 - val_loss: 1.9665 - val_auc_80: 0.5028
Epoch 72/200
267/267 [=====] - 1s 3ms/step - loss: 2.2449 - auc_80:
0.5060 - val_loss: 1.4681 - val_auc_80: 0.4976
Epoch 73/200
267/267 [=====] - 1s 3ms/step - loss: 2.5000 - auc_80:
0.5062 - val_loss: 2.9684 - val_auc_80: 0.4952
Epoch 74/200
267/267 [=====] - 1s 3ms/step - loss: 1.9106 - auc_80:
0.5076 - val_loss: 1.8576 - val_auc_80: 0.5017
Epoch 75/200
267/267 [=====] - 1s 3ms/step - loss: 2.2231 - auc_80:
0.5085 - val_loss: 2.3273 - val_auc_80: 0.5065
Epoch 76/200
267/267 [=====] - 1s 4ms/step - loss: 2.2541 - auc_80:
0.5095 - val_loss: 1.5044 - val_auc_80: 0.4972
Epoch 77/200

267/267 [=====] - 1s 4ms/step - loss: 2.3744 - auc_80:
0.5082 - val_loss: 1.7066 - val_auc_80: 0.5032
Epoch 78/200
267/267 [=====] - 1s 4ms/step - loss: 2.4823 - auc_80:
0.5105 - val_loss: 1.8948 - val_auc_80: 0.5112
Epoch 79/200
267/267 [=====] - 1s 3ms/step - loss: 2.4435 - auc_80:
0.5053 - val_loss: 1.8755 - val_auc_80: 0.5035
Epoch 80/200
267/267 [=====] - 1s 3ms/step - loss: 2.3229 - auc_80:
0.5101 - val_loss: 2.0732 - val_auc_80: 0.5037
Epoch 81/200
267/267 [=====] - 1s 3ms/step - loss: 2.1173 - auc_80:
0.5047 - val_loss: 2.2130 - val_auc_80: 0.4951
Epoch 82/200
267/267 [=====] - 1s 3ms/step - loss: 2.1701 - auc_80:
0.5094 - val_loss: 1.1927 - val_auc_80: 0.5116
Epoch 83/200
267/267 [=====] - 1s 3ms/step - loss: 2.0373 - auc_80:
0.5079 - val_loss: 2.1608 - val_auc_80: 0.5000
Epoch 84/200
267/267 [=====] - 1s 3ms/step - loss: 2.1671 - auc_80:
0.5097 - val_loss: 2.1253 - val_auc_80: 0.5169
Epoch 85/200
267/267 [=====] - 1s 3ms/step - loss: 1.8460 - auc_80:
0.5092 - val_loss: 1.1879 - val_auc_80: 0.5034
Epoch 86/200
267/267 [=====] - 1s 3ms/step - loss: 2.8633 - auc_80:
0.5065 - val_loss: 3.8241 - val_auc_80: 0.5038
Epoch 87/200
267/267 [=====] - 1s 3ms/step - loss: 2.1817 - auc_80:
0.5085 - val_loss: 2.7905 - val_auc_80: 0.5082
Epoch 88/200
267/267 [=====] - 1s 3ms/step - loss: 2.4332 - auc_80:
0.5121 - val_loss: 1.6835 - val_auc_80: 0.5060
Epoch 89/200
267/267 [=====] - 1s 3ms/step - loss: 2.4959 - auc_80:
0.5061 - val_loss: 1.9233 - val_auc_80: 0.5024
Epoch 90/200
267/267 [=====] - 1s 3ms/step - loss: 2.3182 - auc_80:
0.5073 - val_loss: 2.0428 - val_auc_80: 0.5113
Epoch 91/200
267/267 [=====] - 1s 3ms/step - loss: 2.7485 - auc_80:
0.5132 - val_loss: 1.9746 - val_auc_80: 0.5024
Epoch 92/200
267/267 [=====] - 1s 3ms/step - loss: 1.9084 - auc_80:
0.5067 - val_loss: 1.4628 - val_auc_80: 0.5070
Epoch 93/200

267/267 [=====] - 1s 3ms/step - loss: 2.6388 - auc_80:
0.5070 - val_loss: 2.6896 - val_auc_80: 0.5042
Epoch 94/200
267/267 [=====] - 1s 3ms/step - loss: 2.4091 - auc_80:
0.5087 - val_loss: 2.4643 - val_auc_80: 0.4971
Epoch 95/200
267/267 [=====] - 1s 3ms/step - loss: 2.1653 - auc_80:
0.5064 - val_loss: 2.3380 - val_auc_80: 0.5121
Epoch 96/200
267/267 [=====] - 1s 3ms/step - loss: 2.8688 - auc_80:
0.5067 - val_loss: 4.0393 - val_auc_80: 0.5009
Epoch 97/200
267/267 [=====] - 1s 3ms/step - loss: 2.4104 - auc_80:
0.5058 - val_loss: 2.8872 - val_auc_80: 0.4949
Epoch 98/200
267/267 [=====] - 1s 3ms/step - loss: 1.8864 - auc_80:
0.5056 - val_loss: 1.4939 - val_auc_80: 0.4886
Epoch 99/200
267/267 [=====] - 1s 3ms/step - loss: 1.9447 - auc_80:
0.5085 - val_loss: 1.3920 - val_auc_80: 0.5122
Epoch 100/200
267/267 [=====] - 1s 3ms/step - loss: 2.0755 - auc_80:
0.5079 - val_loss: 2.3352 - val_auc_80: 0.5103
Epoch 101/200
267/267 [=====] - 1s 3ms/step - loss: 2.1190 - auc_80:
0.5058 - val_loss: 2.7214 - val_auc_80: 0.5103
Epoch 102/200
267/267 [=====] - 1s 3ms/step - loss: 2.4643 - auc_80:
0.5078 - val_loss: 3.5506 - val_auc_80: 0.5051
Epoch 103/200
267/267 [=====] - 1s 3ms/step - loss: 2.6481 - auc_80:
0.5094 - val_loss: 3.9925 - val_auc_80: 0.5039
Epoch 104/200
267/267 [=====] - 1s 3ms/step - loss: 2.3321 - auc_80:
0.5069 - val_loss: 2.3578 - val_auc_80: 0.5066
Epoch 105/200
267/267 [=====] - 1s 3ms/step - loss: 2.3473 - auc_80:
0.5072 - val_loss: 2.6793 - val_auc_80: 0.5167
Epoch 106/200
267/267 [=====] - 1s 3ms/step - loss: 2.2571 - auc_80:
0.5073 - val_loss: 3.0018 - val_auc_80: 0.5151
Epoch 107/200
267/267 [=====] - 1s 3ms/step - loss: 2.4939 - auc_80:
0.5038 - val_loss: 2.0835 - val_auc_80: 0.5100
Epoch 108/200
267/267 [=====] - 1s 3ms/step - loss: 2.0078 - auc_80:
0.5093 - val_loss: 1.5488 - val_auc_80: 0.5109
Epoch 109/200

267/267 [=====] - 1s 3ms/step - loss: 2.7257 - auc_80:
0.5058 - val_loss: 1.6696 - val_auc_80: 0.5104
Epoch 110/200
267/267 [=====] - 1s 3ms/step - loss: 2.2695 - auc_80:
0.5052 - val_loss: 1.6445 - val_auc_80: 0.5139
Epoch 111/200
267/267 [=====] - 1s 3ms/step - loss: 2.2977 - auc_80:
0.5064 - val_loss: 2.1416 - val_auc_80: 0.5113
Epoch 112/200
267/267 [=====] - 1s 3ms/step - loss: 2.1277 - auc_80:
0.5060 - val_loss: 1.4593 - val_auc_80: 0.4983
Epoch 113/200
267/267 [=====] - 1s 3ms/step - loss: 2.2753 - auc_80:
0.5086 - val_loss: 1.7006 - val_auc_80: 0.5139
Epoch 114/200
267/267 [=====] - 1s 3ms/step - loss: 2.0341 - auc_80:
0.5080 - val_loss: 2.0739 - val_auc_80: 0.5085
Epoch 115/200
267/267 [=====] - 1s 3ms/step - loss: 2.2718 - auc_80:
0.5038 - val_loss: 1.6699 - val_auc_80: 0.4985
Epoch 116/200
267/267 [=====] - 1s 3ms/step - loss: 2.2529 - auc_80:
0.5075 - val_loss: 3.1189 - val_auc_80: 0.5027
Epoch 117/200
267/267 [=====] - 1s 3ms/step - loss: 2.6529 - auc_80:
0.5075 - val_loss: 1.9761 - val_auc_80: 0.5050
Epoch 118/200
267/267 [=====] - 1s 3ms/step - loss: 2.8206 - auc_80:
0.5075 - val_loss: 2.2161 - val_auc_80: 0.5051
Epoch 119/200
267/267 [=====] - 1s 3ms/step - loss: 2.4800 - auc_80:
0.5084 - val_loss: 1.5075 - val_auc_80: 0.5055
Epoch 120/200
267/267 [=====] - 1s 3ms/step - loss: 2.5694 - auc_80:
0.5095 - val_loss: 1.8788 - val_auc_80: 0.4998
Epoch 121/200
267/267 [=====] - 1s 3ms/step - loss: 2.4781 - auc_80:
0.5082 - val_loss: 2.4786 - val_auc_80: 0.5103
Epoch 122/200
267/267 [=====] - 1s 3ms/step - loss: 2.0734 - auc_80:
0.5076 - val_loss: 2.8035 - val_auc_80: 0.5167
Epoch 123/200
267/267 [=====] - 1s 3ms/step - loss: 2.2342 - auc_80:
0.5106 - val_loss: 1.0748 - val_auc_80: 0.5105
Epoch 124/200
267/267 [=====] - 1s 3ms/step - loss: 2.1646 - auc_80:
0.5094 - val_loss: 2.6429 - val_auc_80: 0.5056
Epoch 125/200

267/267 [=====] - 1s 3ms/step - loss: 2.3955 - auc_80:
0.5088 - val_loss: 2.3171 - val_auc_80: 0.5127
Epoch 126/200
267/267 [=====] - 1s 3ms/step - loss: 1.8563 - auc_80:
0.5115 - val_loss: 2.2993 - val_auc_80: 0.5121
Epoch 127/200
267/267 [=====] - 1s 3ms/step - loss: 2.2182 - auc_80:
0.5067 - val_loss: 2.0514 - val_auc_80: 0.5013
Epoch 128/200
267/267 [=====] - 1s 3ms/step - loss: 2.1807 - auc_80:
0.5094 - val_loss: 2.2352 - val_auc_80: 0.5182
Epoch 129/200
267/267 [=====] - 1s 3ms/step - loss: 2.2987 - auc_80:
0.5075 - val_loss: 3.2875 - val_auc_80: 0.5054
Epoch 130/200
267/267 [=====] - 1s 3ms/step - loss: 2.1738 - auc_80:
0.5080 - val_loss: 3.2912 - val_auc_80: 0.5112
Epoch 131/200
267/267 [=====] - 1s 3ms/step - loss: 2.0617 - auc_80:
0.5092 - val_loss: 1.6098 - val_auc_80: 0.4986
Epoch 132/200
267/267 [=====] - 1s 3ms/step - loss: 2.2419 - auc_80:
0.5072 - val_loss: 2.1422 - val_auc_80: 0.5127
Epoch 133/200
267/267 [=====] - 1s 3ms/step - loss: 2.4524 - auc_80:
0.5126 - val_loss: 2.5035 - val_auc_80: 0.5078
Epoch 134/200
267/267 [=====] - 1s 3ms/step - loss: 2.4876 - auc_80:
0.5072 - val_loss: 2.4727 - val_auc_80: 0.5141
Epoch 135/200
267/267 [=====] - 1s 3ms/step - loss: 2.5708 - auc_80:
0.5066 - val_loss: 1.9098 - val_auc_80: 0.5153
Epoch 136/200
267/267 [=====] - 1s 3ms/step - loss: 2.3313 - auc_80:
0.5065 - val_loss: 1.6489 - val_auc_80: 0.5073
Epoch 137/200
267/267 [=====] - 1s 3ms/step - loss: 2.3798 - auc_80:
0.5038 - val_loss: 3.1301 - val_auc_80: 0.5074
Epoch 138/200
267/267 [=====] - 1s 3ms/step - loss: 1.9176 - auc_80:
0.5052 - val_loss: 2.7600 - val_auc_80: 0.5041
Epoch 139/200
267/267 [=====] - 1s 3ms/step - loss: 2.4391 - auc_80:
0.5096 - val_loss: 2.4998 - val_auc_80: 0.5126
Epoch 140/200
267/267 [=====] - 1s 3ms/step - loss: 2.2164 - auc_80:
0.5076 - val_loss: 2.7558 - val_auc_80: 0.5070
Epoch 141/200

267/267 [=====] - 1s 3ms/step - loss: 2.5638 - auc_80:
0.5091 - val_loss: 1.2673 - val_auc_80: 0.5100
Epoch 142/200
267/267 [=====] - 1s 3ms/step - loss: 2.5546 - auc_80:
0.5057 - val_loss: 1.2200 - val_auc_80: 0.5042
Epoch 143/200
267/267 [=====] - 1s 3ms/step - loss: 2.2349 - auc_80:
0.5069 - val_loss: 2.0976 - val_auc_80: 0.5177
Epoch 144/200
267/267 [=====] - 1s 3ms/step - loss: 1.9220 - auc_80:
0.5099 - val_loss: 2.7257 - val_auc_80: 0.5040
Epoch 145/200
267/267 [=====] - 1s 3ms/step - loss: 2.5764 - auc_80:
0.5084 - val_loss: 1.3880 - val_auc_80: 0.5109
Epoch 146/200
267/267 [=====] - 1s 3ms/step - loss: 2.1039 - auc_80:
0.5083 - val_loss: 2.9954 - val_auc_80: 0.5020
Epoch 147/200
267/267 [=====] - 1s 3ms/step - loss: 2.0424 - auc_80:
0.5070 - val_loss: 2.2291 - val_auc_80: 0.4934
Epoch 148/200
267/267 [=====] - 1s 3ms/step - loss: 2.1613 - auc_80:
0.5073 - val_loss: 3.7006 - val_auc_80: 0.5048
Epoch 149/200
267/267 [=====] - 1s 3ms/step - loss: 2.3602 - auc_80:
0.5052 - val_loss: 2.2820 - val_auc_80: 0.4912
Epoch 150/200
267/267 [=====] - 1s 3ms/step - loss: 2.2414 - auc_80:
0.5084 - val_loss: 2.3190 - val_auc_80: 0.5105
Epoch 151/200
267/267 [=====] - 1s 3ms/step - loss: 2.5397 - auc_80:
0.5092 - val_loss: 2.1126 - val_auc_80: 0.4979
Epoch 152/200
267/267 [=====] - 1s 3ms/step - loss: 2.1182 - auc_80:
0.5101 - val_loss: 2.2162 - val_auc_80: 0.5002
Epoch 153/200
267/267 [=====] - 1s 3ms/step - loss: 2.2496 - auc_80:
0.5078 - val_loss: 1.3746 - val_auc_80: 0.5054
Epoch 154/200
267/267 [=====] - 1s 3ms/step - loss: 2.2635 - auc_80:
0.5068 - val_loss: 1.8646 - val_auc_80: 0.5089
Epoch 155/200
267/267 [=====] - 1s 3ms/step - loss: 2.0809 - auc_80:
0.5080 - val_loss: 1.5381 - val_auc_80: 0.5058
Epoch 156/200
267/267 [=====] - 1s 3ms/step - loss: 2.2152 - auc_80:
0.5082 - val_loss: 1.8339 - val_auc_80: 0.5059
Epoch 157/200

267/267 [=====] - 1s 3ms/step - loss: 2.1524 - auc_80:
0.5098 - val_loss: 1.7134 - val_auc_80: 0.5086
Epoch 158/200
267/267 [=====] - 1s 3ms/step - loss: 2.4279 - auc_80:
0.5083 - val_loss: 2.8658 - val_auc_80: 0.4939
Epoch 159/200
267/267 [=====] - 1s 3ms/step - loss: 2.4949 - auc_80:
0.5067 - val_loss: 2.0801 - val_auc_80: 0.5000
Epoch 160/200
267/267 [=====] - 1s 3ms/step - loss: 2.1550 - auc_80:
0.5080 - val_loss: 1.6338 - val_auc_80: 0.5006
Epoch 161/200
267/267 [=====] - 1s 3ms/step - loss: 2.4720 - auc_80:
0.5069 - val_loss: 1.6700 - val_auc_80: 0.5001
Epoch 162/200
267/267 [=====] - 1s 3ms/step - loss: 2.3407 - auc_80:
0.5094 - val_loss: 2.5635 - val_auc_80: 0.4978
Epoch 163/200
267/267 [=====] - 1s 3ms/step - loss: 2.5620 - auc_80:
0.5090 - val_loss: 1.4793 - val_auc_80: 0.4978
Epoch 164/200
267/267 [=====] - 1s 3ms/step - loss: 2.5088 - auc_80:
0.5048 - val_loss: 2.4326 - val_auc_80: 0.4934
Epoch 165/200
267/267 [=====] - 1s 3ms/step - loss: 2.5687 - auc_80:
0.5067 - val_loss: 2.7060 - val_auc_80: 0.5168
Epoch 166/200
267/267 [=====] - 1s 3ms/step - loss: 2.2236 - auc_80:
0.5117 - val_loss: 1.6379 - val_auc_80: 0.5034
Epoch 167/200
267/267 [=====] - 1s 3ms/step - loss: 2.1324 - auc_80:
0.5089 - val_loss: 1.9777 - val_auc_80: 0.5204
Epoch 168/200
267/267 [=====] - 1s 3ms/step - loss: 2.3597 - auc_80:
0.5101 - val_loss: 1.5884 - val_auc_80: 0.4929
Epoch 169/200
267/267 [=====] - 1s 3ms/step - loss: 2.6120 - auc_80:
0.5076 - val_loss: 1.9231 - val_auc_80: 0.5076
Epoch 170/200
267/267 [=====] - 1s 3ms/step - loss: 2.3649 - auc_80:
0.5090 - val_loss: 1.3893 - val_auc_80: 0.5121
Epoch 171/200
267/267 [=====] - 1s 3ms/step - loss: 2.2939 - auc_80:
0.5082 - val_loss: 1.2798 - val_auc_80: 0.5051
Epoch 172/200
267/267 [=====] - 1s 3ms/step - loss: 2.1305 - auc_80:
0.5068 - val_loss: 1.5529 - val_auc_80: 0.5036
Epoch 173/200

267/267 [=====] - 1s 3ms/step - loss: 1.9400 - auc_80:
0.5063 - val_loss: 5.7009 - val_auc_80: 0.5089
Epoch 174/200
267/267 [=====] - 1s 3ms/step - loss: 2.7282 - auc_80:
0.5056 - val_loss: 5.0767 - val_auc_80: 0.5081
Epoch 175/200
267/267 [=====] - 1s 3ms/step - loss: 2.1657 - auc_80:
0.5082 - val_loss: 1.9845 - val_auc_80: 0.5112
Epoch 176/200
267/267 [=====] - 1s 3ms/step - loss: 2.1023 - auc_80:
0.5121 - val_loss: 1.6453 - val_auc_80: 0.4997
Epoch 177/200
267/267 [=====] - 1s 3ms/step - loss: 1.9315 - auc_80:
0.5066 - val_loss: 2.1913 - val_auc_80: 0.5144
Epoch 178/200
267/267 [=====] - 1s 3ms/step - loss: 2.4683 - auc_80:
0.5111 - val_loss: 2.3365 - val_auc_80: 0.5095
Epoch 179/200
267/267 [=====] - 1s 3ms/step - loss: 2.5556 - auc_80:
0.5071 - val_loss: 2.4630 - val_auc_80: 0.5101
Epoch 180/200
267/267 [=====] - 1s 3ms/step - loss: 2.5622 - auc_80:
0.5076 - val_loss: 1.5947 - val_auc_80: 0.5050
Epoch 181/200
267/267 [=====] - 1s 3ms/step - loss: 2.3416 - auc_80:
0.5076 - val_loss: 1.4410 - val_auc_80: 0.4938
Epoch 182/200
267/267 [=====] - 1s 3ms/step - loss: 2.1303 - auc_80:
0.5104 - val_loss: 1.3371 - val_auc_80: 0.5122
Epoch 183/200
267/267 [=====] - 1s 3ms/step - loss: 2.0727 - auc_80:
0.5076 - val_loss: 1.7266 - val_auc_80: 0.5063
Epoch 184/200
267/267 [=====] - 1s 3ms/step - loss: 2.1379 - auc_80:
0.5112 - val_loss: 2.6725 - val_auc_80: 0.5105
Epoch 185/200
267/267 [=====] - 1s 3ms/step - loss: 2.1339 - auc_80:
0.5082 - val_loss: 2.0481 - val_auc_80: 0.4943
Epoch 186/200
267/267 [=====] - 1s 3ms/step - loss: 2.2665 - auc_80:
0.5107 - val_loss: 2.5080 - val_auc_80: 0.5074
Epoch 187/200
267/267 [=====] - 1s 3ms/step - loss: 2.6192 - auc_80:
0.5105 - val_loss: 4.3560 - val_auc_80: 0.5103
Epoch 188/200
267/267 [=====] - 1s 3ms/step - loss: 2.4003 - auc_80:
0.5122 - val_loss: 1.3761 - val_auc_80: 0.5065
Epoch 189/200

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267/267 [=====] - 1s 3ms/step - loss: 2.1893 - auc_80:
0.5099 - val_loss: 3.7693 - val_auc_80: 0.5098
Epoch 190/200
267/267 [=====] - 1s 3ms/step - loss: 2.1263 - auc_80:
0.5101 - val_loss: 2.0215 - val_auc_80: 0.4989
Epoch 191/200
267/267 [=====] - 1s 3ms/step - loss: 2.3609 - auc_80:
0.5049 - val_loss: 3.4408 - val_auc_80: 0.5052
Epoch 192/200
267/267 [=====] - 1s 3ms/step - loss: 2.7665 - auc_80:
0.5080 - val_loss: 3.2407 - val_auc_80: 0.5152
Epoch 193/200
267/267 [=====] - 1s 3ms/step - loss: 2.3436 - auc_80:
0.5086 - val_loss: 2.3470 - val_auc_80: 0.5151
Epoch 194/200
267/267 [=====] - 1s 3ms/step - loss: 2.2208 - auc_80:
0.5086 - val_loss: 2.2068 - val_auc_80: 0.4976
Epoch 195/200
267/267 [=====] - 1s 3ms/step - loss: 2.1145 - auc_80:
0.5057 - val_loss: 1.9941 - val_auc_80: 0.5071
Epoch 196/200
267/267 [=====] - 1s 3ms/step - loss: 2.3109 - auc_80:
0.5094 - val_loss: 3.1521 - val_auc_80: 0.5097
Epoch 197/200
267/267 [=====] - 1s 3ms/step - loss: 2.4465 - auc_80:
0.5059 - val_loss: 3.5888 - val_auc_80: 0.5009
Epoch 198/200
267/267 [=====] - 1s 3ms/step - loss: 2.4823 - auc_80:
0.5096 - val_loss: 2.5564 - val_auc_80: 0.5033
Epoch 199/200
267/267 [=====] - 1s 3ms/step - loss: 2.1308 - auc_80:
0.5092 - val_loss: 2.1496 - val_auc_80: 0.5081
Epoch 200/200
267/267 [=====] - 1s 3ms/step - loss: 2.2355 - auc_80:
0.5109 - val_loss: 1.1993 - val_auc_80: 0.4924
625/625 [=====] - 0s 563us/step
[CV] ... epochs=200, learning_rate=0.01, score=0.503, total= 2.6min
[CV] epochs=200, learning_rate=0.1 ...
Epoch 1/200
267/267 [=====] - 1s 4ms/step - loss: 22.0833 - auc_81:
0.5013 - val_loss: 32.5242 - val_auc_81: 0.4856
Epoch 2/200
267/267 [=====] - 1s 3ms/step - loss: 19.6579 - auc_81:
0.5035 - val_loss: 18.6462 - val_auc_81: 0.5025
Epoch 3/200
267/267 [=====] - 1s 3ms/step - loss: 17.1028 - auc_81:
0.5030 - val_loss: 20.2782 - val_auc_81: 0.5109
Epoch 4/200

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267/267 [=====] - 1s 3ms/step - loss: 22.8540 - auc_81:
0.5028 - val_loss: 30.4341 - val_auc_81: 0.5022
Epoch 5/200
267/267 [=====] - 1s 3ms/step - loss: 18.9833 - auc_81:
0.5043 - val_loss: 14.5260 - val_auc_81: 0.5054
Epoch 6/200
267/267 [=====] - 1s 3ms/step - loss: 22.4694 - auc_81:
0.5020 - val_loss: 7.3128 - val_auc_81: 0.4917
Epoch 7/200
267/267 [=====] - 1s 3ms/step - loss: 18.7476 - auc_81:
0.4986 - val_loss: 21.7507 - val_auc_81: 0.4976
Epoch 8/200
267/267 [=====] - 1s 3ms/step - loss: 16.2009 - auc_81:
0.5021 - val_loss: 10.9392 - val_auc_81: 0.4903
Epoch 9/200
267/267 [=====] - 1s 3ms/step - loss: 19.5469 - auc_81:
0.5056 - val_loss: 15.0035 - val_auc_81: 0.5045
Epoch 10/200
267/267 [=====] - 1s 3ms/step - loss: 18.0300 - auc_81:
0.4992 - val_loss: 21.2214 - val_auc_81: 0.5043
Epoch 11/200
267/267 [=====] - 1s 3ms/step - loss: 26.3073 - auc_81:
0.5030 - val_loss: 17.0253 - val_auc_81: 0.4945
Epoch 12/200
267/267 [=====] - 1s 3ms/step - loss: 20.5518 - auc_81:
0.4991 - val_loss: 27.7673 - val_auc_81: 0.5082
Epoch 13/200
267/267 [=====] - 1s 3ms/step - loss: 20.9312 - auc_81:
0.5031 - val_loss: 15.5677 - val_auc_81: 0.5026
Epoch 14/200
267/267 [=====] - 1s 3ms/step - loss: 18.4952 - auc_81:
0.5036 - val_loss: 10.2945 - val_auc_81: 0.5025
Epoch 15/200
267/267 [=====] - 1s 3ms/step - loss: 22.4962 - auc_81:
0.5008 - val_loss: 10.9066 - val_auc_81: 0.5003
Epoch 16/200
267/267 [=====] - 1s 3ms/step - loss: 18.2225 - auc_81:
0.5009 - val_loss: 32.7987 - val_auc_81: 0.5123
Epoch 17/200
267/267 [=====] - 1s 3ms/step - loss: 19.9466 - auc_81:
0.5007 - val_loss: 8.8087 - val_auc_81: 0.5124
Epoch 18/200
267/267 [=====] - 1s 3ms/step - loss: 17.8681 - auc_81:
0.5057 - val_loss: 18.0964 - val_auc_81: 0.4913
Epoch 19/200
267/267 [=====] - 1s 3ms/step - loss: 20.0815 - auc_81:
0.5012 - val_loss: 22.3435 - val_auc_81: 0.5002
Epoch 20/200

267/267 [=====] - 1s 3ms/step - loss: 20.2358 - auc_81:
 0.5025 - val_loss: 20.5343 - val_auc_81: 0.5080
 Epoch 21/200
 267/267 [=====] - 1s 3ms/step - loss: 22.6796 - auc_81:
 0.5035 - val_loss: 11.4179 - val_auc_81: 0.5041
 Epoch 22/200
 267/267 [=====] - 1s 3ms/step - loss: 16.9147 - auc_81:
 0.4995 - val_loss: 11.0795 - val_auc_81: 0.5154
 Epoch 23/200
 267/267 [=====] - 1s 3ms/step - loss: 19.7519 - auc_81:
 0.4986 - val_loss: 6.4289 - val_auc_81: 0.5013
 Epoch 24/200
 267/267 [=====] - 1s 3ms/step - loss: 24.1826 - auc_81:
 0.5040 - val_loss: 9.1411 - val_auc_81: 0.5048
 Epoch 25/200
 267/267 [=====] - 1s 3ms/step - loss: 19.5875 - auc_81:
 0.5016 - val_loss: 12.0922 - val_auc_81: 0.4930
 Epoch 26/200
 267/267 [=====] - 1s 3ms/step - loss: 18.7029 - auc_81:
 0.4992 - val_loss: 21.5047 - val_auc_81: 0.5119
 Epoch 27/200
 267/267 [=====] - 1s 3ms/step - loss: 20.4446 - auc_81:
 0.5044 - val_loss: 22.5609 - val_auc_81: 0.5101
 Epoch 28/200
 267/267 [=====] - 1s 3ms/step - loss: 16.5845 - auc_81:
 0.5011 - val_loss: 15.5587 - val_auc_81: 0.5148
 Epoch 29/200
 267/267 [=====] - 1s 3ms/step - loss: 18.2730 - auc_81:
 0.5019 - val_loss: 17.1878 - val_auc_81: 0.5124
 Epoch 30/200
 267/267 [=====] - 1s 3ms/step - loss: 21.6258 - auc_81:
 0.5026 - val_loss: 20.6327 - val_auc_81: 0.4953
 Epoch 31/200
 267/267 [=====] - 1s 3ms/step - loss: 20.1197 - auc_81:
 0.4998 - val_loss: 33.7289 - val_auc_81: 0.5014
 Epoch 32/200
 267/267 [=====] - 1s 3ms/step - loss: 21.0387 - auc_81:
 0.5035 - val_loss: 11.3904 - val_auc_81: 0.5144
 Epoch 33/200
 267/267 [=====] - 1s 3ms/step - loss: 19.3795 - auc_81:
 0.5015 - val_loss: 25.3466 - val_auc_81: 0.4906
 Epoch 34/200
 267/267 [=====] - 1s 3ms/step - loss: 19.0339 - auc_81:
 0.5013 - val_loss: 14.1516 - val_auc_81: 0.5024
 Epoch 35/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9281 - auc_81:
 0.5039 - val_loss: 13.8860 - val_auc_81: 0.5009
 Epoch 36/200

267/267 [=====] - 1s 3ms/step - loss: 19.5707 - auc_81:
 0.5039 - val_loss: 20.8121 - val_auc_81: 0.4997
 Epoch 37/200
 267/267 [=====] - 1s 3ms/step - loss: 17.2586 - auc_81:
 0.5024 - val_loss: 35.5476 - val_auc_81: 0.5117
 Epoch 38/200
 267/267 [=====] - 1s 3ms/step - loss: 17.5589 - auc_81:
 0.5022 - val_loss: 6.1283 - val_auc_81: 0.4995
 Epoch 39/200
 267/267 [=====] - 1s 3ms/step - loss: 18.7356 - auc_81:
 0.5040 - val_loss: 16.6221 - val_auc_81: 0.4930
 Epoch 40/200
 267/267 [=====] - 1s 3ms/step - loss: 24.2832 - auc_81:
 0.5051 - val_loss: 27.1822 - val_auc_81: 0.5012
 Epoch 41/200
 267/267 [=====] - 1s 3ms/step - loss: 23.3696 - auc_81:
 0.5019 - val_loss: 17.7775 - val_auc_81: 0.4929
 Epoch 42/200
 267/267 [=====] - 1s 3ms/step - loss: 18.4823 - auc_81:
 0.5031 - val_loss: 9.0679 - val_auc_81: 0.4989
 Epoch 43/200
 267/267 [=====] - 1s 3ms/step - loss: 20.3650 - auc_81:
 0.5077 - val_loss: 26.4893 - val_auc_81: 0.5080
 Epoch 44/200
 267/267 [=====] - 1s 3ms/step - loss: 19.3553 - auc_81:
 0.5030 - val_loss: 14.8359 - val_auc_81: 0.5092
 Epoch 45/200
 267/267 [=====] - 1s 3ms/step - loss: 18.4076 - auc_81:
 0.5028 - val_loss: 30.0824 - val_auc_81: 0.5014
 Epoch 46/200
 267/267 [=====] - 1s 3ms/step - loss: 21.0672 - auc_81:
 0.5041 - val_loss: 20.3113 - val_auc_81: 0.4975
 Epoch 47/200
 267/267 [=====] - 1s 3ms/step - loss: 22.1014 - auc_81:
 0.5049 - val_loss: 11.4325 - val_auc_81: 0.4959
 Epoch 48/200
 267/267 [=====] - 1s 3ms/step - loss: 16.8996 - auc_81:
 0.4971 - val_loss: 33.6460 - val_auc_81: 0.4898
 Epoch 49/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9708 - auc_81:
 0.4998 - val_loss: 10.7485 - val_auc_81: 0.4973
 Epoch 50/200
 267/267 [=====] - 1s 3ms/step - loss: 19.3483 - auc_81:
 0.5054 - val_loss: 28.2989 - val_auc_81: 0.5028
 Epoch 51/200
 267/267 [=====] - 1s 3ms/step - loss: 22.6292 - auc_81:
 0.5034 - val_loss: 17.6008 - val_auc_81: 0.4984
 Epoch 52/200

267/267 [=====] - 1s 3ms/step - loss: 18.0341 - auc_81:
0.5070 - val_loss: 6.7511 - val_auc_81: 0.5039
Epoch 53/200
267/267 [=====] - 1s 3ms/step - loss: 23.6927 - auc_81:
0.5019 - val_loss: 22.9626 - val_auc_81: 0.5008
Epoch 54/200
267/267 [=====] - 1s 3ms/step - loss: 19.5560 - auc_81:
0.5024 - val_loss: 15.4611 - val_auc_81: 0.4941
Epoch 55/200
267/267 [=====] - 1s 3ms/step - loss: 19.6600 - auc_81:
0.5034 - val_loss: 9.7312 - val_auc_81: 0.4943
Epoch 56/200
267/267 [=====] - 1s 3ms/step - loss: 16.4423 - auc_81:
0.5013 - val_loss: 7.1956 - val_auc_81: 0.5024
Epoch 57/200
267/267 [=====] - 1s 3ms/step - loss: 23.4270 - auc_81:
0.5053 - val_loss: 19.9531 - val_auc_81: 0.5080
Epoch 58/200
267/267 [=====] - 1s 3ms/step - loss: 19.5942 - auc_81:
0.5036 - val_loss: 8.9874 - val_auc_81: 0.4984
Epoch 59/200
267/267 [=====] - 1s 3ms/step - loss: 16.5103 - auc_81:
0.5034 - val_loss: 8.5450 - val_auc_81: 0.4968
Epoch 60/200
267/267 [=====] - 1s 3ms/step - loss: 19.0520 - auc_81:
0.5042 - val_loss: 37.9321 - val_auc_81: 0.4987
Epoch 61/200
267/267 [=====] - 1s 3ms/step - loss: 21.0528 - auc_81:
0.5016 - val_loss: 31.5357 - val_auc_81: 0.5032
Epoch 62/200
267/267 [=====] - 1s 3ms/step - loss: 18.9487 - auc_81:
0.5065 - val_loss: 19.4956 - val_auc_81: 0.5169
Epoch 63/200
267/267 [=====] - 1s 3ms/step - loss: 18.1687 - auc_81:
0.5063 - val_loss: 21.7322 - val_auc_81: 0.5111
Epoch 64/200
267/267 [=====] - 1s 3ms/step - loss: 18.7327 - auc_81:
0.5031 - val_loss: 27.1251 - val_auc_81: 0.5042
Epoch 65/200
267/267 [=====] - 1s 3ms/step - loss: 17.5119 - auc_81:
0.5019 - val_loss: 29.3821 - val_auc_81: 0.5003
Epoch 66/200
267/267 [=====] - 1s 3ms/step - loss: 22.8217 - auc_81:
0.5012 - val_loss: 22.2020 - val_auc_81: 0.4981
Epoch 67/200
267/267 [=====] - 1s 3ms/step - loss: 21.2852 - auc_81:
0.5010 - val_loss: 13.3837 - val_auc_81: 0.5001
Epoch 68/200

267/267 [=====] - 1s 3ms/step - loss: 20.7008 - auc_81:
0.5034 - val_loss: 19.3569 - val_auc_81: 0.4993
Epoch 69/200
267/267 [=====] - 1s 3ms/step - loss: 21.4934 - auc_81:
0.4993 - val_loss: 21.8244 - val_auc_81: 0.4922
Epoch 70/200
267/267 [=====] - 1s 3ms/step - loss: 20.4652 - auc_81:
0.5025 - val_loss: 25.5893 - val_auc_81: 0.4930
Epoch 71/200
267/267 [=====] - 1s 3ms/step - loss: 20.8891 - auc_81:
0.5065 - val_loss: 21.7755 - val_auc_81: 0.5182
Epoch 72/200
267/267 [=====] - 1s 3ms/step - loss: 18.0857 - auc_81:
0.5053 - val_loss: 41.8184 - val_auc_81: 0.5000
Epoch 73/200
267/267 [=====] - 1s 3ms/step - loss: 21.7849 - auc_81:
0.5027 - val_loss: 9.4407 - val_auc_81: 0.4995
Epoch 74/200
267/267 [=====] - 1s 3ms/step - loss: 17.5310 - auc_81:
0.5026 - val_loss: 29.3321 - val_auc_81: 0.5049
Epoch 75/200
267/267 [=====] - 1s 3ms/step - loss: 17.2962 - auc_81:
0.5041 - val_loss: 26.0562 - val_auc_81: 0.4992
Epoch 76/200
267/267 [=====] - 1s 3ms/step - loss: 19.0461 - auc_81:
0.5036 - val_loss: 12.4843 - val_auc_81: 0.4960
Epoch 77/200
267/267 [=====] - 1s 3ms/step - loss: 16.5583 - auc_81:
0.5031 - val_loss: 10.8781 - val_auc_81: 0.5046
Epoch 78/200
267/267 [=====] - 1s 3ms/step - loss: 20.1984 - auc_81:
0.5032 - val_loss: 11.9669 - val_auc_81: 0.5020
Epoch 79/200
267/267 [=====] - 1s 3ms/step - loss: 20.2215 - auc_81:
0.5030 - val_loss: 36.6235 - val_auc_81: 0.5125
Epoch 80/200
267/267 [=====] - 1s 3ms/step - loss: 20.8711 - auc_81:
0.5014 - val_loss: 18.4149 - val_auc_81: 0.5079
Epoch 81/200
267/267 [=====] - 1s 3ms/step - loss: 21.0871 - auc_81:
0.5044 - val_loss: 11.1307 - val_auc_81: 0.4944
Epoch 82/200
267/267 [=====] - 1s 3ms/step - loss: 17.4681 - auc_81:
0.5048 - val_loss: 7.5401 - val_auc_81: 0.4866
Epoch 83/200
267/267 [=====] - 1s 3ms/step - loss: 15.1180 - auc_81:
0.5012 - val_loss: 20.6685 - val_auc_81: 0.4947
Epoch 84/200

267/267 [=====] - 1s 3ms/step - loss: 20.4813 - auc_81:
0.4983 - val_loss: 10.0391 - val_auc_81: 0.4906
Epoch 85/200
267/267 [=====] - 1s 3ms/step - loss: 20.1830 - auc_81:
0.4998 - val_loss: 31.6012 - val_auc_81: 0.4983
Epoch 86/200
267/267 [=====] - 1s 3ms/step - loss: 18.7312 - auc_81:
0.5009 - val_loss: 18.6275 - val_auc_81: 0.4988
Epoch 87/200
267/267 [=====] - 1s 3ms/step - loss: 20.1992 - auc_81:
0.5033 - val_loss: 18.7567 - val_auc_81: 0.5118
Epoch 88/200
267/267 [=====] - 1s 3ms/step - loss: 23.0042 - auc_81:
0.5015 - val_loss: 26.5534 - val_auc_81: 0.4916
Epoch 89/200
267/267 [=====] - 1s 3ms/step - loss: 17.0355 - auc_81:
0.5003 - val_loss: 11.9257 - val_auc_81: 0.5016
Epoch 90/200
267/267 [=====] - 1s 3ms/step - loss: 14.1762 - auc_81:
0.5024 - val_loss: 7.2564 - val_auc_81: 0.5063
Epoch 91/200
267/267 [=====] - 1s 3ms/step - loss: 23.2384 - auc_81:
0.5028 - val_loss: 8.0241 - val_auc_81: 0.5082
Epoch 92/200
267/267 [=====] - 1s 3ms/step - loss: 19.7829 - auc_81:
0.5052 - val_loss: 9.7532 - val_auc_81: 0.5016
Epoch 93/200
267/267 [=====] - 1s 3ms/step - loss: 18.9932 - auc_81:
0.5031 - val_loss: 7.8761 - val_auc_81: 0.5091
Epoch 94/200
267/267 [=====] - 1s 3ms/step - loss: 19.9738 - auc_81:
0.5003 - val_loss: 13.5273 - val_auc_81: 0.4938
Epoch 95/200
267/267 [=====] - 1s 3ms/step - loss: 20.2049 - auc_81:
0.5061 - val_loss: 16.9903 - val_auc_81: 0.5041
Epoch 96/200
267/267 [=====] - 1s 3ms/step - loss: 22.6738 - auc_81:
0.4998 - val_loss: 25.7316 - val_auc_81: 0.5087
Epoch 97/200
267/267 [=====] - 1s 3ms/step - loss: 17.5685 - auc_81:
0.4999 - val_loss: 34.0405 - val_auc_81: 0.4877
Epoch 98/200
267/267 [=====] - 1s 3ms/step - loss: 19.5970 - auc_81:
0.4985 - val_loss: 37.4691 - val_auc_81: 0.4874
Epoch 99/200
267/267 [=====] - 1s 3ms/step - loss: 20.1968 - auc_81:
0.5049 - val_loss: 29.9219 - val_auc_81: 0.4877
Epoch 100/200

267/267 [=====] - 1s 3ms/step - loss: 19.7325 - auc_81:
0.5012 - val_loss: 7.2968 - val_auc_81: 0.4955
Epoch 101/200
267/267 [=====] - 1s 3ms/step - loss: 17.0392 - auc_81:
0.5028 - val_loss: 16.0733 - val_auc_81: 0.5069
Epoch 102/200
267/267 [=====] - 1s 3ms/step - loss: 20.0176 - auc_81:
0.5004 - val_loss: 15.6557 - val_auc_81: 0.5045
Epoch 103/200
267/267 [=====] - 1s 3ms/step - loss: 21.2912 - auc_81:
0.5013 - val_loss: 23.6033 - val_auc_81: 0.5052
Epoch 104/200
267/267 [=====] - 1s 3ms/step - loss: 20.9457 - auc_81:
0.5033 - val_loss: 13.7039 - val_auc_81: 0.4976
Epoch 105/200
267/267 [=====] - 1s 3ms/step - loss: 20.3640 - auc_81:
0.5030 - val_loss: 22.2689 - val_auc_81: 0.5074
Epoch 106/200
267/267 [=====] - 1s 3ms/step - loss: 21.2550 - auc_81:
0.5022 - val_loss: 8.5437 - val_auc_81: 0.5012
Epoch 107/200
267/267 [=====] - 1s 3ms/step - loss: 18.3764 - auc_81:
0.5024 - val_loss: 19.3667 - val_auc_81: 0.5174
Epoch 108/200
267/267 [=====] - 1s 3ms/step - loss: 18.1848 - auc_81:
0.5051 - val_loss: 18.0087 - val_auc_81: 0.5008
Epoch 109/200
267/267 [=====] - 1s 3ms/step - loss: 17.6660 - auc_81:
0.5034 - val_loss: 15.8811 - val_auc_81: 0.5037
Epoch 110/200
267/267 [=====] - 1s 3ms/step - loss: 25.1648 - auc_81:
0.5057 - val_loss: 28.1683 - val_auc_81: 0.5056
Epoch 111/200
267/267 [=====] - 1s 3ms/step - loss: 21.9997 - auc_81:
0.5066 - val_loss: 23.9069 - val_auc_81: 0.5022
Epoch 112/200
267/267 [=====] - 1s 3ms/step - loss: 21.2289 - auc_81:
0.5024 - val_loss: 17.3161 - val_auc_81: 0.4978
Epoch 113/200
267/267 [=====] - 1s 3ms/step - loss: 21.0555 - auc_81:
0.5030 - val_loss: 36.4758 - val_auc_81: 0.4960
Epoch 114/200
267/267 [=====] - 1s 3ms/step - loss: 19.0093 - auc_81:
0.5042 - val_loss: 11.5828 - val_auc_81: 0.5136
Epoch 115/200
267/267 [=====] - 1s 3ms/step - loss: 20.0199 - auc_81:
0.5005 - val_loss: 25.5899 - val_auc_81: 0.5062
Epoch 116/200

267/267 [=====] - 1s 3ms/step - loss: 17.4111 - auc_81:
0.5016 - val_loss: 15.0233 - val_auc_81: 0.5119
Epoch 117/200
267/267 [=====] - 1s 3ms/step - loss: 20.2539 - auc_81:
0.5012 - val_loss: 23.9468 - val_auc_81: 0.4904
Epoch 118/200
267/267 [=====] - 1s 3ms/step - loss: 19.4173 - auc_81:
0.5060 - val_loss: 21.9214 - val_auc_81: 0.4872
Epoch 119/200
267/267 [=====] - 1s 3ms/step - loss: 20.2473 - auc_81:
0.4989 - val_loss: 27.9280 - val_auc_81: 0.4953
Epoch 120/200
267/267 [=====] - 1s 3ms/step - loss: 20.3575 - auc_81:
0.5016 - val_loss: 18.0255 - val_auc_81: 0.5008
Epoch 121/200
267/267 [=====] - 1s 3ms/step - loss: 16.7913 - auc_81:
0.5018 - val_loss: 22.3450 - val_auc_81: 0.5034
Epoch 122/200
267/267 [=====] - 1s 3ms/step - loss: 20.2405 - auc_81:
0.4982 - val_loss: 22.6684 - val_auc_81: 0.5046
Epoch 123/200
267/267 [=====] - 1s 3ms/step - loss: 20.1407 - auc_81:
0.5036 - val_loss: 12.4228 - val_auc_81: 0.4991
Epoch 124/200
267/267 [=====] - 1s 3ms/step - loss: 19.1136 - auc_81:
0.5039 - val_loss: 23.9851 - val_auc_81: 0.4908
Epoch 125/200
267/267 [=====] - 1s 3ms/step - loss: 19.2554 - auc_81:
0.5050 - val_loss: 17.7483 - val_auc_81: 0.4908
Epoch 126/200
267/267 [=====] - 1s 3ms/step - loss: 19.3239 - auc_81:
0.5025 - val_loss: 10.7106 - val_auc_81: 0.4924
Epoch 127/200
267/267 [=====] - 1s 3ms/step - loss: 22.0540 - auc_81:
0.5053 - val_loss: 30.0298 - val_auc_81: 0.4892
Epoch 128/200
267/267 [=====] - 1s 3ms/step - loss: 21.5611 - auc_81:
0.5017 - val_loss: 22.4767 - val_auc_81: 0.4895
Epoch 129/200
267/267 [=====] - 1s 3ms/step - loss: 19.6561 - auc_81:
0.5015 - val_loss: 13.4356 - val_auc_81: 0.5010
Epoch 130/200
267/267 [=====] - 1s 3ms/step - loss: 20.6448 - auc_81:
0.5042 - val_loss: 12.7164 - val_auc_81: 0.5119
Epoch 131/200
267/267 [=====] - 1s 3ms/step - loss: 22.1909 - auc_81:
0.5032 - val_loss: 15.6168 - val_auc_81: 0.5102
Epoch 132/200

267/267 [=====] - 1s 3ms/step - loss: 21.6722 - auc_81:
0.5018 - val_loss: 20.0552 - val_auc_81: 0.5059
Epoch 133/200
267/267 [=====] - 1s 3ms/step - loss: 17.1808 - auc_81:
0.5032 - val_loss: 10.9198 - val_auc_81: 0.5123
Epoch 134/200
267/267 [=====] - 1s 3ms/step - loss: 24.0020 - auc_81:
0.5017 - val_loss: 54.8056 - val_auc_81: 0.5031
Epoch 135/200
267/267 [=====] - 1s 3ms/step - loss: 24.5217 - auc_81:
0.5022 - val_loss: 12.3993 - val_auc_81: 0.5005
Epoch 136/200
267/267 [=====] - 1s 3ms/step - loss: 19.1702 - auc_81:
0.5005 - val_loss: 7.9007 - val_auc_81: 0.5058
Epoch 137/200
267/267 [=====] - 1s 3ms/step - loss: 19.0206 - auc_81:
0.5035 - val_loss: 22.2703 - val_auc_81: 0.5117
Epoch 138/200
267/267 [=====] - 1s 3ms/step - loss: 15.5464 - auc_81:
0.5019 - val_loss: 18.7898 - val_auc_81: 0.5060
Epoch 139/200
267/267 [=====] - 1s 3ms/step - loss: 20.0803 - auc_81:
0.5027 - val_loss: 5.9219 - val_auc_81: 0.5019
Epoch 140/200
267/267 [=====] - 1s 3ms/step - loss: 17.9174 - auc_81:
0.5006 - val_loss: 22.1354 - val_auc_81: 0.5051
Epoch 141/200
267/267 [=====] - 1s 3ms/step - loss: 20.0427 - auc_81:
0.4998 - val_loss: 26.2316 - val_auc_81: 0.4976
Epoch 142/200
267/267 [=====] - 1s 3ms/step - loss: 21.3973 - auc_81:
0.5041 - val_loss: 8.0137 - val_auc_81: 0.5041
Epoch 143/200
267/267 [=====] - 1s 3ms/step - loss: 19.0390 - auc_81:
0.5021 - val_loss: 16.6940 - val_auc_81: 0.4989
Epoch 144/200
267/267 [=====] - 1s 3ms/step - loss: 19.9712 - auc_81:
0.4996 - val_loss: 12.9325 - val_auc_81: 0.4941
Epoch 145/200
267/267 [=====] - 1s 3ms/step - loss: 18.8347 - auc_81:
0.5029 - val_loss: 21.2547 - val_auc_81: 0.4964
Epoch 146/200
267/267 [=====] - 1s 3ms/step - loss: 22.0900 - auc_81:
0.5016 - val_loss: 31.9883 - val_auc_81: 0.5071
Epoch 147/200
267/267 [=====] - 1s 3ms/step - loss: 21.7823 - auc_81:
0.5036 - val_loss: 44.9513 - val_auc_81: 0.4882
Epoch 148/200

267/267 [=====] - 1s 3ms/step - loss: 23.1137 - auc_81:
 0.5063 - val_loss: 26.9133 - val_auc_81: 0.4925
 Epoch 149/200
 267/267 [=====] - 1s 3ms/step - loss: 15.2828 - auc_81:
 0.5053 - val_loss: 16.0956 - val_auc_81: 0.5015
 Epoch 150/200
 267/267 [=====] - 1s 3ms/step - loss: 20.5120 - auc_81:
 0.5022 - val_loss: 20.6730 - val_auc_81: 0.4968
 Epoch 151/200
 267/267 [=====] - 1s 3ms/step - loss: 20.0596 - auc_81:
 0.5046 - val_loss: 38.2739 - val_auc_81: 0.5057
 Epoch 152/200
 267/267 [=====] - 1s 3ms/step - loss: 20.2328 - auc_81:
 0.5024 - val_loss: 16.6356 - val_auc_81: 0.5035
 Epoch 153/200
 267/267 [=====] - 1s 3ms/step - loss: 20.1297 - auc_81:
 0.5012 - val_loss: 10.0828 - val_auc_81: 0.5056
 Epoch 154/200
 267/267 [=====] - 1s 3ms/step - loss: 20.7065 - auc_81:
 0.5042 - val_loss: 13.7644 - val_auc_81: 0.5056
 Epoch 155/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9272 - auc_81:
 0.5050 - val_loss: 22.5840 - val_auc_81: 0.5064
 Epoch 156/200
 267/267 [=====] - 1s 3ms/step - loss: 18.9436 - auc_81:
 0.5017 - val_loss: 10.3739 - val_auc_81: 0.5098
 Epoch 157/200
 267/267 [=====] - 1s 3ms/step - loss: 19.2164 - auc_81:
 0.5020 - val_loss: 17.6436 - val_auc_81: 0.4926
 Epoch 158/200
 267/267 [=====] - 1s 3ms/step - loss: 21.6567 - auc_81:
 0.5053 - val_loss: 26.9785 - val_auc_81: 0.5115
 Epoch 159/200
 267/267 [=====] - 1s 3ms/step - loss: 21.4967 - auc_81:
 0.5047 - val_loss: 15.1342 - val_auc_81: 0.4918
 Epoch 160/200
 267/267 [=====] - 1s 3ms/step - loss: 22.3066 - auc_81:
 0.5000 - val_loss: 4.3122 - val_auc_81: 0.5059
 Epoch 161/200
 267/267 [=====] - 1s 3ms/step - loss: 18.1803 - auc_81:
 0.5044 - val_loss: 8.1728 - val_auc_81: 0.5074
 Epoch 162/200
 267/267 [=====] - 1s 3ms/step - loss: 21.1918 - auc_81:
 0.5016 - val_loss: 9.1367 - val_auc_81: 0.5073
 Epoch 163/200
 267/267 [=====] - 1s 3ms/step - loss: 19.7801 - auc_81:
 0.5039 - val_loss: 35.9249 - val_auc_81: 0.5079
 Epoch 164/200

267/267 [=====] - 1s 3ms/step - loss: 21.9200 - auc_81:
0.5015 - val_loss: 9.4388 - val_auc_81: 0.5101
Epoch 165/200
267/267 [=====] - 1s 3ms/step - loss: 19.7034 - auc_81:
0.5036 - val_loss: 15.4886 - val_auc_81: 0.5012
Epoch 166/200
267/267 [=====] - 1s 3ms/step - loss: 19.4994 - auc_81:
0.5027 - val_loss: 17.8606 - val_auc_81: 0.5081
Epoch 167/200
267/267 [=====] - 1s 3ms/step - loss: 21.1528 - auc_81:
0.5042 - val_loss: 21.2785 - val_auc_81: 0.4929
Epoch 168/200
267/267 [=====] - 1s 3ms/step - loss: 25.1460 - auc_81:
0.4991 - val_loss: 7.4188 - val_auc_81: 0.4967
Epoch 169/200
267/267 [=====] - 1s 3ms/step - loss: 18.4896 - auc_81:
0.5015 - val_loss: 12.5609 - val_auc_81: 0.4896
Epoch 170/200
267/267 [=====] - 1s 3ms/step - loss: 25.1974 - auc_81:
0.5006 - val_loss: 33.2197 - val_auc_81: 0.4989
Epoch 171/200
267/267 [=====] - 1s 3ms/step - loss: 19.7939 - auc_81:
0.5057 - val_loss: 9.3175 - val_auc_81: 0.4947
Epoch 172/200
267/267 [=====] - 1s 3ms/step - loss: 22.0745 - auc_81:
0.5026 - val_loss: 22.6659 - val_auc_81: 0.5045
Epoch 173/200
267/267 [=====] - 1s 3ms/step - loss: 17.4600 - auc_81:
0.5043 - val_loss: 18.3925 - val_auc_81: 0.4898
Epoch 174/200
267/267 [=====] - 1s 3ms/step - loss: 22.1900 - auc_81:
0.5033 - val_loss: 14.0184 - val_auc_81: 0.4965
Epoch 175/200
267/267 [=====] - 1s 3ms/step - loss: 18.8103 - auc_81:
0.5050 - val_loss: 31.4456 - val_auc_81: 0.4994
Epoch 176/200
267/267 [=====] - 1s 3ms/step - loss: 15.3533 - auc_81:
0.5034 - val_loss: 12.3744 - val_auc_81: 0.5087
Epoch 177/200
267/267 [=====] - 1s 3ms/step - loss: 22.3209 - auc_81:
0.5030 - val_loss: 23.1631 - val_auc_81: 0.5035
Epoch 178/200
267/267 [=====] - 1s 3ms/step - loss: 17.3499 - auc_81:
0.5044 - val_loss: 7.3515 - val_auc_81: 0.5132
Epoch 179/200
267/267 [=====] - 1s 3ms/step - loss: 19.9655 - auc_81:
0.5039 - val_loss: 14.1674 - val_auc_81: 0.5027
Epoch 180/200

267/267 [=====] - 1s 3ms/step - loss: 20.1557 - auc_81:
0.5040 - val_loss: 23.0016 - val_auc_81: 0.4997
Epoch 181/200
267/267 [=====] - 1s 3ms/step - loss: 19.7622 - auc_81:
0.5045 - val_loss: 50.5067 - val_auc_81: 0.4952
Epoch 182/200
267/267 [=====] - 1s 3ms/step - loss: 19.6492 - auc_81:
0.5033 - val_loss: 8.6470 - val_auc_81: 0.5113
Epoch 183/200
267/267 [=====] - 1s 3ms/step - loss: 20.7921 - auc_81:
0.5011 - val_loss: 23.6901 - val_auc_81: 0.5167
Epoch 184/200
267/267 [=====] - 1s 3ms/step - loss: 18.5521 - auc_81:
0.5050 - val_loss: 22.8059 - val_auc_81: 0.5075
Epoch 185/200
267/267 [=====] - 1s 3ms/step - loss: 22.3191 - auc_81:
0.5005 - val_loss: 28.1838 - val_auc_81: 0.5018
Epoch 186/200
267/267 [=====] - 1s 3ms/step - loss: 19.1938 - auc_81:
0.5022 - val_loss: 20.1836 - val_auc_81: 0.5020
Epoch 187/200
267/267 [=====] - 1s 3ms/step - loss: 19.5340 - auc_81:
0.5021 - val_loss: 41.9540 - val_auc_81: 0.5055
Epoch 188/200
267/267 [=====] - 1s 3ms/step - loss: 20.1483 - auc_81:
0.5002 - val_loss: 27.1130 - val_auc_81: 0.5089
Epoch 189/200
267/267 [=====] - 1s 3ms/step - loss: 19.8375 - auc_81:
0.5000 - val_loss: 31.1501 - val_auc_81: 0.5090
Epoch 190/200
267/267 [=====] - 1s 3ms/step - loss: 19.3959 - auc_81:
0.5009 - val_loss: 14.5063 - val_auc_81: 0.5040
Epoch 191/200
267/267 [=====] - 1s 3ms/step - loss: 15.5752 - auc_81:
0.5028 - val_loss: 17.2403 - val_auc_81: 0.4997
Epoch 192/200
267/267 [=====] - 1s 3ms/step - loss: 19.3566 - auc_81:
0.5013 - val_loss: 8.8160 - val_auc_81: 0.5137
Epoch 193/200
267/267 [=====] - 1s 3ms/step - loss: 20.7236 - auc_81:
0.5000 - val_loss: 17.3253 - val_auc_81: 0.5103
Epoch 194/200
267/267 [=====] - 1s 3ms/step - loss: 18.6781 - auc_81:
0.5012 - val_loss: 26.7487 - val_auc_81: 0.4989
Epoch 195/200
267/267 [=====] - 1s 3ms/step - loss: 19.7136 - auc_81:
0.5008 - val_loss: 19.3039 - val_auc_81: 0.4914
Epoch 196/200

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267/267 [=====] - 1s 3ms/step - loss: 15.7156 - auc_81:
0.5018 - val_loss: 12.9712 - val_auc_81: 0.5034
Epoch 197/200
267/267 [=====] - 1s 3ms/step - loss: 22.8630 - auc_81:
0.5059 - val_loss: 18.8347 - val_auc_81: 0.5102
Epoch 198/200
267/267 [=====] - 1s 3ms/step - loss: 20.2348 - auc_81:
0.4998 - val_loss: 17.8406 - val_auc_81: 0.5054
Epoch 199/200
267/267 [=====] - 1s 3ms/step - loss: 17.4278 - auc_81:
0.5052 - val_loss: 8.3097 - val_auc_81: 0.5012
Epoch 200/200
267/267 [=====] - 1s 3ms/step - loss: 24.3293 - auc_81:
0.5027 - val_loss: 18.1246 - val_auc_81: 0.4920
625/625 [=====] - 0s 551us/step
[CV] ... epochs=200, learning_rate=0.1, score=0.507, total= 2.5min
[CV] epochs=200, learning_rate=0.1 ...
Epoch 1/200
267/267 [=====] - 1s 4ms/step - loss: 19.5490 - auc_82:
0.4992 - val_loss: 23.0500 - val_auc_82: 0.5020
Epoch 2/200
267/267 [=====] - 1s 3ms/step - loss: 18.4326 - auc_82:
0.5019 - val_loss: 9.4223 - val_auc_82: 0.5057
Epoch 3/200
267/267 [=====] - 1s 3ms/step - loss: 20.6268 - auc_82:
0.5017 - val_loss: 41.0187 - val_auc_82: 0.5044
Epoch 4/200
267/267 [=====] - 1s 3ms/step - loss: 20.5066 - auc_82:
0.5024 - val_loss: 12.3907 - val_auc_82: 0.4935
Epoch 5/200
267/267 [=====] - 1s 3ms/step - loss: 22.0886 - auc_82:
0.5043 - val_loss: 18.2211 - val_auc_82: 0.5044
Epoch 6/200
267/267 [=====] - 1s 3ms/step - loss: 17.8993 - auc_82:
0.5035 - val_loss: 8.1461 - val_auc_82: 0.5029
Epoch 7/200
267/267 [=====] - 1s 3ms/step - loss: 21.4581 - auc_82:
0.5028 - val_loss: 22.3789 - val_auc_82: 0.5129
Epoch 8/200
267/267 [=====] - 1s 3ms/step - loss: 18.1398 - auc_82:
0.5024 - val_loss: 11.7929 - val_auc_82: 0.4897
Epoch 9/200
267/267 [=====] - 1s 3ms/step - loss: 17.7971 - auc_82:
0.5040 - val_loss: 15.0871 - val_auc_82: 0.5088
Epoch 10/200
267/267 [=====] - 1s 3ms/step - loss: 20.6042 - auc_82:
0.5037 - val_loss: 39.1795 - val_auc_82: 0.4946
Epoch 11/200

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267/267 [=====] - 1s 3ms/step - loss: 21.9586 - auc_82:
0.5068 - val_loss: 31.9597 - val_auc_82: 0.5010
Epoch 12/200
267/267 [=====] - 1s 3ms/step - loss: 18.8862 - auc_82:
0.5032 - val_loss: 23.1370 - val_auc_82: 0.4996
Epoch 13/200
267/267 [=====] - 1s 3ms/step - loss: 17.9548 - auc_82:
0.5035 - val_loss: 18.5724 - val_auc_82: 0.4978
Epoch 14/200
267/267 [=====] - 1s 3ms/step - loss: 18.3104 - auc_82:
0.5040 - val_loss: 11.2538 - val_auc_82: 0.5096
Epoch 15/200
267/267 [=====] - 1s 3ms/step - loss: 22.1016 - auc_82:
0.5047 - val_loss: 28.8093 - val_auc_82: 0.5127
Epoch 16/200
267/267 [=====] - 1s 3ms/step - loss: 18.2709 - auc_82:
0.5043 - val_loss: 29.6946 - val_auc_82: 0.5091
Epoch 17/200
267/267 [=====] - 1s 3ms/step - loss: 20.3852 - auc_82:
0.5019 - val_loss: 23.7094 - val_auc_82: 0.4928
Epoch 18/200
267/267 [=====] - 1s 3ms/step - loss: 18.7041 - auc_82:
0.4994 - val_loss: 22.9985 - val_auc_82: 0.4919
Epoch 19/200
267/267 [=====] - 1s 3ms/step - loss: 17.0026 - auc_82:
0.5024 - val_loss: 20.9948 - val_auc_82: 0.5096
Epoch 20/200
267/267 [=====] - 1s 3ms/step - loss: 19.1159 - auc_82:
0.5013 - val_loss: 14.5054 - val_auc_82: 0.5077
Epoch 21/200
267/267 [=====] - 1s 3ms/step - loss: 18.5283 - auc_82:
0.5044 - val_loss: 19.4356 - val_auc_82: 0.4964
Epoch 22/200
267/267 [=====] - 1s 3ms/step - loss: 27.0666 - auc_82:
0.5014 - val_loss: 68.1409 - val_auc_82: 0.5011
Epoch 23/200
267/267 [=====] - 1s 3ms/step - loss: 18.5436 - auc_82:
0.5021 - val_loss: 16.6735 - val_auc_82: 0.4994
Epoch 24/200
267/267 [=====] - 1s 3ms/step - loss: 20.8587 - auc_82:
0.5044 - val_loss: 21.3800 - val_auc_82: 0.5083
Epoch 25/200
267/267 [=====] - 1s 3ms/step - loss: 20.3865 - auc_82:
0.5020 - val_loss: 11.9443 - val_auc_82: 0.5002
Epoch 26/200
267/267 [=====] - 1s 3ms/step - loss: 24.0351 - auc_82:
0.5058 - val_loss: 12.7283 - val_auc_82: 0.5052
Epoch 27/200

267/267 [=====] - 1s 3ms/step - loss: 20.1401 - auc_82:
0.5022 - val_loss: 28.3325 - val_auc_82: 0.4925
Epoch 28/200
267/267 [=====] - 1s 3ms/step - loss: 20.0079 - auc_82:
0.5029 - val_loss: 20.0339 - val_auc_82: 0.4998
Epoch 29/200
267/267 [=====] - 1s 3ms/step - loss: 21.3842 - auc_82:
0.4991 - val_loss: 22.0280 - val_auc_82: 0.4973
Epoch 30/200
267/267 [=====] - 1s 3ms/step - loss: 18.2516 - auc_82:
0.5015 - val_loss: 17.3162 - val_auc_82: 0.4925
Epoch 31/200
267/267 [=====] - 1s 3ms/step - loss: 19.2050 - auc_82:
0.5013 - val_loss: 11.3558 - val_auc_82: 0.5070
Epoch 32/200
267/267 [=====] - 1s 3ms/step - loss: 15.8725 - auc_82:
0.4978 - val_loss: 14.8021 - val_auc_82: 0.5049
Epoch 33/200
267/267 [=====] - 1s 3ms/step - loss: 18.4417 - auc_82:
0.5047 - val_loss: 15.9297 - val_auc_82: 0.5022
Epoch 34/200
267/267 [=====] - 1s 3ms/step - loss: 21.4423 - auc_82:
0.5045 - val_loss: 23.8009 - val_auc_82: 0.5148
Epoch 35/200
267/267 [=====] - 1s 3ms/step - loss: 20.2405 - auc_82:
0.5016 - val_loss: 29.2236 - val_auc_82: 0.4976
Epoch 36/200
267/267 [=====] - 1s 3ms/step - loss: 20.7654 - auc_82:
0.5028 - val_loss: 6.8979 - val_auc_82: 0.5106
Epoch 37/200
267/267 [=====] - 1s 3ms/step - loss: 19.7383 - auc_82:
0.5021 - val_loss: 37.1698 - val_auc_82: 0.5080
Epoch 38/200
267/267 [=====] - 1s 3ms/step - loss: 17.7022 - auc_82:
0.5008 - val_loss: 33.8083 - val_auc_82: 0.5116
Epoch 39/200
267/267 [=====] - 1s 3ms/step - loss: 18.4380 - auc_82:
0.5012 - val_loss: 6.4725 - val_auc_82: 0.5051
Epoch 40/200
267/267 [=====] - 1s 3ms/step - loss: 19.4846 - auc_82:
0.5048 - val_loss: 12.0807 - val_auc_82: 0.5072
Epoch 41/200
267/267 [=====] - 1s 3ms/step - loss: 17.0165 - auc_82:
0.5019 - val_loss: 17.4404 - val_auc_82: 0.5023
Epoch 42/200
267/267 [=====] - 1s 3ms/step - loss: 17.3900 - auc_82:
0.5022 - val_loss: 8.1425 - val_auc_82: 0.4981
Epoch 43/200

267/267 [=====] - 1s 3ms/step - loss: 21.5222 - auc_82:
 0.5032 - val_loss: 46.0007 - val_auc_82: 0.5036
 Epoch 44/200
 267/267 [=====] - 1s 3ms/step - loss: 18.2673 - auc_82:
 0.5037 - val_loss: 18.0455 - val_auc_82: 0.4844
 Epoch 45/200
 267/267 [=====] - 1s 3ms/step - loss: 15.9442 - auc_82:
 0.5027 - val_loss: 11.8821 - val_auc_82: 0.5019
 Epoch 46/200
 267/267 [=====] - 1s 3ms/step - loss: 19.5119 - auc_82:
 0.5023 - val_loss: 13.8180 - val_auc_82: 0.5151
 Epoch 47/200
 267/267 [=====] - 1s 3ms/step - loss: 17.2324 - auc_82:
 0.5036 - val_loss: 34.5308 - val_auc_82: 0.5024
 Epoch 48/200
 267/267 [=====] - 1s 3ms/step - loss: 18.4173 - auc_82:
 0.5030 - val_loss: 22.1503 - val_auc_82: 0.5026
 Epoch 49/200
 267/267 [=====] - 1s 3ms/step - loss: 18.2305 - auc_82:
 0.5006 - val_loss: 19.4371 - val_auc_82: 0.5083
 Epoch 50/200
 267/267 [=====] - 1s 3ms/step - loss: 18.9335 - auc_82:
 0.5013 - val_loss: 19.2416 - val_auc_82: 0.5000
 Epoch 51/200
 267/267 [=====] - 1s 3ms/step - loss: 18.6707 - auc_82:
 0.5050 - val_loss: 24.6602 - val_auc_82: 0.4862
 Epoch 52/200
 267/267 [=====] - 1s 3ms/step - loss: 16.7004 - auc_82:
 0.4997 - val_loss: 41.1231 - val_auc_82: 0.5023
 Epoch 53/200
 267/267 [=====] - 1s 3ms/step - loss: 21.0189 - auc_82:
 0.5038 - val_loss: 16.4505 - val_auc_82: 0.5037
 Epoch 54/200
 267/267 [=====] - 1s 3ms/step - loss: 18.3977 - auc_82:
 0.5005 - val_loss: 7.7624 - val_auc_82: 0.5097
 Epoch 55/200
 267/267 [=====] - 1s 3ms/step - loss: 18.4803 - auc_82:
 0.5022 - val_loss: 15.6317 - val_auc_82: 0.5018
 Epoch 56/200
 267/267 [=====] - 1s 3ms/step - loss: 18.4586 - auc_82:
 0.5031 - val_loss: 10.8413 - val_auc_82: 0.4973
 Epoch 57/200
 267/267 [=====] - 1s 3ms/step - loss: 16.7799 - auc_82:
 0.5010 - val_loss: 15.9420 - val_auc_82: 0.5131
 Epoch 58/200
 267/267 [=====] - 1s 3ms/step - loss: 19.7808 - auc_82:
 0.5042 - val_loss: 25.4975 - val_auc_82: 0.4907
 Epoch 59/200

267/267 [=====] - 1s 3ms/step - loss: 19.7093 - auc_82:
0.5036 - val_loss: 6.1462 - val_auc_82: 0.4928
Epoch 60/200
267/267 [=====] - 1s 3ms/step - loss: 19.2945 - auc_82:
0.5016 - val_loss: 21.0344 - val_auc_82: 0.4936
Epoch 61/200
267/267 [=====] - 1s 3ms/step - loss: 20.2272 - auc_82:
0.5037 - val_loss: 19.4773 - val_auc_82: 0.4976
Epoch 62/200
267/267 [=====] - 1s 3ms/step - loss: 17.9199 - auc_82:
0.5046 - val_loss: 21.1171 - val_auc_82: 0.4975
Epoch 63/200
267/267 [=====] - 1s 3ms/step - loss: 19.7006 - auc_82:
0.5007 - val_loss: 28.4003 - val_auc_82: 0.4941
Epoch 64/200
267/267 [=====] - 1s 3ms/step - loss: 21.4895 - auc_82:
0.5003 - val_loss: 27.9066 - val_auc_82: 0.5077
Epoch 65/200
267/267 [=====] - 1s 3ms/step - loss: 22.1450 - auc_82:
0.5022 - val_loss: 13.3973 - val_auc_82: 0.4932
Epoch 66/200
267/267 [=====] - 1s 3ms/step - loss: 16.4011 - auc_82:
0.5028 - val_loss: 4.6029 - val_auc_82: 0.4881
Epoch 67/200
267/267 [=====] - 1s 3ms/step - loss: 19.7405 - auc_82:
0.5040 - val_loss: 23.2285 - val_auc_82: 0.5069
Epoch 68/200
267/267 [=====] - 1s 3ms/step - loss: 22.2338 - auc_82:
0.5008 - val_loss: 17.0490 - val_auc_82: 0.5012
Epoch 69/200
267/267 [=====] - 1s 3ms/step - loss: 16.5974 - auc_82:
0.5041 - val_loss: 22.5852 - val_auc_82: 0.5049
Epoch 70/200
267/267 [=====] - 1s 3ms/step - loss: 22.5834 - auc_82:
0.5029 - val_loss: 11.2189 - val_auc_82: 0.5161
Epoch 71/200
267/267 [=====] - 1s 3ms/step - loss: 22.0120 - auc_82:
0.5052 - val_loss: 38.3330 - val_auc_82: 0.4918
Epoch 72/200
267/267 [=====] - 1s 3ms/step - loss: 17.8009 - auc_82:
0.5012 - val_loss: 7.0773 - val_auc_82: 0.5008
Epoch 73/200
267/267 [=====] - 1s 3ms/step - loss: 19.2919 - auc_82:
0.5039 - val_loss: 16.6827 - val_auc_82: 0.4985
Epoch 74/200
267/267 [=====] - 1s 3ms/step - loss: 17.5834 - auc_82:
0.5024 - val_loss: 25.5298 - val_auc_82: 0.5109
Epoch 75/200

267/267 [=====] - 1s 3ms/step - loss: 21.9790 - auc_82:
0.5036 - val_loss: 16.8583 - val_auc_82: 0.5081
Epoch 76/200
267/267 [=====] - 1s 3ms/step - loss: 20.4605 - auc_82:
0.5062 - val_loss: 7.1872 - val_auc_82: 0.5050
Epoch 77/200
267/267 [=====] - 1s 3ms/step - loss: 18.5680 - auc_82:
0.4994 - val_loss: 17.3761 - val_auc_82: 0.5062
Epoch 78/200
267/267 [=====] - 1s 3ms/step - loss: 20.4873 - auc_82:
0.5016 - val_loss: 7.8259 - val_auc_82: 0.4958
Epoch 79/200
267/267 [=====] - 1s 3ms/step - loss: 17.8394 - auc_82:
0.5036 - val_loss: 19.1363 - val_auc_82: 0.5077
Epoch 80/200
267/267 [=====] - 1s 3ms/step - loss: 16.9915 - auc_82:
0.5044 - val_loss: 8.3571 - val_auc_82: 0.4993
Epoch 81/200
267/267 [=====] - 1s 3ms/step - loss: 18.9659 - auc_82:
0.5043 - val_loss: 27.0657 - val_auc_82: 0.4907
Epoch 82/200
267/267 [=====] - 1s 3ms/step - loss: 22.9453 - auc_82:
0.5069 - val_loss: 17.0412 - val_auc_82: 0.4981
Epoch 83/200
267/267 [=====] - 1s 3ms/step - loss: 20.5250 - auc_82:
0.5013 - val_loss: 18.2198 - val_auc_82: 0.4977
Epoch 84/200
267/267 [=====] - 1s 3ms/step - loss: 21.3408 - auc_82:
0.5011 - val_loss: 22.4671 - val_auc_82: 0.4946
Epoch 85/200
267/267 [=====] - 1s 3ms/step - loss: 20.1380 - auc_82:
0.5047 - val_loss: 32.8731 - val_auc_82: 0.4947
Epoch 86/200
267/267 [=====] - 1s 3ms/step - loss: 18.1819 - auc_82:
0.5039 - val_loss: 33.6763 - val_auc_82: 0.5063
Epoch 87/200
267/267 [=====] - 1s 3ms/step - loss: 21.8903 - auc_82:
0.5042 - val_loss: 29.0390 - val_auc_82: 0.4940
Epoch 88/200
267/267 [=====] - 1s 3ms/step - loss: 19.9169 - auc_82:
0.5023 - val_loss: 18.8810 - val_auc_82: 0.4994
Epoch 89/200
267/267 [=====] - 1s 3ms/step - loss: 20.0025 - auc_82:
0.5046 - val_loss: 31.3703 - val_auc_82: 0.4971
Epoch 90/200
267/267 [=====] - 1s 3ms/step - loss: 17.9323 - auc_82:
0.5012 - val_loss: 21.0940 - val_auc_82: 0.4945
Epoch 91/200

267/267 [=====] - 1s 3ms/step - loss: 17.7632 - auc_82:
 0.5006 - val_loss: 23.6708 - val_auc_82: 0.4997
 Epoch 92/200
 267/267 [=====] - 1s 3ms/step - loss: 19.7011 - auc_82:
 0.5069 - val_loss: 19.2154 - val_auc_82: 0.5056
 Epoch 93/200
 267/267 [=====] - 1s 3ms/step - loss: 19.4741 - auc_82:
 0.5016 - val_loss: 32.3918 - val_auc_82: 0.4938
 Epoch 94/200
 267/267 [=====] - 1s 3ms/step - loss: 19.3753 - auc_82:
 0.5034 - val_loss: 27.0774 - val_auc_82: 0.5068
 Epoch 95/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9962 - auc_82:
 0.5066 - val_loss: 21.2865 - val_auc_82: 0.4961
 Epoch 96/200
 267/267 [=====] - 1s 3ms/step - loss: 22.8462 - auc_82:
 0.5027 - val_loss: 23.1094 - val_auc_82: 0.4941
 Epoch 97/200
 267/267 [=====] - 1s 3ms/step - loss: 19.6701 - auc_82:
 0.5069 - val_loss: 13.5925 - val_auc_82: 0.5063
 Epoch 98/200
 267/267 [=====] - 1s 3ms/step - loss: 18.2526 - auc_82:
 0.4999 - val_loss: 34.2001 - val_auc_82: 0.5074
 Epoch 99/200
 267/267 [=====] - 1s 3ms/step - loss: 22.5241 - auc_82:
 0.5029 - val_loss: 23.3018 - val_auc_82: 0.4988
 Epoch 100/200
 267/267 [=====] - 1s 3ms/step - loss: 18.2704 - auc_82:
 0.5013 - val_loss: 32.6242 - val_auc_82: 0.4946
 Epoch 101/200
 267/267 [=====] - 1s 3ms/step - loss: 19.8335 - auc_82:
 0.5024 - val_loss: 25.0939 - val_auc_82: 0.5057
 Epoch 102/200
 267/267 [=====] - 1s 3ms/step - loss: 17.5867 - auc_82:
 0.5015 - val_loss: 24.2597 - val_auc_82: 0.5043
 Epoch 103/200
 267/267 [=====] - 1s 3ms/step - loss: 23.5005 - auc_82:
 0.5042 - val_loss: 28.0319 - val_auc_82: 0.4968
 Epoch 104/200
 267/267 [=====] - 1s 3ms/step - loss: 23.9964 - auc_82:
 0.5019 - val_loss: 24.3920 - val_auc_82: 0.5097
 Epoch 105/200
 267/267 [=====] - 1s 3ms/step - loss: 16.2373 - auc_82:
 0.5053 - val_loss: 32.6518 - val_auc_82: 0.4971
 Epoch 106/200
 267/267 [=====] - 1s 3ms/step - loss: 24.4798 - auc_82:
 0.5014 - val_loss: 40.6272 - val_auc_82: 0.4879
 Epoch 107/200

267/267 [=====] - 1s 3ms/step - loss: 21.2713 - auc_82:
0.5049 - val_loss: 12.0732 - val_auc_82: 0.5015
Epoch 108/200
267/267 [=====] - 1s 3ms/step - loss: 20.3938 - auc_82:
0.5032 - val_loss: 45.9945 - val_auc_82: 0.5141
Epoch 109/200
267/267 [=====] - 1s 3ms/step - loss: 21.6786 - auc_82:
0.5021 - val_loss: 25.0671 - val_auc_82: 0.4967
Epoch 110/200
267/267 [=====] - 1s 3ms/step - loss: 20.3980 - auc_82:
0.5034 - val_loss: 28.7109 - val_auc_82: 0.4958
Epoch 111/200
267/267 [=====] - 1s 3ms/step - loss: 16.0816 - auc_82:
0.5007 - val_loss: 25.5502 - val_auc_82: 0.5036
Epoch 112/200
267/267 [=====] - 1s 3ms/step - loss: 23.3374 - auc_82:
0.5057 - val_loss: 5.5611 - val_auc_82: 0.5094
Epoch 113/200
267/267 [=====] - 1s 3ms/step - loss: 20.6923 - auc_82:
0.5001 - val_loss: 17.0628 - val_auc_82: 0.4983
Epoch 114/200
267/267 [=====] - 1s 3ms/step - loss: 18.1932 - auc_82:
0.5012 - val_loss: 12.1111 - val_auc_82: 0.5128
Epoch 115/200
267/267 [=====] - 1s 3ms/step - loss: 22.8558 - auc_82:
0.5048 - val_loss: 8.2087 - val_auc_82: 0.5059
Epoch 116/200
267/267 [=====] - 1s 3ms/step - loss: 15.7424 - auc_82:
0.5027 - val_loss: 13.8468 - val_auc_82: 0.4952
Epoch 117/200
267/267 [=====] - 1s 3ms/step - loss: 21.0245 - auc_82:
0.5018 - val_loss: 29.9352 - val_auc_82: 0.5115
Epoch 118/200
267/267 [=====] - 1s 3ms/step - loss: 18.5607 - auc_82:
0.5028 - val_loss: 19.1138 - val_auc_82: 0.5017
Epoch 119/200
267/267 [=====] - 1s 3ms/step - loss: 18.3097 - auc_82:
0.5054 - val_loss: 11.2757 - val_auc_82: 0.4994
Epoch 120/200
267/267 [=====] - 1s 3ms/step - loss: 18.8812 - auc_82:
0.5053 - val_loss: 10.1915 - val_auc_82: 0.4974
Epoch 121/200
267/267 [=====] - 1s 3ms/step - loss: 19.4705 - auc_82:
0.4985 - val_loss: 21.6513 - val_auc_82: 0.5113
Epoch 122/200
267/267 [=====] - 1s 3ms/step - loss: 18.3477 - auc_82:
0.5053 - val_loss: 24.2693 - val_auc_82: 0.4973
Epoch 123/200

267/267 [=====] - 1s 3ms/step - loss: 19.2424 - auc_82:
 0.5040 - val_loss: 19.7202 - val_auc_82: 0.5001
 Epoch 124/200
 267/267 [=====] - 1s 3ms/step - loss: 16.8654 - auc_82:
 0.5038 - val_loss: 14.2093 - val_auc_82: 0.4945
 Epoch 125/200
 267/267 [=====] - 1s 3ms/step - loss: 18.9987 - auc_82:
 0.5035 - val_loss: 21.2520 - val_auc_82: 0.4988
 Epoch 126/200
 267/267 [=====] - 1s 3ms/step - loss: 21.6519 - auc_82:
 0.5013 - val_loss: 26.0171 - val_auc_82: 0.5116
 Epoch 127/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9711 - auc_82:
 0.5046 - val_loss: 42.1882 - val_auc_82: 0.5076
 Epoch 128/200
 267/267 [=====] - 1s 3ms/step - loss: 20.1042 - auc_82:
 0.5029 - val_loss: 14.0294 - val_auc_82: 0.4912
 Epoch 129/200
 267/267 [=====] - 1s 3ms/step - loss: 19.4356 - auc_82:
 0.5017 - val_loss: 8.9527 - val_auc_82: 0.4982
 Epoch 130/200
 267/267 [=====] - 1s 3ms/step - loss: 17.0146 - auc_82:
 0.5018 - val_loss: 21.0822 - val_auc_82: 0.4964
 Epoch 131/200
 267/267 [=====] - 1s 3ms/step - loss: 17.7168 - auc_82:
 0.5044 - val_loss: 10.1182 - val_auc_82: 0.4922
 Epoch 132/200
 267/267 [=====] - 1s 3ms/step - loss: 15.8317 - auc_82:
 0.5046 - val_loss: 9.5989 - val_auc_82: 0.4993
 Epoch 133/200
 267/267 [=====] - 1s 3ms/step - loss: 16.5340 - auc_82:
 0.5055 - val_loss: 10.8442 - val_auc_82: 0.5033
 Epoch 134/200
 267/267 [=====] - 1s 3ms/step - loss: 24.2764 - auc_82:
 0.5032 - val_loss: 10.6193 - val_auc_82: 0.5055
 Epoch 135/200
 267/267 [=====] - 1s 3ms/step - loss: 19.4656 - auc_82:
 0.5042 - val_loss: 9.4165 - val_auc_82: 0.4972
 Epoch 136/200
 267/267 [=====] - 1s 3ms/step - loss: 19.7130 - auc_82:
 0.5027 - val_loss: 14.9940 - val_auc_82: 0.4983
 Epoch 137/200
 267/267 [=====] - 1s 3ms/step - loss: 19.4034 - auc_82:
 0.5011 - val_loss: 23.2284 - val_auc_82: 0.4921
 Epoch 138/200
 267/267 [=====] - 1s 3ms/step - loss: 23.3659 - auc_82:
 0.5009 - val_loss: 9.0354 - val_auc_82: 0.5043
 Epoch 139/200

267/267 [=====] - 1s 3ms/step - loss: 18.8083 - auc_82:
0.5009 - val_loss: 10.9426 - val_auc_82: 0.5104
Epoch 140/200
267/267 [=====] - 1s 3ms/step - loss: 16.1486 - auc_82:
0.4994 - val_loss: 14.3224 - val_auc_82: 0.5072
Epoch 141/200
267/267 [=====] - 1s 3ms/step - loss: 16.1556 - auc_82:
0.5030 - val_loss: 12.3503 - val_auc_82: 0.5004
Epoch 142/200
267/267 [=====] - 1s 3ms/step - loss: 18.0890 - auc_82:
0.5049 - val_loss: 43.1003 - val_auc_82: 0.5156
Epoch 143/200
267/267 [=====] - 1s 3ms/step - loss: 22.1074 - auc_82:
0.5023 - val_loss: 29.4235 - val_auc_82: 0.4981
Epoch 144/200
267/267 [=====] - 1s 3ms/step - loss: 21.3440 - auc_82:
0.5061 - val_loss: 28.3320 - val_auc_82: 0.5020
Epoch 145/200
267/267 [=====] - 1s 3ms/step - loss: 17.9703 - auc_82:
0.5015 - val_loss: 16.9931 - val_auc_82: 0.4913
Epoch 146/200
267/267 [=====] - 1s 3ms/step - loss: 17.1864 - auc_82:
0.5012 - val_loss: 9.3170 - val_auc_82: 0.5036
Epoch 147/200
267/267 [=====] - 1s 3ms/step - loss: 14.9614 - auc_82:
0.5035 - val_loss: 12.8622 - val_auc_82: 0.4997
Epoch 148/200
267/267 [=====] - 1s 3ms/step - loss: 22.4562 - auc_82:
0.5023 - val_loss: 41.8621 - val_auc_82: 0.4891
Epoch 149/200
267/267 [=====] - 1s 3ms/step - loss: 20.9118 - auc_82:
0.5053 - val_loss: 12.1989 - val_auc_82: 0.5071
Epoch 150/200
267/267 [=====] - 1s 3ms/step - loss: 24.7621 - auc_82:
0.5009 - val_loss: 26.8761 - val_auc_82: 0.5102
Epoch 151/200
267/267 [=====] - 1s 3ms/step - loss: 20.3897 - auc_82:
0.5047 - val_loss: 29.9004 - val_auc_82: 0.5154
Epoch 152/200
267/267 [=====] - 1s 3ms/step - loss: 21.5860 - auc_82:
0.5051 - val_loss: 14.9830 - val_auc_82: 0.4908
Epoch 153/200
267/267 [=====] - 1s 3ms/step - loss: 19.2013 - auc_82:
0.5024 - val_loss: 22.1369 - val_auc_82: 0.4949
Epoch 154/200
267/267 [=====] - 1s 3ms/step - loss: 17.7034 - auc_82:
0.5074 - val_loss: 5.3873 - val_auc_82: 0.4933
Epoch 155/200

267/267 [=====] - 1s 3ms/step - loss: 17.2531 - auc_82:
0.5057 - val_loss: 27.0503 - val_auc_82: 0.4939
Epoch 156/200
267/267 [=====] - 1s 3ms/step - loss: 20.0573 - auc_82:
0.5055 - val_loss: 35.8966 - val_auc_82: 0.4900
Epoch 157/200
267/267 [=====] - 1s 3ms/step - loss: 20.8927 - auc_82:
0.5051 - val_loss: 15.5386 - val_auc_82: 0.4907
Epoch 158/200
267/267 [=====] - 1s 3ms/step - loss: 20.4679 - auc_82:
0.5020 - val_loss: 21.9500 - val_auc_82: 0.4970
Epoch 159/200
267/267 [=====] - 1s 3ms/step - loss: 17.1108 - auc_82:
0.5024 - val_loss: 7.8065 - val_auc_82: 0.5111
Epoch 160/200
267/267 [=====] - 1s 3ms/step - loss: 18.6232 - auc_82:
0.5032 - val_loss: 16.7078 - val_auc_82: 0.5055
Epoch 161/200
267/267 [=====] - 1s 3ms/step - loss: 21.6446 - auc_82:
0.5000 - val_loss: 13.1237 - val_auc_82: 0.5031
Epoch 162/200
267/267 [=====] - 1s 3ms/step - loss: 22.6817 - auc_82:
0.5017 - val_loss: 21.6715 - val_auc_82: 0.5072
Epoch 163/200
267/267 [=====] - 1s 3ms/step - loss: 16.8771 - auc_82:
0.5024 - val_loss: 17.9250 - val_auc_82: 0.4975
Epoch 164/200
267/267 [=====] - 1s 3ms/step - loss: 24.4339 - auc_82:
0.5026 - val_loss: 21.9601 - val_auc_82: 0.5107
Epoch 165/200
267/267 [=====] - 1s 3ms/step - loss: 20.1973 - auc_82:
0.5008 - val_loss: 19.9531 - val_auc_82: 0.4918
Epoch 166/200
267/267 [=====] - 1s 3ms/step - loss: 20.3062 - auc_82:
0.4982 - val_loss: 11.0397 - val_auc_82: 0.5087
Epoch 167/200
267/267 [=====] - 1s 3ms/step - loss: 22.6088 - auc_82:
0.5030 - val_loss: 45.2489 - val_auc_82: 0.4941
Epoch 168/200
267/267 [=====] - 1s 3ms/step - loss: 21.1633 - auc_82:
0.5045 - val_loss: 23.8572 - val_auc_82: 0.4938
Epoch 169/200
267/267 [=====] - 1s 3ms/step - loss: 17.3947 - auc_82:
0.5052 - val_loss: 17.5602 - val_auc_82: 0.4935
Epoch 170/200
267/267 [=====] - 1s 3ms/step - loss: 19.4667 - auc_82:
0.4987 - val_loss: 33.6498 - val_auc_82: 0.5130
Epoch 171/200

267/267 [=====] - 1s 3ms/step - loss: 17.3779 - auc_82:
 0.5027 - val_loss: 12.0507 - val_auc_82: 0.4933
 Epoch 172/200
 267/267 [=====] - 1s 3ms/step - loss: 23.2351 - auc_82:
 0.5054 - val_loss: 34.1471 - val_auc_82: 0.5109
 Epoch 173/200
 267/267 [=====] - 1s 3ms/step - loss: 25.3159 - auc_82:
 0.5035 - val_loss: 26.9340 - val_auc_82: 0.4997
 Epoch 174/200
 267/267 [=====] - 1s 3ms/step - loss: 23.1661 - auc_82:
 0.5050 - val_loss: 18.7735 - val_auc_82: 0.5044
 Epoch 175/200
 267/267 [=====] - 1s 3ms/step - loss: 16.9695 - auc_82:
 0.5049 - val_loss: 16.8435 - val_auc_82: 0.4883
 Epoch 176/200
 267/267 [=====] - 1s 3ms/step - loss: 22.3346 - auc_82:
 0.5017 - val_loss: 28.8018 - val_auc_82: 0.5002
 Epoch 177/200
 267/267 [=====] - 1s 3ms/step - loss: 21.8862 - auc_82:
 0.5023 - val_loss: 14.9312 - val_auc_82: 0.5066
 Epoch 178/200
 267/267 [=====] - 1s 3ms/step - loss: 16.5313 - auc_82:
 0.5053 - val_loss: 15.0574 - val_auc_82: 0.5064
 Epoch 179/200
 267/267 [=====] - 1s 3ms/step - loss: 19.5379 - auc_82:
 0.5043 - val_loss: 8.4736 - val_auc_82: 0.5053
 Epoch 180/200
 267/267 [=====] - 1s 3ms/step - loss: 19.3648 - auc_82:
 0.5103 - val_loss: 12.0746 - val_auc_82: 0.5055
 Epoch 181/200
 267/267 [=====] - 1s 3ms/step - loss: 18.3274 - auc_82:
 0.5024 - val_loss: 20.1178 - val_auc_82: 0.5126
 Epoch 182/200
 267/267 [=====] - 1s 3ms/step - loss: 18.6293 - auc_82:
 0.5000 - val_loss: 18.6117 - val_auc_82: 0.5073
 Epoch 183/200
 267/267 [=====] - 1s 3ms/step - loss: 16.7126 - auc_82:
 0.4995 - val_loss: 13.3803 - val_auc_82: 0.5057
 Epoch 184/200
 267/267 [=====] - 1s 3ms/step - loss: 15.7574 - auc_82:
 0.5028 - val_loss: 8.8816 - val_auc_82: 0.4948
 Epoch 185/200
 267/267 [=====] - 1s 3ms/step - loss: 19.9949 - auc_82:
 0.5026 - val_loss: 17.4743 - val_auc_82: 0.5070
 Epoch 186/200
 267/267 [=====] - 1s 3ms/step - loss: 20.5827 - auc_82:
 0.5034 - val_loss: 19.9894 - val_auc_82: 0.4925
 Epoch 187/200

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267/267 [=====] - 1s 3ms/step - loss: 17.9155 - auc_82:
0.5002 - val_loss: 23.6119 - val_auc_82: 0.5050
Epoch 188/200
267/267 [=====] - 1s 3ms/step - loss: 21.6414 - auc_82:
0.5058 - val_loss: 20.4583 - val_auc_82: 0.4988
Epoch 189/200
267/267 [=====] - 1s 3ms/step - loss: 21.6958 - auc_82:
0.5057 - val_loss: 35.5450 - val_auc_82: 0.4983
Epoch 190/200
267/267 [=====] - 1s 3ms/step - loss: 16.4674 - auc_82:
0.5002 - val_loss: 26.0801 - val_auc_82: 0.5101
Epoch 191/200
267/267 [=====] - 1s 3ms/step - loss: 19.0158 - auc_82:
0.5024 - val_loss: 22.2006 - val_auc_82: 0.4932
Epoch 192/200
267/267 [=====] - 1s 3ms/step - loss: 16.7785 - auc_82:
0.4996 - val_loss: 17.2570 - val_auc_82: 0.4931
Epoch 193/200
267/267 [=====] - 1s 3ms/step - loss: 16.1464 - auc_82:
0.5035 - val_loss: 11.5451 - val_auc_82: 0.5025
Epoch 194/200
267/267 [=====] - 1s 3ms/step - loss: 20.0939 - auc_82:
0.5001 - val_loss: 18.9188 - val_auc_82: 0.4985
Epoch 195/200
267/267 [=====] - 1s 3ms/step - loss: 20.9682 - auc_82:
0.5055 - val_loss: 13.2438 - val_auc_82: 0.4957
Epoch 196/200
267/267 [=====] - 1s 3ms/step - loss: 23.0018 - auc_82:
0.5008 - val_loss: 18.4323 - val_auc_82: 0.5126
Epoch 197/200
267/267 [=====] - 1s 3ms/step - loss: 19.8621 - auc_82:
0.5019 - val_loss: 31.4255 - val_auc_82: 0.4963
Epoch 198/200
267/267 [=====] - 1s 3ms/step - loss: 18.9002 - auc_82:
0.5009 - val_loss: 13.9904 - val_auc_82: 0.4999
Epoch 199/200
267/267 [=====] - 1s 3ms/step - loss: 17.7027 - auc_82:
0.5068 - val_loss: 17.8784 - val_auc_82: 0.5051
Epoch 200/200
267/267 [=====] - 1s 3ms/step - loss: 19.8292 - auc_82:
0.5022 - val_loss: 18.7164 - val_auc_82: 0.4938
625/625 [=====] - 0s 549us/step
[CV] ... epochs=200, learning_rate=0.1, score=0.499, total= 2.6min
[CV] epochs=200, learning_rate=0.1 ...
Epoch 1/200
267/267 [=====] - 1s 4ms/step - loss: 20.2179 - auc_83:
0.4947 - val_loss: 8.6288 - val_auc_83: 0.4918
Epoch 2/200

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267/267 [=====] - 1s 3ms/step - loss: 23.6449 - auc_83:
0.5005 - val_loss: 17.1589 - val_auc_83: 0.5102
Epoch 3/200
267/267 [=====] - 1s 3ms/step - loss: 18.4972 - auc_83:
0.5017 - val_loss: 20.6054 - val_auc_83: 0.5144
Epoch 4/200
267/267 [=====] - 1s 3ms/step - loss: 17.3991 - auc_83:
0.5021 - val_loss: 9.3417 - val_auc_83: 0.5063
Epoch 5/200
267/267 [=====] - 1s 3ms/step - loss: 21.1834 - auc_83:
0.5027 - val_loss: 19.5296 - val_auc_83: 0.4946
Epoch 6/200
267/267 [=====] - 1s 3ms/step - loss: 22.2882 - auc_83:
0.5024 - val_loss: 17.0136 - val_auc_83: 0.4998
Epoch 7/200
267/267 [=====] - 1s 3ms/step - loss: 19.8071 - auc_83:
0.5027 - val_loss: 50.1506 - val_auc_83: 0.5075
Epoch 8/200
267/267 [=====] - 1s 3ms/step - loss: 21.2041 - auc_83:
0.5026 - val_loss: 21.2026 - val_auc_83: 0.5126
Epoch 9/200
267/267 [=====] - 1s 3ms/step - loss: 19.4816 - auc_83:
0.5020 - val_loss: 22.2951 - val_auc_83: 0.4994
Epoch 10/200
267/267 [=====] - 1s 3ms/step - loss: 18.9382 - auc_83:
0.5002 - val_loss: 19.4833 - val_auc_83: 0.4929
Epoch 11/200
267/267 [=====] - 1s 3ms/step - loss: 16.9876 - auc_83:
0.4976 - val_loss: 16.3856 - val_auc_83: 0.5129
Epoch 12/200
267/267 [=====] - 1s 3ms/step - loss: 16.9292 - auc_83:
0.5053 - val_loss: 12.6285 - val_auc_83: 0.4927
Epoch 13/200
267/267 [=====] - 1s 3ms/step - loss: 19.7742 - auc_83:
0.5005 - val_loss: 22.5423 - val_auc_83: 0.4996
Epoch 14/200
267/267 [=====] - 1s 3ms/step - loss: 17.3015 - auc_83:
0.4999 - val_loss: 8.4378 - val_auc_83: 0.5048
Epoch 15/200
267/267 [=====] - 1s 3ms/step - loss: 19.0045 - auc_83:
0.5030 - val_loss: 18.8386 - val_auc_83: 0.5021
Epoch 16/200
267/267 [=====] - 1s 3ms/step - loss: 19.5568 - auc_83:
0.5060 - val_loss: 10.1705 - val_auc_83: 0.4991
Epoch 17/200
267/267 [=====] - 1s 3ms/step - loss: 24.1330 - auc_83:
0.5026 - val_loss: 23.2385 - val_auc_83: 0.4858
Epoch 18/200

267/267 [=====] - 1s 3ms/step - loss: 19.9874 - auc_83:
 0.5055 - val_loss: 18.8935 - val_auc_83: 0.5075
 Epoch 19/200
 267/267 [=====] - 1s 3ms/step - loss: 18.2181 - auc_83:
 0.5001 - val_loss: 30.4614 - val_auc_83: 0.5018
 Epoch 20/200
 267/267 [=====] - 1s 3ms/step - loss: 21.6234 - auc_83:
 0.5044 - val_loss: 27.9134 - val_auc_83: 0.5117
 Epoch 21/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9247 - auc_83:
 0.5032 - val_loss: 30.7249 - val_auc_83: 0.4980
 Epoch 22/200
 267/267 [=====] - 1s 3ms/step - loss: 21.7674 - auc_83:
 0.4990 - val_loss: 15.6125 - val_auc_83: 0.4885
 Epoch 23/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9021 - auc_83:
 0.5011 - val_loss: 54.4864 - val_auc_83: 0.5090
 Epoch 24/200
 267/267 [=====] - 1s 3ms/step - loss: 22.7778 - auc_83:
 0.5006 - val_loss: 24.7740 - val_auc_83: 0.4941
 Epoch 25/200
 267/267 [=====] - 1s 3ms/step - loss: 20.2565 - auc_83:
 0.5025 - val_loss: 34.6370 - val_auc_83: 0.5092
 Epoch 26/200
 267/267 [=====] - 1s 3ms/step - loss: 20.7879 - auc_83:
 0.5043 - val_loss: 7.9362 - val_auc_83: 0.5146
 Epoch 27/200
 267/267 [=====] - 1s 3ms/step - loss: 15.8074 - auc_83:
 0.5015 - val_loss: 15.4602 - val_auc_83: 0.5094
 Epoch 28/200
 267/267 [=====] - 1s 3ms/step - loss: 21.2406 - auc_83:
 0.5068 - val_loss: 19.6528 - val_auc_83: 0.4886
 Epoch 29/200
 267/267 [=====] - 1s 3ms/step - loss: 20.6024 - auc_83:
 0.5030 - val_loss: 18.3034 - val_auc_83: 0.4960
 Epoch 30/200
 267/267 [=====] - 1s 3ms/step - loss: 20.1928 - auc_83:
 0.5044 - val_loss: 17.0184 - val_auc_83: 0.5163
 Epoch 31/200
 267/267 [=====] - 1s 3ms/step - loss: 21.0824 - auc_83:
 0.5073 - val_loss: 12.2754 - val_auc_83: 0.5026
 Epoch 32/200
 267/267 [=====] - 1s 3ms/step - loss: 21.8249 - auc_83:
 0.5042 - val_loss: 10.5763 - val_auc_83: 0.5069
 Epoch 33/200
 267/267 [=====] - 1s 3ms/step - loss: 19.0481 - auc_83:
 0.5027 - val_loss: 14.6955 - val_auc_83: 0.5015
 Epoch 34/200

267/267 [=====] - 1s 3ms/step - loss: 23.1483 - auc_83:
 0.4984 - val_loss: 33.4063 - val_auc_83: 0.4968
 Epoch 35/200
 267/267 [=====] - 1s 3ms/step - loss: 18.2713 - auc_83:
 0.5005 - val_loss: 14.2147 - val_auc_83: 0.4988
 Epoch 36/200
 267/267 [=====] - 1s 3ms/step - loss: 19.7045 - auc_83:
 0.5038 - val_loss: 13.2785 - val_auc_83: 0.4979
 Epoch 37/200
 267/267 [=====] - 1s 3ms/step - loss: 19.5500 - auc_83:
 0.5036 - val_loss: 36.8972 - val_auc_83: 0.4920
 Epoch 38/200
 267/267 [=====] - 1s 3ms/step - loss: 22.8792 - auc_83:
 0.4991 - val_loss: 49.2963 - val_auc_83: 0.5135
 Epoch 39/200
 267/267 [=====] - 1s 3ms/step - loss: 22.0321 - auc_83:
 0.5041 - val_loss: 11.4702 - val_auc_83: 0.5043
 Epoch 40/200
 267/267 [=====] - 1s 3ms/step - loss: 20.5035 - auc_83:
 0.5045 - val_loss: 32.1836 - val_auc_83: 0.5025
 Epoch 41/200
 267/267 [=====] - 1s 3ms/step - loss: 21.0074 - auc_83:
 0.5007 - val_loss: 10.3716 - val_auc_83: 0.5059
 Epoch 42/200
 267/267 [=====] - 1s 3ms/step - loss: 17.6670 - auc_83:
 0.5036 - val_loss: 15.9652 - val_auc_83: 0.5059
 Epoch 43/200
 267/267 [=====] - 1s 3ms/step - loss: 18.3893 - auc_83:
 0.4999 - val_loss: 11.7841 - val_auc_83: 0.5023
 Epoch 44/200
 267/267 [=====] - 1s 3ms/step - loss: 20.1147 - auc_83:
 0.5030 - val_loss: 17.3778 - val_auc_83: 0.4934
 Epoch 45/200
 267/267 [=====] - 1s 3ms/step - loss: 19.8390 - auc_83:
 0.5058 - val_loss: 13.9407 - val_auc_83: 0.4885
 Epoch 46/200
 267/267 [=====] - 1s 3ms/step - loss: 22.2666 - auc_83:
 0.5035 - val_loss: 43.3430 - val_auc_83: 0.4884
 Epoch 47/200
 267/267 [=====] - 1s 3ms/step - loss: 20.3319 - auc_83:
 0.5019 - val_loss: 9.5195 - val_auc_83: 0.4998
 Epoch 48/200
 267/267 [=====] - 1s 3ms/step - loss: 17.1110 - auc_83:
 0.4984 - val_loss: 26.6842 - val_auc_83: 0.5087
 Epoch 49/200
 267/267 [=====] - 1s 3ms/step - loss: 28.0205 - auc_83:
 0.5041 - val_loss: 23.8847 - val_auc_83: 0.5066
 Epoch 50/200

267/267 [=====] - 1s 3ms/step - loss: 17.4247 - auc_83:
 0.5038 - val_loss: 15.2188 - val_auc_83: 0.4941
 Epoch 51/200
 267/267 [=====] - 1s 3ms/step - loss: 24.2838 - auc_83:
 0.5011 - val_loss: 25.9361 - val_auc_83: 0.4965
 Epoch 52/200
 267/267 [=====] - 1s 3ms/step - loss: 20.7370 - auc_83:
 0.5034 - val_loss: 15.5506 - val_auc_83: 0.5012
 Epoch 53/200
 267/267 [=====] - 1s 3ms/step - loss: 20.1385 - auc_83:
 0.5066 - val_loss: 27.1370 - val_auc_83: 0.5134
 Epoch 54/200
 267/267 [=====] - 1s 3ms/step - loss: 18.5408 - auc_83:
 0.4980 - val_loss: 22.6538 - val_auc_83: 0.5167
 Epoch 55/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9054 - auc_83:
 0.5034 - val_loss: 12.5314 - val_auc_83: 0.5000
 Epoch 56/200
 267/267 [=====] - 1s 3ms/step - loss: 17.7021 - auc_83:
 0.5017 - val_loss: 7.7602 - val_auc_83: 0.5076
 Epoch 57/200
 267/267 [=====] - 1s 3ms/step - loss: 19.1227 - auc_83:
 0.5047 - val_loss: 33.5884 - val_auc_83: 0.5054
 Epoch 58/200
 267/267 [=====] - 1s 3ms/step - loss: 21.2951 - auc_83:
 0.5006 - val_loss: 8.8529 - val_auc_83: 0.4980
 Epoch 59/200
 267/267 [=====] - 1s 3ms/step - loss: 17.7324 - auc_83:
 0.5049 - val_loss: 42.3685 - val_auc_83: 0.4932
 Epoch 60/200
 267/267 [=====] - 1s 3ms/step - loss: 21.7475 - auc_83:
 0.5027 - val_loss: 11.4382 - val_auc_83: 0.4983
 Epoch 61/200
 267/267 [=====] - 1s 3ms/step - loss: 17.1392 - auc_83:
 0.5001 - val_loss: 21.5994 - val_auc_83: 0.5121
 Epoch 62/200
 267/267 [=====] - 1s 3ms/step - loss: 24.3060 - auc_83:
 0.4984 - val_loss: 13.6067 - val_auc_83: 0.5024
 Epoch 63/200
 267/267 [=====] - 1s 3ms/step - loss: 17.7424 - auc_83:
 0.5032 - val_loss: 9.6270 - val_auc_83: 0.4961
 Epoch 64/200
 267/267 [=====] - 1s 3ms/step - loss: 16.4518 - auc_83:
 0.5009 - val_loss: 20.3848 - val_auc_83: 0.5036
 Epoch 65/200
 267/267 [=====] - 1s 3ms/step - loss: 16.8206 - auc_83:
 0.5031 - val_loss: 10.4551 - val_auc_83: 0.4937
 Epoch 66/200

267/267 [=====] - 1s 3ms/step - loss: 21.7645 - auc_83:
0.5020 - val_loss: 25.4468 - val_auc_83: 0.5178
Epoch 67/200
267/267 [=====] - 1s 3ms/step - loss: 19.7956 - auc_83:
0.5044 - val_loss: 16.1268 - val_auc_83: 0.5110
Epoch 68/200
267/267 [=====] - 1s 3ms/step - loss: 21.8346 - auc_83:
0.5028 - val_loss: 27.7223 - val_auc_83: 0.5034
Epoch 69/200
267/267 [=====] - 1s 3ms/step - loss: 19.4355 - auc_83:
0.4997 - val_loss: 21.2199 - val_auc_83: 0.5026
Epoch 70/200
267/267 [=====] - 1s 3ms/step - loss: 15.3968 - auc_83:
0.5002 - val_loss: 33.0529 - val_auc_83: 0.4918
Epoch 71/200
267/267 [=====] - 1s 3ms/step - loss: 18.3531 - auc_83:
0.5039 - val_loss: 19.7141 - val_auc_83: 0.4916
Epoch 72/200
267/267 [=====] - 1s 3ms/step - loss: 18.6542 - auc_83:
0.5045 - val_loss: 16.9186 - val_auc_83: 0.5127
Epoch 73/200
267/267 [=====] - 1s 3ms/step - loss: 19.9839 - auc_83:
0.5024 - val_loss: 22.7315 - val_auc_83: 0.5072
Epoch 74/200
267/267 [=====] - 1s 3ms/step - loss: 19.7986 - auc_83:
0.5054 - val_loss: 22.0489 - val_auc_83: 0.5041
Epoch 75/200
267/267 [=====] - 1s 3ms/step - loss: 21.2845 - auc_83:
0.5024 - val_loss: 20.2841 - val_auc_83: 0.4938
Epoch 76/200
267/267 [=====] - 1s 3ms/step - loss: 23.3476 - auc_83:
0.5034 - val_loss: 25.0520 - val_auc_83: 0.4898
Epoch 77/200
267/267 [=====] - 1s 3ms/step - loss: 20.3453 - auc_83:
0.5013 - val_loss: 21.0872 - val_auc_83: 0.4989
Epoch 78/200
267/267 [=====] - 1s 3ms/step - loss: 23.4129 - auc_83:
0.5068 - val_loss: 56.7815 - val_auc_83: 0.5060
Epoch 79/200
267/267 [=====] - 1s 3ms/step - loss: 24.8197 - auc_83:
0.5037 - val_loss: 21.0441 - val_auc_83: 0.4883
Epoch 80/200
267/267 [=====] - 1s 3ms/step - loss: 21.5683 - auc_83:
0.5029 - val_loss: 33.2532 - val_auc_83: 0.4910
Epoch 81/200
267/267 [=====] - 1s 3ms/step - loss: 20.1847 - auc_83:
0.5043 - val_loss: 34.2437 - val_auc_83: 0.5121
Epoch 82/200

267/267 [=====] - 1s 3ms/step - loss: 17.2031 - auc_83:
0.5037 - val_loss: 17.1382 - val_auc_83: 0.5079
Epoch 83/200
267/267 [=====] - 1s 3ms/step - loss: 22.8318 - auc_83:
0.5022 - val_loss: 16.1232 - val_auc_83: 0.5005
Epoch 84/200
267/267 [=====] - 1s 3ms/step - loss: 18.5397 - auc_83:
0.5038 - val_loss: 16.8912 - val_auc_83: 0.5034
Epoch 85/200
267/267 [=====] - 1s 3ms/step - loss: 20.3147 - auc_83:
0.5015 - val_loss: 15.3105 - val_auc_83: 0.5117
Epoch 86/200
267/267 [=====] - 1s 3ms/step - loss: 18.8925 - auc_83:
0.5023 - val_loss: 28.9876 - val_auc_83: 0.5018
Epoch 87/200
267/267 [=====] - 1s 3ms/step - loss: 20.1463 - auc_83:
0.5004 - val_loss: 18.1341 - val_auc_83: 0.5011
Epoch 88/200
267/267 [=====] - 1s 3ms/step - loss: 21.2818 - auc_83:
0.5019 - val_loss: 24.1806 - val_auc_83: 0.5002
Epoch 89/200
267/267 [=====] - 1s 3ms/step - loss: 17.7735 - auc_83:
0.5066 - val_loss: 46.9669 - val_auc_83: 0.5098
Epoch 90/200
267/267 [=====] - 1s 3ms/step - loss: 17.0910 - auc_83:
0.5038 - val_loss: 16.4172 - val_auc_83: 0.4991
Epoch 91/200
267/267 [=====] - 1s 3ms/step - loss: 23.2302 - auc_83:
0.5016 - val_loss: 7.1132 - val_auc_83: 0.4896
Epoch 92/200
267/267 [=====] - 1s 3ms/step - loss: 17.4907 - auc_83:
0.5044 - val_loss: 15.4474 - val_auc_83: 0.4938
Epoch 93/200
267/267 [=====] - 1s 3ms/step - loss: 20.6823 - auc_83:
0.5026 - val_loss: 25.4723 - val_auc_83: 0.5055
Epoch 94/200
267/267 [=====] - 1s 3ms/step - loss: 19.9111 - auc_83:
0.4987 - val_loss: 12.9349 - val_auc_83: 0.5012
Epoch 95/200
267/267 [=====] - 1s 3ms/step - loss: 19.2717 - auc_83:
0.4991 - val_loss: 34.3083 - val_auc_83: 0.5140
Epoch 96/200
267/267 [=====] - 1s 3ms/step - loss: 22.7403 - auc_83:
0.5030 - val_loss: 22.9254 - val_auc_83: 0.5078
Epoch 97/200
267/267 [=====] - 1s 3ms/step - loss: 22.2108 - auc_83:
0.5010 - val_loss: 13.1891 - val_auc_83: 0.4997
Epoch 98/200

267/267 [=====] - 1s 3ms/step - loss: 19.4689 - auc_83:
 0.5056 - val_loss: 14.5660 - val_auc_83: 0.5124
 Epoch 99/200
 267/267 [=====] - 1s 3ms/step - loss: 17.4973 - auc_83:
 0.4996 - val_loss: 20.0574 - val_auc_83: 0.4966
 Epoch 100/200
 267/267 [=====] - 1s 3ms/step - loss: 18.8137 - auc_83:
 0.5026 - val_loss: 19.1073 - val_auc_83: 0.5054
 Epoch 101/200
 267/267 [=====] - 1s 3ms/step - loss: 20.2256 - auc_83:
 0.5038 - val_loss: 19.7943 - val_auc_83: 0.5080
 Epoch 102/200
 267/267 [=====] - 1s 3ms/step - loss: 21.3875 - auc_83:
 0.5013 - val_loss: 15.2704 - val_auc_83: 0.5101
 Epoch 103/200
 267/267 [=====] - 1s 3ms/step - loss: 22.2561 - auc_83:
 0.5049 - val_loss: 20.1539 - val_auc_83: 0.5012
 Epoch 104/200
 267/267 [=====] - 1s 3ms/step - loss: 17.2098 - auc_83:
 0.5013 - val_loss: 17.5326 - val_auc_83: 0.4944
 Epoch 105/200
 267/267 [=====] - 1s 3ms/step - loss: 15.7220 - auc_83:
 0.5056 - val_loss: 8.3277 - val_auc_83: 0.4947
 Epoch 106/200
 267/267 [=====] - 1s 3ms/step - loss: 17.9614 - auc_83:
 0.5024 - val_loss: 21.4398 - val_auc_83: 0.4963
 Epoch 107/200
 267/267 [=====] - 1s 3ms/step - loss: 16.6049 - auc_83:
 0.5009 - val_loss: 17.7026 - val_auc_83: 0.5014
 Epoch 108/200
 267/267 [=====] - 1s 3ms/step - loss: 20.1404 - auc_83:
 0.5036 - val_loss: 9.4456 - val_auc_83: 0.5072
 Epoch 109/200
 267/267 [=====] - 1s 3ms/step - loss: 20.3921 - auc_83:
 0.5016 - val_loss: 28.2676 - val_auc_83: 0.5004
 Epoch 110/200
 267/267 [=====] - 1s 3ms/step - loss: 19.0653 - auc_83:
 0.5028 - val_loss: 10.0710 - val_auc_83: 0.5001
 Epoch 111/200
 267/267 [=====] - 1s 3ms/step - loss: 18.6039 - auc_83:
 0.4998 - val_loss: 15.3501 - val_auc_83: 0.4944
 Epoch 112/200
 267/267 [=====] - 1s 3ms/step - loss: 19.9434 - auc_83:
 0.4985 - val_loss: 16.0727 - val_auc_83: 0.5058
 Epoch 113/200
 267/267 [=====] - 1s 3ms/step - loss: 14.5734 - auc_83:
 0.5043 - val_loss: 13.5002 - val_auc_83: 0.4955
 Epoch 114/200

267/267 [=====] - 1s 3ms/step - loss: 16.2342 - auc_83:
0.5017 - val_loss: 17.3735 - val_auc_83: 0.5043
Epoch 115/200
267/267 [=====] - 1s 3ms/step - loss: 18.6559 - auc_83:
0.5018 - val_loss: 12.4239 - val_auc_83: 0.5057
Epoch 116/200
267/267 [=====] - 1s 3ms/step - loss: 20.3368 - auc_83:
0.5011 - val_loss: 16.9442 - val_auc_83: 0.5094
Epoch 117/200
267/267 [=====] - 1s 3ms/step - loss: 21.4385 - auc_83:
0.5041 - val_loss: 13.7273 - val_auc_83: 0.4928
Epoch 118/200
267/267 [=====] - 1s 3ms/step - loss: 19.5116 - auc_83:
0.4993 - val_loss: 29.8983 - val_auc_83: 0.4941
Epoch 119/200
267/267 [=====] - 1s 3ms/step - loss: 21.1990 - auc_83:
0.5008 - val_loss: 11.7669 - val_auc_83: 0.4999
Epoch 120/200
267/267 [=====] - 1s 3ms/step - loss: 20.6621 - auc_83:
0.5051 - val_loss: 45.7705 - val_auc_83: 0.5058
Epoch 121/200
267/267 [=====] - 1s 3ms/step - loss: 17.1107 - auc_83:
0.5074 - val_loss: 39.9257 - val_auc_83: 0.5068
Epoch 122/200
267/267 [=====] - 1s 3ms/step - loss: 19.5437 - auc_83:
0.5022 - val_loss: 13.8993 - val_auc_83: 0.5039
Epoch 123/200
267/267 [=====] - 1s 3ms/step - loss: 18.6354 - auc_83:
0.5026 - val_loss: 11.7256 - val_auc_83: 0.5059
Epoch 124/200
267/267 [=====] - 1s 3ms/step - loss: 19.5571 - auc_83:
0.5036 - val_loss: 14.0895 - val_auc_83: 0.5114
Epoch 125/200
267/267 [=====] - 1s 3ms/step - loss: 18.9529 - auc_83:
0.5003 - val_loss: 15.7983 - val_auc_83: 0.4998
Epoch 126/200
267/267 [=====] - 1s 3ms/step - loss: 19.2475 - auc_83:
0.5046 - val_loss: 12.8194 - val_auc_83: 0.5045
Epoch 127/200
267/267 [=====] - 1s 3ms/step - loss: 17.3659 - auc_83:
0.5007 - val_loss: 17.9687 - val_auc_83: 0.5017
Epoch 128/200
267/267 [=====] - 1s 3ms/step - loss: 20.2473 - auc_83:
0.5046 - val_loss: 29.7790 - val_auc_83: 0.4926
Epoch 129/200
267/267 [=====] - 1s 3ms/step - loss: 21.4186 - auc_83:
0.5032 - val_loss: 25.5450 - val_auc_83: 0.4993
Epoch 130/200

267/267 [=====] - 1s 3ms/step - loss: 19.3168 - auc_83:
 0.5023 - val_loss: 39.5312 - val_auc_83: 0.5068
 Epoch 131/200
 267/267 [=====] - 1s 3ms/step - loss: 18.2295 - auc_83:
 0.5013 - val_loss: 19.7768 - val_auc_83: 0.4976
 Epoch 132/200
 267/267 [=====] - 1s 3ms/step - loss: 17.1311 - auc_83:
 0.5010 - val_loss: 23.5306 - val_auc_83: 0.5114
 Epoch 133/200
 267/267 [=====] - 1s 3ms/step - loss: 18.6958 - auc_83:
 0.5045 - val_loss: 15.8126 - val_auc_83: 0.5097
 Epoch 134/200
 267/267 [=====] - 1s 3ms/step - loss: 21.0452 - auc_83:
 0.5007 - val_loss: 10.2338 - val_auc_83: 0.5018
 Epoch 135/200
 267/267 [=====] - 1s 3ms/step - loss: 18.4792 - auc_83:
 0.5027 - val_loss: 22.8233 - val_auc_83: 0.4892
 Epoch 136/200
 267/267 [=====] - 1s 3ms/step - loss: 20.0531 - auc_83:
 0.5046 - val_loss: 24.6616 - val_auc_83: 0.5103
 Epoch 137/200
 267/267 [=====] - 1s 3ms/step - loss: 20.8823 - auc_83:
 0.5043 - val_loss: 14.7685 - val_auc_83: 0.4921
 Epoch 138/200
 267/267 [=====] - 1s 3ms/step - loss: 18.4930 - auc_83:
 0.5021 - val_loss: 19.3403 - val_auc_83: 0.5056
 Epoch 139/200
 267/267 [=====] - 1s 3ms/step - loss: 17.8461 - auc_83:
 0.5035 - val_loss: 26.7449 - val_auc_83: 0.4835
 Epoch 140/200
 267/267 [=====] - 1s 3ms/step - loss: 20.2057 - auc_83:
 0.5042 - val_loss: 18.1787 - val_auc_83: 0.4997
 Epoch 141/200
 267/267 [=====] - 1s 3ms/step - loss: 18.7406 - auc_83:
 0.4984 - val_loss: 37.9375 - val_auc_83: 0.4958
 Epoch 142/200
 267/267 [=====] - 1s 3ms/step - loss: 17.7852 - auc_83:
 0.4991 - val_loss: 12.4117 - val_auc_83: 0.5061
 Epoch 143/200
 267/267 [=====] - 1s 3ms/step - loss: 19.9680 - auc_83:
 0.5007 - val_loss: 11.6917 - val_auc_83: 0.4941
 Epoch 144/200
 267/267 [=====] - 1s 3ms/step - loss: 20.2618 - auc_83:
 0.5016 - val_loss: 16.1628 - val_auc_83: 0.4959
 Epoch 145/200
 267/267 [=====] - 1s 3ms/step - loss: 17.9283 - auc_83:
 0.4998 - val_loss: 7.8154 - val_auc_83: 0.4925
 Epoch 146/200

267/267 [=====] - 1s 3ms/step - loss: 26.5172 - auc_83:
 0.5040 - val_loss: 16.3992 - val_auc_83: 0.5008
 Epoch 147/200
 267/267 [=====] - 1s 3ms/step - loss: 19.8040 - auc_83:
 0.5002 - val_loss: 11.7250 - val_auc_83: 0.5078
 Epoch 148/200
 267/267 [=====] - 1s 3ms/step - loss: 21.8639 - auc_83:
 0.5015 - val_loss: 12.6910 - val_auc_83: 0.5052
 Epoch 149/200
 267/267 [=====] - 1s 3ms/step - loss: 18.6805 - auc_83:
 0.5019 - val_loss: 6.1784 - val_auc_83: 0.5029
 Epoch 150/200
 267/267 [=====] - 1s 3ms/step - loss: 18.7874 - auc_83:
 0.5007 - val_loss: 37.0965 - val_auc_83: 0.5042
 Epoch 151/200
 267/267 [=====] - 1s 3ms/step - loss: 17.6407 - auc_83:
 0.5044 - val_loss: 14.7500 - val_auc_83: 0.4990
 Epoch 152/200
 267/267 [=====] - 1s 3ms/step - loss: 18.8748 - auc_83:
 0.5044 - val_loss: 21.0313 - val_auc_83: 0.5050
 Epoch 153/200
 267/267 [=====] - 1s 3ms/step - loss: 15.6974 - auc_83:
 0.5031 - val_loss: 10.1680 - val_auc_83: 0.5080
 Epoch 154/200
 267/267 [=====] - 1s 3ms/step - loss: 20.2779 - auc_83:
 0.5028 - val_loss: 20.3574 - val_auc_83: 0.4965
 Epoch 155/200
 267/267 [=====] - 1s 3ms/step - loss: 18.8746 - auc_83:
 0.5033 - val_loss: 15.3414 - val_auc_83: 0.5034
 Epoch 156/200
 267/267 [=====] - 1s 3ms/step - loss: 18.2387 - auc_83:
 0.5021 - val_loss: 16.9839 - val_auc_83: 0.5010
 Epoch 157/200
 267/267 [=====] - 1s 3ms/step - loss: 18.6092 - auc_83:
 0.5047 - val_loss: 15.3055 - val_auc_83: 0.4927
 Epoch 158/200
 267/267 [=====] - 1s 3ms/step - loss: 17.7963 - auc_83:
 0.5048 - val_loss: 10.3251 - val_auc_83: 0.4900
 Epoch 159/200
 267/267 [=====] - 1s 3ms/step - loss: 19.4267 - auc_83:
 0.5030 - val_loss: 10.1124 - val_auc_83: 0.5037
 Epoch 160/200
 267/267 [=====] - 1s 3ms/step - loss: 19.1626 - auc_83:
 0.5041 - val_loss: 25.1409 - val_auc_83: 0.5020
 Epoch 161/200
 267/267 [=====] - 1s 3ms/step - loss: 19.5713 - auc_83:
 0.4995 - val_loss: 39.2899 - val_auc_83: 0.5006
 Epoch 162/200

267/267 [=====] - 1s 3ms/step - loss: 19.6996 - auc_83:
 0.5056 - val_loss: 26.9652 - val_auc_83: 0.5123
 Epoch 163/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9908 - auc_83:
 0.5053 - val_loss: 18.6109 - val_auc_83: 0.5049
 Epoch 164/200
 267/267 [=====] - 1s 3ms/step - loss: 26.7722 - auc_83:
 0.5012 - val_loss: 21.1332 - val_auc_83: 0.4994
 Epoch 165/200
 267/267 [=====] - 1s 3ms/step - loss: 26.2201 - auc_83:
 0.4972 - val_loss: 12.3075 - val_auc_83: 0.5152
 Epoch 166/200
 267/267 [=====] - 1s 3ms/step - loss: 20.3948 - auc_83:
 0.5035 - val_loss: 19.8205 - val_auc_83: 0.5044
 Epoch 167/200
 267/267 [=====] - 1s 3ms/step - loss: 22.2556 - auc_83:
 0.5018 - val_loss: 35.4205 - val_auc_83: 0.5103
 Epoch 168/200
 267/267 [=====] - 1s 3ms/step - loss: 24.1503 - auc_83:
 0.5028 - val_loss: 18.3039 - val_auc_83: 0.4915
 Epoch 169/200
 267/267 [=====] - 1s 3ms/step - loss: 23.0610 - auc_83:
 0.5030 - val_loss: 35.2180 - val_auc_83: 0.4896
 Epoch 170/200
 267/267 [=====] - 1s 3ms/step - loss: 21.1227 - auc_83:
 0.5010 - val_loss: 22.1448 - val_auc_83: 0.5078
 Epoch 171/200
 267/267 [=====] - 1s 3ms/step - loss: 17.3139 - auc_83:
 0.5041 - val_loss: 18.7515 - val_auc_83: 0.5025
 Epoch 172/200
 267/267 [=====] - 1s 3ms/step - loss: 22.9048 - auc_83:
 0.5001 - val_loss: 27.8666 - val_auc_83: 0.5017
 Epoch 173/200
 267/267 [=====] - 1s 3ms/step - loss: 18.0910 - auc_83:
 0.5036 - val_loss: 15.1044 - val_auc_83: 0.5074
 Epoch 174/200
 267/267 [=====] - 1s 3ms/step - loss: 16.9468 - auc_83:
 0.5048 - val_loss: 12.1359 - val_auc_83: 0.5046
 Epoch 175/200
 267/267 [=====] - 1s 3ms/step - loss: 20.6903 - auc_83:
 0.5032 - val_loss: 16.7463 - val_auc_83: 0.5082
 Epoch 176/200
 267/267 [=====] - 1s 3ms/step - loss: 17.9851 - auc_83:
 0.5046 - val_loss: 8.3431 - val_auc_83: 0.4888
 Epoch 177/200
 267/267 [=====] - 1s 3ms/step - loss: 17.4954 - auc_83:
 0.5000 - val_loss: 5.0604 - val_auc_83: 0.5071
 Epoch 178/200

267/267 [=====] - 1s 3ms/step - loss: 21.0808 - auc_83:
0.5009 - val_loss: 14.6736 - val_auc_83: 0.5100
Epoch 179/200
267/267 [=====] - 1s 3ms/step - loss: 16.6334 - auc_83:
0.5069 - val_loss: 12.8900 - val_auc_83: 0.5109
Epoch 180/200
267/267 [=====] - 1s 3ms/step - loss: 21.2815 - auc_83:
0.5052 - val_loss: 12.0138 - val_auc_83: 0.5185
Epoch 181/200
267/267 [=====] - 1s 3ms/step - loss: 21.9101 - auc_83:
0.5077 - val_loss: 17.3636 - val_auc_83: 0.5003
Epoch 182/200
267/267 [=====] - 1s 3ms/step - loss: 20.1184 - auc_83:
0.5006 - val_loss: 32.9492 - val_auc_83: 0.5037
Epoch 183/200
267/267 [=====] - 1s 3ms/step - loss: 19.4809 - auc_83:
0.5036 - val_loss: 16.9555 - val_auc_83: 0.4952
Epoch 184/200
267/267 [=====] - 1s 3ms/step - loss: 17.4727 - auc_83:
0.5023 - val_loss: 42.0293 - val_auc_83: 0.4957
Epoch 185/200
267/267 [=====] - 1s 3ms/step - loss: 18.6663 - auc_83:
0.5046 - val_loss: 9.7523 - val_auc_83: 0.4949
Epoch 186/200
267/267 [=====] - 1s 3ms/step - loss: 19.4813 - auc_83:
0.5018 - val_loss: 12.6904 - val_auc_83: 0.5011
Epoch 187/200
267/267 [=====] - 1s 3ms/step - loss: 16.8184 - auc_83:
0.5047 - val_loss: 8.1133 - val_auc_83: 0.4954
Epoch 188/200
267/267 [=====] - 1s 3ms/step - loss: 19.1263 - auc_83:
0.5060 - val_loss: 25.4808 - val_auc_83: 0.5107
Epoch 189/200
267/267 [=====] - 1s 3ms/step - loss: 23.1655 - auc_83:
0.4976 - val_loss: 20.6423 - val_auc_83: 0.4995
Epoch 190/200
267/267 [=====] - 1s 3ms/step - loss: 16.9571 - auc_83:
0.5027 - val_loss: 29.3134 - val_auc_83: 0.5029
Epoch 191/200
267/267 [=====] - 1s 3ms/step - loss: 21.7640 - auc_83:
0.5039 - val_loss: 32.7505 - val_auc_83: 0.5004
Epoch 192/200
267/267 [=====] - 1s 3ms/step - loss: 19.8147 - auc_83:
0.5063 - val_loss: 24.8268 - val_auc_83: 0.4967
Epoch 193/200
267/267 [=====] - 1s 3ms/step - loss: 22.5771 - auc_83:
0.4994 - val_loss: 19.2007 - val_auc_83: 0.4986
Epoch 194/200

267/267 [=====] - 1s 3ms/step - loss: 18.1205 - auc_83:
 0.5026 - val_loss: 14.2072 - val_auc_83: 0.4936
 Epoch 195/200
 267/267 [=====] - 1s 3ms/step - loss: 16.5262 - auc_83:
 0.5024 - val_loss: 38.4693 - val_auc_83: 0.5056
 Epoch 196/200
 267/267 [=====] - 1s 3ms/step - loss: 22.6474 - auc_83:
 0.5057 - val_loss: 25.7932 - val_auc_83: 0.5065
 Epoch 197/200
 267/267 [=====] - 1s 3ms/step - loss: 19.0366 - auc_83:
 0.5028 - val_loss: 20.9920 - val_auc_83: 0.5025
 Epoch 198/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9975 - auc_83:
 0.4986 - val_loss: 15.4145 - val_auc_83: 0.4923
 Epoch 199/200
 267/267 [=====] - 1s 3ms/step - loss: 17.6441 - auc_83:
 0.5032 - val_loss: 13.7998 - val_auc_83: 0.5011
 Epoch 200/200
 267/267 [=====] - 1s 3ms/step - loss: 22.1174 - auc_83:
 0.4998 - val_loss: 30.9655 - val_auc_83: 0.4994
 625/625 [=====] - 0s 546us/step
 [CV] ... epochs=200, learning_rate=0.1, score=0.508, total= 2.5min
 [CV] epochs=200, learning_rate=0.1 ...
 Epoch 1/200
 267/267 [=====] - 1s 4ms/step - loss: 23.4752 - auc_84:
 0.4988 - val_loss: 10.1964 - val_auc_84: 0.5093
 Epoch 2/200
 267/267 [=====] - 1s 3ms/step - loss: 19.9345 - auc_84:
 0.5014 - val_loss: 17.5241 - val_auc_84: 0.4955
 Epoch 3/200
 267/267 [=====] - 1s 3ms/step - loss: 17.7735 - auc_84:
 0.5001 - val_loss: 6.6566 - val_auc_84: 0.5035
 Epoch 4/200
 267/267 [=====] - 1s 3ms/step - loss: 17.5526 - auc_84:
 0.5063 - val_loss: 20.2890 - val_auc_84: 0.4997
 Epoch 5/200
 267/267 [=====] - 1s 3ms/step - loss: 19.7627 - auc_84:
 0.5052 - val_loss: 39.5319 - val_auc_84: 0.4978
 Epoch 6/200
 267/267 [=====] - 1s 3ms/step - loss: 19.0281 - auc_84:
 0.5034 - val_loss: 12.0212 - val_auc_84: 0.4988
 Epoch 7/200
 267/267 [=====] - 1s 3ms/step - loss: 17.5313 - auc_84:
 0.5036 - val_loss: 22.6023 - val_auc_84: 0.4933
 Epoch 8/200
 267/267 [=====] - 1s 3ms/step - loss: 21.7297 - auc_84:
 0.5029 - val_loss: 6.4873 - val_auc_84: 0.5096
 Epoch 9/200

267/267 [=====] - 1s 3ms/step - loss: 21.3266 - auc_84:
0.5018 - val_loss: 13.0211 - val_auc_84: 0.4951
Epoch 10/200
267/267 [=====] - 1s 3ms/step - loss: 17.7159 - auc_84:
0.5020 - val_loss: 13.3828 - val_auc_84: 0.5057
Epoch 11/200
267/267 [=====] - 1s 3ms/step - loss: 18.8414 - auc_84:
0.5001 - val_loss: 23.5398 - val_auc_84: 0.5078
Epoch 12/200
267/267 [=====] - 1s 3ms/step - loss: 22.6935 - auc_84:
0.5015 - val_loss: 36.8151 - val_auc_84: 0.5108
Epoch 13/200
267/267 [=====] - 1s 3ms/step - loss: 23.9229 - auc_84:
0.5018 - val_loss: 20.7322 - val_auc_84: 0.5051
Epoch 14/200
267/267 [=====] - 1s 3ms/step - loss: 19.7155 - auc_84:
0.5030 - val_loss: 9.4737 - val_auc_84: 0.5091
Epoch 15/200
267/267 [=====] - 1s 3ms/step - loss: 16.9199 - auc_84:
0.4985 - val_loss: 5.8474 - val_auc_84: 0.5103
Epoch 16/200
267/267 [=====] - 1s 3ms/step - loss: 17.0507 - auc_84:
0.5020 - val_loss: 26.2210 - val_auc_84: 0.4970
Epoch 17/200
267/267 [=====] - 1s 3ms/step - loss: 20.2971 - auc_84:
0.5033 - val_loss: 46.0251 - val_auc_84: 0.4971
Epoch 18/200
267/267 [=====] - 1s 3ms/step - loss: 24.0125 - auc_84:
0.5007 - val_loss: 18.9914 - val_auc_84: 0.5000
Epoch 19/200
267/267 [=====] - 1s 3ms/step - loss: 20.1386 - auc_84:
0.5020 - val_loss: 27.8357 - val_auc_84: 0.5048
Epoch 20/200
267/267 [=====] - 1s 3ms/step - loss: 19.3352 - auc_84:
0.5011 - val_loss: 34.3058 - val_auc_84: 0.5087
Epoch 21/200
267/267 [=====] - 1s 3ms/step - loss: 18.3110 - auc_84:
0.5065 - val_loss: 8.0741 - val_auc_84: 0.4946
Epoch 22/200
267/267 [=====] - 1s 3ms/step - loss: 22.1799 - auc_84:
0.5020 - val_loss: 15.5131 - val_auc_84: 0.4985
Epoch 23/200
267/267 [=====] - 1s 3ms/step - loss: 20.2937 - auc_84:
0.5011 - val_loss: 8.5581 - val_auc_84: 0.5102
Epoch 24/200
267/267 [=====] - 1s 3ms/step - loss: 20.8138 - auc_84:
0.5037 - val_loss: 25.2246 - val_auc_84: 0.4958
Epoch 25/200

267/267 [=====] - 1s 3ms/step - loss: 16.8529 - auc_84:
0.5009 - val_loss: 14.9749 - val_auc_84: 0.4882
Epoch 26/200
267/267 [=====] - 1s 3ms/step - loss: 20.9509 - auc_84:
0.4992 - val_loss: 13.6705 - val_auc_84: 0.4976
Epoch 27/200
267/267 [=====] - 1s 3ms/step - loss: 19.3429 - auc_84:
0.5026 - val_loss: 17.7270 - val_auc_84: 0.4883
Epoch 28/200
267/267 [=====] - 1s 3ms/step - loss: 24.9540 - auc_84:
0.4999 - val_loss: 8.4797 - val_auc_84: 0.4836
Epoch 29/200
267/267 [=====] - 1s 3ms/step - loss: 17.9347 - auc_84:
0.5033 - val_loss: 17.9799 - val_auc_84: 0.4984
Epoch 30/200
267/267 [=====] - 1s 3ms/step - loss: 22.4650 - auc_84:
0.5015 - val_loss: 29.5507 - val_auc_84: 0.5044
Epoch 31/200
267/267 [=====] - 1s 3ms/step - loss: 18.6186 - auc_84:
0.5014 - val_loss: 10.5319 - val_auc_84: 0.4969
Epoch 32/200
267/267 [=====] - 1s 3ms/step - loss: 21.5690 - auc_84:
0.5017 - val_loss: 21.9351 - val_auc_84: 0.4893
Epoch 33/200
267/267 [=====] - 1s 3ms/step - loss: 20.1211 - auc_84:
0.5023 - val_loss: 8.3033 - val_auc_84: 0.5009
Epoch 34/200
267/267 [=====] - 1s 3ms/step - loss: 19.1506 - auc_84:
0.5003 - val_loss: 48.9194 - val_auc_84: 0.5093
Epoch 35/200
267/267 [=====] - 1s 3ms/step - loss: 19.4933 - auc_84:
0.5040 - val_loss: 15.5341 - val_auc_84: 0.5004
Epoch 36/200
267/267 [=====] - 1s 3ms/step - loss: 26.1391 - auc_84:
0.5033 - val_loss: 12.2551 - val_auc_84: 0.4976
Epoch 37/200
267/267 [=====] - 1s 3ms/step - loss: 19.6377 - auc_84:
0.5034 - val_loss: 19.0209 - val_auc_84: 0.5073
Epoch 38/200
267/267 [=====] - 1s 3ms/step - loss: 16.6386 - auc_84:
0.5037 - val_loss: 24.4951 - val_auc_84: 0.5044
Epoch 39/200
267/267 [=====] - 1s 3ms/step - loss: 20.0176 - auc_84:
0.5021 - val_loss: 39.8375 - val_auc_84: 0.5002
Epoch 40/200
267/267 [=====] - 1s 3ms/step - loss: 21.6362 - auc_84:
0.5037 - val_loss: 11.2054 - val_auc_84: 0.5073
Epoch 41/200

267/267 [=====] - 1s 3ms/step - loss: 16.5844 - auc_84:
0.5049 - val_loss: 19.8009 - val_auc_84: 0.5049
Epoch 42/200
267/267 [=====] - 1s 3ms/step - loss: 20.9766 - auc_84:
0.5010 - val_loss: 15.4210 - val_auc_84: 0.4868
Epoch 43/200
267/267 [=====] - 1s 3ms/step - loss: 17.3526 - auc_84:
0.5004 - val_loss: 15.7932 - val_auc_84: 0.4976
Epoch 44/200
267/267 [=====] - 1s 3ms/step - loss: 18.4480 - auc_84:
0.5018 - val_loss: 14.6379 - val_auc_84: 0.4973
Epoch 45/200
267/267 [=====] - 1s 3ms/step - loss: 19.2938 - auc_84:
0.5018 - val_loss: 12.3639 - val_auc_84: 0.4992
Epoch 46/200
267/267 [=====] - 1s 3ms/step - loss: 19.4817 - auc_84:
0.4986 - val_loss: 25.8182 - val_auc_84: 0.5105
Epoch 47/200
267/267 [=====] - 1s 3ms/step - loss: 17.4456 - auc_84:
0.5012 - val_loss: 22.8343 - val_auc_84: 0.4926
Epoch 48/200
267/267 [=====] - 1s 3ms/step - loss: 20.5956 - auc_84:
0.5029 - val_loss: 41.2070 - val_auc_84: 0.5031
Epoch 49/200
267/267 [=====] - 1s 3ms/step - loss: 20.9682 - auc_84:
0.4995 - val_loss: 31.8453 - val_auc_84: 0.5084
Epoch 50/200
267/267 [=====] - 1s 3ms/step - loss: 21.3020 - auc_84:
0.5070 - val_loss: 30.6975 - val_auc_84: 0.5053
Epoch 51/200
267/267 [=====] - 1s 3ms/step - loss: 23.7377 - auc_84:
0.5027 - val_loss: 29.3280 - val_auc_84: 0.4953
Epoch 52/200
267/267 [=====] - 1s 3ms/step - loss: 18.0249 - auc_84:
0.5021 - val_loss: 11.1279 - val_auc_84: 0.5094
Epoch 53/200
267/267 [=====] - 1s 3ms/step - loss: 18.6015 - auc_84:
0.5059 - val_loss: 8.0289 - val_auc_84: 0.4998
Epoch 54/200
267/267 [=====] - 1s 3ms/step - loss: 17.9097 - auc_84:
0.5026 - val_loss: 28.4155 - val_auc_84: 0.4995
Epoch 55/200
267/267 [=====] - 1s 3ms/step - loss: 17.0471 - auc_84:
0.5023 - val_loss: 14.9069 - val_auc_84: 0.4990
Epoch 56/200
267/267 [=====] - 1s 3ms/step - loss: 23.1804 - auc_84:
0.4995 - val_loss: 29.4180 - val_auc_84: 0.5035
Epoch 57/200

267/267 [=====] - 1s 3ms/step - loss: 19.0981 - auc_84:
0.5019 - val_loss: 13.9440 - val_auc_84: 0.5010
Epoch 58/200
267/267 [=====] - 1s 3ms/step - loss: 18.2738 - auc_84:
0.5004 - val_loss: 15.1331 - val_auc_84: 0.5035
Epoch 59/200
267/267 [=====] - 1s 3ms/step - loss: 18.9463 - auc_84:
0.5014 - val_loss: 11.7652 - val_auc_84: 0.4989
Epoch 60/200
267/267 [=====] - 1s 3ms/step - loss: 23.2114 - auc_84:
0.5018 - val_loss: 13.7869 - val_auc_84: 0.4915
Epoch 61/200
267/267 [=====] - 1s 3ms/step - loss: 20.2452 - auc_84:
0.5043 - val_loss: 9.9737 - val_auc_84: 0.5092
Epoch 62/200
267/267 [=====] - 1s 3ms/step - loss: 22.6235 - auc_84:
0.4998 - val_loss: 19.7763 - val_auc_84: 0.4901
Epoch 63/200
267/267 [=====] - 1s 3ms/step - loss: 20.9017 - auc_84:
0.5046 - val_loss: 46.2112 - val_auc_84: 0.5032
Epoch 64/200
267/267 [=====] - 1s 3ms/step - loss: 17.9810 - auc_84:
0.5038 - val_loss: 11.6243 - val_auc_84: 0.5056
Epoch 65/200
267/267 [=====] - 1s 3ms/step - loss: 22.3529 - auc_84:
0.5028 - val_loss: 17.2317 - val_auc_84: 0.5069
Epoch 66/200
267/267 [=====] - 1s 3ms/step - loss: 24.4391 - auc_84:
0.5022 - val_loss: 12.0873 - val_auc_84: 0.4963
Epoch 67/200
267/267 [=====] - 1s 3ms/step - loss: 20.4592 - auc_84:
0.5014 - val_loss: 6.6351 - val_auc_84: 0.4977
Epoch 68/200
267/267 [=====] - 1s 3ms/step - loss: 18.0976 - auc_84:
0.5032 - val_loss: 10.8821 - val_auc_84: 0.5080
Epoch 69/200
267/267 [=====] - 1s 3ms/step - loss: 16.5799 - auc_84:
0.5012 - val_loss: 17.1707 - val_auc_84: 0.4996
Epoch 70/200
267/267 [=====] - 1s 3ms/step - loss: 19.7055 - auc_84:
0.5056 - val_loss: 22.3491 - val_auc_84: 0.4960
Epoch 71/200
267/267 [=====] - 1s 3ms/step - loss: 21.8873 - auc_84:
0.4999 - val_loss: 46.2644 - val_auc_84: 0.4874
Epoch 72/200
267/267 [=====] - 1s 3ms/step - loss: 20.6050 - auc_84:
0.5010 - val_loss: 24.8294 - val_auc_84: 0.5112
Epoch 73/200

267/267 [=====] - 1s 3ms/step - loss: 17.0203 - auc_84:
0.5044 - val_loss: 30.7437 - val_auc_84: 0.5005
Epoch 74/200
267/267 [=====] - 1s 3ms/step - loss: 21.6639 - auc_84:
0.5041 - val_loss: 13.9490 - val_auc_84: 0.5070
Epoch 75/200
267/267 [=====] - 1s 3ms/step - loss: 22.0598 - auc_84:
0.5045 - val_loss: 70.1061 - val_auc_84: 0.4875
Epoch 76/200
267/267 [=====] - 1s 3ms/step - loss: 28.8142 - auc_84:
0.5003 - val_loss: 27.2511 - val_auc_84: 0.4950
Epoch 77/200
267/267 [=====] - 1s 3ms/step - loss: 24.5241 - auc_84:
0.5036 - val_loss: 29.8532 - val_auc_84: 0.4982
Epoch 78/200
267/267 [=====] - 1s 3ms/step - loss: 17.1203 - auc_84:
0.5047 - val_loss: 14.6752 - val_auc_84: 0.5121
Epoch 79/200
267/267 [=====] - 1s 3ms/step - loss: 17.0099 - auc_84:
0.5005 - val_loss: 16.6284 - val_auc_84: 0.4887
Epoch 80/200
267/267 [=====] - 1s 3ms/step - loss: 17.5728 - auc_84:
0.4992 - val_loss: 20.4312 - val_auc_84: 0.4909
Epoch 81/200
267/267 [=====] - 1s 3ms/step - loss: 20.1332 - auc_84:
0.5040 - val_loss: 19.2363 - val_auc_84: 0.4907
Epoch 82/200
267/267 [=====] - 1s 3ms/step - loss: 23.3542 - auc_84:
0.5055 - val_loss: 27.4968 - val_auc_84: 0.4912
Epoch 83/200
267/267 [=====] - 1s 3ms/step - loss: 22.6345 - auc_84:
0.5026 - val_loss: 13.6814 - val_auc_84: 0.4897
Epoch 84/200
267/267 [=====] - 1s 3ms/step - loss: 18.8583 - auc_84:
0.5043 - val_loss: 33.5189 - val_auc_84: 0.5027
Epoch 85/200
267/267 [=====] - 1s 3ms/step - loss: 19.6363 - auc_84:
0.5013 - val_loss: 14.4855 - val_auc_84: 0.5048
Epoch 86/200
267/267 [=====] - 1s 3ms/step - loss: 21.3801 - auc_84:
0.5042 - val_loss: 18.0252 - val_auc_84: 0.5000
Epoch 87/200
267/267 [=====] - 1s 3ms/step - loss: 20.5782 - auc_84:
0.5016 - val_loss: 24.4631 - val_auc_84: 0.5030
Epoch 88/200
267/267 [=====] - 1s 3ms/step - loss: 17.7324 - auc_84:
0.5020 - val_loss: 18.8090 - val_auc_84: 0.5006
Epoch 89/200

267/267 [=====] - 1s 3ms/step - loss: 17.9254 - auc_84:
0.5034 - val_loss: 25.4383 - val_auc_84: 0.5057
Epoch 90/200
267/267 [=====] - 1s 3ms/step - loss: 19.0048 - auc_84:
0.5027 - val_loss: 20.2995 - val_auc_84: 0.4965
Epoch 91/200
267/267 [=====] - 1s 3ms/step - loss: 20.3240 - auc_84:
0.5034 - val_loss: 24.3443 - val_auc_84: 0.5106
Epoch 92/200
267/267 [=====] - 1s 3ms/step - loss: 17.7500 - auc_84:
0.5045 - val_loss: 13.4807 - val_auc_84: 0.4988
Epoch 93/200
267/267 [=====] - 1s 3ms/step - loss: 20.4529 - auc_84:
0.5026 - val_loss: 34.7085 - val_auc_84: 0.4976
Epoch 94/200
267/267 [=====] - 1s 3ms/step - loss: 19.9712 - auc_84:
0.5004 - val_loss: 7.0381 - val_auc_84: 0.4953
Epoch 95/200
267/267 [=====] - 1s 3ms/step - loss: 18.9629 - auc_84:
0.5008 - val_loss: 14.9019 - val_auc_84: 0.4899
Epoch 96/200
267/267 [=====] - 1s 3ms/step - loss: 19.3520 - auc_84:
0.5040 - val_loss: 34.0939 - val_auc_84: 0.5018
Epoch 97/200
267/267 [=====] - 1s 3ms/step - loss: 18.5643 - auc_84:
0.4994 - val_loss: 10.3232 - val_auc_84: 0.4997
Epoch 98/200
267/267 [=====] - 1s 3ms/step - loss: 21.9345 - auc_84:
0.5006 - val_loss: 27.3050 - val_auc_84: 0.4946
Epoch 99/200
267/267 [=====] - 1s 3ms/step - loss: 18.8962 - auc_84:
0.5039 - val_loss: 35.6508 - val_auc_84: 0.5011
Epoch 100/200
267/267 [=====] - 1s 3ms/step - loss: 23.3445 - auc_84:
0.5037 - val_loss: 16.2419 - val_auc_84: 0.4859
Epoch 101/200
267/267 [=====] - 1s 3ms/step - loss: 19.3614 - auc_84:
0.5034 - val_loss: 20.5774 - val_auc_84: 0.5134
Epoch 102/200
267/267 [=====] - 1s 3ms/step - loss: 20.1570 - auc_84:
0.5007 - val_loss: 20.8834 - val_auc_84: 0.5066
Epoch 103/200
267/267 [=====] - 1s 3ms/step - loss: 16.4091 - auc_84:
0.5027 - val_loss: 18.1850 - val_auc_84: 0.5082
Epoch 104/200
267/267 [=====] - 1s 3ms/step - loss: 16.4650 - auc_84:
0.5022 - val_loss: 13.1965 - val_auc_84: 0.5046
Epoch 105/200

267/267 [=====] - 1s 3ms/step - loss: 22.4113 - auc_84:
 0.5025 - val_loss: 20.3605 - val_auc_84: 0.4922
 Epoch 106/200
 267/267 [=====] - 1s 3ms/step - loss: 19.6313 - auc_84:
 0.5046 - val_loss: 17.6077 - val_auc_84: 0.5079
 Epoch 107/200
 267/267 [=====] - 1s 3ms/step - loss: 18.3168 - auc_84:
 0.5001 - val_loss: 17.6878 - val_auc_84: 0.4969
 Epoch 108/200
 267/267 [=====] - 1s 3ms/step - loss: 18.5204 - auc_84:
 0.5021 - val_loss: 13.2383 - val_auc_84: 0.5161
 Epoch 109/200
 267/267 [=====] - 1s 3ms/step - loss: 19.5162 - auc_84:
 0.5007 - val_loss: 8.2625 - val_auc_84: 0.4985
 Epoch 110/200
 267/267 [=====] - 1s 3ms/step - loss: 19.1613 - auc_84:
 0.5016 - val_loss: 22.6569 - val_auc_84: 0.5012
 Epoch 111/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9249 - auc_84:
 0.4997 - val_loss: 10.3845 - val_auc_84: 0.5109
 Epoch 112/200
 267/267 [=====] - 1s 3ms/step - loss: 19.1961 - auc_84:
 0.5025 - val_loss: 13.2106 - val_auc_84: 0.5092
 Epoch 113/200
 267/267 [=====] - 1s 3ms/step - loss: 19.7913 - auc_84:
 0.5012 - val_loss: 11.8851 - val_auc_84: 0.5023
 Epoch 114/200
 267/267 [=====] - 1s 3ms/step - loss: 22.0222 - auc_84:
 0.5023 - val_loss: 42.3935 - val_auc_84: 0.4992
 Epoch 115/200
 267/267 [=====] - 1s 3ms/step - loss: 17.4703 - auc_84:
 0.5024 - val_loss: 30.8931 - val_auc_84: 0.5068
 Epoch 116/200
 267/267 [=====] - 1s 3ms/step - loss: 19.3572 - auc_84:
 0.5025 - val_loss: 6.9721 - val_auc_84: 0.5121
 Epoch 117/200
 267/267 [=====] - 1s 3ms/step - loss: 17.4519 - auc_84:
 0.5007 - val_loss: 13.5308 - val_auc_84: 0.5072
 Epoch 118/200
 267/267 [=====] - 1s 3ms/step - loss: 17.8324 - auc_84:
 0.5030 - val_loss: 53.3209 - val_auc_84: 0.5066
 Epoch 119/200
 267/267 [=====] - 1s 3ms/step - loss: 22.0822 - auc_84:
 0.5026 - val_loss: 33.2163 - val_auc_84: 0.4975
 Epoch 120/200
 267/267 [=====] - 1s 3ms/step - loss: 19.2525 - auc_84:
 0.5018 - val_loss: 16.4308 - val_auc_84: 0.5143
 Epoch 121/200

267/267 [=====] - 1s 3ms/step - loss: 18.9190 - auc_84:
 0.5011 - val_loss: 25.6096 - val_auc_84: 0.4962
 Epoch 122/200
 267/267 [=====] - 1s 3ms/step - loss: 19.5584 - auc_84:
 0.5007 - val_loss: 15.9723 - val_auc_84: 0.5072
 Epoch 123/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9485 - auc_84:
 0.5008 - val_loss: 13.3757 - val_auc_84: 0.5156
 Epoch 124/200
 267/267 [=====] - 1s 3ms/step - loss: 16.8556 - auc_84:
 0.4987 - val_loss: 15.1902 - val_auc_84: 0.4966
 Epoch 125/200
 267/267 [=====] - 1s 3ms/step - loss: 20.6512 - auc_84:
 0.5003 - val_loss: 17.4462 - val_auc_84: 0.5036
 Epoch 126/200
 267/267 [=====] - 1s 3ms/step - loss: 19.8107 - auc_84:
 0.5034 - val_loss: 20.2808 - val_auc_84: 0.5139
 Epoch 127/200
 267/267 [=====] - 1s 3ms/step - loss: 19.6339 - auc_84:
 0.5031 - val_loss: 11.9554 - val_auc_84: 0.5063
 Epoch 128/200
 267/267 [=====] - 1s 3ms/step - loss: 22.6047 - auc_84:
 0.5051 - val_loss: 22.3362 - val_auc_84: 0.4973
 Epoch 129/200
 267/267 [=====] - 1s 3ms/step - loss: 23.9890 - auc_84:
 0.5032 - val_loss: 25.6308 - val_auc_84: 0.4898
 Epoch 130/200
 267/267 [=====] - 1s 3ms/step - loss: 18.1558 - auc_84:
 0.5033 - val_loss: 10.7353 - val_auc_84: 0.4941
 Epoch 131/200
 267/267 [=====] - 1s 3ms/step - loss: 20.7173 - auc_84:
 0.4967 - val_loss: 13.3153 - val_auc_84: 0.5040
 Epoch 132/200
 267/267 [=====] - 1s 3ms/step - loss: 17.6973 - auc_84:
 0.5026 - val_loss: 16.5471 - val_auc_84: 0.4971
 Epoch 133/200
 267/267 [=====] - 1s 3ms/step - loss: 19.3236 - auc_84:
 0.5059 - val_loss: 9.3558 - val_auc_84: 0.4973
 Epoch 134/200
 267/267 [=====] - 1s 3ms/step - loss: 21.0156 - auc_84:
 0.5015 - val_loss: 36.0968 - val_auc_84: 0.4890
 Epoch 135/200
 267/267 [=====] - 1s 3ms/step - loss: 21.3896 - auc_84:
 0.5059 - val_loss: 14.6938 - val_auc_84: 0.4990
 Epoch 136/200
 267/267 [=====] - 1s 3ms/step - loss: 21.5109 - auc_84:
 0.5016 - val_loss: 16.7030 - val_auc_84: 0.4997
 Epoch 137/200

267/267 [=====] - 1s 3ms/step - loss: 20.4289 - auc_84:
0.5045 - val_loss: 37.1213 - val_auc_84: 0.5098
Epoch 138/200
267/267 [=====] - 1s 3ms/step - loss: 21.1289 - auc_84:
0.5041 - val_loss: 15.7053 - val_auc_84: 0.5088
Epoch 139/200
267/267 [=====] - 1s 3ms/step - loss: 20.8752 - auc_84:
0.5029 - val_loss: 13.6476 - val_auc_84: 0.4936
Epoch 140/200
267/267 [=====] - 1s 3ms/step - loss: 17.0291 - auc_84:
0.5024 - val_loss: 6.4935 - val_auc_84: 0.4931
Epoch 141/200
267/267 [=====] - 1s 3ms/step - loss: 18.6163 - auc_84:
0.5033 - val_loss: 32.2497 - val_auc_84: 0.4907
Epoch 142/200
267/267 [=====] - 1s 3ms/step - loss: 16.9043 - auc_84:
0.5001 - val_loss: 16.8493 - val_auc_84: 0.5066
Epoch 143/200
267/267 [=====] - 1s 3ms/step - loss: 20.8689 - auc_84:
0.5050 - val_loss: 41.6727 - val_auc_84: 0.4905
Epoch 144/200
267/267 [=====] - 1s 3ms/step - loss: 20.4515 - auc_84:
0.5036 - val_loss: 12.6612 - val_auc_84: 0.4858
Epoch 145/200
267/267 [=====] - 1s 3ms/step - loss: 21.9373 - auc_84:
0.5012 - val_loss: 31.1030 - val_auc_84: 0.5011
Epoch 146/200
267/267 [=====] - 1s 3ms/step - loss: 17.5674 - auc_84:
0.5038 - val_loss: 25.7714 - val_auc_84: 0.4858
Epoch 147/200
267/267 [=====] - 1s 3ms/step - loss: 17.1512 - auc_84:
0.5013 - val_loss: 17.1366 - val_auc_84: 0.5000
Epoch 148/200
267/267 [=====] - 1s 3ms/step - loss: 17.3428 - auc_84:
0.5002 - val_loss: 9.9871 - val_auc_84: 0.4979
Epoch 149/200
267/267 [=====] - 1s 3ms/step - loss: 16.1927 - auc_84:
0.5000 - val_loss: 23.5882 - val_auc_84: 0.5049
Epoch 150/200
267/267 [=====] - 1s 3ms/step - loss: 23.7342 - auc_84:
0.5035 - val_loss: 25.5274 - val_auc_84: 0.4977
Epoch 151/200
267/267 [=====] - 1s 3ms/step - loss: 22.3741 - auc_84:
0.5047 - val_loss: 28.2907 - val_auc_84: 0.5062
Epoch 152/200
267/267 [=====] - 1s 3ms/step - loss: 17.0735 - auc_84:
0.5051 - val_loss: 26.4082 - val_auc_84: 0.4944
Epoch 153/200

267/267 [=====] - 1s 3ms/step - loss: 20.6644 - auc_84:
 0.5034 - val_loss: 11.6803 - val_auc_84: 0.4991
 Epoch 154/200
 267/267 [=====] - 1s 3ms/step - loss: 22.4875 - auc_84:
 0.5071 - val_loss: 30.8198 - val_auc_84: 0.5112
 Epoch 155/200
 267/267 [=====] - 1s 3ms/step - loss: 20.2744 - auc_84:
 0.5018 - val_loss: 16.5420 - val_auc_84: 0.4940
 Epoch 156/200
 267/267 [=====] - 1s 3ms/step - loss: 21.8928 - auc_84:
 0.5032 - val_loss: 49.0421 - val_auc_84: 0.4964
 Epoch 157/200
 267/267 [=====] - 1s 3ms/step - loss: 21.0355 - auc_84:
 0.5039 - val_loss: 14.0764 - val_auc_84: 0.5046
 Epoch 158/200
 267/267 [=====] - 1s 3ms/step - loss: 18.0446 - auc_84:
 0.5060 - val_loss: 10.5547 - val_auc_84: 0.5079
 Epoch 159/200
 267/267 [=====] - 1s 3ms/step - loss: 20.5305 - auc_84:
 0.5030 - val_loss: 12.8393 - val_auc_84: 0.4975
 Epoch 160/200
 267/267 [=====] - 1s 3ms/step - loss: 18.7353 - auc_84:
 0.5012 - val_loss: 14.4061 - val_auc_84: 0.4984
 Epoch 161/200
 267/267 [=====] - 1s 3ms/step - loss: 22.0949 - auc_84:
 0.5024 - val_loss: 22.5372 - val_auc_84: 0.5081
 Epoch 162/200
 267/267 [=====] - 1s 3ms/step - loss: 19.0672 - auc_84:
 0.5037 - val_loss: 17.6991 - val_auc_84: 0.5089
 Epoch 163/200
 267/267 [=====] - 1s 3ms/step - loss: 20.6458 - auc_84:
 0.5065 - val_loss: 18.8353 - val_auc_84: 0.4866
 Epoch 164/200
 267/267 [=====] - 1s 3ms/step - loss: 22.6294 - auc_84:
 0.5006 - val_loss: 16.9261 - val_auc_84: 0.4957
 Epoch 165/200
 267/267 [=====] - 1s 3ms/step - loss: 16.8344 - auc_84:
 0.5033 - val_loss: 13.2966 - val_auc_84: 0.5033
 Epoch 166/200
 267/267 [=====] - 1s 3ms/step - loss: 23.1272 - auc_84:
 0.5021 - val_loss: 22.9699 - val_auc_84: 0.5035
 Epoch 167/200
 267/267 [=====] - 1s 3ms/step - loss: 21.3758 - auc_84:
 0.4980 - val_loss: 27.4381 - val_auc_84: 0.5047
 Epoch 168/200
 267/267 [=====] - 1s 3ms/step - loss: 18.1763 - auc_84:
 0.4981 - val_loss: 24.4772 - val_auc_84: 0.5081
 Epoch 169/200

267/267 [=====] - 1s 3ms/step - loss: 17.8846 - auc_84:
 0.5063 - val_loss: 14.2077 - val_auc_84: 0.5017
 Epoch 170/200
 267/267 [=====] - 1s 3ms/step - loss: 24.5941 - auc_84:
 0.5028 - val_loss: 33.7066 - val_auc_84: 0.4914
 Epoch 171/200
 267/267 [=====] - 1s 3ms/step - loss: 17.5283 - auc_84:
 0.5021 - val_loss: 27.4809 - val_auc_84: 0.5029
 Epoch 172/200
 267/267 [=====] - 1s 3ms/step - loss: 17.6722 - auc_84:
 0.4979 - val_loss: 35.8377 - val_auc_84: 0.5044
 Epoch 173/200
 267/267 [=====] - 1s 3ms/step - loss: 20.3063 - auc_84:
 0.5076 - val_loss: 32.0866 - val_auc_84: 0.4858
 Epoch 174/200
 267/267 [=====] - 1s 3ms/step - loss: 17.9155 - auc_84:
 0.5037 - val_loss: 21.4670 - val_auc_84: 0.5016
 Epoch 175/200
 267/267 [=====] - 1s 3ms/step - loss: 21.6423 - auc_84:
 0.4989 - val_loss: 42.9860 - val_auc_84: 0.5014
 Epoch 176/200
 267/267 [=====] - 1s 3ms/step - loss: 23.1691 - auc_84:
 0.5025 - val_loss: 9.5974 - val_auc_84: 0.5055
 Epoch 177/200
 267/267 [=====] - 1s 3ms/step - loss: 25.6809 - auc_84:
 0.5007 - val_loss: 16.0981 - val_auc_84: 0.4942
 Epoch 178/200
 267/267 [=====] - 1s 3ms/step - loss: 18.2517 - auc_84:
 0.5037 - val_loss: 27.1488 - val_auc_84: 0.5006
 Epoch 179/200
 267/267 [=====] - 1s 3ms/step - loss: 22.9782 - auc_84:
 0.5010 - val_loss: 10.0720 - val_auc_84: 0.4863
 Epoch 180/200
 267/267 [=====] - 1s 3ms/step - loss: 20.9058 - auc_84:
 0.5017 - val_loss: 28.9391 - val_auc_84: 0.5019
 Epoch 181/200
 267/267 [=====] - 1s 3ms/step - loss: 20.7317 - auc_84:
 0.5025 - val_loss: 19.5084 - val_auc_84: 0.5013
 Epoch 182/200
 267/267 [=====] - 1s 3ms/step - loss: 18.5961 - auc_84:
 0.5027 - val_loss: 13.9414 - val_auc_84: 0.5077
 Epoch 183/200
 267/267 [=====] - 1s 3ms/step - loss: 17.9429 - auc_84:
 0.5021 - val_loss: 20.1718 - val_auc_84: 0.4950
 Epoch 184/200
 267/267 [=====] - 1s 3ms/step - loss: 17.3441 - auc_84:
 0.5072 - val_loss: 27.7560 - val_auc_84: 0.5092
 Epoch 185/200

267/267 [=====] - 1s 3ms/step - loss: 16.4371 - auc_84:
 0.5042 - val_loss: 20.8458 - val_auc_84: 0.5104
 Epoch 186/200
 267/267 [=====] - 1s 3ms/step - loss: 17.4037 - auc_84:
 0.5028 - val_loss: 14.7657 - val_auc_84: 0.5138
 Epoch 187/200
 267/267 [=====] - 1s 3ms/step - loss: 18.9499 - auc_84:
 0.5017 - val_loss: 17.7674 - val_auc_84: 0.5075
 Epoch 188/200
 267/267 [=====] - 1s 3ms/step - loss: 19.1537 - auc_84:
 0.5042 - val_loss: 17.4063 - val_auc_84: 0.5055
 Epoch 189/200
 267/267 [=====] - 1s 3ms/step - loss: 18.6091 - auc_84:
 0.5026 - val_loss: 5.5267 - val_auc_84: 0.5020
 Epoch 190/200
 267/267 [=====] - 1s 3ms/step - loss: 18.9736 - auc_84:
 0.5044 - val_loss: 16.0039 - val_auc_84: 0.5071
 Epoch 191/200
 267/267 [=====] - 1s 3ms/step - loss: 19.8404 - auc_84:
 0.5025 - val_loss: 21.0849 - val_auc_84: 0.4996
 Epoch 192/200
 267/267 [=====] - 1s 3ms/step - loss: 21.2558 - auc_84:
 0.5027 - val_loss: 19.4331 - val_auc_84: 0.4981
 Epoch 193/200
 267/267 [=====] - 1s 3ms/step - loss: 18.4503 - auc_84:
 0.4996 - val_loss: 18.1182 - val_auc_84: 0.5025
 Epoch 194/200
 267/267 [=====] - 1s 3ms/step - loss: 19.8680 - auc_84:
 0.5009 - val_loss: 13.1321 - val_auc_84: 0.4962
 Epoch 195/200
 267/267 [=====] - 1s 3ms/step - loss: 17.9759 - auc_84:
 0.5019 - val_loss: 6.5595 - val_auc_84: 0.5051
 Epoch 196/200
 267/267 [=====] - 1s 3ms/step - loss: 17.8056 - auc_84:
 0.4987 - val_loss: 17.6915 - val_auc_84: 0.4972
 Epoch 197/200
 267/267 [=====] - 1s 3ms/step - loss: 21.8510 - auc_84:
 0.5037 - val_loss: 51.4640 - val_auc_84: 0.4977
 Epoch 198/200
 267/267 [=====] - 1s 3ms/step - loss: 20.4460 - auc_84:
 0.5017 - val_loss: 11.3574 - val_auc_84: 0.4936
 Epoch 199/200
 267/267 [=====] - 1s 3ms/step - loss: 18.9166 - auc_84:
 0.5037 - val_loss: 20.1281 - val_auc_84: 0.5006
 Epoch 200/200
 267/267 [=====] - 1s 3ms/step - loss: 20.6433 - auc_84:
 0.5000 - val_loss: 35.3980 - val_auc_84: 0.4931
 625/625 [=====] - 0s 588us/step

```

[CV] ... epochs=200, learning_rate=0.1, score=0.505, total= 2.5min
[CV] epochs=200, learning_rate=0.1 ...
Epoch 1/200
267/267 [=====] - 1s 4ms/step - loss: 24.6612 - auc_85:
0.5005 - val_loss: 12.6953 - val_auc_85: 0.5143
Epoch 2/200
267/267 [=====] - 1s 3ms/step - loss: 15.8605 - auc_85:
0.5006 - val_loss: 13.6002 - val_auc_85: 0.5100
Epoch 3/200
267/267 [=====] - 1s 3ms/step - loss: 14.9667 - auc_85:
0.5060 - val_loss: 8.4391 - val_auc_85: 0.5037
Epoch 4/200
267/267 [=====] - 1s 3ms/step - loss: 25.4441 - auc_85:
0.5023 - val_loss: 15.0372 - val_auc_85: 0.5068
Epoch 5/200
267/267 [=====] - 1s 3ms/step - loss: 19.6979 - auc_85:
0.4988 - val_loss: 5.6145 - val_auc_85: 0.5114
Epoch 6/200
267/267 [=====] - 1s 3ms/step - loss: 15.9102 - auc_85:
0.5049 - val_loss: 18.8016 - val_auc_85: 0.4980
Epoch 7/200
267/267 [=====] - 1s 3ms/step - loss: 19.0802 - auc_85:
0.5030 - val_loss: 23.1376 - val_auc_85: 0.5109
Epoch 8/200
267/267 [=====] - 1s 3ms/step - loss: 18.3033 - auc_85:
0.5010 - val_loss: 9.5195 - val_auc_85: 0.5049
Epoch 9/200
267/267 [=====] - 1s 3ms/step - loss: 18.0801 - auc_85:
0.5003 - val_loss: 9.8830 - val_auc_85: 0.4906
Epoch 10/200
267/267 [=====] - 1s 3ms/step - loss: 18.4711 - auc_85:
0.5006 - val_loss: 14.3003 - val_auc_85: 0.4876
Epoch 11/200
267/267 [=====] - 1s 3ms/step - loss: 18.3555 - auc_85:
0.4994 - val_loss: 22.9128 - val_auc_85: 0.4965
Epoch 12/200
267/267 [=====] - 1s 3ms/step - loss: 18.3465 - auc_85:
0.5023 - val_loss: 20.8355 - val_auc_85: 0.5045
Epoch 13/200
267/267 [=====] - 1s 3ms/step - loss: 18.4322 - auc_85:
0.5013 - val_loss: 43.5033 - val_auc_85: 0.5120
Epoch 14/200
267/267 [=====] - 1s 3ms/step - loss: 25.8900 - auc_85:
0.5008 - val_loss: 24.4883 - val_auc_85: 0.5059
Epoch 15/200
267/267 [=====] - 1s 3ms/step - loss: 20.3547 - auc_85:
0.5015 - val_loss: 9.6621 - val_auc_85: 0.4961
Epoch 16/200

```


267/267 [=====] - 1s 3ms/step - loss: 18.9514 - auc_85:
0.5011 - val_loss: 25.8252 - val_auc_85: 0.4925
Epoch 17/200
267/267 [=====] - 1s 3ms/step - loss: 21.1637 - auc_85:
0.5023 - val_loss: 16.0478 - val_auc_85: 0.5126
Epoch 18/200
267/267 [=====] - 1s 3ms/step - loss: 19.3572 - auc_85:
0.5049 - val_loss: 19.9313 - val_auc_85: 0.5055
Epoch 19/200
267/267 [=====] - 1s 3ms/step - loss: 18.4726 - auc_85:
0.5053 - val_loss: 12.6203 - val_auc_85: 0.4864
Epoch 20/200
267/267 [=====] - 1s 3ms/step - loss: 19.2545 - auc_85:
0.4994 - val_loss: 34.4142 - val_auc_85: 0.4858
Epoch 21/200
267/267 [=====] - 1s 3ms/step - loss: 19.7382 - auc_85:
0.5031 - val_loss: 19.5701 - val_auc_85: 0.5027
Epoch 22/200
267/267 [=====] - 1s 3ms/step - loss: 16.6829 - auc_85:
0.5037 - val_loss: 14.1250 - val_auc_85: 0.4913
Epoch 23/200
267/267 [=====] - 1s 3ms/step - loss: 20.4441 - auc_85:
0.5036 - val_loss: 19.3202 - val_auc_85: 0.5008
Epoch 24/200
267/267 [=====] - 1s 3ms/step - loss: 18.1507 - auc_85:
0.5065 - val_loss: 18.1606 - val_auc_85: 0.5057
Epoch 25/200
267/267 [=====] - 1s 3ms/step - loss: 20.2886 - auc_85:
0.5048 - val_loss: 41.2726 - val_auc_85: 0.5050
Epoch 26/200
267/267 [=====] - 1s 3ms/step - loss: 22.0004 - auc_85:
0.5005 - val_loss: 72.3826 - val_auc_85: 0.5052
Epoch 27/200
267/267 [=====] - 1s 3ms/step - loss: 22.2139 - auc_85:
0.5038 - val_loss: 37.4567 - val_auc_85: 0.4984
Epoch 28/200
267/267 [=====] - 1s 3ms/step - loss: 21.2347 - auc_85:
0.5005 - val_loss: 9.7127 - val_auc_85: 0.4965
Epoch 29/200
267/267 [=====] - 1s 3ms/step - loss: 19.3575 - auc_85:
0.5009 - val_loss: 26.0543 - val_auc_85: 0.5042
Epoch 30/200
267/267 [=====] - 1s 3ms/step - loss: 17.7175 - auc_85:
0.5029 - val_loss: 16.6925 - val_auc_85: 0.4935
Epoch 31/200
267/267 [=====] - 1s 3ms/step - loss: 18.8139 - auc_85:
0.5041 - val_loss: 24.3575 - val_auc_85: 0.4918
Epoch 32/200

267/267 [=====] - 1s 3ms/step - loss: 20.3402 - auc_85:
0.5037 - val_loss: 11.4186 - val_auc_85: 0.5032
Epoch 33/200
267/267 [=====] - 1s 3ms/step - loss: 21.0620 - auc_85:
0.5044 - val_loss: 33.7796 - val_auc_85: 0.4870
Epoch 34/200
267/267 [=====] - 1s 3ms/step - loss: 22.2325 - auc_85:
0.5018 - val_loss: 36.9210 - val_auc_85: 0.4942
Epoch 35/200
267/267 [=====] - 1s 3ms/step - loss: 18.9727 - auc_85:
0.5048 - val_loss: 18.4277 - val_auc_85: 0.5036
Epoch 36/200
267/267 [=====] - 1s 3ms/step - loss: 19.0988 - auc_85:
0.5045 - val_loss: 16.9703 - val_auc_85: 0.5041
Epoch 37/200
267/267 [=====] - 1s 3ms/step - loss: 21.0358 - auc_85:
0.5020 - val_loss: 25.0463 - val_auc_85: 0.4956
Epoch 38/200
267/267 [=====] - 1s 3ms/step - loss: 19.4806 - auc_85:
0.5009 - val_loss: 4.7868 - val_auc_85: 0.5037
Epoch 39/200
267/267 [=====] - 1s 3ms/step - loss: 17.5230 - auc_85:
0.5067 - val_loss: 23.6700 - val_auc_85: 0.4979
Epoch 40/200
267/267 [=====] - 1s 3ms/step - loss: 18.8154 - auc_85:
0.5026 - val_loss: 9.6001 - val_auc_85: 0.5056
Epoch 41/200
267/267 [=====] - 1s 3ms/step - loss: 17.5939 - auc_85:
0.5057 - val_loss: 14.0359 - val_auc_85: 0.4951
Epoch 42/200
267/267 [=====] - 1s 3ms/step - loss: 20.4500 - auc_85:
0.5006 - val_loss: 36.4868 - val_auc_85: 0.4875
Epoch 43/200
267/267 [=====] - 1s 3ms/step - loss: 18.9592 - auc_85:
0.5025 - val_loss: 12.4814 - val_auc_85: 0.5049
Epoch 44/200
267/267 [=====] - 1s 3ms/step - loss: 19.6642 - auc_85:
0.5046 - val_loss: 25.8513 - val_auc_85: 0.4981
Epoch 45/200
267/267 [=====] - 1s 3ms/step - loss: 20.3146 - auc_85:
0.5047 - val_loss: 10.2817 - val_auc_85: 0.4951
Epoch 46/200
267/267 [=====] - 1s 3ms/step - loss: 21.2368 - auc_85:
0.5062 - val_loss: 27.1719 - val_auc_85: 0.5093
Epoch 47/200
267/267 [=====] - 1s 3ms/step - loss: 17.2445 - auc_85:
0.5018 - val_loss: 8.0470 - val_auc_85: 0.5151
Epoch 48/200

267/267 [=====] - 1s 3ms/step - loss: 21.1538 - auc_85:
0.4980 - val_loss: 44.3817 - val_auc_85: 0.4906
Epoch 49/200
267/267 [=====] - 1s 3ms/step - loss: 19.5880 - auc_85:
0.5020 - val_loss: 15.5862 - val_auc_85: 0.5063
Epoch 50/200
267/267 [=====] - 1s 3ms/step - loss: 21.7634 - auc_85:
0.5085 - val_loss: 20.4276 - val_auc_85: 0.5014
Epoch 51/200
267/267 [=====] - 1s 3ms/step - loss: 19.7486 - auc_85:
0.5056 - val_loss: 19.4257 - val_auc_85: 0.4930
Epoch 52/200
267/267 [=====] - 1s 3ms/step - loss: 17.2905 - auc_85:
0.5036 - val_loss: 9.7944 - val_auc_85: 0.5031
Epoch 53/200
267/267 [=====] - 1s 3ms/step - loss: 18.7476 - auc_85:
0.5030 - val_loss: 22.1964 - val_auc_85: 0.4970
Epoch 54/200
267/267 [=====] - 1s 3ms/step - loss: 19.0469 - auc_85:
0.5011 - val_loss: 9.0086 - val_auc_85: 0.5051
Epoch 55/200
267/267 [=====] - 1s 3ms/step - loss: 19.7943 - auc_85:
0.4998 - val_loss: 17.4876 - val_auc_85: 0.4988
Epoch 56/200
267/267 [=====] - 1s 3ms/step - loss: 18.9389 - auc_85:
0.5033 - val_loss: 12.5312 - val_auc_85: 0.4953
Epoch 57/200
267/267 [=====] - 1s 3ms/step - loss: 21.5940 - auc_85:
0.5012 - val_loss: 25.1067 - val_auc_85: 0.4980
Epoch 58/200
267/267 [=====] - 1s 3ms/step - loss: 18.8705 - auc_85:
0.5040 - val_loss: 39.4433 - val_auc_85: 0.4957
Epoch 59/200
267/267 [=====] - 1s 3ms/step - loss: 18.0792 - auc_85:
0.5042 - val_loss: 9.0263 - val_auc_85: 0.5057
Epoch 60/200
267/267 [=====] - 1s 3ms/step - loss: 20.6667 - auc_85:
0.5011 - val_loss: 15.8016 - val_auc_85: 0.5085
Epoch 61/200
267/267 [=====] - 1s 3ms/step - loss: 19.3415 - auc_85:
0.5044 - val_loss: 22.2387 - val_auc_85: 0.4993
Epoch 62/200
267/267 [=====] - 1s 3ms/step - loss: 20.2533 - auc_85:
0.5011 - val_loss: 13.4203 - val_auc_85: 0.4890
Epoch 63/200
267/267 [=====] - 1s 3ms/step - loss: 24.2407 - auc_85:
0.5059 - val_loss: 18.2398 - val_auc_85: 0.5170
Epoch 64/200

267/267 [=====] - 1s 3ms/step - loss: 18.4262 - auc_85:
0.5053 - val_loss: 12.5671 - val_auc_85: 0.4978
Epoch 65/200
267/267 [=====] - 1s 3ms/step - loss: 18.7402 - auc_85:
0.5064 - val_loss: 25.6389 - val_auc_85: 0.5050
Epoch 66/200
267/267 [=====] - 1s 3ms/step - loss: 18.0177 - auc_85:
0.5017 - val_loss: 7.4844 - val_auc_85: 0.5081
Epoch 67/200
267/267 [=====] - 1s 3ms/step - loss: 15.2333 - auc_85:
0.5001 - val_loss: 11.0046 - val_auc_85: 0.5004
Epoch 68/200
267/267 [=====] - 1s 3ms/step - loss: 17.3305 - auc_85:
0.5003 - val_loss: 20.0219 - val_auc_85: 0.4927
Epoch 69/200
267/267 [=====] - 1s 3ms/step - loss: 20.8088 - auc_85:
0.4998 - val_loss: 28.6048 - val_auc_85: 0.4956
Epoch 70/200
267/267 [=====] - 1s 3ms/step - loss: 20.4611 - auc_85:
0.4995 - val_loss: 17.7597 - val_auc_85: 0.5004
Epoch 71/200
267/267 [=====] - 1s 3ms/step - loss: 18.4686 - auc_85:
0.4985 - val_loss: 19.8123 - val_auc_85: 0.5133
Epoch 72/200
267/267 [=====] - 1s 3ms/step - loss: 20.6713 - auc_85:
0.5057 - val_loss: 9.6439 - val_auc_85: 0.5005
Epoch 73/200
267/267 [=====] - 1s 3ms/step - loss: 26.4425 - auc_85:
0.5005 - val_loss: 25.4484 - val_auc_85: 0.4943
Epoch 74/200
267/267 [=====] - 1s 3ms/step - loss: 19.4275 - auc_85:
0.5061 - val_loss: 18.6621 - val_auc_85: 0.4945
Epoch 75/200
267/267 [=====] - 1s 3ms/step - loss: 19.0650 - auc_85:
0.5000 - val_loss: 12.8620 - val_auc_85: 0.5063
Epoch 76/200
267/267 [=====] - 1s 3ms/step - loss: 22.2543 - auc_85:
0.5004 - val_loss: 19.2144 - val_auc_85: 0.4913
Epoch 77/200
267/267 [=====] - 1s 3ms/step - loss: 22.9910 - auc_85:
0.5009 - val_loss: 28.0922 - val_auc_85: 0.5081
Epoch 78/200
267/267 [=====] - 1s 3ms/step - loss: 21.6023 - auc_85:
0.4994 - val_loss: 26.0023 - val_auc_85: 0.5126
Epoch 79/200
267/267 [=====] - 1s 3ms/step - loss: 20.8214 - auc_85:
0.5006 - val_loss: 14.3614 - val_auc_85: 0.4984
Epoch 80/200

267/267 [=====] - 1s 3ms/step - loss: 19.6953 - auc_85:
0.5024 - val_loss: 9.0458 - val_auc_85: 0.4934
Epoch 81/200
267/267 [=====] - 1s 3ms/step - loss: 18.5217 - auc_85:
0.5011 - val_loss: 15.0466 - val_auc_85: 0.5106
Epoch 82/200
267/267 [=====] - 1s 3ms/step - loss: 16.4028 - auc_85:
0.5040 - val_loss: 14.8909 - val_auc_85: 0.5098
Epoch 83/200
267/267 [=====] - 1s 3ms/step - loss: 20.4544 - auc_85:
0.5065 - val_loss: 31.2073 - val_auc_85: 0.5104
Epoch 84/200
267/267 [=====] - 1s 3ms/step - loss: 16.6125 - auc_85:
0.5048 - val_loss: 13.5015 - val_auc_85: 0.4991
Epoch 85/200
267/267 [=====] - 1s 3ms/step - loss: 17.4733 - auc_85:
0.5009 - val_loss: 8.0095 - val_auc_85: 0.5099
Epoch 86/200
267/267 [=====] - 1s 3ms/step - loss: 17.2001 - auc_85:
0.5039 - val_loss: 9.6864 - val_auc_85: 0.5139
Epoch 87/200
267/267 [=====] - 1s 3ms/step - loss: 18.1907 - auc_85:
0.5053 - val_loss: 12.1134 - val_auc_85: 0.4990
Epoch 88/200
267/267 [=====] - 1s 3ms/step - loss: 21.5336 - auc_85:
0.5029 - val_loss: 13.4394 - val_auc_85: 0.4941
Epoch 89/200
267/267 [=====] - 1s 3ms/step - loss: 24.9385 - auc_85:
0.5017 - val_loss: 20.6059 - val_auc_85: 0.5107
Epoch 90/200
267/267 [=====] - 1s 3ms/step - loss: 14.8595 - auc_85:
0.5058 - val_loss: 15.6995 - val_auc_85: 0.4861
Epoch 91/200
267/267 [=====] - 1s 3ms/step - loss: 22.8960 - auc_85:
0.5020 - val_loss: 18.6137 - val_auc_85: 0.5026
Epoch 92/200
267/267 [=====] - 1s 3ms/step - loss: 21.4805 - auc_85:
0.5018 - val_loss: 14.6170 - val_auc_85: 0.5002
Epoch 93/200
267/267 [=====] - 1s 3ms/step - loss: 20.8864 - auc_85:
0.4992 - val_loss: 24.0909 - val_auc_85: 0.4905
Epoch 94/200
267/267 [=====] - 1s 3ms/step - loss: 21.7698 - auc_85:
0.5040 - val_loss: 37.7234 - val_auc_85: 0.5020
Epoch 95/200
267/267 [=====] - 1s 3ms/step - loss: 20.4861 - auc_85:
0.5033 - val_loss: 10.2405 - val_auc_85: 0.5018
Epoch 96/200

267/267 [=====] - 1s 3ms/step - loss: 19.9851 - auc_85:
 0.5016 - val_loss: 14.6626 - val_auc_85: 0.5066
 Epoch 97/200
 267/267 [=====] - 1s 3ms/step - loss: 14.3408 - auc_85:
 0.5011 - val_loss: 14.1413 - val_auc_85: 0.5089
 Epoch 98/200
 267/267 [=====] - 1s 3ms/step - loss: 21.1820 - auc_85:
 0.5011 - val_loss: 48.7630 - val_auc_85: 0.5154
 Epoch 99/200
 267/267 [=====] - 1s 3ms/step - loss: 18.7581 - auc_85:
 0.5037 - val_loss: 15.4364 - val_auc_85: 0.5065
 Epoch 100/200
 267/267 [=====] - 1s 3ms/step - loss: 17.8075 - auc_85:
 0.5033 - val_loss: 39.0839 - val_auc_85: 0.5088
 Epoch 101/200
 267/267 [=====] - 1s 3ms/step - loss: 22.6942 - auc_85:
 0.4991 - val_loss: 12.5179 - val_auc_85: 0.4929
 Epoch 102/200
 267/267 [=====] - 1s 3ms/step - loss: 20.8031 - auc_85:
 0.5007 - val_loss: 37.8847 - val_auc_85: 0.5028
 Epoch 103/200
 267/267 [=====] - 1s 3ms/step - loss: 19.0381 - auc_85:
 0.5008 - val_loss: 18.1269 - val_auc_85: 0.4948
 Epoch 104/200
 267/267 [=====] - 1s 3ms/step - loss: 16.7572 - auc_85:
 0.5021 - val_loss: 22.2335 - val_auc_85: 0.5068
 Epoch 105/200
 267/267 [=====] - 1s 3ms/step - loss: 18.3722 - auc_85:
 0.5043 - val_loss: 38.3004 - val_auc_85: 0.4918
 Epoch 106/200
 267/267 [=====] - 1s 3ms/step - loss: 20.5092 - auc_85:
 0.5030 - val_loss: 11.8976 - val_auc_85: 0.4919
 Epoch 107/200
 267/267 [=====] - 1s 3ms/step - loss: 21.7055 - auc_85:
 0.5084 - val_loss: 17.6885 - val_auc_85: 0.5134
 Epoch 108/200
 267/267 [=====] - 1s 3ms/step - loss: 23.8745 - auc_85:
 0.5004 - val_loss: 16.6363 - val_auc_85: 0.4914
 Epoch 109/200
 267/267 [=====] - 1s 3ms/step - loss: 18.1417 - auc_85:
 0.5005 - val_loss: 20.5048 - val_auc_85: 0.5043
 Epoch 110/200
 267/267 [=====] - 1s 3ms/step - loss: 19.5137 - auc_85:
 0.5017 - val_loss: 23.8073 - val_auc_85: 0.5106
 Epoch 111/200
 267/267 [=====] - 1s 3ms/step - loss: 22.4325 - auc_85:
 0.5046 - val_loss: 11.3161 - val_auc_85: 0.4819
 Epoch 112/200

267/267 [=====] - 1s 3ms/step - loss: 16.7636 - auc_85:
0.5025 - val_loss: 13.8401 - val_auc_85: 0.4916
Epoch 113/200
267/267 [=====] - 1s 3ms/step - loss: 16.6665 - auc_85:
0.5063 - val_loss: 25.2993 - val_auc_85: 0.4941
Epoch 114/200
267/267 [=====] - 1s 3ms/step - loss: 19.0053 - auc_85:
0.5027 - val_loss: 9.8747 - val_auc_85: 0.5005
Epoch 115/200
267/267 [=====] - 1s 3ms/step - loss: 18.4602 - auc_85:
0.5067 - val_loss: 11.8591 - val_auc_85: 0.5121
Epoch 116/200
267/267 [=====] - 1s 3ms/step - loss: 21.4883 - auc_85:
0.4997 - val_loss: 9.9321 - val_auc_85: 0.5089
Epoch 117/200
267/267 [=====] - 1s 3ms/step - loss: 17.8020 - auc_85:
0.5021 - val_loss: 14.9183 - val_auc_85: 0.4938
Epoch 118/200
267/267 [=====] - 1s 3ms/step - loss: 17.6048 - auc_85:
0.5033 - val_loss: 27.7897 - val_auc_85: 0.5066
Epoch 119/200
267/267 [=====] - 1s 3ms/step - loss: 20.8582 - auc_85:
0.5009 - val_loss: 13.1827 - val_auc_85: 0.5100
Epoch 120/200
267/267 [=====] - 1s 3ms/step - loss: 21.7094 - auc_85:
0.5022 - val_loss: 18.4515 - val_auc_85: 0.5103
Epoch 121/200
267/267 [=====] - 1s 3ms/step - loss: 17.4307 - auc_85:
0.5029 - val_loss: 13.0207 - val_auc_85: 0.4919
Epoch 122/200
267/267 [=====] - 1s 3ms/step - loss: 19.2205 - auc_85:
0.5028 - val_loss: 25.9482 - val_auc_85: 0.5082
Epoch 123/200
267/267 [=====] - 1s 3ms/step - loss: 16.5586 - auc_85:
0.5053 - val_loss: 13.4101 - val_auc_85: 0.4921
Epoch 124/200
267/267 [=====] - 1s 3ms/step - loss: 15.8177 - auc_85:
0.5023 - val_loss: 27.4469 - val_auc_85: 0.4964
Epoch 125/200
267/267 [=====] - 1s 3ms/step - loss: 16.0019 - auc_85:
0.5001 - val_loss: 20.9511 - val_auc_85: 0.4960
Epoch 126/200
267/267 [=====] - 1s 3ms/step - loss: 19.0661 - auc_85:
0.5013 - val_loss: 13.4575 - val_auc_85: 0.4902
Epoch 127/200
267/267 [=====] - 1s 3ms/step - loss: 18.0669 - auc_85:
0.5009 - val_loss: 22.3841 - val_auc_85: 0.5143
Epoch 128/200

267/267 [=====] - 1s 3ms/step - loss: 20.4965 - auc_85:
 0.5045 - val_loss: 20.8325 - val_auc_85: 0.5097
 Epoch 129/200
 267/267 [=====] - 1s 3ms/step - loss: 19.6717 - auc_85:
 0.5062 - val_loss: 17.5586 - val_auc_85: 0.5068
 Epoch 130/200
 267/267 [=====] - 1s 3ms/step - loss: 20.7596 - auc_85:
 0.5057 - val_loss: 36.8341 - val_auc_85: 0.5101
 Epoch 131/200
 267/267 [=====] - 1s 3ms/step - loss: 19.6209 - auc_85:
 0.5046 - val_loss: 23.5985 - val_auc_85: 0.4941
 Epoch 132/200
 267/267 [=====] - 1s 3ms/step - loss: 18.6587 - auc_85:
 0.5012 - val_loss: 18.5988 - val_auc_85: 0.5059
 Epoch 133/200
 267/267 [=====] - 1s 3ms/step - loss: 20.3928 - auc_85:
 0.5002 - val_loss: 24.1266 - val_auc_85: 0.4991
 Epoch 134/200
 267/267 [=====] - 1s 3ms/step - loss: 17.5093 - auc_85:
 0.5036 - val_loss: 30.6932 - val_auc_85: 0.4880
 Epoch 135/200
 267/267 [=====] - 1s 3ms/step - loss: 17.3699 - auc_85:
 0.4986 - val_loss: 20.7476 - val_auc_85: 0.4973
 Epoch 136/200
 267/267 [=====] - 1s 3ms/step - loss: 21.4715 - auc_85:
 0.5027 - val_loss: 8.4566 - val_auc_85: 0.5092
 Epoch 137/200
 267/267 [=====] - 1s 3ms/step - loss: 20.7734 - auc_85:
 0.5023 - val_loss: 17.0621 - val_auc_85: 0.5119
 Epoch 138/200
 267/267 [=====] - 1s 3ms/step - loss: 18.8885 - auc_85:
 0.5025 - val_loss: 32.0294 - val_auc_85: 0.5028
 Epoch 139/200
 267/267 [=====] - 1s 3ms/step - loss: 21.0480 - auc_85:
 0.5036 - val_loss: 12.1714 - val_auc_85: 0.5106
 Epoch 140/200
 267/267 [=====] - 1s 3ms/step - loss: 16.8239 - auc_85:
 0.5016 - val_loss: 12.0294 - val_auc_85: 0.5035
 Epoch 141/200
 267/267 [=====] - 1s 3ms/step - loss: 21.1649 - auc_85:
 0.5048 - val_loss: 48.0372 - val_auc_85: 0.5037
 Epoch 142/200
 267/267 [=====] - 1s 3ms/step - loss: 26.1023 - auc_85:
 0.5071 - val_loss: 43.9498 - val_auc_85: 0.4950
 Epoch 143/200
 267/267 [=====] - 1s 3ms/step - loss: 20.6441 - auc_85:
 0.5009 - val_loss: 30.2640 - val_auc_85: 0.5026
 Epoch 144/200

267/267 [=====] - 1s 3ms/step - loss: 20.7274 - auc_85:
0.5049 - val_loss: 18.0583 - val_auc_85: 0.4903
Epoch 145/200
267/267 [=====] - 1s 3ms/step - loss: 20.6696 - auc_85:
0.5051 - val_loss: 18.0508 - val_auc_85: 0.5140
Epoch 146/200
267/267 [=====] - 1s 3ms/step - loss: 16.9993 - auc_85:
0.5033 - val_loss: 8.2387 - val_auc_85: 0.5054
Epoch 147/200
267/267 [=====] - 1s 3ms/step - loss: 19.1754 - auc_85:
0.5055 - val_loss: 26.8177 - val_auc_85: 0.5001
Epoch 148/200
267/267 [=====] - 1s 3ms/step - loss: 18.9871 - auc_85:
0.5017 - val_loss: 14.8412 - val_auc_85: 0.4962
Epoch 149/200
267/267 [=====] - 1s 3ms/step - loss: 18.9459 - auc_85:
0.5022 - val_loss: 21.3567 - val_auc_85: 0.5042
Epoch 150/200
267/267 [=====] - 1s 3ms/step - loss: 20.4543 - auc_85:
0.5008 - val_loss: 18.6749 - val_auc_85: 0.4954
Epoch 151/200
267/267 [=====] - 1s 3ms/step - loss: 20.5873 - auc_85:
0.4990 - val_loss: 28.7138 - val_auc_85: 0.4916
Epoch 152/200
267/267 [=====] - 1s 3ms/step - loss: 17.8094 - auc_85:
0.5014 - val_loss: 19.9490 - val_auc_85: 0.5098
Epoch 153/200
267/267 [=====] - 1s 3ms/step - loss: 18.7853 - auc_85:
0.5042 - val_loss: 17.5867 - val_auc_85: 0.4950
Epoch 154/200
267/267 [=====] - 1s 3ms/step - loss: 20.6670 - auc_85:
0.5050 - val_loss: 14.4954 - val_auc_85: 0.5161
Epoch 155/200
267/267 [=====] - 1s 3ms/step - loss: 20.7088 - auc_85:
0.5020 - val_loss: 22.9305 - val_auc_85: 0.4974
Epoch 156/200
267/267 [=====] - 1s 3ms/step - loss: 20.6580 - auc_85:
0.5026 - val_loss: 52.1633 - val_auc_85: 0.5083
Epoch 157/200
267/267 [=====] - 1s 3ms/step - loss: 23.8193 - auc_85:
0.5018 - val_loss: 36.0139 - val_auc_85: 0.4997
Epoch 158/200
267/267 [=====] - 1s 3ms/step - loss: 18.2042 - auc_85:
0.4994 - val_loss: 10.9667 - val_auc_85: 0.5086
Epoch 159/200
267/267 [=====] - 1s 3ms/step - loss: 18.5002 - auc_85:
0.5005 - val_loss: 8.2396 - val_auc_85: 0.5066
Epoch 160/200

267/267 [=====] - 1s 3ms/step - loss: 17.3565 - auc_85:
0.5019 - val_loss: 22.0431 - val_auc_85: 0.4922
Epoch 161/200
267/267 [=====] - 1s 3ms/step - loss: 17.8161 - auc_85:
0.5058 - val_loss: 20.0962 - val_auc_85: 0.5055
Epoch 162/200
267/267 [=====] - 1s 3ms/step - loss: 17.4314 - auc_85:
0.5049 - val_loss: 22.5673 - val_auc_85: 0.5037
Epoch 163/200
267/267 [=====] - 1s 3ms/step - loss: 21.0331 - auc_85:
0.5008 - val_loss: 28.7846 - val_auc_85: 0.5029
Epoch 164/200
267/267 [=====] - 1s 3ms/step - loss: 21.2404 - auc_85:
0.5029 - val_loss: 43.9575 - val_auc_85: 0.4969
Epoch 165/200
267/267 [=====] - 1s 3ms/step - loss: 19.7279 - auc_85:
0.5015 - val_loss: 24.6846 - val_auc_85: 0.5018
Epoch 166/200
267/267 [=====] - 1s 3ms/step - loss: 19.0843 - auc_85:
0.5026 - val_loss: 20.4911 - val_auc_85: 0.5026
Epoch 167/200
267/267 [=====] - 1s 3ms/step - loss: 20.5928 - auc_85:
0.5015 - val_loss: 13.5193 - val_auc_85: 0.4956
Epoch 168/200
267/267 [=====] - 1s 3ms/step - loss: 21.0711 - auc_85:
0.4996 - val_loss: 18.0844 - val_auc_85: 0.5038
Epoch 169/200
267/267 [=====] - 1s 3ms/step - loss: 16.8691 - auc_85:
0.5018 - val_loss: 24.0100 - val_auc_85: 0.4887
Epoch 170/200
267/267 [=====] - 1s 3ms/step - loss: 18.3368 - auc_85:
0.5034 - val_loss: 13.5288 - val_auc_85: 0.4954
Epoch 171/200
267/267 [=====] - 1s 3ms/step - loss: 20.5276 - auc_85:
0.4977 - val_loss: 21.2400 - val_auc_85: 0.5102
Epoch 172/200
267/267 [=====] - 1s 3ms/step - loss: 17.5819 - auc_85:
0.5053 - val_loss: 19.0335 - val_auc_85: 0.5002
Epoch 173/200
267/267 [=====] - 1s 3ms/step - loss: 19.2427 - auc_85:
0.5018 - val_loss: 22.0429 - val_auc_85: 0.4903
Epoch 174/200
267/267 [=====] - 1s 3ms/step - loss: 17.9804 - auc_85:
0.5043 - val_loss: 35.6010 - val_auc_85: 0.5072
Epoch 175/200
267/267 [=====] - 1s 3ms/step - loss: 21.1332 - auc_85:
0.5012 - val_loss: 39.4608 - val_auc_85: 0.5085
Epoch 176/200

267/267 [=====] - 1s 3ms/step - loss: 20.4396 - auc_85:
 0.4967 - val_loss: 26.7551 - val_auc_85: 0.5094
 Epoch 177/200
 267/267 [=====] - 1s 3ms/step - loss: 20.4749 - auc_85:
 0.5011 - val_loss: 29.9426 - val_auc_85: 0.5040
 Epoch 178/200
 267/267 [=====] - 1s 3ms/step - loss: 18.6956 - auc_85:
 0.5056 - val_loss: 33.9896 - val_auc_85: 0.5098
 Epoch 179/200
 267/267 [=====] - 1s 3ms/step - loss: 24.3151 - auc_85:
 0.5013 - val_loss: 13.3032 - val_auc_85: 0.5071
 Epoch 180/200
 267/267 [=====] - 1s 3ms/step - loss: 19.9767 - auc_85:
 0.5025 - val_loss: 16.4660 - val_auc_85: 0.5124
 Epoch 181/200
 267/267 [=====] - 1s 3ms/step - loss: 18.3915 - auc_85:
 0.5056 - val_loss: 22.2269 - val_auc_85: 0.5028
 Epoch 182/200
 267/267 [=====] - 1s 3ms/step - loss: 18.3951 - auc_85:
 0.5059 - val_loss: 24.2391 - val_auc_85: 0.4939
 Epoch 183/200
 267/267 [=====] - 1s 3ms/step - loss: 16.5299 - auc_85:
 0.5052 - val_loss: 13.9450 - val_auc_85: 0.4994
 Epoch 184/200
 267/267 [=====] - 1s 3ms/step - loss: 22.5414 - auc_85:
 0.5002 - val_loss: 13.3941 - val_auc_85: 0.4894
 Epoch 185/200
 267/267 [=====] - 1s 3ms/step - loss: 17.4945 - auc_85:
 0.5012 - val_loss: 21.5452 - val_auc_85: 0.4973
 Epoch 186/200
 267/267 [=====] - 1s 3ms/step - loss: 22.0790 - auc_85:
 0.5057 - val_loss: 10.9349 - val_auc_85: 0.5030
 Epoch 187/200
 267/267 [=====] - 1s 3ms/step - loss: 17.4582 - auc_85:
 0.5017 - val_loss: 10.4187 - val_auc_85: 0.4834
 Epoch 188/200
 267/267 [=====] - 1s 3ms/step - loss: 21.3165 - auc_85:
 0.5012 - val_loss: 28.4766 - val_auc_85: 0.5055
 Epoch 189/200
 267/267 [=====] - 1s 3ms/step - loss: 15.5103 - auc_85:
 0.5019 - val_loss: 5.3331 - val_auc_85: 0.4859
 Epoch 190/200
 267/267 [=====] - 1s 3ms/step - loss: 20.8486 - auc_85:
 0.5021 - val_loss: 18.7935 - val_auc_85: 0.5044
 Epoch 191/200
 267/267 [=====] - 1s 3ms/step - loss: 22.9001 - auc_85:
 0.5046 - val_loss: 23.6511 - val_auc_85: 0.5057
 Epoch 192/200

267/267 [=====] - 1s 3ms/step - loss: 20.1757 - auc_85:
 0.5046 - val_loss: 24.0164 - val_auc_85: 0.5008
 Epoch 193/200
 267/267 [=====] - 1s 3ms/step - loss: 18.6825 - auc_85:
 0.5037 - val_loss: 18.4523 - val_auc_85: 0.5092
 Epoch 194/200
 267/267 [=====] - 1s 3ms/step - loss: 16.8852 - auc_85:
 0.5071 - val_loss: 8.3224 - val_auc_85: 0.5054
 Epoch 195/200
 267/267 [=====] - 1s 3ms/step - loss: 21.9564 - auc_85:
 0.5032 - val_loss: 13.0369 - val_auc_85: 0.4941
 Epoch 196/200
 267/267 [=====] - 1s 3ms/step - loss: 19.2717 - auc_85:
 0.5040 - val_loss: 44.8197 - val_auc_85: 0.5012
 Epoch 197/200
 267/267 [=====] - 1s 3ms/step - loss: 20.0558 - auc_85:
 0.5024 - val_loss: 16.4120 - val_auc_85: 0.5038
 Epoch 198/200
 267/267 [=====] - 1s 3ms/step - loss: 18.4332 - auc_85:
 0.5005 - val_loss: 19.1334 - val_auc_85: 0.4904
 Epoch 199/200
 267/267 [=====] - 1s 3ms/step - loss: 17.4367 - auc_85:
 0.5037 - val_loss: 53.0532 - val_auc_85: 0.4900
 Epoch 200/200
 267/267 [=====] - 1s 3ms/step - loss: 26.3076 - auc_85:
 0.4997 - val_loss: 44.2976 - val_auc_85: 0.5097
 625/625 [=====] - 0s 573us/step
 [CV] ... epochs=200, learning_rate=0.1, score=0.507, total= 2.6min
 [CV] epochs=500, learning_rate=0.001 ...
 Epoch 1/500
 267/267 [=====] - 1s 4ms/step - loss: 4.0072 - auc_86:
 0.5026 - val_loss: 2.6813 - val_auc_86: 0.5009
 Epoch 2/500
 267/267 [=====] - 1s 3ms/step - loss: 1.7383 - auc_86:
 0.5026 - val_loss: 1.1148 - val_auc_86: 0.4994
 Epoch 3/500
 267/267 [=====] - 1s 3ms/step - loss: 1.0110 - auc_86:
 0.5029 - val_loss: 1.1087 - val_auc_86: 0.5047
 Epoch 4/500
 267/267 [=====] - 1s 3ms/step - loss: 0.9748 - auc_86:
 0.5051 - val_loss: 1.0223 - val_auc_86: 0.5025
 Epoch 5/500
 267/267 [=====] - 1s 3ms/step - loss: 0.9904 - auc_86:
 0.5044 - val_loss: 1.0638 - val_auc_86: 0.4995
 Epoch 6/500
 267/267 [=====] - 1s 3ms/step - loss: 0.9789 - auc_86:
 0.5073 - val_loss: 1.0358 - val_auc_86: 0.5028
 Epoch 7/500

267/267 [=====] - 1s 3ms/step - loss: 0.9178 - auc_86:
0.5064 - val_loss: 0.9537 - val_auc_86: 0.5073
Epoch 8/500
267/267 [=====] - 1s 3ms/step - loss: 0.9703 - auc_86:
0.5064 - val_loss: 1.0230 - val_auc_86: 0.5036
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 0.9126 - auc_86:
0.5079 - val_loss: 0.9322 - val_auc_86: 0.5086
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 0.9062 - auc_86:
0.5080 - val_loss: 1.0107 - val_auc_86: 0.5083
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 0.8934 - auc_86:
0.5085 - val_loss: 0.9702 - val_auc_86: 0.4982
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 0.9097 - auc_86:
0.5074 - val_loss: 0.9283 - val_auc_86: 0.5060
Epoch 13/500
267/267 [=====] - 1s 3ms/step - loss: 0.8960 - auc_86:
0.5069 - val_loss: 0.9716 - val_auc_86: 0.5057
Epoch 14/500
267/267 [=====] - 1s 3ms/step - loss: 0.8772 - auc_86:
0.5079 - val_loss: 0.8934 - val_auc_86: 0.5095
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 0.8627 - auc_86:
0.5120 - val_loss: 0.8981 - val_auc_86: 0.5032
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 0.8639 - auc_86:
0.5070 - val_loss: 0.9468 - val_auc_86: 0.5030
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 0.8504 - auc_86:
0.5070 - val_loss: 0.9587 - val_auc_86: 0.5084
Epoch 18/500
267/267 [=====] - 1s 3ms/step - loss: 0.8523 - auc_86:
0.5073 - val_loss: 0.8775 - val_auc_86: 0.5118
Epoch 19/500
267/267 [=====] - 1s 3ms/step - loss: 0.8427 - auc_86:
0.5094 - val_loss: 0.9623 - val_auc_86: 0.5052
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 0.8709 - auc_86:
0.5087 - val_loss: 0.8580 - val_auc_86: 0.5085
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 0.8351 - auc_86:
0.5087 - val_loss: 0.8618 - val_auc_86: 0.5069
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 0.8368 - auc_86:
0.5083 - val_loss: 0.8430 - val_auc_86: 0.5093
Epoch 23/500

267/267 [=====] - 1s 3ms/step - loss: 0.8375 - auc_86:
 0.5091 - val_loss: 0.9130 - val_auc_86: 0.5062
 Epoch 24/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8228 - auc_86:
 0.5113 - val_loss: 0.8316 - val_auc_86: 0.5091
 Epoch 25/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8145 - auc_86:
 0.5087 - val_loss: 0.7694 - val_auc_86: 0.5071
 Epoch 26/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8206 - auc_86:
 0.5098 - val_loss: 0.8504 - val_auc_86: 0.5049
 Epoch 27/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8417 - auc_86:
 0.5083 - val_loss: 0.7932 - val_auc_86: 0.5095
 Epoch 28/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8259 - auc_86:
 0.5105 - val_loss: 0.8240 - val_auc_86: 0.5075
 Epoch 29/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8162 - auc_86:
 0.5135 - val_loss: 0.7653 - val_auc_86: 0.5119
 Epoch 30/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8111 - auc_86:
 0.5122 - val_loss: 0.8202 - val_auc_86: 0.5073
 Epoch 31/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_86:
 0.5115 - val_loss: 0.8060 - val_auc_86: 0.5092
 Epoch 32/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8112 - auc_86:
 0.5116 - val_loss: 0.8018 - val_auc_86: 0.5109
 Epoch 33/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8107 - auc_86:
 0.5086 - val_loss: 0.7636 - val_auc_86: 0.5121
 Epoch 34/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8182 - auc_86:
 0.5094 - val_loss: 0.8537 - val_auc_86: 0.5089
 Epoch 35/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_86:
 0.5112 - val_loss: 0.8540 - val_auc_86: 0.5116
 Epoch 36/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8137 - auc_86:
 0.5114 - val_loss: 0.8160 - val_auc_86: 0.5052
 Epoch 37/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8047 - auc_86:
 0.5119 - val_loss: 0.8547 - val_auc_86: 0.5074
 Epoch 38/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_86:
 0.5117 - val_loss: 0.8095 - val_auc_86: 0.5041
 Epoch 39/500

267/267 [=====] - 1s 3ms/step - loss: 0.8054 - auc_86:
0.5104 - val_loss: 0.7930 - val_auc_86: 0.5114
Epoch 40/500
267/267 [=====] - 1s 3ms/step - loss: 0.8036 - auc_86:
0.5094 - val_loss: 0.7637 - val_auc_86: 0.5011
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 0.8035 - auc_86:
0.5116 - val_loss: 0.9204 - val_auc_86: 0.5061
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 0.8267 - auc_86:
0.5102 - val_loss: 0.7790 - val_auc_86: 0.5097
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 0.8185 - auc_86:
0.5115 - val_loss: 0.7743 - val_auc_86: 0.5102
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_86:
0.5128 - val_loss: 0.7820 - val_auc_86: 0.5091
Epoch 45/500
267/267 [=====] - 1s 3ms/step - loss: 0.8070 - auc_86:
0.5069 - val_loss: 0.8646 - val_auc_86: 0.5023
Epoch 46/500
267/267 [=====] - 1s 3ms/step - loss: 0.8048 - auc_86:
0.5102 - val_loss: 0.8215 - val_auc_86: 0.5088
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_86:
0.5125 - val_loss: 0.7794 - val_auc_86: 0.5027
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 0.7990 - auc_86:
0.5102 - val_loss: 0.7998 - val_auc_86: 0.5092
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 0.8064 - auc_86:
0.5124 - val_loss: 0.7690 - val_auc_86: 0.5029
Epoch 50/500
267/267 [=====] - 1s 3ms/step - loss: 0.8283 - auc_86:
0.5101 - val_loss: 0.8060 - val_auc_86: 0.5112
Epoch 51/500
267/267 [=====] - 1s 3ms/step - loss: 0.8079 - auc_86:
0.5091 - val_loss: 0.8318 - val_auc_86: 0.5015
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_86:
0.5110 - val_loss: 0.8209 - val_auc_86: 0.5065
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_86:
0.5131 - val_loss: 0.8212 - val_auc_86: 0.5060
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_86:
0.5125 - val_loss: 0.7630 - val_auc_86: 0.5089
Epoch 55/500

267/267 [=====] - 1s 3ms/step - loss: 0.7947 - auc_86:
0.5139 - val_loss: 0.7834 - val_auc_86: 0.5057
Epoch 56/500
267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_86:
0.5114 - val_loss: 0.7514 - val_auc_86: 0.5088
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 0.7972 - auc_86:
0.5105 - val_loss: 0.7502 - val_auc_86: 0.5042
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 0.8180 - auc_86:
0.5127 - val_loss: 0.9127 - val_auc_86: 0.5051
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 0.8140 - auc_86:
0.5111 - val_loss: 0.7541 - val_auc_86: 0.5101
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_86:
0.5122 - val_loss: 0.7417 - val_auc_86: 0.5067
Epoch 61/500
267/267 [=====] - 1s 3ms/step - loss: 0.7962 - auc_86:
0.5116 - val_loss: 0.7720 - val_auc_86: 0.5005
Epoch 62/500
267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_86:
0.5105 - val_loss: 0.8084 - val_auc_86: 0.5062
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 0.8341 - auc_86:
0.5103 - val_loss: 0.8490 - val_auc_86: 0.5050
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 0.7981 - auc_86:
0.5133 - val_loss: 0.7494 - val_auc_86: 0.5061
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 0.8033 - auc_86:
0.5139 - val_loss: 0.8346 - val_auc_86: 0.5014
Epoch 66/500
267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_86:
0.5110 - val_loss: 0.8140 - val_auc_86: 0.5049
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 0.8033 - auc_86:
0.5098 - val_loss: 0.7811 - val_auc_86: 0.5110
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_86:
0.5147 - val_loss: 0.8112 - val_auc_86: 0.5044
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_86:
0.5128 - val_loss: 0.7822 - val_auc_86: 0.5131
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 0.8072 - auc_86:
0.5116 - val_loss: 0.8164 - val_auc_86: 0.5085
Epoch 71/500

267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_86:
0.5124 - val_loss: 0.8587 - val_auc_86: 0.5020
Epoch 72/500
267/267 [=====] - 1s 3ms/step - loss: 0.8184 - auc_86:
0.5114 - val_loss: 0.8999 - val_auc_86: 0.4986
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_86:
0.5129 - val_loss: 0.8040 - val_auc_86: 0.5069
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_86:
0.5116 - val_loss: 0.7917 - val_auc_86: 0.5087
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_86:
0.5141 - val_loss: 1.0094 - val_auc_86: 0.5042
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 0.8111 - auc_86:
0.5121 - val_loss: 0.7866 - val_auc_86: 0.5024
Epoch 77/500
267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_86:
0.5111 - val_loss: 0.7765 - val_auc_86: 0.5075
Epoch 78/500
267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_86:
0.5116 - val_loss: 0.8581 - val_auc_86: 0.5103
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_86:
0.5125 - val_loss: 0.7342 - val_auc_86: 0.5061
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 0.8083 - auc_86:
0.5111 - val_loss: 0.8018 - val_auc_86: 0.5042
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 0.7915 - auc_86:
0.5135 - val_loss: 0.7727 - val_auc_86: 0.5092
Epoch 82/500
267/267 [=====] - 1s 3ms/step - loss: 0.7973 - auc_86:
0.5125 - val_loss: 0.8223 - val_auc_86: 0.5070
Epoch 83/500
267/267 [=====] - 1s 3ms/step - loss: 0.8004 - auc_86:
0.5146 - val_loss: 0.8196 - val_auc_86: 0.5053
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 0.7957 - auc_86:
0.5112 - val_loss: 0.9465 - val_auc_86: 0.5030
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 0.8024 - auc_86:
0.5131 - val_loss: 0.8110 - val_auc_86: 0.5020
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_86:
0.5120 - val_loss: 0.7309 - val_auc_86: 0.5137
Epoch 87/500

267/267 [=====] - 1s 3ms/step - loss: 0.7960 - auc_86:
 0.5128 - val_loss: 0.7147 - val_auc_86: 0.5114
 Epoch 88/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_86:
 0.5115 - val_loss: 0.7845 - val_auc_86: 0.5041
 Epoch 89/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8083 - auc_86:
 0.5105 - val_loss: 0.7428 - val_auc_86: 0.5060
 Epoch 90/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7920 - auc_86:
 0.5117 - val_loss: 0.8081 - val_auc_86: 0.5062
 Epoch 91/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_86:
 0.5130 - val_loss: 0.7868 - val_auc_86: 0.5037
 Epoch 92/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_86:
 0.5131 - val_loss: 0.8312 - val_auc_86: 0.5027
 Epoch 93/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7917 - auc_86:
 0.5116 - val_loss: 0.7537 - val_auc_86: 0.5071
 Epoch 94/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8104 - auc_86:
 0.5120 - val_loss: 0.7768 - val_auc_86: 0.5054
 Epoch 95/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7765 - auc_86:
 0.5126 - val_loss: 0.8041 - val_auc_86: 0.5104
 Epoch 96/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7798 - auc_86:
 0.5130 - val_loss: 0.7475 - val_auc_86: 0.5059
 Epoch 97/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_86:
 0.5158 - val_loss: 0.8896 - val_auc_86: 0.5059
 Epoch 98/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7967 - auc_86:
 0.5140 - val_loss: 0.7760 - val_auc_86: 0.5093
 Epoch 99/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_86:
 0.5138 - val_loss: 0.8027 - val_auc_86: 0.5009
 Epoch 100/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_86:
 0.5145 - val_loss: 0.8949 - val_auc_86: 0.5045
 Epoch 101/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7681 - auc_86:
 0.5134 - val_loss: 0.7557 - val_auc_86: 0.5069
 Epoch 102/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_86:
 0.5122 - val_loss: 0.7571 - val_auc_86: 0.5143
 Epoch 103/500

267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_86:
0.5137 - val_loss: 0.7610 - val_auc_86: 0.5094
Epoch 104/500
267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_86:
0.5117 - val_loss: 0.7860 - val_auc_86: 0.5065
Epoch 105/500
267/267 [=====] - 1s 3ms/step - loss: 0.8019 - auc_86:
0.5134 - val_loss: 0.7384 - val_auc_86: 0.5059
Epoch 106/500
267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_86:
0.5145 - val_loss: 0.7892 - val_auc_86: 0.5106
Epoch 107/500
267/267 [=====] - 1s 3ms/step - loss: 0.7943 - auc_86:
0.5124 - val_loss: 0.7678 - val_auc_86: 0.5072
Epoch 108/500
267/267 [=====] - 1s 3ms/step - loss: 0.8310 - auc_86:
0.5108 - val_loss: 0.7362 - val_auc_86: 0.5097
Epoch 109/500
267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_86:
0.5114 - val_loss: 0.7568 - val_auc_86: 0.5111
Epoch 110/500
267/267 [=====] - 1s 3ms/step - loss: 0.7973 - auc_86:
0.5111 - val_loss: 0.7891 - val_auc_86: 0.5048
Epoch 111/500
267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_86:
0.5125 - val_loss: 0.7313 - val_auc_86: 0.5099
Epoch 112/500
267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_86:
0.5132 - val_loss: 0.7627 - val_auc_86: 0.5072
Epoch 113/500
267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_86:
0.5129 - val_loss: 0.7407 - val_auc_86: 0.5087
Epoch 114/500
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_86:
0.5108 - val_loss: 0.7910 - val_auc_86: 0.5079
Epoch 115/500
267/267 [=====] - 1s 3ms/step - loss: 0.8113 - auc_86:
0.5143 - val_loss: 0.7733 - val_auc_86: 0.5062
Epoch 116/500
267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_86:
0.5125 - val_loss: 0.9342 - val_auc_86: 0.5073
Epoch 117/500
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_86:
0.5143 - val_loss: 0.7432 - val_auc_86: 0.5077
Epoch 118/500
267/267 [=====] - 1s 3ms/step - loss: 0.7740 - auc_86:
0.5120 - val_loss: 0.7415 - val_auc_86: 0.5022
Epoch 119/500

267/267 [=====] - 1s 3ms/step - loss: 0.8049 - auc_86:
 0.5140 - val_loss: 0.8970 - val_auc_86: 0.5062
 Epoch 120/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7991 - auc_86:
 0.5117 - val_loss: 0.7393 - val_auc_86: 0.5061
 Epoch 121/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7890 - auc_86:
 0.5134 - val_loss: 0.8320 - val_auc_86: 0.5055
 Epoch 122/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7999 - auc_86:
 0.5121 - val_loss: 0.8238 - val_auc_86: 0.5047
 Epoch 123/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8153 - auc_86:
 0.5102 - val_loss: 0.7660 - val_auc_86: 0.5082
 Epoch 124/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_86:
 0.5122 - val_loss: 0.7334 - val_auc_86: 0.5046
 Epoch 125/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7984 - auc_86:
 0.5106 - val_loss: 0.7774 - val_auc_86: 0.5113
 Epoch 126/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_86:
 0.5146 - val_loss: 0.7946 - val_auc_86: 0.5049
 Epoch 127/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7900 - auc_86:
 0.5169 - val_loss: 0.7751 - val_auc_86: 0.5089
 Epoch 128/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8027 - auc_86:
 0.5130 - val_loss: 0.7632 - val_auc_86: 0.5055
 Epoch 129/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_86:
 0.5135 - val_loss: 0.7515 - val_auc_86: 0.5036
 Epoch 130/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7681 - auc_86:
 0.5121 - val_loss: 0.9081 - val_auc_86: 0.5092
 Epoch 131/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_86:
 0.5134 - val_loss: 0.7401 - val_auc_86: 0.5118
 Epoch 132/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_86:
 0.5115 - val_loss: 0.7525 - val_auc_86: 0.5130
 Epoch 133/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_86:
 0.5144 - val_loss: 0.8066 - val_auc_86: 0.5083
 Epoch 134/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_86:
 0.5134 - val_loss: 0.9196 - val_auc_86: 0.5072
 Epoch 135/500

267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_86:
 0.5141 - val_loss: 0.7516 - val_auc_86: 0.5094
 Epoch 136/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8036 - auc_86:
 0.5134 - val_loss: 0.8074 - val_auc_86: 0.5136
 Epoch 137/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_86:
 0.5167 - val_loss: 0.7772 - val_auc_86: 0.5088
 Epoch 138/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7534 - auc_86:
 0.5136 - val_loss: 0.7745 - val_auc_86: 0.5039
 Epoch 139/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8118 - auc_86:
 0.5149 - val_loss: 0.7949 - val_auc_86: 0.5097
 Epoch 140/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_86:
 0.5143 - val_loss: 0.7427 - val_auc_86: 0.5082
 Epoch 141/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_86:
 0.5129 - val_loss: 0.7580 - val_auc_86: 0.5106
 Epoch 142/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7895 - auc_86:
 0.5156 - val_loss: 0.7487 - val_auc_86: 0.5060
 Epoch 143/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_86:
 0.5158 - val_loss: 0.7329 - val_auc_86: 0.5083
 Epoch 144/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_86:
 0.5144 - val_loss: 0.7781 - val_auc_86: 0.5101
 Epoch 145/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8008 - auc_86:
 0.5111 - val_loss: 0.8335 - val_auc_86: 0.5046
 Epoch 146/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7986 - auc_86:
 0.5147 - val_loss: 0.7496 - val_auc_86: 0.5120
 Epoch 147/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7839 - auc_86:
 0.5122 - val_loss: 0.8301 - val_auc_86: 0.5089
 Epoch 148/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7666 - auc_86:
 0.5134 - val_loss: 0.7107 - val_auc_86: 0.5088
 Epoch 149/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_86:
 0.5124 - val_loss: 0.7412 - val_auc_86: 0.5088
 Epoch 150/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7925 - auc_86:
 0.5149 - val_loss: 0.7929 - val_auc_86: 0.5135
 Epoch 151/500

267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_86:
0.5145 - val_loss: 0.7409 - val_auc_86: 0.5108
Epoch 152/500
267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_86:
0.5144 - val_loss: 0.8388 - val_auc_86: 0.5054
Epoch 153/500
267/267 [=====] - 1s 3ms/step - loss: 0.8033 - auc_86:
0.5123 - val_loss: 0.7440 - val_auc_86: 0.5059
Epoch 154/500
267/267 [=====] - 1s 3ms/step - loss: 0.8105 - auc_86:
0.5140 - val_loss: 0.7762 - val_auc_86: 0.5084
Epoch 155/500
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_86:
0.5123 - val_loss: 0.7689 - val_auc_86: 0.5056
Epoch 156/500
267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_86:
0.5134 - val_loss: 0.7449 - val_auc_86: 0.5157
Epoch 157/500
267/267 [=====] - 1s 3ms/step - loss: 0.7921 - auc_86:
0.5138 - val_loss: 0.7665 - val_auc_86: 0.5102
Epoch 158/500
267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_86:
0.5155 - val_loss: 0.7368 - val_auc_86: 0.5050
Epoch 159/500
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_86:
0.5132 - val_loss: 0.7458 - val_auc_86: 0.5054
Epoch 160/500
267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_86:
0.5153 - val_loss: 0.7460 - val_auc_86: 0.5034
Epoch 161/500
267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_86:
0.5143 - val_loss: 0.8481 - val_auc_86: 0.5051
Epoch 162/500
267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_86:
0.5143 - val_loss: 0.7370 - val_auc_86: 0.5056
Epoch 163/500
267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_86:
0.5153 - val_loss: 0.8307 - val_auc_86: 0.4989
Epoch 164/500
267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_86:
0.5147 - val_loss: 0.7616 - val_auc_86: 0.5111
Epoch 165/500
267/267 [=====] - 1s 3ms/step - loss: 0.7877 - auc_86:
0.5160 - val_loss: 0.7983 - val_auc_86: 0.5083
Epoch 166/500
267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_86:
0.5144 - val_loss: 0.7465 - val_auc_86: 0.5138
Epoch 167/500

267/267 [=====] - 1s 3ms/step - loss: 0.7678 - auc_86:
0.5152 - val_loss: 0.7425 - val_auc_86: 0.5073
Epoch 168/500
267/267 [=====] - 1s 3ms/step - loss: 0.8137 - auc_86:
0.5126 - val_loss: 0.9339 - val_auc_86: 0.5033
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 0.7984 - auc_86:
0.5131 - val_loss: 0.8946 - val_auc_86: 0.5091
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_86:
0.5120 - val_loss: 0.7916 - val_auc_86: 0.5127
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_86:
0.5118 - val_loss: 0.7730 - val_auc_86: 0.5123
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_86:
0.5143 - val_loss: 0.8014 - val_auc_86: 0.5074
Epoch 173/500
267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_86:
0.5150 - val_loss: 0.8310 - val_auc_86: 0.5065
Epoch 174/500
267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_86:
0.5140 - val_loss: 0.8146 - val_auc_86: 0.5047
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_86:
0.5151 - val_loss: 0.7191 - val_auc_86: 0.5139
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_86:
0.5132 - val_loss: 0.8151 - val_auc_86: 0.5022
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 0.7689 - auc_86:
0.5163 - val_loss: 0.8782 - val_auc_86: 0.5069
Epoch 178/500
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_86:
0.5164 - val_loss: 0.8483 - val_auc_86: 0.5002
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_86:
0.5134 - val_loss: 0.8058 - val_auc_86: 0.5102
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_86:
0.5128 - val_loss: 0.7573 - val_auc_86: 0.5083
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_86:
0.5117 - val_loss: 0.8230 - val_auc_86: 0.5060
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 0.7658 - auc_86:
0.5162 - val_loss: 0.7501 - val_auc_86: 0.5058
Epoch 183/500

267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_86:
0.5138 - val_loss: 0.8349 - val_auc_86: 0.5105
Epoch 184/500
267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_86:
0.5157 - val_loss: 0.7682 - val_auc_86: 0.5099
Epoch 185/500
267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_86:
0.5158 - val_loss: 0.7927 - val_auc_86: 0.5080
Epoch 186/500
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_86:
0.5145 - val_loss: 0.7970 - val_auc_86: 0.5046
Epoch 187/500
267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_86:
0.5167 - val_loss: 0.7904 - val_auc_86: 0.5082
Epoch 188/500
267/267 [=====] - 1s 3ms/step - loss: 0.7947 - auc_86:
0.5139 - val_loss: 0.8335 - val_auc_86: 0.5041
Epoch 189/500
267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_86:
0.5174 - val_loss: 0.7501 - val_auc_86: 0.5061
Epoch 190/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_86:
0.5144 - val_loss: 0.7337 - val_auc_86: 0.5113
Epoch 191/500
267/267 [=====] - 1s 3ms/step - loss: 0.7923 - auc_86:
0.5163 - val_loss: 0.7998 - val_auc_86: 0.5074
Epoch 192/500
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_86:
0.5129 - val_loss: 0.7398 - val_auc_86: 0.5070
Epoch 193/500
267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_86:
0.5156 - val_loss: 0.8186 - val_auc_86: 0.5120
Epoch 194/500
267/267 [=====] - 1s 3ms/step - loss: 0.7634 - auc_86:
0.5147 - val_loss: 0.7467 - val_auc_86: 0.5077
Epoch 195/500
267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_86:
0.5138 - val_loss: 0.7565 - val_auc_86: 0.5039
Epoch 196/500
267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_86:
0.5144 - val_loss: 0.7553 - val_auc_86: 0.5067
Epoch 197/500
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_86:
0.5135 - val_loss: 0.7622 - val_auc_86: 0.5035
Epoch 198/500
267/267 [=====] - 1s 3ms/step - loss: 0.7981 - auc_86:
0.5137 - val_loss: 0.7904 - val_auc_86: 0.5061
Epoch 199/500

267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_86:
0.5139 - val_loss: 0.7345 - val_auc_86: 0.5083
Epoch 200/500
267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_86:
0.5155 - val_loss: 0.7686 - val_auc_86: 0.5042
Epoch 201/500
267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_86:
0.5169 - val_loss: 0.7565 - val_auc_86: 0.5109
Epoch 202/500
267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_86:
0.5135 - val_loss: 0.7784 - val_auc_86: 0.5106
Epoch 203/500
267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_86:
0.5140 - val_loss: 0.7447 - val_auc_86: 0.5010
Epoch 204/500
267/267 [=====] - 1s 3ms/step - loss: 0.7688 - auc_86:
0.5153 - val_loss: 0.7280 - val_auc_86: 0.5076
Epoch 205/500
267/267 [=====] - 1s 3ms/step - loss: 0.7942 - auc_86:
0.5136 - val_loss: 0.7775 - val_auc_86: 0.4995
Epoch 206/500
267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_86:
0.5137 - val_loss: 0.7765 - val_auc_86: 0.5065
Epoch 207/500
267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_86:
0.5146 - val_loss: 0.7416 - val_auc_86: 0.5069
Epoch 208/500
267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_86:
0.5145 - val_loss: 0.7168 - val_auc_86: 0.5131
Epoch 209/500
267/267 [=====] - 1s 3ms/step - loss: 0.7731 - auc_86:
0.5158 - val_loss: 0.7238 - val_auc_86: 0.5113
Epoch 210/500
267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_86:
0.5127 - val_loss: 0.8552 - val_auc_86: 0.5042
Epoch 211/500
267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_86:
0.5140 - val_loss: 0.7740 - val_auc_86: 0.5100
Epoch 212/500
267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_86:
0.5156 - val_loss: 0.7298 - val_auc_86: 0.5080
Epoch 213/500
267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_86:
0.5163 - val_loss: 0.7576 - val_auc_86: 0.5104
Epoch 214/500
267/267 [=====] - 1s 3ms/step - loss: 0.7995 - auc_86:
0.5145 - val_loss: 0.7476 - val_auc_86: 0.5146
Epoch 215/500

267/267 [=====] - 1s 3ms/step - loss: 0.7622 - auc_86:
 0.5163 - val_loss: 0.8674 - val_auc_86: 0.5113
 Epoch 216/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_86:
 0.5147 - val_loss: 0.7436 - val_auc_86: 0.5085
 Epoch 217/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_86:
 0.5168 - val_loss: 1.0009 - val_auc_86: 0.5028
 Epoch 218/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_86:
 0.5150 - val_loss: 0.8096 - val_auc_86: 0.5019
 Epoch 219/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_86:
 0.5136 - val_loss: 0.7297 - val_auc_86: 0.5056
 Epoch 220/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_86:
 0.5127 - val_loss: 0.7993 - val_auc_86: 0.5077
 Epoch 221/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_86:
 0.5146 - val_loss: 0.8549 - val_auc_86: 0.5044
 Epoch 222/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_86:
 0.5150 - val_loss: 0.8102 - val_auc_86: 0.5020
 Epoch 223/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_86:
 0.5145 - val_loss: 0.7568 - val_auc_86: 0.5117
 Epoch 224/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_86:
 0.5157 - val_loss: 0.8026 - val_auc_86: 0.5071
 Epoch 225/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_86:
 0.5160 - val_loss: 0.9420 - val_auc_86: 0.5116
 Epoch 226/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_86:
 0.5168 - val_loss: 0.7347 - val_auc_86: 0.5086
 Epoch 227/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_86:
 0.5133 - val_loss: 0.7427 - val_auc_86: 0.5088
 Epoch 228/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7804 - auc_86:
 0.5160 - val_loss: 0.7166 - val_auc_86: 0.5116
 Epoch 229/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_86:
 0.5140 - val_loss: 0.7750 - val_auc_86: 0.4998
 Epoch 230/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_86:
 0.5173 - val_loss: 0.7308 - val_auc_86: 0.5139
 Epoch 231/500

267/267 [=====] - 1s 3ms/step - loss: 0.7990 - auc_86:
0.5147 - val_loss: 0.7122 - val_auc_86: 0.5080
Epoch 232/500
267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_86:
0.5152 - val_loss: 0.9014 - val_auc_86: 0.5054
Epoch 233/500
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_86:
0.5159 - val_loss: 0.7617 - val_auc_86: 0.5131
Epoch 234/500
267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_86:
0.5139 - val_loss: 0.8533 - val_auc_86: 0.5054
Epoch 235/500
267/267 [=====] - 1s 3ms/step - loss: 0.8047 - auc_86:
0.5163 - val_loss: 0.7516 - val_auc_86: 0.5123
Epoch 236/500
267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_86:
0.5148 - val_loss: 0.7749 - val_auc_86: 0.5023
Epoch 237/500
267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_86:
0.5160 - val_loss: 0.7486 - val_auc_86: 0.5036
Epoch 238/500
267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_86:
0.5181 - val_loss: 0.7496 - val_auc_86: 0.5077
Epoch 239/500
267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_86:
0.5155 - val_loss: 0.7216 - val_auc_86: 0.5135
Epoch 240/500
267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_86:
0.5164 - val_loss: 0.7356 - val_auc_86: 0.5068
Epoch 241/500
267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_86:
0.5136 - val_loss: 0.7415 - val_auc_86: 0.5121
Epoch 242/500
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_86:
0.5144 - val_loss: 0.7908 - val_auc_86: 0.5087
Epoch 243/500
267/267 [=====] - 1s 3ms/step - loss: 0.7978 - auc_86:
0.5160 - val_loss: 0.7434 - val_auc_86: 0.5106
Epoch 244/500
267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_86:
0.5144 - val_loss: 0.7280 - val_auc_86: 0.5058
Epoch 245/500
267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_86:
0.5144 - val_loss: 0.7860 - val_auc_86: 0.5120
Epoch 246/500
267/267 [=====] - 1s 3ms/step - loss: 0.8082 - auc_86:
0.5139 - val_loss: 0.9065 - val_auc_86: 0.5064
Epoch 247/500

267/267 [=====] - 1s 3ms/step - loss: 0.8186 - auc_86:
0.5123 - val_loss: 0.7364 - val_auc_86: 0.5092
Epoch 248/500
267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_86:
0.5133 - val_loss: 0.9064 - val_auc_86: 0.5092
Epoch 249/500
267/267 [=====] - 1s 3ms/step - loss: 0.8011 - auc_86:
0.5121 - val_loss: 0.7792 - val_auc_86: 0.5103
Epoch 250/500
267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_86:
0.5162 - val_loss: 0.7470 - val_auc_86: 0.5138
Epoch 251/500
267/267 [=====] - 1s 3ms/step - loss: 0.7899 - auc_86:
0.5178 - val_loss: 0.7881 - val_auc_86: 0.5072
Epoch 252/500
267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_86:
0.5150 - val_loss: 0.8027 - val_auc_86: 0.5079
Epoch 253/500
267/267 [=====] - 1s 3ms/step - loss: 0.8043 - auc_86:
0.5158 - val_loss: 0.8105 - val_auc_86: 0.5069
Epoch 254/500
267/267 [=====] - 1s 3ms/step - loss: 0.7924 - auc_86:
0.5138 - val_loss: 0.8013 - val_auc_86: 0.5120
Epoch 255/500
267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_86:
0.5166 - val_loss: 0.8331 - val_auc_86: 0.5076
Epoch 256/500
267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_86:
0.5127 - val_loss: 0.8100 - val_auc_86: 0.5076
Epoch 257/500
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_86:
0.5138 - val_loss: 0.7333 - val_auc_86: 0.5052
Epoch 258/500
267/267 [=====] - 1s 3ms/step - loss: 0.7683 - auc_86:
0.5171 - val_loss: 0.8792 - val_auc_86: 0.5071
Epoch 259/500
267/267 [=====] - 1s 3ms/step - loss: 0.8239 - auc_86:
0.5131 - val_loss: 0.7915 - val_auc_86: 0.5091
Epoch 260/500
267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_86:
0.5139 - val_loss: 0.8677 - val_auc_86: 0.5050
Epoch 261/500
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_86:
0.5114 - val_loss: 0.7223 - val_auc_86: 0.5094
Epoch 262/500
267/267 [=====] - 1s 3ms/step - loss: 0.7570 - auc_86:
0.5181 - val_loss: 0.7185 - val_auc_86: 0.5117
Epoch 263/500

267/267 [=====] - 1s 3ms/step - loss: 0.7608 - auc_86:
 0.5146 - val_loss: 0.8239 - val_auc_86: 0.5036
 Epoch 264/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8252 - auc_86:
 0.5161 - val_loss: 0.8514 - val_auc_86: 0.5067
 Epoch 265/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_86:
 0.5168 - val_loss: 0.7655 - val_auc_86: 0.5032
 Epoch 266/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_86:
 0.5148 - val_loss: 0.7276 - val_auc_86: 0.5077
 Epoch 267/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_86:
 0.5153 - val_loss: 0.7765 - val_auc_86: 0.5067
 Epoch 268/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7628 - auc_86:
 0.5163 - val_loss: 0.8116 - val_auc_86: 0.5098
 Epoch 269/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_86:
 0.5135 - val_loss: 0.7740 - val_auc_86: 0.5091
 Epoch 270/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_86:
 0.5143 - val_loss: 0.8169 - val_auc_86: 0.5102
 Epoch 271/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7541 - auc_86:
 0.5176 - val_loss: 0.8143 - val_auc_86: 0.5093
 Epoch 272/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_86:
 0.5142 - val_loss: 0.7413 - val_auc_86: 0.5134
 Epoch 273/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7704 - auc_86:
 0.5158 - val_loss: 0.7353 - val_auc_86: 0.5134
 Epoch 274/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7684 - auc_86:
 0.5140 - val_loss: 0.7907 - val_auc_86: 0.5082
 Epoch 275/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_86:
 0.5147 - val_loss: 0.7776 - val_auc_86: 0.5053
 Epoch 276/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7641 - auc_86:
 0.5159 - val_loss: 0.7846 - val_auc_86: 0.5069
 Epoch 277/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_86:
 0.5167 - val_loss: 0.7811 - val_auc_86: 0.5067
 Epoch 278/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7906 - auc_86:
 0.5134 - val_loss: 0.8476 - val_auc_86: 0.5071
 Epoch 279/500

267/267 [=====] - 1s 3ms/step - loss: 0.8130 - auc_86:
0.5154 - val_loss: 0.8190 - val_auc_86: 0.5105
Epoch 280/500
267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_86:
0.5159 - val_loss: 0.7798 - val_auc_86: 0.5043
Epoch 281/500
267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_86:
0.5151 - val_loss: 0.8045 - val_auc_86: 0.5136
Epoch 282/500
267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_86:
0.5152 - val_loss: 0.7842 - val_auc_86: 0.5109
Epoch 283/500
267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_86:
0.5146 - val_loss: 0.9029 - val_auc_86: 0.5012
Epoch 284/500
267/267 [=====] - 1s 3ms/step - loss: 0.7871 - auc_86:
0.5139 - val_loss: 0.7666 - val_auc_86: 0.5069
Epoch 285/500
267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_86:
0.5184 - val_loss: 0.7553 - val_auc_86: 0.5115
Epoch 286/500
267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_86:
0.5159 - val_loss: 0.8077 - val_auc_86: 0.5143
Epoch 287/500
267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_86:
0.5158 - val_loss: 0.7589 - val_auc_86: 0.5088
Epoch 288/500
267/267 [=====] - 1s 3ms/step - loss: 0.8079 - auc_86:
0.5149 - val_loss: 0.7551 - val_auc_86: 0.5063
Epoch 289/500
267/267 [=====] - 1s 3ms/step - loss: 0.7798 - auc_86:
0.5149 - val_loss: 0.8095 - val_auc_86: 0.5138
Epoch 290/500
267/267 [=====] - 1s 3ms/step - loss: 0.8010 - auc_86:
0.5142 - val_loss: 0.7212 - val_auc_86: 0.5106
Epoch 291/500
267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_86:
0.5158 - val_loss: 0.7413 - val_auc_86: 0.5141
Epoch 292/500
267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_86:
0.5146 - val_loss: 0.7912 - val_auc_86: 0.5121
Epoch 293/500
267/267 [=====] - 1s 3ms/step - loss: 0.8064 - auc_86:
0.5157 - val_loss: 0.7243 - val_auc_86: 0.5054
Epoch 294/500
267/267 [=====] - 1s 3ms/step - loss: 0.8125 - auc_86:
0.5151 - val_loss: 0.7697 - val_auc_86: 0.5112
Epoch 295/500

267/267 [=====] - 1s 3ms/step - loss: 0.7740 - auc_86:
0.5141 - val_loss: 0.8193 - val_auc_86: 0.5091
Epoch 296/500
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_86:
0.5174 - val_loss: 0.8428 - val_auc_86: 0.5082
Epoch 297/500
267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_86:
0.5151 - val_loss: 0.7580 - val_auc_86: 0.5030
Epoch 298/500
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_86:
0.5150 - val_loss: 0.8130 - val_auc_86: 0.5086
Epoch 299/500
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_86:
0.5156 - val_loss: 0.7461 - val_auc_86: 0.5042
Epoch 300/500
267/267 [=====] - 1s 3ms/step - loss: 0.8332 - auc_86:
0.5167 - val_loss: 0.9569 - val_auc_86: 0.5038
Epoch 301/500
267/267 [=====] - 1s 3ms/step - loss: 0.7627 - auc_86:
0.5147 - val_loss: 0.7673 - val_auc_86: 0.5106
Epoch 302/500
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_86:
0.5150 - val_loss: 0.7752 - val_auc_86: 0.5100
Epoch 303/500
267/267 [=====] - 1s 3ms/step - loss: 0.7804 - auc_86:
0.5173 - val_loss: 0.9652 - val_auc_86: 0.5134
Epoch 304/500
267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_86:
0.5149 - val_loss: 0.7793 - val_auc_86: 0.5027
Epoch 305/500
267/267 [=====] - 1s 3ms/step - loss: 0.7667 - auc_86:
0.5159 - val_loss: 0.8064 - val_auc_86: 0.5085
Epoch 306/500
267/267 [=====] - 1s 3ms/step - loss: 0.7584 - auc_86:
0.5180 - val_loss: 0.7505 - val_auc_86: 0.5086
Epoch 307/500
267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_86:
0.5156 - val_loss: 0.7702 - val_auc_86: 0.5094
Epoch 308/500
267/267 [=====] - 1s 3ms/step - loss: 0.7645 - auc_86:
0.5156 - val_loss: 0.8150 - val_auc_86: 0.5087
Epoch 309/500
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_86:
0.5174 - val_loss: 0.7251 - val_auc_86: 0.5075
Epoch 310/500
267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_86:
0.5141 - val_loss: 0.8834 - val_auc_86: 0.5022
Epoch 311/500

267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_86:
 0.5112 - val_loss: 0.7786 - val_auc_86: 0.5139
 Epoch 312/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7637 - auc_86:
 0.5163 - val_loss: 0.7436 - val_auc_86: 0.5075
 Epoch 313/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_86:
 0.5173 - val_loss: 0.8314 - val_auc_86: 0.5107
 Epoch 314/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7700 - auc_86:
 0.5165 - val_loss: 0.8296 - val_auc_86: 0.5083
 Epoch 315/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_86:
 0.5163 - val_loss: 0.7981 - val_auc_86: 0.5122
 Epoch 316/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_86:
 0.5155 - val_loss: 0.7506 - val_auc_86: 0.5050
 Epoch 317/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_86:
 0.5135 - val_loss: 0.8412 - val_auc_86: 0.5071
 Epoch 318/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_86:
 0.5156 - val_loss: 0.7347 - val_auc_86: 0.5106
 Epoch 319/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_86:
 0.5160 - val_loss: 0.8800 - val_auc_86: 0.5091
 Epoch 320/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_86:
 0.5161 - val_loss: 0.8084 - val_auc_86: 0.5076
 Epoch 321/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8025 - auc_86:
 0.5164 - val_loss: 0.9448 - val_auc_86: 0.5053
 Epoch 322/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_86:
 0.5157 - val_loss: 0.7346 - val_auc_86: 0.5058
 Epoch 323/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_86:
 0.5154 - val_loss: 0.8397 - val_auc_86: 0.5082
 Epoch 324/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7710 - auc_86:
 0.5167 - val_loss: 0.7847 - val_auc_86: 0.5114
 Epoch 325/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_86:
 0.5163 - val_loss: 0.8654 - val_auc_86: 0.5026
 Epoch 326/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_86:
 0.5162 - val_loss: 0.7853 - val_auc_86: 0.5015
 Epoch 327/500

267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_86:
0.5162 - val_loss: 0.7653 - val_auc_86: 0.5113
Epoch 328/500
267/267 [=====] - 1s 3ms/step - loss: 0.7699 - auc_86:
0.5175 - val_loss: 0.7640 - val_auc_86: 0.5077
Epoch 329/500
267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_86:
0.5154 - val_loss: 0.7231 - val_auc_86: 0.5061
Epoch 330/500
267/267 [=====] - 1s 3ms/step - loss: 0.8086 - auc_86:
0.5133 - val_loss: 0.7329 - val_auc_86: 0.5122
Epoch 331/500
267/267 [=====] - 1s 3ms/step - loss: 0.7675 - auc_86:
0.5174 - val_loss: 0.7888 - val_auc_86: 0.5034
Epoch 332/500
267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_86:
0.5138 - val_loss: 0.7256 - val_auc_86: 0.5121
Epoch 333/500
267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_86:
0.5152 - val_loss: 0.7214 - val_auc_86: 0.5089
Epoch 334/500
267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_86:
0.5185 - val_loss: 0.7541 - val_auc_86: 0.5122
Epoch 335/500
267/267 [=====] - 1s 3ms/step - loss: 0.8048 - auc_86:
0.5189 - val_loss: 0.9385 - val_auc_86: 0.5080
Epoch 336/500
267/267 [=====] - 1s 3ms/step - loss: 0.8078 - auc_86:
0.5173 - val_loss: 0.7465 - val_auc_86: 0.5103
Epoch 337/500
267/267 [=====] - 1s 3ms/step - loss: 0.8059 - auc_86:
0.5160 - val_loss: 0.8416 - val_auc_86: 0.5030
Epoch 338/500
267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_86:
0.5181 - val_loss: 0.7658 - val_auc_86: 0.5044
Epoch 339/500
267/267 [=====] - 1s 3ms/step - loss: 0.7686 - auc_86:
0.5147 - val_loss: 0.7579 - val_auc_86: 0.5116
Epoch 340/500
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_86:
0.5147 - val_loss: 0.7481 - val_auc_86: 0.5095
Epoch 341/500
267/267 [=====] - 1s 3ms/step - loss: 0.7648 - auc_86:
0.5185 - val_loss: 0.7405 - val_auc_86: 0.5110
Epoch 342/500
267/267 [=====] - 1s 4ms/step - loss: 0.7740 - auc_86:
0.5173 - val_loss: 0.7525 - val_auc_86: 0.5068
Epoch 343/500

267/267 [=====] - 1s 3ms/step - loss: 0.8048 - auc_86:
0.5157 - val_loss: 0.7581 - val_auc_86: 0.5046
Epoch 344/500
267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_86:
0.5176 - val_loss: 0.7242 - val_auc_86: 0.5106
Epoch 345/500
267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_86:
0.5156 - val_loss: 0.7982 - val_auc_86: 0.5123
Epoch 346/500
267/267 [=====] - 1s 3ms/step - loss: 0.8083 - auc_86:
0.5168 - val_loss: 0.8817 - val_auc_86: 0.5012
Epoch 347/500
267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_86:
0.5154 - val_loss: 0.7574 - val_auc_86: 0.5145
Epoch 348/500
267/267 [=====] - 1s 3ms/step - loss: 0.7699 - auc_86:
0.5142 - val_loss: 0.7563 - val_auc_86: 0.5088
Epoch 349/500
267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_86:
0.5172 - val_loss: 0.7769 - val_auc_86: 0.5068
Epoch 350/500
267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_86:
0.5155 - val_loss: 0.8114 - val_auc_86: 0.5063
Epoch 351/500
267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_86:
0.5149 - val_loss: 0.7228 - val_auc_86: 0.5076
Epoch 352/500
267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_86:
0.5167 - val_loss: 0.7724 - val_auc_86: 0.5096
Epoch 353/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_86:
0.5192 - val_loss: 0.7458 - val_auc_86: 0.5095
Epoch 354/500
267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_86:
0.5166 - val_loss: 0.7404 - val_auc_86: 0.5077
Epoch 355/500
267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_86:
0.5158 - val_loss: 0.8826 - val_auc_86: 0.5019
Epoch 356/500
267/267 [=====] - 1s 3ms/step - loss: 0.7631 - auc_86:
0.5167 - val_loss: 0.7826 - val_auc_86: 0.5133
Epoch 357/500
267/267 [=====] - 1s 3ms/step - loss: 0.7952 - auc_86:
0.5153 - val_loss: 0.7679 - val_auc_86: 0.5097
Epoch 358/500
267/267 [=====] - 1s 3ms/step - loss: 0.7652 - auc_86:
0.5182 - val_loss: 0.8051 - val_auc_86: 0.5055
Epoch 359/500

267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_86:
0.5159 - val_loss: 0.8152 - val_auc_86: 0.5042
Epoch 360/500
267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_86:
0.5149 - val_loss: 0.7432 - val_auc_86: 0.5035
Epoch 361/500
267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_86:
0.5159 - val_loss: 0.8401 - val_auc_86: 0.5139
Epoch 362/500
267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_86:
0.5167 - val_loss: 0.8949 - val_auc_86: 0.5049
Epoch 363/500
267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_86:
0.5170 - val_loss: 1.0874 - val_auc_86: 0.5093
Epoch 364/500
267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_86:
0.5177 - val_loss: 0.8853 - val_auc_86: 0.5040
Epoch 365/500
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_86:
0.5155 - val_loss: 0.7340 - val_auc_86: 0.5127
Epoch 366/500
267/267 [=====] - 1s 3ms/step - loss: 0.8212 - auc_86:
0.5142 - val_loss: 0.8120 - val_auc_86: 0.5035
Epoch 367/500
267/267 [=====] - 1s 3ms/step - loss: 0.7660 - auc_86:
0.5157 - val_loss: 0.7380 - val_auc_86: 0.5090
Epoch 368/500
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_86:
0.5176 - val_loss: 0.7913 - val_auc_86: 0.5050
Epoch 369/500
267/267 [=====] - 1s 3ms/step - loss: 0.8243 - auc_86:
0.5169 - val_loss: 0.7928 - val_auc_86: 0.5100
Epoch 370/500
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_86:
0.5166 - val_loss: 0.7549 - val_auc_86: 0.5106
Epoch 371/500
267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_86:
0.5154 - val_loss: 0.7986 - val_auc_86: 0.5110
Epoch 372/500
267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_86:
0.5181 - val_loss: 0.7304 - val_auc_86: 0.5106
Epoch 373/500
267/267 [=====] - 1s 3ms/step - loss: 0.7618 - auc_86:
0.5173 - val_loss: 0.9617 - val_auc_86: 0.5031
Epoch 374/500
267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_86:
0.5161 - val_loss: 0.7675 - val_auc_86: 0.5081
Epoch 375/500

267/267 [=====] - 1s 3ms/step - loss: 0.7695 - auc_86:
 0.5158 - val_loss: 0.7614 - val_auc_86: 0.5107
 Epoch 376/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8169 - auc_86:
 0.5172 - val_loss: 0.8765 - val_auc_86: 0.5091
 Epoch 377/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_86:
 0.5154 - val_loss: 0.7758 - val_auc_86: 0.5033
 Epoch 378/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_86:
 0.5159 - val_loss: 0.8480 - val_auc_86: 0.5116
 Epoch 379/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_86:
 0.5175 - val_loss: 0.7433 - val_auc_86: 0.5089
 Epoch 380/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8003 - auc_86:
 0.5169 - val_loss: 0.7725 - val_auc_86: 0.5092
 Epoch 381/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8144 - auc_86:
 0.5171 - val_loss: 1.0329 - val_auc_86: 0.5035
 Epoch 382/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_86:
 0.5160 - val_loss: 0.7398 - val_auc_86: 0.5050
 Epoch 383/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8002 - auc_86:
 0.5175 - val_loss: 0.7755 - val_auc_86: 0.5056
 Epoch 384/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7892 - auc_86:
 0.5163 - val_loss: 0.7984 - val_auc_86: 0.5044
 Epoch 385/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_86:
 0.5169 - val_loss: 0.7496 - val_auc_86: 0.5131
 Epoch 386/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_86:
 0.5158 - val_loss: 0.7137 - val_auc_86: 0.5119
 Epoch 387/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7647 - auc_86:
 0.5175 - val_loss: 0.7182 - val_auc_86: 0.5090
 Epoch 388/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7666 - auc_86:
 0.5153 - val_loss: 0.7304 - val_auc_86: 0.5101
 Epoch 389/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8100 - auc_86:
 0.5144 - val_loss: 0.7897 - val_auc_86: 0.5158
 Epoch 390/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_86:
 0.5169 - val_loss: 0.7383 - val_auc_86: 0.5057
 Epoch 391/500

267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_86:
 0.5145 - val_loss: 0.7943 - val_auc_86: 0.5106
 Epoch 392/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7684 - auc_86:
 0.5150 - val_loss: 0.7558 - val_auc_86: 0.5068
 Epoch 393/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7773 - auc_86:
 0.5193 - val_loss: 0.7692 - val_auc_86: 0.5130
 Epoch 394/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_86:
 0.5176 - val_loss: 0.7495 - val_auc_86: 0.5063
 Epoch 395/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_86:
 0.5143 - val_loss: 0.7307 - val_auc_86: 0.5071
 Epoch 396/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_86:
 0.5190 - val_loss: 0.8353 - val_auc_86: 0.5083
 Epoch 397/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7649 - auc_86:
 0.5175 - val_loss: 0.7127 - val_auc_86: 0.5114
 Epoch 398/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_86:
 0.5160 - val_loss: 0.7407 - val_auc_86: 0.5052
 Epoch 399/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_86:
 0.5184 - val_loss: 0.7801 - val_auc_86: 0.5095
 Epoch 400/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_86:
 0.5177 - val_loss: 0.7448 - val_auc_86: 0.5124
 Epoch 401/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_86:
 0.5177 - val_loss: 0.7896 - val_auc_86: 0.5024
 Epoch 402/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8001 - auc_86:
 0.5161 - val_loss: 0.8051 - val_auc_86: 0.5116
 Epoch 403/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_86:
 0.5161 - val_loss: 0.8336 - val_auc_86: 0.5079
 Epoch 404/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_86:
 0.5165 - val_loss: 0.7344 - val_auc_86: 0.5095
 Epoch 405/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_86:
 0.5184 - val_loss: 0.8310 - val_auc_86: 0.5095
 Epoch 406/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8072 - auc_86:
 0.5178 - val_loss: 0.7763 - val_auc_86: 0.4991
 Epoch 407/500

267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_86:
0.5164 - val_loss: 0.7685 - val_auc_86: 0.5037
Epoch 408/500
267/267 [=====] - 1s 3ms/step - loss: 0.7569 - auc_86:
0.5174 - val_loss: 0.8082 - val_auc_86: 0.5062
Epoch 409/500
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_86:
0.5164 - val_loss: 0.7398 - val_auc_86: 0.5086
Epoch 410/500
267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_86:
0.5173 - val_loss: 0.7323 - val_auc_86: 0.5089
Epoch 411/500
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_86:
0.5162 - val_loss: 0.8718 - val_auc_86: 0.5063
Epoch 412/500
267/267 [=====] - 1s 3ms/step - loss: 0.7697 - auc_86:
0.5163 - val_loss: 0.8696 - val_auc_86: 0.5024
Epoch 413/500
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_86:
0.5176 - val_loss: 0.7524 - val_auc_86: 0.5107
Epoch 414/500
267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_86:
0.5157 - val_loss: 0.7714 - val_auc_86: 0.5154
Epoch 415/500
267/267 [=====] - 1s 3ms/step - loss: 0.7677 - auc_86:
0.5161 - val_loss: 0.7251 - val_auc_86: 0.5138
Epoch 416/500
267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_86:
0.5174 - val_loss: 0.7174 - val_auc_86: 0.5101
Epoch 417/500
267/267 [=====] - 1s 3ms/step - loss: 0.8000 - auc_86:
0.5142 - val_loss: 0.7553 - val_auc_86: 0.5114
Epoch 418/500
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_86:
0.5175 - val_loss: 0.8032 - val_auc_86: 0.5134
Epoch 419/500
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_86:
0.5174 - val_loss: 0.7195 - val_auc_86: 0.5057
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_86:
0.5169 - val_loss: 0.7567 - val_auc_86: 0.5130
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_86:
0.5180 - val_loss: 0.8539 - val_auc_86: 0.5054
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 0.7773 - auc_86:
0.5172 - val_loss: 0.7615 - val_auc_86: 0.5154
Epoch 423/500

267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_86:
0.5172 - val_loss: 0.8350 - val_auc_86: 0.5086
Epoch 424/500
267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_86:
0.5189 - val_loss: 0.7432 - val_auc_86: 0.5053
Epoch 425/500
267/267 [=====] - 1s 3ms/step - loss: 0.8094 - auc_86:
0.5171 - val_loss: 0.9652 - val_auc_86: 0.5124
Epoch 426/500
267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_86:
0.5183 - val_loss: 0.8194 - val_auc_86: 0.5063
Epoch 427/500
267/267 [=====] - 1s 3ms/step - loss: 0.7689 - auc_86:
0.5136 - val_loss: 0.7581 - val_auc_86: 0.5156
Epoch 428/500
267/267 [=====] - 1s 3ms/step - loss: 0.7900 - auc_86:
0.5177 - val_loss: 0.7640 - val_auc_86: 0.5126
Epoch 429/500
267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_86:
0.5176 - val_loss: 0.7491 - val_auc_86: 0.5050
Epoch 430/500
267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_86:
0.5168 - val_loss: 0.9145 - val_auc_86: 0.5117
Epoch 431/500
267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_86:
0.5168 - val_loss: 0.7936 - val_auc_86: 0.5037
Epoch 432/500
267/267 [=====] - 1s 3ms/step - loss: 0.8039 - auc_86:
0.5176 - val_loss: 0.8179 - val_auc_86: 0.5083
Epoch 433/500
267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_86:
0.5173 - val_loss: 0.7344 - val_auc_86: 0.5076
Epoch 434/500
267/267 [=====] - 1s 3ms/step - loss: 0.7497 - auc_86:
0.5170 - val_loss: 0.8081 - val_auc_86: 0.5034
Epoch 435/500
267/267 [=====] - 1s 3ms/step - loss: 0.7629 - auc_86:
0.5168 - val_loss: 0.7896 - val_auc_86: 0.5035
Epoch 436/500
267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_86:
0.5173 - val_loss: 0.9430 - val_auc_86: 0.5097
Epoch 437/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_86:
0.5193 - val_loss: 0.7212 - val_auc_86: 0.5143
Epoch 438/500
267/267 [=====] - 1s 3ms/step - loss: 0.7643 - auc_86:
0.5177 - val_loss: 0.7690 - val_auc_86: 0.5075
Epoch 439/500

267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_86:
 0.5150 - val_loss: 0.7530 - val_auc_86: 0.5097
 Epoch 440/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_86:
 0.5152 - val_loss: 0.7218 - val_auc_86: 0.5123
 Epoch 441/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_86:
 0.5164 - val_loss: 0.7155 - val_auc_86: 0.5134
 Epoch 442/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8112 - auc_86:
 0.5181 - val_loss: 0.7502 - val_auc_86: 0.5117
 Epoch 443/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_86:
 0.5181 - val_loss: 0.7747 - val_auc_86: 0.5107
 Epoch 444/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7592 - auc_86:
 0.5173 - val_loss: 0.7359 - val_auc_86: 0.5076
 Epoch 445/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8011 - auc_86:
 0.5170 - val_loss: 0.8281 - val_auc_86: 0.5095
 Epoch 446/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_86:
 0.5188 - val_loss: 0.7206 - val_auc_86: 0.5097
 Epoch 447/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_86:
 0.5163 - val_loss: 0.7576 - val_auc_86: 0.5150
 Epoch 448/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7975 - auc_86:
 0.5153 - val_loss: 0.7242 - val_auc_86: 0.5109
 Epoch 449/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_86:
 0.5135 - val_loss: 0.7409 - val_auc_86: 0.5061
 Epoch 450/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_86:
 0.5174 - val_loss: 0.7403 - val_auc_86: 0.5122
 Epoch 451/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7663 - auc_86:
 0.5170 - val_loss: 0.7496 - val_auc_86: 0.5129
 Epoch 452/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7664 - auc_86:
 0.5176 - val_loss: 0.7554 - val_auc_86: 0.5129
 Epoch 453/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_86:
 0.5155 - val_loss: 0.8281 - val_auc_86: 0.5129
 Epoch 454/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_86:
 0.5167 - val_loss: 0.7223 - val_auc_86: 0.5097
 Epoch 455/500

267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_86:
0.5166 - val_loss: 0.7715 - val_auc_86: 0.5090
Epoch 456/500
267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_86:
0.5172 - val_loss: 0.9424 - val_auc_86: 0.5083
Epoch 457/500
267/267 [=====] - 1s 3ms/step - loss: 0.8061 - auc_86:
0.5199 - val_loss: 0.8056 - val_auc_86: 0.5036
Epoch 458/500
267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_86:
0.5162 - val_loss: 0.7358 - val_auc_86: 0.5117
Epoch 459/500
267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_86:
0.5173 - val_loss: 0.7568 - val_auc_86: 0.5086
Epoch 460/500
267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_86:
0.5160 - val_loss: 0.7710 - val_auc_86: 0.5104
Epoch 461/500
267/267 [=====] - 1s 3ms/step - loss: 0.7622 - auc_86:
0.5196 - val_loss: 0.8226 - val_auc_86: 0.5036
Epoch 462/500
267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_86:
0.5164 - val_loss: 0.7653 - val_auc_86: 0.5135
Epoch 463/500
267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_86:
0.5164 - val_loss: 1.1279 - val_auc_86: 0.5085
Epoch 464/500
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_86:
0.5174 - val_loss: 0.7548 - val_auc_86: 0.5132
Epoch 465/500
267/267 [=====] - 1s 3ms/step - loss: 0.7919 - auc_86:
0.5181 - val_loss: 0.8031 - val_auc_86: 0.5056
Epoch 466/500
267/267 [=====] - 1s 3ms/step - loss: 0.8357 - auc_86:
0.5161 - val_loss: 0.7297 - val_auc_86: 0.5119
Epoch 467/500
267/267 [=====] - 1s 3ms/step - loss: 0.7652 - auc_86:
0.5184 - val_loss: 0.7780 - val_auc_86: 0.5076
Epoch 468/500
267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_86:
0.5183 - val_loss: 0.7650 - val_auc_86: 0.5136
Epoch 469/500
267/267 [=====] - 1s 3ms/step - loss: 0.7990 - auc_86:
0.5179 - val_loss: 0.8821 - val_auc_86: 0.5078
Epoch 470/500
267/267 [=====] - 1s 3ms/step - loss: 0.7927 - auc_86:
0.5168 - val_loss: 0.7359 - val_auc_86: 0.5058
Epoch 471/500

267/267 [=====] - 1s 3ms/step - loss: 0.7682 - auc_86:
0.5171 - val_loss: 0.7472 - val_auc_86: 0.5081
Epoch 472/500
267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_86:
0.5161 - val_loss: 0.9075 - val_auc_86: 0.5098
Epoch 473/500
267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_86:
0.5179 - val_loss: 0.8877 - val_auc_86: 0.5102
Epoch 474/500
267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_86:
0.5164 - val_loss: 0.7403 - val_auc_86: 0.5064
Epoch 475/500
267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_86:
0.5175 - val_loss: 0.7276 - val_auc_86: 0.5101
Epoch 476/500
267/267 [=====] - 1s 3ms/step - loss: 0.7921 - auc_86:
0.5184 - val_loss: 0.8033 - val_auc_86: 0.5107
Epoch 477/500
267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_86:
0.5169 - val_loss: 0.7846 - val_auc_86: 0.5087
Epoch 478/500
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_86:
0.5193 - val_loss: 0.7502 - val_auc_86: 0.5096
Epoch 479/500
267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_86:
0.5154 - val_loss: 0.7914 - val_auc_86: 0.5074
Epoch 480/500
267/267 [=====] - 1s 3ms/step - loss: 0.7993 - auc_86:
0.5159 - val_loss: 0.7443 - val_auc_86: 0.5080
Epoch 481/500
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_86:
0.5187 - val_loss: 0.9473 - val_auc_86: 0.5139
Epoch 482/500
267/267 [=====] - 1s 3ms/step - loss: 0.7923 - auc_86:
0.5190 - val_loss: 0.7474 - val_auc_86: 0.5121
Epoch 483/500
267/267 [=====] - 1s 3ms/step - loss: 0.7684 - auc_86:
0.5181 - val_loss: 0.7522 - val_auc_86: 0.5077
Epoch 484/500
267/267 [=====] - 1s 3ms/step - loss: 0.7899 - auc_86:
0.5148 - val_loss: 0.8307 - val_auc_86: 0.5081
Epoch 485/500
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_86:
0.5168 - val_loss: 0.7359 - val_auc_86: 0.5109
Epoch 486/500
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_86:
0.5164 - val_loss: 0.7231 - val_auc_86: 0.5163
Epoch 487/500

```

267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_86:
0.5184 - val_loss: 0.7537 - val_auc_86: 0.5101
Epoch 488/500
267/267 [=====] - 1s 3ms/step - loss: 0.7717 - auc_86:
0.5188 - val_loss: 0.7700 - val_auc_86: 0.5128
Epoch 489/500
267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_86:
0.5165 - val_loss: 1.0440 - val_auc_86: 0.5131
Epoch 490/500
267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_86:
0.5145 - val_loss: 0.8151 - val_auc_86: 0.5121
Epoch 491/500
267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_86:
0.5155 - val_loss: 0.8529 - val_auc_86: 0.5099
Epoch 492/500
267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_86:
0.5166 - val_loss: 0.8023 - val_auc_86: 0.5084
Epoch 493/500
267/267 [=====] - 1s 3ms/step - loss: 0.7639 - auc_86:
0.5187 - val_loss: 0.7484 - val_auc_86: 0.5102
Epoch 494/500
267/267 [=====] - 1s 3ms/step - loss: 0.8202 - auc_86:
0.5158 - val_loss: 0.7156 - val_auc_86: 0.5097
Epoch 495/500
267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_86:
0.5175 - val_loss: 0.8429 - val_auc_86: 0.5083
Epoch 496/500
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_86:
0.5167 - val_loss: 0.7751 - val_auc_86: 0.5124
Epoch 497/500
267/267 [=====] - 1s 3ms/step - loss: 0.7671 - auc_86:
0.5191 - val_loss: 0.8489 - val_auc_86: 0.5105
Epoch 498/500
267/267 [=====] - 1s 3ms/step - loss: 0.8282 - auc_86:
0.5190 - val_loss: 0.7821 - val_auc_86: 0.5036
Epoch 499/500
267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_86:
0.5202 - val_loss: 0.8518 - val_auc_86: 0.5093
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_86:
0.5165 - val_loss: 0.7756 - val_auc_86: 0.5088
625/625 [=====] - 0s 573us/step
[CV] ... epochs=500, learning_rate=0.001, score=0.512, total= 6.6min
[CV] epochs=500, learning_rate=0.001 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 2.7224 - auc_87:
0.5047 - val_loss: 1.0251 - val_auc_87: 0.5097
Epoch 2/500

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267/267 [=====] - 1s 3ms/step - loss: 0.9564 - auc_87:
0.5054 - val_loss: 0.9116 - val_auc_87: 0.5048
Epoch 3/500
267/267 [=====] - 1s 3ms/step - loss: 0.9045 - auc_87:
0.5068 - val_loss: 0.8517 - val_auc_87: 0.5042
Epoch 4/500
267/267 [=====] - 1s 3ms/step - loss: 0.8908 - auc_87:
0.5057 - val_loss: 0.9391 - val_auc_87: 0.5085
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 0.8790 - auc_87:
0.5054 - val_loss: 0.8653 - val_auc_87: 0.5064
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 0.8625 - auc_87:
0.5061 - val_loss: 0.8367 - val_auc_87: 0.5069
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 0.8461 - auc_87:
0.5036 - val_loss: 0.8531 - val_auc_87: 0.5061
Epoch 8/500
267/267 [=====] - 1s 3ms/step - loss: 0.8495 - auc_87:
0.5037 - val_loss: 0.9371 - val_auc_87: 0.5087
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 0.8654 - auc_87:
0.5051 - val_loss: 0.9157 - val_auc_87: 0.5021
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 0.8357 - auc_87:
0.5048 - val_loss: 0.8204 - val_auc_87: 0.5079
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 0.8215 - auc_87:
0.5077 - val_loss: 0.8172 - val_auc_87: 0.5073
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 0.8575 - auc_87:
0.5055 - val_loss: 0.8435 - val_auc_87: 0.5094
Epoch 13/500
267/267 [=====] - 1s 3ms/step - loss: 0.8240 - auc_87:
0.5028 - val_loss: 0.8199 - val_auc_87: 0.5073
Epoch 14/500
267/267 [=====] - 1s 3ms/step - loss: 0.8328 - auc_87:
0.5067 - val_loss: 0.7681 - val_auc_87: 0.5072
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 0.8441 - auc_87:
0.5070 - val_loss: 0.8279 - val_auc_87: 0.5072
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 0.8209 - auc_87:
0.5067 - val_loss: 0.7973 - val_auc_87: 0.5060
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 0.8413 - auc_87:
0.5058 - val_loss: 0.8281 - val_auc_87: 0.5070
Epoch 18/500

267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_87:
0.5063 - val_loss: 0.7931 - val_auc_87: 0.5068
Epoch 19/500
267/267 [=====] - 1s 3ms/step - loss: 0.8184 - auc_87:
0.5064 - val_loss: 0.8415 - val_auc_87: 0.5065
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 0.8214 - auc_87:
0.5075 - val_loss: 0.8658 - val_auc_87: 0.5067
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 0.7999 - auc_87:
0.5051 - val_loss: 0.7724 - val_auc_87: 0.5067
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 0.8097 - auc_87:
0.5067 - val_loss: 0.7780 - val_auc_87: 0.5083
Epoch 23/500
267/267 [=====] - 1s 3ms/step - loss: 0.8184 - auc_87:
0.5058 - val_loss: 0.8952 - val_auc_87: 0.5095
Epoch 24/500
267/267 [=====] - 1s 3ms/step - loss: 0.8233 - auc_87:
0.5044 - val_loss: 0.8461 - val_auc_87: 0.5061
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 0.8026 - auc_87:
0.5051 - val_loss: 0.7658 - val_auc_87: 0.5109
Epoch 26/500
267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_87:
0.5068 - val_loss: 0.7847 - val_auc_87: 0.5102
Epoch 27/500
267/267 [=====] - 1s 3ms/step - loss: 0.7996 - auc_87:
0.5053 - val_loss: 0.8297 - val_auc_87: 0.5099
Epoch 28/500
267/267 [=====] - 1s 3ms/step - loss: 0.8149 - auc_87:
0.5063 - val_loss: 0.8601 - val_auc_87: 0.5040
Epoch 29/500
267/267 [=====] - 1s 3ms/step - loss: 0.8028 - auc_87:
0.5049 - val_loss: 0.8254 - val_auc_87: 0.5105
Epoch 30/500
267/267 [=====] - 1s 3ms/step - loss: 0.8125 - auc_87:
0.5066 - val_loss: 0.8183 - val_auc_87: 0.5065
Epoch 31/500
267/267 [=====] - 1s 3ms/step - loss: 0.8201 - auc_87:
0.5072 - val_loss: 0.7711 - val_auc_87: 0.5103
Epoch 32/500
267/267 [=====] - 1s 3ms/step - loss: 0.8310 - auc_87:
0.5067 - val_loss: 0.8478 - val_auc_87: 0.5020
Epoch 33/500
267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_87:
0.5080 - val_loss: 0.7644 - val_auc_87: 0.5049
Epoch 34/500

267/267 [=====] - 1s 3ms/step - loss: 0.8094 - auc_87:
0.5080 - val_loss: 0.8218 - val_auc_87: 0.5076
Epoch 35/500
267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_87:
0.5092 - val_loss: 0.8402 - val_auc_87: 0.5078
Epoch 36/500
267/267 [=====] - 1s 3ms/step - loss: 0.7990 - auc_87:
0.5090 - val_loss: 0.7827 - val_auc_87: 0.5073
Epoch 37/500
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_87:
0.5065 - val_loss: 0.7647 - val_auc_87: 0.5076
Epoch 38/500
267/267 [=====] - 1s 3ms/step - loss: 0.8168 - auc_87:
0.5053 - val_loss: 0.8011 - val_auc_87: 0.5082
Epoch 39/500
267/267 [=====] - 1s 3ms/step - loss: 0.8091 - auc_87:
0.5060 - val_loss: 0.8038 - val_auc_87: 0.5138
Epoch 40/500
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_87:
0.5070 - val_loss: 0.8026 - val_auc_87: 0.5105
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_87:
0.5071 - val_loss: 0.7713 - val_auc_87: 0.5106
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_87:
0.5069 - val_loss: 0.7983 - val_auc_87: 0.5096
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 0.8000 - auc_87:
0.5065 - val_loss: 0.7942 - val_auc_87: 0.5086
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 0.7980 - auc_87:
0.5074 - val_loss: 0.7371 - val_auc_87: 0.5095
Epoch 45/500
267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_87:
0.5067 - val_loss: 0.7789 - val_auc_87: 0.5069
Epoch 46/500
267/267 [=====] - 1s 3ms/step - loss: 0.8155 - auc_87:
0.5047 - val_loss: 0.8044 - val_auc_87: 0.5078
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 0.7899 - auc_87:
0.5076 - val_loss: 0.7656 - val_auc_87: 0.5095
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 0.7873 - auc_87:
0.5099 - val_loss: 0.8508 - val_auc_87: 0.5095
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 0.8016 - auc_87:
0.5075 - val_loss: 0.7809 - val_auc_87: 0.5085
Epoch 50/500

267/267 [=====] - 1s 3ms/step - loss: 0.8033 - auc_87:
0.5100 - val_loss: 0.8095 - val_auc_87: 0.5084
Epoch 51/500
267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_87:
0.5087 - val_loss: 0.7421 - val_auc_87: 0.5117
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 0.8028 - auc_87:
0.5080 - val_loss: 0.7568 - val_auc_87: 0.5087
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 0.8238 - auc_87:
0.5090 - val_loss: 0.9028 - val_auc_87: 0.5100
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 0.8030 - auc_87:
0.5068 - val_loss: 0.7392 - val_auc_87: 0.5107
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_87:
0.5080 - val_loss: 0.7297 - val_auc_87: 0.5075
Epoch 56/500
267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_87:
0.5091 - val_loss: 0.8085 - val_auc_87: 0.5059
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 0.8016 - auc_87:
0.5082 - val_loss: 0.7766 - val_auc_87: 0.5116
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_87:
0.5112 - val_loss: 0.8558 - val_auc_87: 0.5122
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 0.7952 - auc_87:
0.5069 - val_loss: 0.8462 - val_auc_87: 0.5085
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 0.8007 - auc_87:
0.5075 - val_loss: 0.7359 - val_auc_87: 0.5103
Epoch 61/500
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_87:
0.5079 - val_loss: 0.7482 - val_auc_87: 0.5120
Epoch 62/500
267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_87:
0.5073 - val_loss: 0.7387 - val_auc_87: 0.5127
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 0.8029 - auc_87:
0.5081 - val_loss: 0.9171 - val_auc_87: 0.5124
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_87:
0.5089 - val_loss: 0.7376 - val_auc_87: 0.5080
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 0.8111 - auc_87:
0.5060 - val_loss: 0.8719 - val_auc_87: 0.5067
Epoch 66/500

267/267 [=====] - 1s 3ms/step - loss: 0.8350 - auc_87:
0.5065 - val_loss: 0.7569 - val_auc_87: 0.5076
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_87:
0.5101 - val_loss: 0.7424 - val_auc_87: 0.5079
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 0.7929 - auc_87:
0.5077 - val_loss: 0.7944 - val_auc_87: 0.5106
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_87:
0.5075 - val_loss: 0.8963 - val_auc_87: 0.5129
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 0.7927 - auc_87:
0.5111 - val_loss: 0.7501 - val_auc_87: 0.5072
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 0.8085 - auc_87:
0.5082 - val_loss: 0.7567 - val_auc_87: 0.5087
Epoch 72/500
267/267 [=====] - 1s 3ms/step - loss: 0.7890 - auc_87:
0.5090 - val_loss: 0.8563 - val_auc_87: 0.5090
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_87:
0.5082 - val_loss: 0.7697 - val_auc_87: 0.5097
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_87:
0.5064 - val_loss: 0.8702 - val_auc_87: 0.5101
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_87:
0.5074 - val_loss: 0.7411 - val_auc_87: 0.5114
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_87:
0.5091 - val_loss: 0.8026 - val_auc_87: 0.5032
Epoch 77/500
267/267 [=====] - 1s 3ms/step - loss: 0.7968 - auc_87:
0.5107 - val_loss: 0.7588 - val_auc_87: 0.5120
Epoch 78/500
267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_87:
0.5099 - val_loss: 0.8436 - val_auc_87: 0.5096
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_87:
0.5074 - val_loss: 0.9264 - val_auc_87: 0.5047
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 0.8117 - auc_87:
0.5080 - val_loss: 0.8601 - val_auc_87: 0.5080
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_87:
0.5096 - val_loss: 0.7995 - val_auc_87: 0.5114
Epoch 82/500

267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_87:
0.5098 - val_loss: 0.8622 - val_auc_87: 0.5104
Epoch 83/500
267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_87:
0.5085 - val_loss: 0.7657 - val_auc_87: 0.5085
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_87:
0.5094 - val_loss: 0.7706 - val_auc_87: 0.5090
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 0.8053 - auc_87:
0.5098 - val_loss: 0.7451 - val_auc_87: 0.5129
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 0.8213 - auc_87:
0.5092 - val_loss: 0.7892 - val_auc_87: 0.5114
Epoch 87/500
267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_87:
0.5064 - val_loss: 0.7338 - val_auc_87: 0.5140
Epoch 88/500
267/267 [=====] - 1s 3ms/step - loss: 0.7695 - auc_87:
0.5070 - val_loss: 0.8195 - val_auc_87: 0.5108
Epoch 89/500
267/267 [=====] - 1s 3ms/step - loss: 0.8299 - auc_87:
0.5088 - val_loss: 0.8469 - val_auc_87: 0.5078
Epoch 90/500
267/267 [=====] - 1s 3ms/step - loss: 0.8046 - auc_87:
0.5106 - val_loss: 0.8698 - val_auc_87: 0.5138
Epoch 91/500
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_87:
0.5070 - val_loss: 0.9067 - val_auc_87: 0.5123
Epoch 92/500
267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_87:
0.5093 - val_loss: 0.7672 - val_auc_87: 0.5127
Epoch 93/500
267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_87:
0.5109 - val_loss: 0.7511 - val_auc_87: 0.5083
Epoch 94/500
267/267 [=====] - 1s 3ms/step - loss: 0.7683 - auc_87:
0.5110 - val_loss: 0.7197 - val_auc_87: 0.5068
Epoch 95/500
267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_87:
0.5099 - val_loss: 0.7263 - val_auc_87: 0.5151
Epoch 96/500
267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_87:
0.5088 - val_loss: 0.9293 - val_auc_87: 0.5114
Epoch 97/500
267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_87:
0.5092 - val_loss: 0.7378 - val_auc_87: 0.5113
Epoch 98/500

267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_87:
0.5079 - val_loss: 0.8701 - val_auc_87: 0.5072
Epoch 99/500
267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_87:
0.5115 - val_loss: 0.8096 - val_auc_87: 0.5090
Epoch 100/500
267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_87:
0.5098 - val_loss: 0.7688 - val_auc_87: 0.5107
Epoch 101/500
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_87:
0.5087 - val_loss: 0.8226 - val_auc_87: 0.5095
Epoch 102/500
267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_87:
0.5085 - val_loss: 0.8411 - val_auc_87: 0.5126
Epoch 103/500
267/267 [=====] - 1s 3ms/step - loss: 0.8158 - auc_87:
0.5090 - val_loss: 0.8065 - val_auc_87: 0.5088
Epoch 104/500
267/267 [=====] - 1s 3ms/step - loss: 0.7997 - auc_87:
0.5094 - val_loss: 0.7404 - val_auc_87: 0.5125
Epoch 105/500
267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_87:
0.5087 - val_loss: 0.7522 - val_auc_87: 0.5084
Epoch 106/500
267/267 [=====] - 1s 3ms/step - loss: 0.7653 - auc_87:
0.5098 - val_loss: 0.9014 - val_auc_87: 0.5106
Epoch 107/500
267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_87:
0.5102 - val_loss: 0.7589 - val_auc_87: 0.5096
Epoch 108/500
267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_87:
0.5087 - val_loss: 0.7799 - val_auc_87: 0.5106
Epoch 109/500
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_87:
0.5098 - val_loss: 0.7796 - val_auc_87: 0.5111
Epoch 110/500
267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_87:
0.5104 - val_loss: 0.7661 - val_auc_87: 0.5084
Epoch 111/500
267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_87:
0.5084 - val_loss: 0.7693 - val_auc_87: 0.5072
Epoch 112/500
267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_87:
0.5087 - val_loss: 0.7428 - val_auc_87: 0.5091
Epoch 113/500
267/267 [=====] - 1s 3ms/step - loss: 0.7765 - auc_87:
0.5092 - val_loss: 0.7676 - val_auc_87: 0.5086
Epoch 114/500

267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_87:
0.5096 - val_loss: 0.7265 - val_auc_87: 0.5130
Epoch 115/500
267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_87:
0.5106 - val_loss: 0.7912 - val_auc_87: 0.5085
Epoch 116/500
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_87:
0.5086 - val_loss: 0.8543 - val_auc_87: 0.5127
Epoch 117/500
267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_87:
0.5104 - val_loss: 0.7785 - val_auc_87: 0.5081
Epoch 118/500
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_87:
0.5098 - val_loss: 0.7797 - val_auc_87: 0.5132
Epoch 119/500
267/267 [=====] - 1s 3ms/step - loss: 0.7711 - auc_87:
0.5099 - val_loss: 0.8023 - val_auc_87: 0.5119
Epoch 120/500
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_87:
0.5107 - val_loss: 0.7734 - val_auc_87: 0.5071
Epoch 121/500
267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_87:
0.5089 - val_loss: 0.8562 - val_auc_87: 0.5121
Epoch 122/500
267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_87:
0.5109 - val_loss: 0.7579 - val_auc_87: 0.5082
Epoch 123/500
267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_87:
0.5070 - val_loss: 0.7567 - val_auc_87: 0.5131
Epoch 124/500
267/267 [=====] - 1s 3ms/step - loss: 0.7917 - auc_87:
0.5098 - val_loss: 0.8570 - val_auc_87: 0.5129
Epoch 125/500
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_87:
0.5094 - val_loss: 0.8037 - val_auc_87: 0.5110
Epoch 126/500
267/267 [=====] - 1s 3ms/step - loss: 0.8111 - auc_87:
0.5102 - val_loss: 0.9028 - val_auc_87: 0.5132
Epoch 127/500
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_87:
0.5107 - val_loss: 0.7380 - val_auc_87: 0.5131
Epoch 128/500
267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_87:
0.5102 - val_loss: 1.0533 - val_auc_87: 0.5115
Epoch 129/500
267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_87:
0.5121 - val_loss: 0.8163 - val_auc_87: 0.5103
Epoch 130/500

267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_87:
0.5103 - val_loss: 0.7720 - val_auc_87: 0.5100
Epoch 131/500
267/267 [=====] - 1s 3ms/step - loss: 0.8001 - auc_87:
0.5083 - val_loss: 0.8149 - val_auc_87: 0.5129
Epoch 132/500
267/267 [=====] - 1s 3ms/step - loss: 0.8100 - auc_87:
0.5094 - val_loss: 0.8810 - val_auc_87: 0.5092
Epoch 133/500
267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_87:
0.5090 - val_loss: 0.7725 - val_auc_87: 0.5116
Epoch 134/500
267/267 [=====] - 1s 3ms/step - loss: 0.8145 - auc_87:
0.5085 - val_loss: 0.7543 - val_auc_87: 0.5094
Epoch 135/500
267/267 [=====] - 1s 3ms/step - loss: 0.7642 - auc_87:
0.5111 - val_loss: 0.8073 - val_auc_87: 0.5102
Epoch 136/500
267/267 [=====] - 1s 3ms/step - loss: 0.8214 - auc_87:
0.5083 - val_loss: 0.7389 - val_auc_87: 0.5096
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_87:
0.5103 - val_loss: 0.7769 - val_auc_87: 0.5107
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_87:
0.5101 - val_loss: 0.8488 - val_auc_87: 0.5110
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_87:
0.5108 - val_loss: 0.7443 - val_auc_87: 0.5113
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_87:
0.5094 - val_loss: 0.8171 - val_auc_87: 0.5114
Epoch 141/500
267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_87:
0.5106 - val_loss: 0.7389 - val_auc_87: 0.5065
Epoch 142/500
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_87:
0.5106 - val_loss: 0.7270 - val_auc_87: 0.5117
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_87:
0.5131 - val_loss: 0.8283 - val_auc_87: 0.5126
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_87:
0.5101 - val_loss: 0.7381 - val_auc_87: 0.5109
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_87:
0.5115 - val_loss: 0.7619 - val_auc_87: 0.5134
Epoch 146/500

267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_87:
0.5123 - val_loss: 0.8463 - val_auc_87: 0.5072
Epoch 147/500
267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_87:
0.5135 - val_loss: 0.7770 - val_auc_87: 0.5086
Epoch 148/500
267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_87:
0.5105 - val_loss: 0.7700 - val_auc_87: 0.5142
Epoch 149/500
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_87:
0.5115 - val_loss: 0.7585 - val_auc_87: 0.5121
Epoch 150/500
267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_87:
0.5121 - val_loss: 0.8080 - val_auc_87: 0.5116
Epoch 151/500
267/267 [=====] - 1s 3ms/step - loss: 0.7681 - auc_87:
0.5112 - val_loss: 0.7808 - val_auc_87: 0.5101
Epoch 152/500
267/267 [=====] - 1s 3ms/step - loss: 0.7703 - auc_87:
0.5122 - val_loss: 0.8358 - val_auc_87: 0.5099
Epoch 153/500
267/267 [=====] - 1s 3ms/step - loss: 0.8046 - auc_87:
0.5119 - val_loss: 0.7707 - val_auc_87: 0.5117
Epoch 154/500
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_87:
0.5108 - val_loss: 0.8127 - val_auc_87: 0.5157
Epoch 155/500
267/267 [=====] - 1s 3ms/step - loss: 0.7921 - auc_87:
0.5110 - val_loss: 0.7808 - val_auc_87: 0.5035
Epoch 156/500
267/267 [=====] - 1s 3ms/step - loss: 0.7947 - auc_87:
0.5090 - val_loss: 0.8897 - val_auc_87: 0.5110
Epoch 157/500
267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_87:
0.5104 - val_loss: 0.7894 - val_auc_87: 0.5109
Epoch 158/500
267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_87:
0.5097 - val_loss: 0.8812 - val_auc_87: 0.5067
Epoch 159/500
267/267 [=====] - 1s 3ms/step - loss: 0.8142 - auc_87:
0.5132 - val_loss: 0.9349 - val_auc_87: 0.5118
Epoch 160/500
267/267 [=====] - 1s 3ms/step - loss: 0.8086 - auc_87:
0.5101 - val_loss: 0.8151 - val_auc_87: 0.5135
Epoch 161/500
267/267 [=====] - 1s 3ms/step - loss: 0.7890 - auc_87:
0.5099 - val_loss: 0.7293 - val_auc_87: 0.5121
Epoch 162/500

267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_87:
0.5092 - val_loss: 0.8114 - val_auc_87: 0.5139
Epoch 163/500
267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_87:
0.5124 - val_loss: 0.7614 - val_auc_87: 0.5138
Epoch 164/500
267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_87:
0.5118 - val_loss: 0.7969 - val_auc_87: 0.5097
Epoch 165/500
267/267 [=====] - 1s 3ms/step - loss: 0.7678 - auc_87:
0.5106 - val_loss: 0.7760 - val_auc_87: 0.5088
Epoch 166/500
267/267 [=====] - 1s 3ms/step - loss: 0.7707 - auc_87:
0.5113 - val_loss: 0.7519 - val_auc_87: 0.5110
Epoch 167/500
267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_87:
0.5111 - val_loss: 0.7924 - val_auc_87: 0.5123
Epoch 168/500
267/267 [=====] - 1s 3ms/step - loss: 0.8039 - auc_87:
0.5105 - val_loss: 0.9985 - val_auc_87: 0.5054
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 0.8069 - auc_87:
0.5112 - val_loss: 0.8025 - val_auc_87: 0.5128
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 0.7957 - auc_87:
0.5106 - val_loss: 0.8824 - val_auc_87: 0.5122
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_87:
0.5110 - val_loss: 0.7577 - val_auc_87: 0.5114
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_87:
0.5107 - val_loss: 0.8591 - val_auc_87: 0.5064
Epoch 173/500
267/267 [=====] - 1s 3ms/step - loss: 0.8015 - auc_87:
0.5098 - val_loss: 0.9496 - val_auc_87: 0.5125
Epoch 174/500
267/267 [=====] - 1s 3ms/step - loss: 0.8042 - auc_87:
0.5125 - val_loss: 0.8342 - val_auc_87: 0.5158
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_87:
0.5125 - val_loss: 0.8243 - val_auc_87: 0.5084
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_87:
0.5142 - val_loss: 0.7771 - val_auc_87: 0.5122
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_87:
0.5103 - val_loss: 0.8161 - val_auc_87: 0.5081
Epoch 178/500

267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_87:
0.5122 - val_loss: 0.7865 - val_auc_87: 0.5073
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_87:
0.5111 - val_loss: 0.8017 - val_auc_87: 0.5126
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_87:
0.5121 - val_loss: 0.7709 - val_auc_87: 0.5127
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 0.7685 - auc_87:
0.5106 - val_loss: 0.8348 - val_auc_87: 0.5052
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_87:
0.5118 - val_loss: 0.9088 - val_auc_87: 0.5095
Epoch 183/500
267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_87:
0.5099 - val_loss: 0.7823 - val_auc_87: 0.5070
Epoch 184/500
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_87:
0.5111 - val_loss: 0.8579 - val_auc_87: 0.5169
Epoch 185/500
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_87:
0.5112 - val_loss: 0.8122 - val_auc_87: 0.5104
Epoch 186/500
267/267 [=====] - 1s 3ms/step - loss: 0.7967 - auc_87:
0.5113 - val_loss: 0.7558 - val_auc_87: 0.5149
Epoch 187/500
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_87:
0.5121 - val_loss: 0.7806 - val_auc_87: 0.5101
Epoch 188/500
267/267 [=====] - 1s 3ms/step - loss: 0.7765 - auc_87:
0.5103 - val_loss: 0.7149 - val_auc_87: 0.5128
Epoch 189/500
267/267 [=====] - 1s 3ms/step - loss: 0.7890 - auc_87:
0.5111 - val_loss: 0.8617 - val_auc_87: 0.5085
Epoch 190/500
267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_87:
0.5123 - val_loss: 0.7554 - val_auc_87: 0.5161
Epoch 191/500
267/267 [=====] - 1s 3ms/step - loss: 0.7992 - auc_87:
0.5106 - val_loss: 0.7777 - val_auc_87: 0.5114
Epoch 192/500
267/267 [=====] - 1s 3ms/step - loss: 0.8022 - auc_87:
0.5082 - val_loss: 0.7302 - val_auc_87: 0.5167
Epoch 193/500
267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_87:
0.5123 - val_loss: 0.8207 - val_auc_87: 0.5103
Epoch 194/500

267/267 [=====] - 1s 3ms/step - loss: 0.8161 - auc_87:
0.5115 - val_loss: 0.8075 - val_auc_87: 0.5083
Epoch 195/500
267/267 [=====] - 1s 3ms/step - loss: 0.7661 - auc_87:
0.5131 - val_loss: 0.7661 - val_auc_87: 0.5120
Epoch 196/500
267/267 [=====] - 1s 3ms/step - loss: 0.7658 - auc_87:
0.5116 - val_loss: 0.7504 - val_auc_87: 0.5157
Epoch 197/500
267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_87:
0.5123 - val_loss: 0.7762 - val_auc_87: 0.5131
Epoch 198/500
267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_87:
0.5129 - val_loss: 0.7575 - val_auc_87: 0.5143
Epoch 199/500
267/267 [=====] - 1s 3ms/step - loss: 0.8024 - auc_87:
0.5110 - val_loss: 0.8040 - val_auc_87: 0.5106
Epoch 200/500
267/267 [=====] - 1s 3ms/step - loss: 0.8049 - auc_87:
0.5136 - val_loss: 0.8093 - val_auc_87: 0.5053
Epoch 201/500
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_87:
0.5135 - val_loss: 0.7673 - val_auc_87: 0.5104
Epoch 202/500
267/267 [=====] - 1s 3ms/step - loss: 0.7636 - auc_87:
0.5118 - val_loss: 0.7779 - val_auc_87: 0.5066
Epoch 203/500
267/267 [=====] - 1s 3ms/step - loss: 0.8039 - auc_87:
0.5122 - val_loss: 0.7773 - val_auc_87: 0.5072
Epoch 204/500
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_87:
0.5113 - val_loss: 0.8439 - val_auc_87: 0.5050
Epoch 205/500
267/267 [=====] - 1s 3ms/step - loss: 0.8094 - auc_87:
0.5110 - val_loss: 0.7586 - val_auc_87: 0.5115
Epoch 206/500
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_87:
0.5126 - val_loss: 0.7486 - val_auc_87: 0.5071
Epoch 207/500
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_87:
0.5124 - val_loss: 0.7429 - val_auc_87: 0.5087
Epoch 208/500
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_87:
0.5124 - val_loss: 0.8309 - val_auc_87: 0.5083
Epoch 209/500
267/267 [=====] - 1s 3ms/step - loss: 0.7617 - auc_87:
0.5123 - val_loss: 0.8322 - val_auc_87: 0.5051
Epoch 210/500

267/267 [=====] - 1s 3ms/step - loss: 0.8068 - auc_87:
0.5106 - val_loss: 0.7596 - val_auc_87: 0.5124
Epoch 211/500
267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_87:
0.5137 - val_loss: 0.7756 - val_auc_87: 0.5126
Epoch 212/500
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_87:
0.5131 - val_loss: 0.8070 - val_auc_87: 0.5134
Epoch 213/500
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_87:
0.5139 - val_loss: 0.7453 - val_auc_87: 0.5115
Epoch 214/500
267/267 [=====] - 1s 3ms/step - loss: 0.7638 - auc_87:
0.5144 - val_loss: 0.7841 - val_auc_87: 0.5132
Epoch 215/500
267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_87:
0.5111 - val_loss: 0.8218 - val_auc_87: 0.5090
Epoch 216/500
267/267 [=====] - 1s 3ms/step - loss: 0.7686 - auc_87:
0.5118 - val_loss: 0.7610 - val_auc_87: 0.5073
Epoch 217/500
267/267 [=====] - 1s 3ms/step - loss: 0.7938 - auc_87:
0.5154 - val_loss: 0.8311 - val_auc_87: 0.5114
Epoch 218/500
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_87:
0.5127 - val_loss: 0.7522 - val_auc_87: 0.5053
Epoch 219/500
267/267 [=====] - 1s 3ms/step - loss: 0.7678 - auc_87:
0.5113 - val_loss: 0.7503 - val_auc_87: 0.5057
Epoch 220/500
267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_87:
0.5129 - val_loss: 0.8412 - val_auc_87: 0.5119
Epoch 221/500
267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_87:
0.5109 - val_loss: 0.7419 - val_auc_87: 0.5150
Epoch 222/500
267/267 [=====] - 1s 3ms/step - loss: 0.7580 - auc_87:
0.5140 - val_loss: 0.8159 - val_auc_87: 0.5061
Epoch 223/500
267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_87:
0.5104 - val_loss: 0.8223 - val_auc_87: 0.5104
Epoch 224/500
267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_87:
0.5133 - val_loss: 0.7660 - val_auc_87: 0.5106
Epoch 225/500
267/267 [=====] - 1s 3ms/step - loss: 0.8074 - auc_87:
0.5130 - val_loss: 0.7340 - val_auc_87: 0.5105
Epoch 226/500

267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_87:
 0.5118 - val_loss: 0.7644 - val_auc_87: 0.5096
 Epoch 227/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8181 - auc_87:
 0.5118 - val_loss: 0.8203 - val_auc_87: 0.5075
 Epoch 228/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_87:
 0.5109 - val_loss: 0.7717 - val_auc_87: 0.5062
 Epoch 229/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7636 - auc_87:
 0.5121 - val_loss: 0.8122 - val_auc_87: 0.5090
 Epoch 230/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_87:
 0.5110 - val_loss: 0.7476 - val_auc_87: 0.5149
 Epoch 231/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_87:
 0.5118 - val_loss: 0.7470 - val_auc_87: 0.5157
 Epoch 232/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7620 - auc_87:
 0.5118 - val_loss: 0.8749 - val_auc_87: 0.5149
 Epoch 233/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_87:
 0.5128 - val_loss: 0.8369 - val_auc_87: 0.5102
 Epoch 234/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7960 - auc_87:
 0.5118 - val_loss: 0.8071 - val_auc_87: 0.5070
 Epoch 235/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_87:
 0.5122 - val_loss: 0.7213 - val_auc_87: 0.5140
 Epoch 236/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8063 - auc_87:
 0.5112 - val_loss: 0.8114 - val_auc_87: 0.5105
 Epoch 237/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_87:
 0.5119 - val_loss: 0.7981 - val_auc_87: 0.5046
 Epoch 238/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_87:
 0.5112 - val_loss: 0.9017 - val_auc_87: 0.5120
 Epoch 239/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_87:
 0.5152 - val_loss: 0.7907 - val_auc_87: 0.5122
 Epoch 240/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7992 - auc_87:
 0.5119 - val_loss: 0.7689 - val_auc_87: 0.5119
 Epoch 241/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_87:
 0.5124 - val_loss: 0.7464 - val_auc_87: 0.5129
 Epoch 242/500

267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_87:
0.5123 - val_loss: 0.8777 - val_auc_87: 0.5096
Epoch 243/500
267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_87:
0.5138 - val_loss: 0.7689 - val_auc_87: 0.5143
Epoch 244/500
267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_87:
0.5117 - val_loss: 0.7817 - val_auc_87: 0.5081
Epoch 245/500
267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_87:
0.5129 - val_loss: 0.7377 - val_auc_87: 0.5096
Epoch 246/500
267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_87:
0.5142 - val_loss: 0.8148 - val_auc_87: 0.5173
Epoch 247/500
267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_87:
0.5117 - val_loss: 0.7761 - val_auc_87: 0.5112
Epoch 248/500
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_87:
0.5116 - val_loss: 0.8236 - val_auc_87: 0.5110
Epoch 249/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_87:
0.5135 - val_loss: 0.7855 - val_auc_87: 0.5152
Epoch 250/500
267/267 [=====] - 1s 3ms/step - loss: 0.8070 - auc_87:
0.5102 - val_loss: 0.7807 - val_auc_87: 0.5103
Epoch 251/500
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_87:
0.5132 - val_loss: 0.8101 - val_auc_87: 0.5120
Epoch 252/500
267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_87:
0.5133 - val_loss: 0.9521 - val_auc_87: 0.5091
Epoch 253/500
267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_87:
0.5140 - val_loss: 0.7367 - val_auc_87: 0.5093
Epoch 254/500
267/267 [=====] - 1s 3ms/step - loss: 0.8084 - auc_87:
0.5121 - val_loss: 0.7421 - val_auc_87: 0.5150
Epoch 255/500
267/267 [=====] - 1s 3ms/step - loss: 0.7722 - auc_87:
0.5138 - val_loss: 0.7720 - val_auc_87: 0.5164
Epoch 256/500
267/267 [=====] - 1s 3ms/step - loss: 0.7731 - auc_87:
0.5110 - val_loss: 0.7731 - val_auc_87: 0.5130
Epoch 257/500
267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_87:
0.5116 - val_loss: 0.7142 - val_auc_87: 0.5118
Epoch 258/500

267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_87:
0.5134 - val_loss: 0.7482 - val_auc_87: 0.5111
Epoch 259/500
267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_87:
0.5144 - val_loss: 0.9390 - val_auc_87: 0.5052
Epoch 260/500
267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_87:
0.5133 - val_loss: 0.7264 - val_auc_87: 0.5124
Epoch 261/500
267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_87:
0.5123 - val_loss: 0.7980 - val_auc_87: 0.5136
Epoch 262/500
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_87:
0.5129 - val_loss: 0.8368 - val_auc_87: 0.5135
Epoch 263/500
267/267 [=====] - 1s 3ms/step - loss: 0.8135 - auc_87:
0.5133 - val_loss: 0.7701 - val_auc_87: 0.5139
Epoch 264/500
267/267 [=====] - 1s 3ms/step - loss: 0.7666 - auc_87:
0.5139 - val_loss: 0.7268 - val_auc_87: 0.5101
Epoch 265/500
267/267 [=====] - 1s 3ms/step - loss: 0.7998 - auc_87:
0.5123 - val_loss: 0.7566 - val_auc_87: 0.5124
Epoch 266/500
267/267 [=====] - 1s 3ms/step - loss: 0.7560 - auc_87:
0.5132 - val_loss: 0.7865 - val_auc_87: 0.5092
Epoch 267/500
267/267 [=====] - 1s 3ms/step - loss: 0.7773 - auc_87:
0.5147 - val_loss: 0.7970 - val_auc_87: 0.5091
Epoch 268/500
267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_87:
0.5123 - val_loss: 0.7949 - val_auc_87: 0.5078
Epoch 269/500
267/267 [=====] - 1s 3ms/step - loss: 0.8133 - auc_87:
0.5115 - val_loss: 0.7894 - val_auc_87: 0.5085
Epoch 270/500
267/267 [=====] - 1s 3ms/step - loss: 0.7673 - auc_87:
0.5162 - val_loss: 0.8004 - val_auc_87: 0.5122
Epoch 271/500
267/267 [=====] - 1s 3ms/step - loss: 0.7660 - auc_87:
0.5141 - val_loss: 0.8111 - val_auc_87: 0.5124
Epoch 272/500
267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_87:
0.5148 - val_loss: 0.7980 - val_auc_87: 0.5080
Epoch 273/500
267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_87:
0.5119 - val_loss: 0.8875 - val_auc_87: 0.5092
Epoch 274/500

267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_87:
0.5154 - val_loss: 0.7908 - val_auc_87: 0.5094
Epoch 275/500
267/267 [=====] - 1s 3ms/step - loss: 0.8149 - auc_87:
0.5111 - val_loss: 0.8083 - val_auc_87: 0.5081
Epoch 276/500
267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_87:
0.5125 - val_loss: 0.7537 - val_auc_87: 0.5135
Epoch 277/500
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_87:
0.5150 - val_loss: 0.7905 - val_auc_87: 0.5116
Epoch 278/500
267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_87:
0.5117 - val_loss: 0.7602 - val_auc_87: 0.5114
Epoch 279/500
267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_87:
0.5134 - val_loss: 0.8077 - val_auc_87: 0.5111
Epoch 280/500
267/267 [=====] - 1s 3ms/step - loss: 0.7686 - auc_87:
0.5140 - val_loss: 0.7549 - val_auc_87: 0.5130
Epoch 281/500
267/267 [=====] - 1s 3ms/step - loss: 0.8070 - auc_87:
0.5122 - val_loss: 0.7804 - val_auc_87: 0.5135
Epoch 282/500
267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_87:
0.5131 - val_loss: 0.8316 - val_auc_87: 0.5121
Epoch 283/500
267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_87:
0.5137 - val_loss: 0.7803 - val_auc_87: 0.5089
Epoch 284/500
267/267 [=====] - 1s 3ms/step - loss: 0.7831 - auc_87:
0.5110 - val_loss: 0.7608 - val_auc_87: 0.5127
Epoch 285/500
267/267 [=====] - 1s 3ms/step - loss: 0.7684 - auc_87:
0.5132 - val_loss: 0.7985 - val_auc_87: 0.5117
Epoch 286/500
267/267 [=====] - 1s 3ms/step - loss: 0.8187 - auc_87:
0.5113 - val_loss: 0.8216 - val_auc_87: 0.5083
Epoch 287/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_87:
0.5132 - val_loss: 0.7615 - val_auc_87: 0.5083
Epoch 288/500
267/267 [=====] - 1s 3ms/step - loss: 0.7679 - auc_87:
0.5132 - val_loss: 0.7984 - val_auc_87: 0.5093
Epoch 289/500
267/267 [=====] - 1s 3ms/step - loss: 0.7573 - auc_87:
0.5122 - val_loss: 0.7677 - val_auc_87: 0.5148
Epoch 290/500

267/267 [=====] - 1s 3ms/step - loss: 0.7582 - auc_87:
0.5156 - val_loss: 0.7635 - val_auc_87: 0.5141
Epoch 291/500
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_87:
0.5147 - val_loss: 0.7112 - val_auc_87: 0.5148
Epoch 292/500
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_87:
0.5129 - val_loss: 0.7852 - val_auc_87: 0.5153
Epoch 293/500
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_87:
0.5124 - val_loss: 0.7680 - val_auc_87: 0.5122
Epoch 294/500
267/267 [=====] - 1s 3ms/step - loss: 0.7714 - auc_87:
0.5132 - val_loss: 0.7862 - val_auc_87: 0.5116
Epoch 295/500
267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_87:
0.5143 - val_loss: 0.7417 - val_auc_87: 0.5121
Epoch 296/500
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_87:
0.5153 - val_loss: 0.8167 - val_auc_87: 0.5139
Epoch 297/500
267/267 [=====] - 1s 3ms/step - loss: 0.7711 - auc_87:
0.5151 - val_loss: 0.7670 - val_auc_87: 0.5139
Epoch 298/500
267/267 [=====] - 1s 3ms/step - loss: 0.8067 - auc_87:
0.5144 - val_loss: 0.8775 - val_auc_87: 0.5151
Epoch 299/500
267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_87:
0.5133 - val_loss: 0.8176 - val_auc_87: 0.5071
Epoch 300/500
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_87:
0.5141 - val_loss: 0.8238 - val_auc_87: 0.5052
Epoch 301/500
267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_87:
0.5149 - val_loss: 0.8069 - val_auc_87: 0.5100
Epoch 302/500
267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_87:
0.5146 - val_loss: 0.7434 - val_auc_87: 0.5069
Epoch 303/500
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_87:
0.5145 - val_loss: 0.7182 - val_auc_87: 0.5144
Epoch 304/500
267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_87:
0.5150 - val_loss: 0.8153 - val_auc_87: 0.5103
Epoch 305/500
267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_87:
0.5134 - val_loss: 0.7921 - val_auc_87: 0.5051
Epoch 306/500

267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_87:
0.5139 - val_loss: 0.7491 - val_auc_87: 0.5104
Epoch 307/500
267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_87:
0.5126 - val_loss: 0.7762 - val_auc_87: 0.5142
Epoch 308/500
267/267 [=====] - 1s 3ms/step - loss: 0.7690 - auc_87:
0.5153 - val_loss: 0.7558 - val_auc_87: 0.5094
Epoch 309/500
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_87:
0.5143 - val_loss: 0.7602 - val_auc_87: 0.5145
Epoch 310/500
267/267 [=====] - 1s 3ms/step - loss: 0.7638 - auc_87:
0.5150 - val_loss: 0.7678 - val_auc_87: 0.5086
Epoch 311/500
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_87:
0.5147 - val_loss: 0.8492 - val_auc_87: 0.5116
Epoch 312/500
267/267 [=====] - 1s 3ms/step - loss: 0.8239 - auc_87:
0.5135 - val_loss: 0.7930 - val_auc_87: 0.5051
Epoch 313/500
267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_87:
0.5127 - val_loss: 0.7858 - val_auc_87: 0.5105
Epoch 314/500
267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_87:
0.5130 - val_loss: 0.8052 - val_auc_87: 0.5097
Epoch 315/500
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_87:
0.5123 - val_loss: 0.9063 - val_auc_87: 0.5131
Epoch 316/500
267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_87:
0.5140 - val_loss: 0.7913 - val_auc_87: 0.5072
Epoch 317/500
267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_87:
0.5148 - val_loss: 0.7494 - val_auc_87: 0.5158
Epoch 318/500
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_87:
0.5147 - val_loss: 0.9184 - val_auc_87: 0.5103
Epoch 319/500
267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_87:
0.5126 - val_loss: 0.7699 - val_auc_87: 0.5067
Epoch 320/500
267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_87:
0.5133 - val_loss: 0.8497 - val_auc_87: 0.5077
Epoch 321/500
267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_87:
0.5163 - val_loss: 0.7783 - val_auc_87: 0.5134
Epoch 322/500

267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_87:
0.5143 - val_loss: 0.7417 - val_auc_87: 0.5133
Epoch 323/500
267/267 [=====] - 1s 3ms/step - loss: 0.7573 - auc_87:
0.5141 - val_loss: 0.9082 - val_auc_87: 0.5032
Epoch 324/500
267/267 [=====] - 1s 3ms/step - loss: 0.7995 - auc_87:
0.5101 - val_loss: 0.7483 - val_auc_87: 0.5116
Epoch 325/500
267/267 [=====] - 1s 3ms/step - loss: 0.7717 - auc_87:
0.5143 - val_loss: 0.8306 - val_auc_87: 0.5102
Epoch 326/500
267/267 [=====] - 1s 3ms/step - loss: 0.7630 - auc_87:
0.5160 - val_loss: 0.7294 - val_auc_87: 0.5146
Epoch 327/500
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_87:
0.5142 - val_loss: 0.7867 - val_auc_87: 0.5154
Epoch 328/500
267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_87:
0.5157 - val_loss: 0.8076 - val_auc_87: 0.5114
Epoch 329/500
267/267 [=====] - 1s 3ms/step - loss: 0.8093 - auc_87:
0.5139 - val_loss: 0.8014 - val_auc_87: 0.5166
Epoch 330/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_87:
0.5149 - val_loss: 0.7317 - val_auc_87: 0.5118
Epoch 331/500
267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_87:
0.5131 - val_loss: 0.7475 - val_auc_87: 0.5138
Epoch 332/500
267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_87:
0.5113 - val_loss: 0.8835 - val_auc_87: 0.5092
Epoch 333/500
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_87:
0.5130 - val_loss: 0.8437 - val_auc_87: 0.5067
Epoch 334/500
267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_87:
0.5123 - val_loss: 0.7732 - val_auc_87: 0.5112
Epoch 335/500
267/267 [=====] - 1s 3ms/step - loss: 0.7839 - auc_87:
0.5122 - val_loss: 0.7358 - val_auc_87: 0.5049
Epoch 336/500
267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_87:
0.5144 - val_loss: 0.7721 - val_auc_87: 0.5099
Epoch 337/500
267/267 [=====] - 1s 3ms/step - loss: 0.7606 - auc_87:
0.5133 - val_loss: 0.7431 - val_auc_87: 0.5098
Epoch 338/500

267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_87:
0.5137 - val_loss: 0.7648 - val_auc_87: 0.5105
Epoch 339/500
267/267 [=====] - 1s 3ms/step - loss: 0.7871 - auc_87:
0.5158 - val_loss: 0.7487 - val_auc_87: 0.5113
Epoch 340/500
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_87:
0.5153 - val_loss: 0.7766 - val_auc_87: 0.5107
Epoch 341/500
267/267 [=====] - 1s 3ms/step - loss: 0.7665 - auc_87:
0.5161 - val_loss: 0.8178 - val_auc_87: 0.5130
Epoch 342/500
267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_87:
0.5126 - val_loss: 0.8284 - val_auc_87: 0.5094
Epoch 343/500
267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_87:
0.5135 - val_loss: 0.8663 - val_auc_87: 0.5067
Epoch 344/500
267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_87:
0.5158 - val_loss: 0.8314 - val_auc_87: 0.5125
Epoch 345/500
267/267 [=====] - 1s 3ms/step - loss: 0.7987 - auc_87:
0.5158 - val_loss: 0.7474 - val_auc_87: 0.5118
Epoch 346/500
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_87:
0.5162 - val_loss: 0.7338 - val_auc_87: 0.5090
Epoch 347/500
267/267 [=====] - 1s 3ms/step - loss: 0.7631 - auc_87:
0.5140 - val_loss: 0.7306 - val_auc_87: 0.5101
Epoch 348/500
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_87:
0.5149 - val_loss: 0.7752 - val_auc_87: 0.5112
Epoch 349/500
267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_87:
0.5124 - val_loss: 0.8390 - val_auc_87: 0.5066
Epoch 350/500
267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_87:
0.5134 - val_loss: 0.7192 - val_auc_87: 0.5132
Epoch 351/500
267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_87:
0.5138 - val_loss: 0.7783 - val_auc_87: 0.5151
Epoch 352/500
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_87:
0.5153 - val_loss: 0.8231 - val_auc_87: 0.5137
Epoch 353/500
267/267 [=====] - 1s 3ms/step - loss: 0.7601 - auc_87:
0.5150 - val_loss: 0.7593 - val_auc_87: 0.5117
Epoch 354/500

267/267 [=====] - 1s 3ms/step - loss: 0.7647 - auc_87:
0.5120 - val_loss: 0.8421 - val_auc_87: 0.5126
Epoch 355/500
267/267 [=====] - 1s 3ms/step - loss: 0.8100 - auc_87:
0.5144 - val_loss: 0.7470 - val_auc_87: 0.5125
Epoch 356/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_87:
0.5150 - val_loss: 0.7364 - val_auc_87: 0.5122
Epoch 357/500
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_87:
0.5121 - val_loss: 0.7721 - val_auc_87: 0.5089
Epoch 358/500
267/267 [=====] - 1s 3ms/step - loss: 0.8009 - auc_87:
0.5133 - val_loss: 0.7737 - val_auc_87: 0.5177
Epoch 359/500
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_87:
0.5152 - val_loss: 0.7046 - val_auc_87: 0.5143
Epoch 360/500
267/267 [=====] - 1s 3ms/step - loss: 0.7627 - auc_87:
0.5162 - val_loss: 0.9117 - val_auc_87: 0.5141
Epoch 361/500
267/267 [=====] - 1s 3ms/step - loss: 0.7658 - auc_87:
0.5168 - val_loss: 0.8192 - val_auc_87: 0.5085
Epoch 362/500
267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_87:
0.5137 - val_loss: 0.7308 - val_auc_87: 0.5129
Epoch 363/500
267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_87:
0.5154 - val_loss: 0.7766 - val_auc_87: 0.5107
Epoch 364/500
267/267 [=====] - 1s 3ms/step - loss: 0.8071 - auc_87:
0.5131 - val_loss: 0.7811 - val_auc_87: 0.5096
Epoch 365/500
267/267 [=====] - 1s 3ms/step - loss: 0.7964 - auc_87:
0.5138 - val_loss: 0.9120 - val_auc_87: 0.5070
Epoch 366/500
267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_87:
0.5123 - val_loss: 0.7265 - val_auc_87: 0.5148
Epoch 367/500
267/267 [=====] - 1s 3ms/step - loss: 0.7628 - auc_87:
0.5158 - val_loss: 0.8221 - val_auc_87: 0.5061
Epoch 368/500
267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_87:
0.5140 - val_loss: 0.7397 - val_auc_87: 0.5090
Epoch 369/500
267/267 [=====] - 1s 3ms/step - loss: 0.7648 - auc_87:
0.5151 - val_loss: 0.8358 - val_auc_87: 0.5113
Epoch 370/500

267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_87:
0.5158 - val_loss: 0.7538 - val_auc_87: 0.5079
Epoch 371/500
267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_87:
0.5137 - val_loss: 0.7524 - val_auc_87: 0.5093
Epoch 372/500
267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_87:
0.5137 - val_loss: 0.8850 - val_auc_87: 0.5119
Epoch 373/500
267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_87:
0.5152 - val_loss: 0.8064 - val_auc_87: 0.5156
Epoch 374/500
267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_87:
0.5140 - val_loss: 0.8778 - val_auc_87: 0.5126
Epoch 375/500
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_87:
0.5118 - val_loss: 0.8233 - val_auc_87: 0.5103
Epoch 376/500
267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_87:
0.5144 - val_loss: 0.8492 - val_auc_87: 0.5126
Epoch 377/500
267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_87:
0.5122 - val_loss: 0.7588 - val_auc_87: 0.5117
Epoch 378/500
267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_87:
0.5145 - val_loss: 0.7631 - val_auc_87: 0.5066
Epoch 379/500
267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_87:
0.5153 - val_loss: 0.7401 - val_auc_87: 0.5102
Epoch 380/500
267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_87:
0.5122 - val_loss: 0.7409 - val_auc_87: 0.5121
Epoch 381/500
267/267 [=====] - 1s 3ms/step - loss: 0.7702 - auc_87:
0.5180 - val_loss: 0.7461 - val_auc_87: 0.5086
Epoch 382/500
267/267 [=====] - 1s 3ms/step - loss: 0.8000 - auc_87:
0.5171 - val_loss: 0.8322 - val_auc_87: 0.5133
Epoch 383/500
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_87:
0.5153 - val_loss: 0.7762 - val_auc_87: 0.5154
Epoch 384/500
267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_87:
0.5148 - val_loss: 0.7850 - val_auc_87: 0.5081
Epoch 385/500
267/267 [=====] - 1s 3ms/step - loss: 0.7675 - auc_87:
0.5145 - val_loss: 0.7381 - val_auc_87: 0.5111
Epoch 386/500

267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_87:
 0.5142 - val_loss: 0.7486 - val_auc_87: 0.5151
 Epoch 387/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8001 - auc_87:
 0.5150 - val_loss: 0.8455 - val_auc_87: 0.5137
 Epoch 388/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7629 - auc_87:
 0.5173 - val_loss: 0.7828 - val_auc_87: 0.5091
 Epoch 389/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_87:
 0.5149 - val_loss: 0.8496 - val_auc_87: 0.5159
 Epoch 390/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_87:
 0.5169 - val_loss: 0.7822 - val_auc_87: 0.5133
 Epoch 391/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_87:
 0.5120 - val_loss: 0.7688 - val_auc_87: 0.5072
 Epoch 392/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8201 - auc_87:
 0.5155 - val_loss: 0.7657 - val_auc_87: 0.5168
 Epoch 393/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_87:
 0.5152 - val_loss: 0.7214 - val_auc_87: 0.5130
 Epoch 394/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_87:
 0.5175 - val_loss: 0.8110 - val_auc_87: 0.5144
 Epoch 395/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_87:
 0.5138 - val_loss: 0.8492 - val_auc_87: 0.5116
 Epoch 396/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_87:
 0.5154 - val_loss: 0.7729 - val_auc_87: 0.5131
 Epoch 397/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7888 - auc_87:
 0.5143 - val_loss: 0.7808 - val_auc_87: 0.5123
 Epoch 398/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_87:
 0.5145 - val_loss: 0.7222 - val_auc_87: 0.5171
 Epoch 399/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7630 - auc_87:
 0.5155 - val_loss: 0.7371 - val_auc_87: 0.5181
 Epoch 400/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_87:
 0.5110 - val_loss: 0.7340 - val_auc_87: 0.5062
 Epoch 401/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_87:
 0.5165 - val_loss: 0.7965 - val_auc_87: 0.5112
 Epoch 402/500

267/267 [=====] - 1s 3ms/step - loss: 0.7703 - auc_87:
0.5161 - val_loss: 0.7755 - val_auc_87: 0.5115
Epoch 403/500
267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_87:
0.5143 - val_loss: 0.7493 - val_auc_87: 0.5096
Epoch 404/500
267/267 [=====] - 1s 3ms/step - loss: 0.8010 - auc_87:
0.5169 - val_loss: 0.8452 - val_auc_87: 0.5140
Epoch 405/500
267/267 [=====] - 1s 3ms/step - loss: 0.7738 - auc_87:
0.5164 - val_loss: 0.7707 - val_auc_87: 0.5164
Epoch 406/500
267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_87:
0.5153 - val_loss: 0.7877 - val_auc_87: 0.5114
Epoch 407/500
267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_87:
0.5138 - val_loss: 0.7975 - val_auc_87: 0.5182
Epoch 408/500
267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_87:
0.5143 - val_loss: 0.8951 - val_auc_87: 0.5139
Epoch 409/500
267/267 [=====] - 1s 3ms/step - loss: 0.7635 - auc_87:
0.5152 - val_loss: 0.7971 - val_auc_87: 0.5191
Epoch 410/500
267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_87:
0.5144 - val_loss: 0.7341 - val_auc_87: 0.5155
Epoch 411/500
267/267 [=====] - 1s 3ms/step - loss: 0.7892 - auc_87:
0.5170 - val_loss: 0.7338 - val_auc_87: 0.5142
Epoch 412/500
267/267 [=====] - 1s 3ms/step - loss: 0.7576 - auc_87:
0.5157 - val_loss: 0.7425 - val_auc_87: 0.5115
Epoch 413/500
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_87:
0.5146 - val_loss: 0.9518 - val_auc_87: 0.5076
Epoch 414/500
267/267 [=====] - 1s 3ms/step - loss: 0.7773 - auc_87:
0.5161 - val_loss: 0.8687 - val_auc_87: 0.5054
Epoch 415/500
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_87:
0.5139 - val_loss: 0.7424 - val_auc_87: 0.5105
Epoch 416/500
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_87:
0.5148 - val_loss: 0.7589 - val_auc_87: 0.5119
Epoch 417/500
267/267 [=====] - 1s 3ms/step - loss: 0.7665 - auc_87:
0.5136 - val_loss: 0.7655 - val_auc_87: 0.5083
Epoch 418/500

267/267 [=====] - 1s 3ms/step - loss: 0.8175 - auc_87:
0.5135 - val_loss: 0.7740 - val_auc_87: 0.5005
Epoch 419/500
267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_87:
0.5142 - val_loss: 0.7473 - val_auc_87: 0.5088
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_87:
0.5159 - val_loss: 1.1124 - val_auc_87: 0.5116
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_87:
0.5165 - val_loss: 0.7247 - val_auc_87: 0.5118
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 0.7892 - auc_87:
0.5158 - val_loss: 0.7240 - val_auc_87: 0.5091
Epoch 423/500
267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_87:
0.5138 - val_loss: 0.8234 - val_auc_87: 0.5163
Epoch 424/500
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_87:
0.5141 - val_loss: 0.7934 - val_auc_87: 0.5169
Epoch 425/500
267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_87:
0.5127 - val_loss: 0.7480 - val_auc_87: 0.5152
Epoch 426/500
267/267 [=====] - 1s 3ms/step - loss: 0.7604 - auc_87:
0.5160 - val_loss: 0.7418 - val_auc_87: 0.5089
Epoch 427/500
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_87:
0.5180 - val_loss: 0.8204 - val_auc_87: 0.5175
Epoch 428/500
267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_87:
0.5143 - val_loss: 0.7560 - val_auc_87: 0.5149
Epoch 429/500
267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_87:
0.5147 - val_loss: 0.8278 - val_auc_87: 0.5110
Epoch 430/500
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_87:
0.5160 - val_loss: 0.8462 - val_auc_87: 0.5111
Epoch 431/500
267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_87:
0.5153 - val_loss: 0.7264 - val_auc_87: 0.5133
Epoch 432/500
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_87:
0.5161 - val_loss: 0.7810 - val_auc_87: 0.5151
Epoch 433/500
267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_87:
0.5145 - val_loss: 0.7195 - val_auc_87: 0.5149
Epoch 434/500

267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_87:
0.5152 - val_loss: 0.7958 - val_auc_87: 0.5169
Epoch 435/500
267/267 [=====] - 1s 3ms/step - loss: 0.7685 - auc_87:
0.5160 - val_loss: 0.9052 - val_auc_87: 0.5136
Epoch 436/500
267/267 [=====] - 1s 3ms/step - loss: 0.8222 - auc_87:
0.5134 - val_loss: 0.8613 - val_auc_87: 0.5078
Epoch 437/500
267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_87:
0.5136 - val_loss: 0.7531 - val_auc_87: 0.5168
Epoch 438/500
267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_87:
0.5164 - val_loss: 0.8203 - val_auc_87: 0.5139
Epoch 439/500
267/267 [=====] - 1s 3ms/step - loss: 0.7997 - auc_87:
0.5163 - val_loss: 0.7612 - val_auc_87: 0.5154
Epoch 440/500
267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_87:
0.5150 - val_loss: 0.7994 - val_auc_87: 0.5093
Epoch 441/500
267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_87:
0.5138 - val_loss: 0.8390 - val_auc_87: 0.5160
Epoch 442/500
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_87:
0.5160 - val_loss: 0.7548 - val_auc_87: 0.5114
Epoch 443/500
267/267 [=====] - 1s 3ms/step - loss: 0.7650 - auc_87:
0.5165 - val_loss: 0.7246 - val_auc_87: 0.5127
Epoch 444/500
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_87:
0.5144 - val_loss: 0.8987 - val_auc_87: 0.5107
Epoch 445/500
267/267 [=====] - 1s 3ms/step - loss: 0.8112 - auc_87:
0.5130 - val_loss: 0.7306 - val_auc_87: 0.5113
Epoch 446/500
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_87:
0.5163 - val_loss: 0.7723 - val_auc_87: 0.5092
Epoch 447/500
267/267 [=====] - 1s 3ms/step - loss: 0.7544 - auc_87:
0.5141 - val_loss: 0.8422 - val_auc_87: 0.5145
Epoch 448/500
267/267 [=====] - 1s 3ms/step - loss: 0.7640 - auc_87:
0.5142 - val_loss: 0.7758 - val_auc_87: 0.5148
Epoch 449/500
267/267 [=====] - 1s 3ms/step - loss: 0.7669 - auc_87:
0.5153 - val_loss: 0.7704 - val_auc_87: 0.5111
Epoch 450/500

267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_87:
0.5153 - val_loss: 0.8185 - val_auc_87: 0.5148
Epoch 451/500
267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_87:
0.5156 - val_loss: 0.7886 - val_auc_87: 0.5191
Epoch 452/500
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_87:
0.5149 - val_loss: 0.8426 - val_auc_87: 0.5123
Epoch 453/500
267/267 [=====] - 1s 3ms/step - loss: 0.7677 - auc_87:
0.5175 - val_loss: 0.7222 - val_auc_87: 0.5143
Epoch 454/500
267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_87:
0.5142 - val_loss: 0.9759 - val_auc_87: 0.5092
Epoch 455/500
267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_87:
0.5183 - val_loss: 0.7151 - val_auc_87: 0.5184
Epoch 456/500
267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_87:
0.5179 - val_loss: 0.7496 - val_auc_87: 0.5159
Epoch 457/500
267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_87:
0.5183 - val_loss: 0.7517 - val_auc_87: 0.5161
Epoch 458/500
267/267 [=====] - 1s 3ms/step - loss: 0.7654 - auc_87:
0.5128 - val_loss: 0.7559 - val_auc_87: 0.5142
Epoch 459/500
267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_87:
0.5167 - val_loss: 0.7995 - val_auc_87: 0.5107
Epoch 460/500
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_87:
0.5147 - val_loss: 0.7503 - val_auc_87: 0.5173
Epoch 461/500
267/267 [=====] - 1s 3ms/step - loss: 0.7621 - auc_87:
0.5144 - val_loss: 0.7885 - val_auc_87: 0.5121
Epoch 462/500
267/267 [=====] - 1s 3ms/step - loss: 0.7925 - auc_87:
0.5124 - val_loss: 0.7572 - val_auc_87: 0.5133
Epoch 463/500
267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_87:
0.5145 - val_loss: 0.7486 - val_auc_87: 0.5140
Epoch 464/500
267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_87:
0.5141 - val_loss: 0.7880 - val_auc_87: 0.5123
Epoch 465/500
267/267 [=====] - 1s 3ms/step - loss: 0.8040 - auc_87:
0.5144 - val_loss: 1.0920 - val_auc_87: 0.5151
Epoch 466/500

267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_87:
0.5154 - val_loss: 0.8357 - val_auc_87: 0.5111
Epoch 467/500
267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_87:
0.5142 - val_loss: 0.8016 - val_auc_87: 0.5126
Epoch 468/500
267/267 [=====] - 1s 3ms/step - loss: 0.7616 - auc_87:
0.5151 - val_loss: 0.7294 - val_auc_87: 0.5067
Epoch 469/500
267/267 [=====] - 1s 3ms/step - loss: 0.7663 - auc_87:
0.5162 - val_loss: 0.8875 - val_auc_87: 0.5117
Epoch 470/500
267/267 [=====] - 1s 3ms/step - loss: 0.7675 - auc_87:
0.5134 - val_loss: 0.7437 - val_auc_87: 0.5168
Epoch 471/500
267/267 [=====] - 1s 3ms/step - loss: 0.7740 - auc_87:
0.5162 - val_loss: 0.8259 - val_auc_87: 0.5173
Epoch 472/500
267/267 [=====] - 1s 3ms/step - loss: 0.7697 - auc_87:
0.5162 - val_loss: 0.7544 - val_auc_87: 0.5103
Epoch 473/500
267/267 [=====] - 1s 3ms/step - loss: 0.7503 - auc_87:
0.5157 - val_loss: 0.7436 - val_auc_87: 0.5112
Epoch 474/500
267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_87:
0.5148 - val_loss: 0.7961 - val_auc_87: 0.5105
Epoch 475/500
267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_87:
0.5152 - val_loss: 0.7879 - val_auc_87: 0.5121
Epoch 476/500
267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_87:
0.5161 - val_loss: 0.7131 - val_auc_87: 0.5135
Epoch 477/500
267/267 [=====] - 1s 3ms/step - loss: 0.7714 - auc_87:
0.5178 - val_loss: 0.7345 - val_auc_87: 0.5154
Epoch 478/500
267/267 [=====] - 1s 3ms/step - loss: 0.7639 - auc_87:
0.5149 - val_loss: 0.7853 - val_auc_87: 0.5106
Epoch 479/500
267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_87:
0.5164 - val_loss: 0.8268 - val_auc_87: 0.5091
Epoch 480/500
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_87:
0.5140 - val_loss: 0.8676 - val_auc_87: 0.5112
Epoch 481/500
267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_87:
0.5150 - val_loss: 0.8125 - val_auc_87: 0.5175
Epoch 482/500

267/267 [=====] - 1s 3ms/step - loss: 0.7607 - auc_87:
0.5152 - val_loss: 0.7180 - val_auc_87: 0.5213
Epoch 483/500
267/267 [=====] - 1s 3ms/step - loss: 0.7998 - auc_87:
0.5166 - val_loss: 0.8098 - val_auc_87: 0.5142
Epoch 484/500
267/267 [=====] - 1s 3ms/step - loss: 0.7915 - auc_87:
0.5139 - val_loss: 0.8119 - val_auc_87: 0.5145
Epoch 485/500
267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_87:
0.5158 - val_loss: 0.7647 - val_auc_87: 0.5110
Epoch 486/500
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_87:
0.5139 - val_loss: 0.8229 - val_auc_87: 0.5094
Epoch 487/500
267/267 [=====] - 1s 3ms/step - loss: 0.7610 - auc_87:
0.5180 - val_loss: 0.8086 - val_auc_87: 0.5083
Epoch 488/500
267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_87:
0.5174 - val_loss: 0.7901 - val_auc_87: 0.5150
Epoch 489/500
267/267 [=====] - 1s 3ms/step - loss: 0.8012 - auc_87:
0.5157 - val_loss: 0.8421 - val_auc_87: 0.5148
Epoch 490/500
267/267 [=====] - 1s 3ms/step - loss: 0.8064 - auc_87:
0.5163 - val_loss: 0.8020 - val_auc_87: 0.5176
Epoch 491/500
267/267 [=====] - 1s 3ms/step - loss: 0.8052 - auc_87:
0.5139 - val_loss: 0.7590 - val_auc_87: 0.5141
Epoch 492/500
267/267 [=====] - 1s 3ms/step - loss: 0.7695 - auc_87:
0.5152 - val_loss: 0.7747 - val_auc_87: 0.5157
Epoch 493/500
267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_87:
0.5170 - val_loss: 0.7778 - val_auc_87: 0.5091
Epoch 494/500
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_87:
0.5154 - val_loss: 0.8354 - val_auc_87: 0.5130
Epoch 495/500
267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_87:
0.5171 - val_loss: 0.7541 - val_auc_87: 0.5118
Epoch 496/500
267/267 [=====] - 1s 3ms/step - loss: 0.7671 - auc_87:
0.5149 - val_loss: 0.7396 - val_auc_87: 0.5156
Epoch 497/500
267/267 [=====] - 1s 3ms/step - loss: 0.7984 - auc_87:
0.5126 - val_loss: 0.8533 - val_auc_87: 0.5101
Epoch 498/500

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267/267 [=====] - 1s 3ms/step - loss: 0.7617 - auc_87:
0.5174 - val_loss: 0.7785 - val_auc_87: 0.5196
Epoch 499/500
267/267 [=====] - 1s 3ms/step - loss: 0.7978 - auc_87:
0.5169 - val_loss: 0.7658 - val_auc_87: 0.5110
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 0.7666 - auc_87:
0.5183 - val_loss: 0.7515 - val_auc_87: 0.5122
625/625 [=====] - 0s 577us/step
[CV] ... epochs=500, learning_rate=0.001, score=0.514, total= 6.5min
[CV] epochs=500, learning_rate=0.001 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 2.2904 - auc_88:
0.5018 - val_loss: 1.1290 - val_auc_88: 0.4966
Epoch 2/500
267/267 [=====] - 1s 3ms/step - loss: 1.0870 - auc_88:
0.5064 - val_loss: 1.0666 - val_auc_88: 0.4945
Epoch 3/500
267/267 [=====] - 1s 3ms/step - loss: 1.0035 - auc_88:
0.5048 - val_loss: 1.0731 - val_auc_88: 0.4964
Epoch 4/500
267/267 [=====] - 1s 3ms/step - loss: 0.9677 - auc_88:
0.5058 - val_loss: 1.1374 - val_auc_88: 0.4949
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 0.9548 - auc_88:
0.5039 - val_loss: 0.9418 - val_auc_88: 0.4916
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 0.9637 - auc_88:
0.5040 - val_loss: 1.0181 - val_auc_88: 0.5000
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 0.9447 - auc_88:
0.5027 - val_loss: 0.9174 - val_auc_88: 0.4956
Epoch 8/500
267/267 [=====] - 1s 3ms/step - loss: 0.9109 - auc_88:
0.5055 - val_loss: 0.9357 - val_auc_88: 0.4969
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 0.9160 - auc_88:
0.5059 - val_loss: 0.9769 - val_auc_88: 0.4966
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 0.9055 - auc_88:
0.5053 - val_loss: 0.8751 - val_auc_88: 0.4970
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 0.8791 - auc_88:
0.5079 - val_loss: 0.9254 - val_auc_88: 0.4954
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 0.9050 - auc_88:
0.5063 - val_loss: 0.9899 - val_auc_88: 0.4943
Epoch 13/500

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267/267 [=====] - 1s 3ms/step - loss: 0.8947 - auc_88:
0.5059 - val_loss: 0.9657 - val_auc_88: 0.5009
Epoch 14/500
267/267 [=====] - 1s 3ms/step - loss: 0.8795 - auc_88:
0.5069 - val_loss: 0.8970 - val_auc_88: 0.4964
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 0.8840 - auc_88:
0.5055 - val_loss: 0.9241 - val_auc_88: 0.4993
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 0.8888 - auc_88:
0.5055 - val_loss: 0.9246 - val_auc_88: 0.4951
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 0.8892 - auc_88:
0.5048 - val_loss: 0.8978 - val_auc_88: 0.4960
Epoch 18/500
267/267 [=====] - 1s 3ms/step - loss: 0.8715 - auc_88:
0.5077 - val_loss: 0.8355 - val_auc_88: 0.4961
Epoch 19/500
267/267 [=====] - 1s 3ms/step - loss: 0.8634 - auc_88:
0.5070 - val_loss: 0.8570 - val_auc_88: 0.4954
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 0.8738 - auc_88:
0.5049 - val_loss: 0.8827 - val_auc_88: 0.4958
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 0.8786 - auc_88:
0.5064 - val_loss: 0.8764 - val_auc_88: 0.5008
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 0.8390 - auc_88:
0.5061 - val_loss: 0.8504 - val_auc_88: 0.4992
Epoch 23/500
267/267 [=====] - 1s 3ms/step - loss: 0.8683 - auc_88:
0.5060 - val_loss: 0.8693 - val_auc_88: 0.4953
Epoch 24/500
267/267 [=====] - 1s 4ms/step - loss: 0.8463 - auc_88:
0.5065 - val_loss: 0.8271 - val_auc_88: 0.4960
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 0.8394 - auc_88:
0.5060 - val_loss: 0.8037 - val_auc_88: 0.4970
Epoch 26/500
267/267 [=====] - 1s 4ms/step - loss: 0.8290 - auc_88:
0.5069 - val_loss: 0.8729 - val_auc_88: 0.4977
Epoch 27/500
267/267 [=====] - 1s 4ms/step - loss: 0.8468 - auc_88:
0.5060 - val_loss: 0.8269 - val_auc_88: 0.4975
Epoch 28/500
267/267 [=====] - 1s 4ms/step - loss: 0.8170 - auc_88:
0.5051 - val_loss: 0.8306 - val_auc_88: 0.4967
Epoch 29/500

267/267 [=====] - 1s 4ms/step - loss: 0.8330 - auc_88:
0.5062 - val_loss: 0.8456 - val_auc_88: 0.4966
Epoch 30/500
267/267 [=====] - 1s 4ms/step - loss: 0.8631 - auc_88:
0.5073 - val_loss: 0.8966 - val_auc_88: 0.4965
Epoch 31/500
267/267 [=====] - 1s 4ms/step - loss: 0.8353 - auc_88:
0.5049 - val_loss: 1.0850 - val_auc_88: 0.4980
Epoch 32/500
267/267 [=====] - 1s 4ms/step - loss: 0.8298 - auc_88:
0.5051 - val_loss: 0.8280 - val_auc_88: 0.4964
Epoch 33/500
267/267 [=====] - 1s 4ms/step - loss: 0.8181 - auc_88:
0.5060 - val_loss: 0.8164 - val_auc_88: 0.4971
Epoch 34/500
267/267 [=====] - 1s 3ms/step - loss: 0.8286 - auc_88:
0.5086 - val_loss: 0.8494 - val_auc_88: 0.5033
Epoch 35/500
267/267 [=====] - 1s 3ms/step - loss: 0.8298 - auc_88:
0.5062 - val_loss: 0.8589 - val_auc_88: 0.5021
Epoch 36/500
267/267 [=====] - 1s 4ms/step - loss: 0.8219 - auc_88:
0.5064 - val_loss: 0.7744 - val_auc_88: 0.5019
Epoch 37/500
267/267 [=====] - 1s 4ms/step - loss: 0.8090 - auc_88:
0.5061 - val_loss: 0.7838 - val_auc_88: 0.4984
Epoch 38/500
267/267 [=====] - 1s 4ms/step - loss: 0.8353 - auc_88:
0.5053 - val_loss: 0.8806 - val_auc_88: 0.4970
Epoch 39/500
267/267 [=====] - 1s 5ms/step - loss: 0.8324 - auc_88:
0.5070 - val_loss: 0.9838 - val_auc_88: 0.4962
Epoch 40/500
267/267 [=====] - 1s 4ms/step - loss: 0.8141 - auc_88:
0.5062 - val_loss: 0.8331 - val_auc_88: 0.4975
Epoch 41/500
267/267 [=====] - 1s 4ms/step - loss: 0.8167 - auc_88:
0.5082 - val_loss: 0.8461 - val_auc_88: 0.5009
Epoch 42/500
267/267 [=====] - 1s 4ms/step - loss: 0.8054 - auc_88:
0.5069 - val_loss: 0.8136 - val_auc_88: 0.4964
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 0.8114 - auc_88:
0.5071 - val_loss: 0.8684 - val_auc_88: 0.4995
Epoch 44/500
267/267 [=====] - 1s 4ms/step - loss: 0.8230 - auc_88:
0.5078 - val_loss: 0.9756 - val_auc_88: 0.5014
Epoch 45/500

267/267 [=====] - 1s 4ms/step - loss: 0.8182 - auc_88:
0.5077 - val_loss: 0.7984 - val_auc_88: 0.5017
Epoch 46/500
267/267 [=====] - 1s 5ms/step - loss: 0.8110 - auc_88:
0.5077 - val_loss: 0.8333 - val_auc_88: 0.5014
Epoch 47/500
267/267 [=====] - 1s 4ms/step - loss: 0.8182 - auc_88:
0.5086 - val_loss: 0.8377 - val_auc_88: 0.5041
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 0.8185 - auc_88:
0.5089 - val_loss: 0.7852 - val_auc_88: 0.4979
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 0.8359 - auc_88:
0.5073 - val_loss: 0.7856 - val_auc_88: 0.5020
Epoch 50/500
267/267 [=====] - 1s 3ms/step - loss: 0.8138 - auc_88:
0.5078 - val_loss: 0.8072 - val_auc_88: 0.4954
Epoch 51/500
267/267 [=====] - 1s 3ms/step - loss: 0.8161 - auc_88:
0.5094 - val_loss: 0.8407 - val_auc_88: 0.5045
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 0.8321 - auc_88:
0.5070 - val_loss: 0.9086 - val_auc_88: 0.5027
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 0.8391 - auc_88:
0.5061 - val_loss: 0.8193 - val_auc_88: 0.5031
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 0.8174 - auc_88:
0.5083 - val_loss: 0.8788 - val_auc_88: 0.5051
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_88:
0.5081 - val_loss: 0.8055 - val_auc_88: 0.4995
Epoch 56/500
267/267 [=====] - 1s 3ms/step - loss: 0.8086 - auc_88:
0.5064 - val_loss: 0.7998 - val_auc_88: 0.5040
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 0.8110 - auc_88:
0.5065 - val_loss: 0.9103 - val_auc_88: 0.5027
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 0.8046 - auc_88:
0.5082 - val_loss: 0.7730 - val_auc_88: 0.5022
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 0.8342 - auc_88:
0.5093 - val_loss: 0.9429 - val_auc_88: 0.4989
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 0.8115 - auc_88:
0.5076 - val_loss: 0.8066 - val_auc_88: 0.5062
Epoch 61/500

267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_88:
0.5084 - val_loss: 0.7617 - val_auc_88: 0.5020
Epoch 62/500
267/267 [=====] - 1s 3ms/step - loss: 0.7929 - auc_88:
0.5093 - val_loss: 0.8424 - val_auc_88: 0.5024
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 0.8123 - auc_88:
0.5069 - val_loss: 0.7489 - val_auc_88: 0.5060
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 0.8080 - auc_88:
0.5089 - val_loss: 0.8168 - val_auc_88: 0.5034
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 0.8143 - auc_88:
0.5098 - val_loss: 0.7539 - val_auc_88: 0.4987
Epoch 66/500
267/267 [=====] - 1s 3ms/step - loss: 0.7977 - auc_88:
0.5097 - val_loss: 0.7827 - val_auc_88: 0.5054
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 0.7959 - auc_88:
0.5104 - val_loss: 0.8106 - val_auc_88: 0.5024
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 0.8143 - auc_88:
0.5070 - val_loss: 0.7942 - val_auc_88: 0.5044
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 0.8155 - auc_88:
0.5068 - val_loss: 0.8106 - val_auc_88: 0.5035
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_88:
0.5079 - val_loss: 0.8094 - val_auc_88: 0.5058
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 0.8090 - auc_88:
0.5101 - val_loss: 0.8458 - val_auc_88: 0.5019
Epoch 72/500
267/267 [=====] - 1s 3ms/step - loss: 0.7952 - auc_88:
0.5067 - val_loss: 0.7999 - val_auc_88: 0.5009
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 0.8040 - auc_88:
0.5074 - val_loss: 1.0330 - val_auc_88: 0.5063
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 0.8136 - auc_88:
0.5077 - val_loss: 0.8007 - val_auc_88: 0.5048
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 0.8103 - auc_88:
0.5095 - val_loss: 0.8213 - val_auc_88: 0.5094
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_88:
0.5080 - val_loss: 0.7774 - val_auc_88: 0.5042
Epoch 77/500

267/267 [=====] - 1s 3ms/step - loss: 0.8052 - auc_88:
 0.5088 - val_loss: 0.7602 - val_auc_88: 0.5069
 Epoch 78/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7992 - auc_88:
 0.5059 - val_loss: 0.7692 - val_auc_88: 0.5061
 Epoch 79/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8029 - auc_88:
 0.5085 - val_loss: 0.8780 - val_auc_88: 0.5080
 Epoch 80/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8220 - auc_88:
 0.5101 - val_loss: 0.7729 - val_auc_88: 0.5015
 Epoch 81/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_88:
 0.5107 - val_loss: 0.8437 - val_auc_88: 0.5015
 Epoch 82/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8020 - auc_88:
 0.5072 - val_loss: 0.9549 - val_auc_88: 0.5065
 Epoch 83/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_88:
 0.5082 - val_loss: 0.7328 - val_auc_88: 0.5049
 Epoch 84/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8026 - auc_88:
 0.5098 - val_loss: 0.8360 - val_auc_88: 0.5079
 Epoch 85/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8123 - auc_88:
 0.5092 - val_loss: 0.8155 - val_auc_88: 0.5013
 Epoch 86/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8181 - auc_88:
 0.5106 - val_loss: 0.7817 - val_auc_88: 0.5072
 Epoch 87/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_88:
 0.5094 - val_loss: 0.8589 - val_auc_88: 0.5017
 Epoch 88/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8077 - auc_88:
 0.5062 - val_loss: 0.8143 - val_auc_88: 0.5055
 Epoch 89/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8269 - auc_88:
 0.5093 - val_loss: 0.8002 - val_auc_88: 0.5027
 Epoch 90/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7915 - auc_88:
 0.5103 - val_loss: 0.8693 - val_auc_88: 0.5088
 Epoch 91/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8129 - auc_88:
 0.5111 - val_loss: 0.7936 - val_auc_88: 0.5026
 Epoch 92/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_88:
 0.5089 - val_loss: 0.7907 - val_auc_88: 0.5043
 Epoch 93/500

267/267 [=====] - 1s 3ms/step - loss: 0.8066 - auc_88:
 0.5095 - val_loss: 0.7706 - val_auc_88: 0.5046
 Epoch 94/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8098 - auc_88:
 0.5093 - val_loss: 0.8139 - val_auc_88: 0.5075
 Epoch 95/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_88:
 0.5086 - val_loss: 0.7771 - val_auc_88: 0.5082
 Epoch 96/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_88:
 0.5092 - val_loss: 0.7633 - val_auc_88: 0.5027
 Epoch 97/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8023 - auc_88:
 0.5121 - val_loss: 0.7968 - val_auc_88: 0.5083
 Epoch 98/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8160 - auc_88:
 0.5088 - val_loss: 0.8118 - val_auc_88: 0.5100
 Epoch 99/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_88:
 0.5110 - val_loss: 0.7706 - val_auc_88: 0.5080
 Epoch 100/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8162 - auc_88:
 0.5080 - val_loss: 0.7638 - val_auc_88: 0.5007
 Epoch 101/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_88:
 0.5086 - val_loss: 0.7405 - val_auc_88: 0.4967
 Epoch 102/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7839 - auc_88:
 0.5102 - val_loss: 0.8172 - val_auc_88: 0.5056
 Epoch 103/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8013 - auc_88:
 0.5112 - val_loss: 0.7600 - val_auc_88: 0.5086
 Epoch 104/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7888 - auc_88:
 0.5080 - val_loss: 0.8522 - val_auc_88: 0.5019
 Epoch 105/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7871 - auc_88:
 0.5112 - val_loss: 0.7443 - val_auc_88: 0.5081
 Epoch 106/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7705 - auc_88:
 0.5097 - val_loss: 0.7843 - val_auc_88: 0.5073
 Epoch 107/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_88:
 0.5084 - val_loss: 0.7992 - val_auc_88: 0.5027
 Epoch 108/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7597 - auc_88:
 0.5117 - val_loss: 0.7486 - val_auc_88: 0.5104
 Epoch 109/500

267/267 [=====] - 1s 3ms/step - loss: 0.7991 - auc_88:
0.5136 - val_loss: 0.8025 - val_auc_88: 0.5093
Epoch 110/500
267/267 [=====] - 1s 3ms/step - loss: 0.7937 - auc_88:
0.5089 - val_loss: 0.7929 - val_auc_88: 0.5045
Epoch 111/500
267/267 [=====] - 1s 3ms/step - loss: 0.7919 - auc_88:
0.5084 - val_loss: 0.7609 - val_auc_88: 0.5041
Epoch 112/500
267/267 [=====] - 1s 3ms/step - loss: 0.8008 - auc_88:
0.5097 - val_loss: 0.7609 - val_auc_88: 0.5118
Epoch 113/500
267/267 [=====] - 1s 3ms/step - loss: 0.8178 - auc_88:
0.5105 - val_loss: 0.7646 - val_auc_88: 0.5064
Epoch 114/500
267/267 [=====] - 1s 3ms/step - loss: 0.8077 - auc_88:
0.5097 - val_loss: 0.9870 - val_auc_88: 0.5047
Epoch 115/500
267/267 [=====] - 1s 3ms/step - loss: 0.8116 - auc_88:
0.5090 - val_loss: 0.8006 - val_auc_88: 0.5096
Epoch 116/500
267/267 [=====] - 1s 3ms/step - loss: 0.8227 - auc_88:
0.5105 - val_loss: 0.9103 - val_auc_88: 0.5075
Epoch 117/500
267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_88:
0.5132 - val_loss: 0.8172 - val_auc_88: 0.5112
Epoch 118/500
267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_88:
0.5096 - val_loss: 0.7660 - val_auc_88: 0.5108
Epoch 119/500
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_88:
0.5105 - val_loss: 0.8266 - val_auc_88: 0.5099
Epoch 120/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_88:
0.5086 - val_loss: 0.7242 - val_auc_88: 0.5072
Epoch 121/500
267/267 [=====] - 1s 3ms/step - loss: 0.7944 - auc_88:
0.5103 - val_loss: 0.7350 - val_auc_88: 0.5085
Epoch 122/500
267/267 [=====] - 1s 3ms/step - loss: 0.8255 - auc_88:
0.5076 - val_loss: 0.8310 - val_auc_88: 0.5112
Epoch 123/500
267/267 [=====] - 1s 3ms/step - loss: 0.7729 - auc_88:
0.5114 - val_loss: 0.7429 - val_auc_88: 0.5038
Epoch 124/500
267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_88:
0.5088 - val_loss: 0.8480 - val_auc_88: 0.5078
Epoch 125/500

267/267 [=====] - 1s 3ms/step - loss: 0.8178 - auc_88:
0.5092 - val_loss: 0.7725 - val_auc_88: 0.5089
Epoch 126/500
267/267 [=====] - 1s 3ms/step - loss: 0.8247 - auc_88:
0.5102 - val_loss: 0.8712 - val_auc_88: 0.5062
Epoch 127/500
267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_88:
0.5129 - val_loss: 0.7469 - val_auc_88: 0.5076
Epoch 128/500
267/267 [=====] - 1s 3ms/step - loss: 0.7917 - auc_88:
0.5123 - val_loss: 0.8889 - val_auc_88: 0.5094
Epoch 129/500
267/267 [=====] - 1s 3ms/step - loss: 0.7952 - auc_88:
0.5104 - val_loss: 0.7675 - val_auc_88: 0.5061
Epoch 130/500
267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_88:
0.5075 - val_loss: 0.7688 - val_auc_88: 0.5099
Epoch 131/500
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_88:
0.5132 - val_loss: 0.9264 - val_auc_88: 0.5059
Epoch 132/500
267/267 [=====] - 1s 3ms/step - loss: 0.8248 - auc_88:
0.5097 - val_loss: 0.7610 - val_auc_88: 0.5083
Epoch 133/500
267/267 [=====] - 1s 3ms/step - loss: 0.8021 - auc_88:
0.5111 - val_loss: 0.8007 - val_auc_88: 0.5082
Epoch 134/500
267/267 [=====] - 1s 3ms/step - loss: 0.7996 - auc_88:
0.5127 - val_loss: 0.9266 - val_auc_88: 0.5031
Epoch 135/500
267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_88:
0.5102 - val_loss: 0.8144 - val_auc_88: 0.5090
Epoch 136/500
267/267 [=====] - 1s 3ms/step - loss: 0.8078 - auc_88:
0.5103 - val_loss: 0.7705 - val_auc_88: 0.5069
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_88:
0.5108 - val_loss: 0.7851 - val_auc_88: 0.5072
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 0.8002 - auc_88:
0.5103 - val_loss: 0.7873 - val_auc_88: 0.5092
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 0.7984 - auc_88:
0.5106 - val_loss: 0.8917 - val_auc_88: 0.5070
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 0.8100 - auc_88:
0.5093 - val_loss: 0.7346 - val_auc_88: 0.5078
Epoch 141/500

267/267 [=====] - 1s 3ms/step - loss: 0.8300 - auc_88:
0.5109 - val_loss: 0.7511 - val_auc_88: 0.5049
Epoch 142/500
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_88:
0.5106 - val_loss: 0.7669 - val_auc_88: 0.5089
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_88:
0.5099 - val_loss: 0.7569 - val_auc_88: 0.5072
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 0.8044 - auc_88:
0.5108 - val_loss: 0.7715 - val_auc_88: 0.5062
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_88:
0.5113 - val_loss: 0.8159 - val_auc_88: 0.5114
Epoch 146/500
267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_88:
0.5107 - val_loss: 0.7729 - val_auc_88: 0.5016
Epoch 147/500
267/267 [=====] - 1s 3ms/step - loss: 0.8115 - auc_88:
0.5100 - val_loss: 0.7688 - val_auc_88: 0.5078
Epoch 148/500
267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_88:
0.5105 - val_loss: 0.7908 - val_auc_88: 0.5047
Epoch 149/500
267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_88:
0.5106 - val_loss: 0.8124 - val_auc_88: 0.5051
Epoch 150/500
267/267 [=====] - 1s 3ms/step - loss: 0.8045 - auc_88:
0.5112 - val_loss: 0.7728 - val_auc_88: 0.5043
Epoch 151/500
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_88:
0.5100 - val_loss: 0.7946 - val_auc_88: 0.5043
Epoch 152/500
267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_88:
0.5104 - val_loss: 0.8256 - val_auc_88: 0.5082
Epoch 153/500
267/267 [=====] - 1s 3ms/step - loss: 0.8050 - auc_88:
0.5108 - val_loss: 0.7799 - val_auc_88: 0.5038
Epoch 154/500
267/267 [=====] - 1s 3ms/step - loss: 0.8214 - auc_88:
0.5127 - val_loss: 0.7225 - val_auc_88: 0.5067
Epoch 155/500
267/267 [=====] - 1s 3ms/step - loss: 0.8097 - auc_88:
0.5107 - val_loss: 0.7702 - val_auc_88: 0.5123
Epoch 156/500
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_88:
0.5146 - val_loss: 0.7750 - val_auc_88: 0.5051
Epoch 157/500

267/267 [=====] - 1s 3ms/step - loss: 0.8066 - auc_88:
0.5111 - val_loss: 0.7513 - val_auc_88: 0.5032
Epoch 158/500
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_88:
0.5120 - val_loss: 0.7697 - val_auc_88: 0.5091
Epoch 159/500
267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_88:
0.5116 - val_loss: 0.9513 - val_auc_88: 0.5117
Epoch 160/500
267/267 [=====] - 1s 3ms/step - loss: 0.7711 - auc_88:
0.5134 - val_loss: 0.8154 - val_auc_88: 0.5103
Epoch 161/500
267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_88:
0.5104 - val_loss: 0.7649 - val_auc_88: 0.5114
Epoch 162/500
267/267 [=====] - 1s 3ms/step - loss: 0.7698 - auc_88:
0.5126 - val_loss: 0.7379 - val_auc_88: 0.5064
Epoch 163/500
267/267 [=====] - 1s 3ms/step - loss: 0.8002 - auc_88:
0.5098 - val_loss: 0.8413 - val_auc_88: 0.5054
Epoch 164/500
267/267 [=====] - 1s 3ms/step - loss: 0.7997 - auc_88:
0.5094 - val_loss: 0.8009 - val_auc_88: 0.5145
Epoch 165/500
267/267 [=====] - 1s 3ms/step - loss: 0.7998 - auc_88:
0.5147 - val_loss: 0.8827 - val_auc_88: 0.5074
Epoch 166/500
267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_88:
0.5118 - val_loss: 0.8251 - val_auc_88: 0.5033
Epoch 167/500
267/267 [=====] - 1s 3ms/step - loss: 0.7978 - auc_88:
0.5129 - val_loss: 0.7696 - val_auc_88: 0.5108
Epoch 168/500
267/267 [=====] - 1s 3ms/step - loss: 0.8002 - auc_88:
0.5110 - val_loss: 0.7519 - val_auc_88: 0.5080
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 0.8051 - auc_88:
0.5134 - val_loss: 0.8099 - val_auc_88: 0.5097
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_88:
0.5107 - val_loss: 0.7253 - val_auc_88: 0.5081
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_88:
0.5117 - val_loss: 0.7616 - val_auc_88: 0.5081
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_88:
0.5144 - val_loss: 0.7446 - val_auc_88: 0.5093
Epoch 173/500

267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_88:
0.5098 - val_loss: 0.7800 - val_auc_88: 0.5082
Epoch 174/500
267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_88:
0.5118 - val_loss: 0.7716 - val_auc_88: 0.5115
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_88:
0.5117 - val_loss: 0.7698 - val_auc_88: 0.5106
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 0.8182 - auc_88:
0.5096 - val_loss: 0.8705 - val_auc_88: 0.5120
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_88:
0.5144 - val_loss: 0.7448 - val_auc_88: 0.5041
Epoch 178/500
267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_88:
0.5120 - val_loss: 0.8837 - val_auc_88: 0.5134
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_88:
0.5122 - val_loss: 0.8022 - val_auc_88: 0.5134
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_88:
0.5111 - val_loss: 0.7543 - val_auc_88: 0.5123
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_88:
0.5119 - val_loss: 0.7619 - val_auc_88: 0.5134
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_88:
0.5130 - val_loss: 0.7959 - val_auc_88: 0.5093
Epoch 183/500
267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_88:
0.5126 - val_loss: 0.9713 - val_auc_88: 0.5097
Epoch 184/500
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_88:
0.5105 - val_loss: 0.7736 - val_auc_88: 0.5060
Epoch 185/500
267/267 [=====] - 1s 3ms/step - loss: 0.8158 - auc_88:
0.5118 - val_loss: 0.7629 - val_auc_88: 0.5121
Epoch 186/500
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_88:
0.5110 - val_loss: 0.9158 - val_auc_88: 0.5123
Epoch 187/500
267/267 [=====] - 1s 3ms/step - loss: 0.8059 - auc_88:
0.5108 - val_loss: 0.7500 - val_auc_88: 0.5101
Epoch 188/500
267/267 [=====] - 1s 3ms/step - loss: 0.8017 - auc_88:
0.5113 - val_loss: 0.8444 - val_auc_88: 0.5119
Epoch 189/500

267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_88:
0.5115 - val_loss: 0.8171 - val_auc_88: 0.5091
Epoch 190/500
267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_88:
0.5127 - val_loss: 0.8052 - val_auc_88: 0.5114
Epoch 191/500
267/267 [=====] - 1s 3ms/step - loss: 0.7982 - auc_88:
0.5124 - val_loss: 0.7331 - val_auc_88: 0.5123
Epoch 192/500
267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_88:
0.5102 - val_loss: 0.7409 - val_auc_88: 0.5135
Epoch 193/500
267/267 [=====] - 1s 3ms/step - loss: 0.8050 - auc_88:
0.5135 - val_loss: 0.7587 - val_auc_88: 0.5087
Epoch 194/500
267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_88:
0.5121 - val_loss: 0.8414 - val_auc_88: 0.5075
Epoch 195/500
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_88:
0.5126 - val_loss: 0.7979 - val_auc_88: 0.5096
Epoch 196/500
267/267 [=====] - 1s 3ms/step - loss: 0.7936 - auc_88:
0.5132 - val_loss: 0.8669 - val_auc_88: 0.5091
Epoch 197/500
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_88:
0.5104 - val_loss: 0.7902 - val_auc_88: 0.5082
Epoch 198/500
267/267 [=====] - 1s 4ms/step - loss: 0.7762 - auc_88:
0.5134 - val_loss: 0.9699 - val_auc_88: 0.5086
Epoch 199/500
267/267 [=====] - 1s 4ms/step - loss: 0.8004 - auc_88:
0.5114 - val_loss: 0.8326 - val_auc_88: 0.5081
Epoch 200/500
267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_88:
0.5111 - val_loss: 0.7425 - val_auc_88: 0.5115
Epoch 201/500
267/267 [=====] - 1s 3ms/step - loss: 0.7959 - auc_88:
0.5127 - val_loss: 0.7317 - val_auc_88: 0.5122
Epoch 202/500
267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_88:
0.5127 - val_loss: 0.7714 - val_auc_88: 0.5098
Epoch 203/500
267/267 [=====] - 1s 3ms/step - loss: 0.7585 - auc_88:
0.5137 - val_loss: 0.7349 - val_auc_88: 0.5105
Epoch 204/500
267/267 [=====] - 1s 3ms/step - loss: 0.7994 - auc_88:
0.5134 - val_loss: 0.8057 - val_auc_88: 0.5062
Epoch 205/500

267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_88:
0.5111 - val_loss: 0.7755 - val_auc_88: 0.5153
Epoch 206/500
267/267 [=====] - 1s 3ms/step - loss: 0.7915 - auc_88:
0.5124 - val_loss: 0.7500 - val_auc_88: 0.5130
Epoch 207/500
267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_88:
0.5123 - val_loss: 0.7565 - val_auc_88: 0.5093
Epoch 208/500
267/267 [=====] - 1s 4ms/step - loss: 0.7878 - auc_88:
0.5148 - val_loss: 0.8192 - val_auc_88: 0.5104
Epoch 209/500
267/267 [=====] - 1s 4ms/step - loss: 0.7977 - auc_88:
0.5126 - val_loss: 0.7992 - val_auc_88: 0.5118
Epoch 210/500
267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_88:
0.5125 - val_loss: 0.7954 - val_auc_88: 0.5157
Epoch 211/500
267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_88:
0.5124 - val_loss: 0.7303 - val_auc_88: 0.5101
Epoch 212/500
267/267 [=====] - 1s 3ms/step - loss: 0.7568 - auc_88:
0.5122 - val_loss: 0.7697 - val_auc_88: 0.5109
Epoch 213/500
267/267 [=====] - 1s 3ms/step - loss: 0.7627 - auc_88:
0.5142 - val_loss: 0.7939 - val_auc_88: 0.5061
Epoch 214/500
267/267 [=====] - 1s 3ms/step - loss: 0.8262 - auc_88:
0.5114 - val_loss: 0.7501 - val_auc_88: 0.5088
Epoch 215/500
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_88:
0.5110 - val_loss: 0.7804 - val_auc_88: 0.5111
Epoch 216/500
267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_88:
0.5157 - val_loss: 0.8431 - val_auc_88: 0.5079
Epoch 217/500
267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_88:
0.5126 - val_loss: 0.8021 - val_auc_88: 0.5149
Epoch 218/500
267/267 [=====] - 1s 3ms/step - loss: 0.7656 - auc_88:
0.5124 - val_loss: 0.7983 - val_auc_88: 0.5110
Epoch 219/500
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_88:
0.5123 - val_loss: 0.7364 - val_auc_88: 0.5089
Epoch 220/500
267/267 [=====] - 1s 3ms/step - loss: 0.8122 - auc_88:
0.5132 - val_loss: 0.7353 - val_auc_88: 0.5141
Epoch 221/500

267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_88:
 0.5150 - val_loss: 0.7591 - val_auc_88: 0.5117
 Epoch 222/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_88:
 0.5112 - val_loss: 0.7618 - val_auc_88: 0.5155
 Epoch 223/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7664 - auc_88:
 0.5133 - val_loss: 0.7379 - val_auc_88: 0.5077
 Epoch 224/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8002 - auc_88:
 0.5127 - val_loss: 0.7645 - val_auc_88: 0.5151
 Epoch 225/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_88:
 0.5117 - val_loss: 0.8114 - val_auc_88: 0.5097
 Epoch 226/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_88:
 0.5131 - val_loss: 0.7501 - val_auc_88: 0.5164
 Epoch 227/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8128 - auc_88:
 0.5100 - val_loss: 0.7547 - val_auc_88: 0.5135
 Epoch 228/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7656 - auc_88:
 0.5138 - val_loss: 0.7980 - val_auc_88: 0.5105
 Epoch 229/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_88:
 0.5139 - val_loss: 0.7528 - val_auc_88: 0.5116
 Epoch 230/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_88:
 0.5111 - val_loss: 0.7189 - val_auc_88: 0.5146
 Epoch 231/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7740 - auc_88:
 0.5128 - val_loss: 0.7621 - val_auc_88: 0.5089
 Epoch 232/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_88:
 0.5137 - val_loss: 0.7708 - val_auc_88: 0.5162
 Epoch 233/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_88:
 0.5146 - val_loss: 0.8146 - val_auc_88: 0.5165
 Epoch 234/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7938 - auc_88:
 0.5122 - val_loss: 0.8553 - val_auc_88: 0.5086
 Epoch 235/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_88:
 0.5107 - val_loss: 0.7165 - val_auc_88: 0.5105
 Epoch 236/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_88:
 0.5133 - val_loss: 0.7331 - val_auc_88: 0.5127
 Epoch 237/500

267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_88:
0.5162 - val_loss: 0.8506 - val_auc_88: 0.5105
Epoch 238/500
267/267 [=====] - 1s 3ms/step - loss: 0.8119 - auc_88:
0.5103 - val_loss: 0.7874 - val_auc_88: 0.5122
Epoch 239/500
267/267 [=====] - 1s 3ms/step - loss: 0.7987 - auc_88:
0.5129 - val_loss: 0.7762 - val_auc_88: 0.5047
Epoch 240/500
267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_88:
0.5159 - val_loss: 0.7781 - val_auc_88: 0.5127
Epoch 241/500
267/267 [=====] - 1s 3ms/step - loss: 0.7684 - auc_88:
0.5146 - val_loss: 0.7469 - val_auc_88: 0.5129
Epoch 242/500
267/267 [=====] - 1s 3ms/step - loss: 0.8010 - auc_88:
0.5140 - val_loss: 0.9274 - val_auc_88: 0.5067
Epoch 243/500
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_88:
0.5151 - val_loss: 0.7879 - val_auc_88: 0.5135
Epoch 244/500
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_88:
0.5133 - val_loss: 0.7537 - val_auc_88: 0.5125
Epoch 245/500
267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_88:
0.5111 - val_loss: 0.7686 - val_auc_88: 0.5124
Epoch 246/500
267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_88:
0.5139 - val_loss: 0.7612 - val_auc_88: 0.5125
Epoch 247/500
267/267 [=====] - 1s 3ms/step - loss: 0.7798 - auc_88:
0.5120 - val_loss: 0.7794 - val_auc_88: 0.5082
Epoch 248/500
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_88:
0.5136 - val_loss: 0.7305 - val_auc_88: 0.5158
Epoch 249/500
267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_88:
0.5129 - val_loss: 0.8027 - val_auc_88: 0.5192
Epoch 250/500
267/267 [=====] - 1s 3ms/step - loss: 0.7537 - auc_88:
0.5131 - val_loss: 0.7294 - val_auc_88: 0.5133
Epoch 251/500
267/267 [=====] - 1s 3ms/step - loss: 0.8251 - auc_88:
0.5150 - val_loss: 0.7676 - val_auc_88: 0.5137
Epoch 252/500
267/267 [=====] - 1s 3ms/step - loss: 0.7685 - auc_88:
0.5143 - val_loss: 1.0415 - val_auc_88: 0.5091
Epoch 253/500

267/267 [=====] - 1s 3ms/step - loss: 0.8003 - auc_88:
0.5151 - val_loss: 0.7659 - val_auc_88: 0.5156
Epoch 254/500
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_88:
0.5120 - val_loss: 0.8193 - val_auc_88: 0.5164
Epoch 255/500
267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_88:
0.5121 - val_loss: 0.8602 - val_auc_88: 0.5192
Epoch 256/500
267/267 [=====] - 1s 3ms/step - loss: 0.8092 - auc_88:
0.5134 - val_loss: 0.8481 - val_auc_88: 0.5128
Epoch 257/500
267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_88:
0.5139 - val_loss: 0.7511 - val_auc_88: 0.5144
Epoch 258/500
267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_88:
0.5130 - val_loss: 0.7462 - val_auc_88: 0.5084
Epoch 259/500
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_88:
0.5121 - val_loss: 0.7826 - val_auc_88: 0.5153
Epoch 260/500
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_88:
0.5162 - val_loss: 0.7846 - val_auc_88: 0.5138
Epoch 261/500
267/267 [=====] - 1s 3ms/step - loss: 0.7831 - auc_88:
0.5122 - val_loss: 0.7581 - val_auc_88: 0.5126
Epoch 262/500
267/267 [=====] - 1s 3ms/step - loss: 0.7611 - auc_88:
0.5147 - val_loss: 0.7875 - val_auc_88: 0.5169
Epoch 263/500
267/267 [=====] - 1s 3ms/step - loss: 0.8052 - auc_88:
0.5115 - val_loss: 0.7965 - val_auc_88: 0.5154
Epoch 264/500
267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_88:
0.5138 - val_loss: 0.8834 - val_auc_88: 0.5133
Epoch 265/500
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_88:
0.5138 - val_loss: 0.8281 - val_auc_88: 0.5150
Epoch 266/500
267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_88:
0.5136 - val_loss: 0.7516 - val_auc_88: 0.5102
Epoch 267/500
267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_88:
0.5132 - val_loss: 0.7255 - val_auc_88: 0.5092
Epoch 268/500
267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_88:
0.5137 - val_loss: 0.8525 - val_auc_88: 0.5149
Epoch 269/500

267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_88:
0.5130 - val_loss: 0.7415 - val_auc_88: 0.5097
Epoch 270/500
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_88:
0.5109 - val_loss: 0.7696 - val_auc_88: 0.5145
Epoch 271/500
267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_88:
0.5141 - val_loss: 0.8160 - val_auc_88: 0.5108
Epoch 272/500
267/267 [=====] - 1s 3ms/step - loss: 0.7944 - auc_88:
0.5152 - val_loss: 0.8172 - val_auc_88: 0.5179
Epoch 273/500
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_88:
0.5121 - val_loss: 0.7197 - val_auc_88: 0.5146
Epoch 274/500
267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_88:
0.5110 - val_loss: 0.7422 - val_auc_88: 0.5079
Epoch 275/500
267/267 [=====] - 1s 3ms/step - loss: 0.7990 - auc_88:
0.5128 - val_loss: 0.7690 - val_auc_88: 0.5044
Epoch 276/500
267/267 [=====] - 1s 3ms/step - loss: 0.7661 - auc_88:
0.5123 - val_loss: 0.7762 - val_auc_88: 0.5126
Epoch 277/500
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_88:
0.5154 - val_loss: 0.8190 - val_auc_88: 0.5095
Epoch 278/500
267/267 [=====] - 1s 3ms/step - loss: 0.7653 - auc_88:
0.5143 - val_loss: 0.8135 - val_auc_88: 0.5157
Epoch 279/500
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_88:
0.5138 - val_loss: 0.8107 - val_auc_88: 0.5119
Epoch 280/500
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_88:
0.5112 - val_loss: 0.9083 - val_auc_88: 0.5134
Epoch 281/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_88:
0.5156 - val_loss: 0.8143 - val_auc_88: 0.5077
Epoch 282/500
267/267 [=====] - 1s 3ms/step - loss: 0.8010 - auc_88:
0.5135 - val_loss: 0.7842 - val_auc_88: 0.5113
Epoch 283/500
267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_88:
0.5118 - val_loss: 0.7486 - val_auc_88: 0.5141
Epoch 284/500
267/267 [=====] - 1s 3ms/step - loss: 0.8290 - auc_88:
0.5128 - val_loss: 1.0090 - val_auc_88: 0.5124
Epoch 285/500

267/267 [=====] - 1s 3ms/step - loss: 0.7804 - auc_88:
0.5149 - val_loss: 0.7608 - val_auc_88: 0.5072
Epoch 286/500
267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_88:
0.5138 - val_loss: 0.7634 - val_auc_88: 0.5105
Epoch 287/500
267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_88:
0.5167 - val_loss: 0.8868 - val_auc_88: 0.5173
Epoch 288/500
267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_88:
0.5148 - val_loss: 0.7247 - val_auc_88: 0.5167
Epoch 289/500
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_88:
0.5133 - val_loss: 0.7327 - val_auc_88: 0.5152
Epoch 290/500
267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_88:
0.5143 - val_loss: 0.9042 - val_auc_88: 0.5148
Epoch 291/500
267/267 [=====] - 1s 3ms/step - loss: 0.8033 - auc_88:
0.5135 - val_loss: 0.7110 - val_auc_88: 0.5131
Epoch 292/500
267/267 [=====] - 1s 3ms/step - loss: 0.7828 - auc_88:
0.5185 - val_loss: 0.8519 - val_auc_88: 0.5097
Epoch 293/500
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_88:
0.5148 - val_loss: 0.8374 - val_auc_88: 0.5094
Epoch 294/500
267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_88:
0.5137 - val_loss: 0.7330 - val_auc_88: 0.5155
Epoch 295/500
267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_88:
0.5164 - val_loss: 0.7819 - val_auc_88: 0.5106
Epoch 296/500
267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_88:
0.5140 - val_loss: 0.7794 - val_auc_88: 0.5176
Epoch 297/500
267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_88:
0.5164 - val_loss: 0.7785 - val_auc_88: 0.5133
Epoch 298/500
267/267 [=====] - 1s 3ms/step - loss: 0.7722 - auc_88:
0.5119 - val_loss: 0.7766 - val_auc_88: 0.5150
Epoch 299/500
267/267 [=====] - 1s 3ms/step - loss: 0.7657 - auc_88:
0.5157 - val_loss: 0.8465 - val_auc_88: 0.5123
Epoch 300/500
267/267 [=====] - 1s 3ms/step - loss: 0.8210 - auc_88:
0.5134 - val_loss: 0.8322 - val_auc_88: 0.5131
Epoch 301/500

267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_88:
0.5143 - val_loss: 0.7198 - val_auc_88: 0.5132
Epoch 302/500
267/267 [=====] - 1s 3ms/step - loss: 0.7670 - auc_88:
0.5137 - val_loss: 0.7455 - val_auc_88: 0.5131
Epoch 303/500
267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_88:
0.5151 - val_loss: 0.8084 - val_auc_88: 0.5156
Epoch 304/500
267/267 [=====] - 1s 3ms/step - loss: 0.7585 - auc_88:
0.5158 - val_loss: 0.7965 - val_auc_88: 0.5119
Epoch 305/500
267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_88:
0.5162 - val_loss: 0.7600 - val_auc_88: 0.5188
Epoch 306/500
267/267 [=====] - 1s 3ms/step - loss: 0.8045 - auc_88:
0.5155 - val_loss: 0.7411 - val_auc_88: 0.5090
Epoch 307/500
267/267 [=====] - 1s 3ms/step - loss: 0.7590 - auc_88:
0.5144 - val_loss: 0.7907 - val_auc_88: 0.5131
Epoch 308/500
267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_88:
0.5143 - val_loss: 0.7770 - val_auc_88: 0.5163
Epoch 309/500
267/267 [=====] - 1s 3ms/step - loss: 0.8020 - auc_88:
0.5125 - val_loss: 0.7448 - val_auc_88: 0.5106
Epoch 310/500
267/267 [=====] - 1s 3ms/step - loss: 0.7982 - auc_88:
0.5162 - val_loss: 0.8170 - val_auc_88: 0.5102
Epoch 311/500
267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_88:
0.5134 - val_loss: 0.7280 - val_auc_88: 0.5169
Epoch 312/500
267/267 [=====] - 1s 3ms/step - loss: 0.8101 - auc_88:
0.5146 - val_loss: 0.7824 - val_auc_88: 0.5155
Epoch 313/500
267/267 [=====] - 1s 3ms/step - loss: 0.7976 - auc_88:
0.5153 - val_loss: 0.7377 - val_auc_88: 0.5109
Epoch 314/500
267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_88:
0.5145 - val_loss: 0.7598 - val_auc_88: 0.5138
Epoch 315/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_88:
0.5135 - val_loss: 0.7661 - val_auc_88: 0.5119
Epoch 316/500
267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_88:
0.5150 - val_loss: 0.7752 - val_auc_88: 0.5101
Epoch 317/500

267/267 [=====] - 1s 3ms/step - loss: 0.7677 - auc_88:
0.5152 - val_loss: 0.7766 - val_auc_88: 0.5111
Epoch 318/500
267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_88:
0.5136 - val_loss: 0.7407 - val_auc_88: 0.5181
Epoch 319/500
267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_88:
0.5150 - val_loss: 0.7513 - val_auc_88: 0.5149
Epoch 320/500
267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_88:
0.5149 - val_loss: 0.7583 - val_auc_88: 0.5151
Epoch 321/500
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_88:
0.5130 - val_loss: 0.8126 - val_auc_88: 0.5140
Epoch 322/500
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_88:
0.5159 - val_loss: 0.7633 - val_auc_88: 0.5085
Epoch 323/500
267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_88:
0.5147 - val_loss: 0.7382 - val_auc_88: 0.5165
Epoch 324/500
267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_88:
0.5154 - val_loss: 0.8930 - val_auc_88: 0.5139
Epoch 325/500
267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_88:
0.5143 - val_loss: 0.7757 - val_auc_88: 0.5183
Epoch 326/500
267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_88:
0.5155 - val_loss: 0.8977 - val_auc_88: 0.5148
Epoch 327/500
267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_88:
0.5155 - val_loss: 0.9024 - val_auc_88: 0.5141
Epoch 328/500
267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_88:
0.5168 - val_loss: 0.7997 - val_auc_88: 0.5117
Epoch 329/500
267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_88:
0.5138 - val_loss: 0.8672 - val_auc_88: 0.5103
Epoch 330/500
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_88:
0.5159 - val_loss: 0.7710 - val_auc_88: 0.5121
Epoch 331/500
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_88:
0.5156 - val_loss: 0.8555 - val_auc_88: 0.5192
Epoch 332/500
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_88:
0.5166 - val_loss: 0.8182 - val_auc_88: 0.5151
Epoch 333/500

267/267 [=====] - 1s 3ms/step - loss: 0.8039 - auc_88:
 0.5148 - val_loss: 0.7887 - val_auc_88: 0.5069
 Epoch 334/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_88:
 0.5165 - val_loss: 0.7399 - val_auc_88: 0.5139
 Epoch 335/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_88:
 0.5140 - val_loss: 0.7735 - val_auc_88: 0.5171
 Epoch 336/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8013 - auc_88:
 0.5136 - val_loss: 0.7577 - val_auc_88: 0.5106
 Epoch 337/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_88:
 0.5150 - val_loss: 0.8592 - val_auc_88: 0.5136
 Epoch 338/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_88:
 0.5134 - val_loss: 0.8581 - val_auc_88: 0.5091
 Epoch 339/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_88:
 0.5136 - val_loss: 0.8627 - val_auc_88: 0.5121
 Epoch 340/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_88:
 0.5144 - val_loss: 0.8371 - val_auc_88: 0.5130
 Epoch 341/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_88:
 0.5141 - val_loss: 0.7290 - val_auc_88: 0.5135
 Epoch 342/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7964 - auc_88:
 0.5150 - val_loss: 0.7500 - val_auc_88: 0.5088
 Epoch 343/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_88:
 0.5120 - val_loss: 0.9449 - val_auc_88: 0.5156
 Epoch 344/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_88:
 0.5168 - val_loss: 0.8026 - val_auc_88: 0.5142
 Epoch 345/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_88:
 0.5138 - val_loss: 0.7496 - val_auc_88: 0.5159
 Epoch 346/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_88:
 0.5145 - val_loss: 0.8335 - val_auc_88: 0.5170
 Epoch 347/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_88:
 0.5177 - val_loss: 0.7842 - val_auc_88: 0.5129
 Epoch 348/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7717 - auc_88:
 0.5154 - val_loss: 0.8106 - val_auc_88: 0.5171
 Epoch 349/500

267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_88:
 0.5178 - val_loss: 0.7651 - val_auc_88: 0.5189
 Epoch 350/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8028 - auc_88:
 0.5148 - val_loss: 0.7252 - val_auc_88: 0.5134
 Epoch 351/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_88:
 0.5172 - val_loss: 0.7822 - val_auc_88: 0.5112
 Epoch 352/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7639 - auc_88:
 0.5126 - val_loss: 0.7194 - val_auc_88: 0.5133
 Epoch 353/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7612 - auc_88:
 0.5183 - val_loss: 0.7802 - val_auc_88: 0.5153
 Epoch 354/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7662 - auc_88:
 0.5133 - val_loss: 0.7151 - val_auc_88: 0.5154
 Epoch 355/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_88:
 0.5137 - val_loss: 0.7517 - val_auc_88: 0.5087
 Epoch 356/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_88:
 0.5163 - val_loss: 0.9113 - val_auc_88: 0.5163
 Epoch 357/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7932 - auc_88:
 0.5140 - val_loss: 0.8303 - val_auc_88: 0.5137
 Epoch 358/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_88:
 0.5126 - val_loss: 0.7663 - val_auc_88: 0.5125
 Epoch 359/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7656 - auc_88:
 0.5156 - val_loss: 0.8068 - val_auc_88: 0.5149
 Epoch 360/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_88:
 0.5175 - val_loss: 0.7914 - val_auc_88: 0.5123
 Epoch 361/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_88:
 0.5152 - val_loss: 0.7559 - val_auc_88: 0.5120
 Epoch 362/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_88:
 0.5169 - val_loss: 0.8883 - val_auc_88: 0.5137
 Epoch 363/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_88:
 0.5153 - val_loss: 0.7656 - val_auc_88: 0.5203
 Epoch 364/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7923 - auc_88:
 0.5157 - val_loss: 0.8267 - val_auc_88: 0.5201
 Epoch 365/500

267/267 [=====] - 1s 3ms/step - loss: 0.8161 - auc_88:
 0.5162 - val_loss: 0.8596 - val_auc_88: 0.5111
 Epoch 366/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_88:
 0.5159 - val_loss: 0.7755 - val_auc_88: 0.5157
 Epoch 367/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_88:
 0.5159 - val_loss: 0.8700 - val_auc_88: 0.5121
 Epoch 368/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_88:
 0.5192 - val_loss: 0.7916 - val_auc_88: 0.5095
 Epoch 369/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7888 - auc_88:
 0.5152 - val_loss: 0.9055 - val_auc_88: 0.5156
 Epoch 370/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_88:
 0.5143 - val_loss: 0.7431 - val_auc_88: 0.5150
 Epoch 371/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_88:
 0.5170 - val_loss: 0.8653 - val_auc_88: 0.5129
 Epoch 372/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8100 - auc_88:
 0.5140 - val_loss: 0.9557 - val_auc_88: 0.5196
 Epoch 373/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7682 - auc_88:
 0.5167 - val_loss: 0.7743 - val_auc_88: 0.5153
 Epoch 374/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_88:
 0.5155 - val_loss: 0.7851 - val_auc_88: 0.5168
 Epoch 375/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_88:
 0.5161 - val_loss: 0.8042 - val_auc_88: 0.5154
 Epoch 376/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_88:
 0.5154 - val_loss: 0.9150 - val_auc_88: 0.5188
 Epoch 377/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_88:
 0.5147 - val_loss: 0.8177 - val_auc_88: 0.5080
 Epoch 378/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7765 - auc_88:
 0.5145 - val_loss: 0.7283 - val_auc_88: 0.5105
 Epoch 379/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_88:
 0.5147 - val_loss: 0.7637 - val_auc_88: 0.5130
 Epoch 380/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7972 - auc_88:
 0.5161 - val_loss: 0.7835 - val_auc_88: 0.5073
 Epoch 381/500

267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_88:
0.5175 - val_loss: 0.7802 - val_auc_88: 0.5068
Epoch 382/500
267/267 [=====] - 1s 3ms/step - loss: 0.7836 - auc_88:
0.5148 - val_loss: 0.8071 - val_auc_88: 0.5120
Epoch 383/500
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_88:
0.5164 - val_loss: 0.7667 - val_auc_88: 0.5178
Epoch 384/500
267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_88:
0.5171 - val_loss: 1.1859 - val_auc_88: 0.5149
Epoch 385/500
267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_88:
0.5153 - val_loss: 0.7681 - val_auc_88: 0.5090
Epoch 386/500
267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_88:
0.5171 - val_loss: 0.7925 - val_auc_88: 0.5125
Epoch 387/500
267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_88:
0.5142 - val_loss: 0.7323 - val_auc_88: 0.5195
Epoch 388/500
267/267 [=====] - 1s 3ms/step - loss: 0.7983 - auc_88:
0.5129 - val_loss: 0.8197 - val_auc_88: 0.5168
Epoch 389/500
267/267 [=====] - 1s 3ms/step - loss: 0.7919 - auc_88:
0.5169 - val_loss: 0.8079 - val_auc_88: 0.5131
Epoch 390/500
267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_88:
0.5168 - val_loss: 0.8455 - val_auc_88: 0.5167
Epoch 391/500
267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_88:
0.5173 - val_loss: 0.7444 - val_auc_88: 0.5114
Epoch 392/500
267/267 [=====] - 1s 3ms/step - loss: 0.8165 - auc_88:
0.5142 - val_loss: 0.8031 - val_auc_88: 0.5155
Epoch 393/500
267/267 [=====] - 1s 3ms/step - loss: 0.7746 - auc_88:
0.5177 - val_loss: 0.7079 - val_auc_88: 0.5154
Epoch 394/500
267/267 [=====] - 1s 3ms/step - loss: 0.7722 - auc_88:
0.5171 - val_loss: 0.7453 - val_auc_88: 0.5142
Epoch 395/500
267/267 [=====] - 1s 3ms/step - loss: 0.7594 - auc_88:
0.5185 - val_loss: 0.7559 - val_auc_88: 0.5111
Epoch 396/500
267/267 [=====] - 1s 3ms/step - loss: 0.7667 - auc_88:
0.5156 - val_loss: 0.7392 - val_auc_88: 0.5106
Epoch 397/500

267/267 [=====] - 1s 3ms/step - loss: 0.7672 - auc_88:
0.5151 - val_loss: 0.7318 - val_auc_88: 0.5166
Epoch 398/500
267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_88:
0.5173 - val_loss: 0.7535 - val_auc_88: 0.5159
Epoch 399/500
267/267 [=====] - 1s 3ms/step - loss: 0.8130 - auc_88:
0.5156 - val_loss: 0.8556 - val_auc_88: 0.5103
Epoch 400/500
267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_88:
0.5151 - val_loss: 0.7813 - val_auc_88: 0.5169
Epoch 401/500
267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_88:
0.5157 - val_loss: 0.8438 - val_auc_88: 0.5168
Epoch 402/500
267/267 [=====] - 1s 3ms/step - loss: 0.7945 - auc_88:
0.5153 - val_loss: 0.7942 - val_auc_88: 0.5116
Epoch 403/500
267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_88:
0.5143 - val_loss: 0.7575 - val_auc_88: 0.5190
Epoch 404/500
267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_88:
0.5150 - val_loss: 0.8724 - val_auc_88: 0.5154
Epoch 405/500
267/267 [=====] - 1s 3ms/step - loss: 0.7563 - auc_88:
0.5193 - val_loss: 0.7763 - val_auc_88: 0.5138
Epoch 406/500
267/267 [=====] - 1s 3ms/step - loss: 0.7738 - auc_88:
0.5174 - val_loss: 0.7667 - val_auc_88: 0.5151
Epoch 407/500
267/267 [=====] - 1s 3ms/step - loss: 0.8012 - auc_88:
0.5168 - val_loss: 0.7394 - val_auc_88: 0.5166
Epoch 408/500
267/267 [=====] - 1s 3ms/step - loss: 0.7975 - auc_88:
0.5180 - val_loss: 0.7664 - val_auc_88: 0.5169
Epoch 409/500
267/267 [=====] - 1s 3ms/step - loss: 0.7998 - auc_88:
0.5176 - val_loss: 0.7741 - val_auc_88: 0.5153
Epoch 410/500
267/267 [=====] - 1s 3ms/step - loss: 0.8008 - auc_88:
0.5162 - val_loss: 0.7377 - val_auc_88: 0.5169
Epoch 411/500
267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_88:
0.5143 - val_loss: 0.7729 - val_auc_88: 0.5089
Epoch 412/500
267/267 [=====] - 1s 3ms/step - loss: 0.7873 - auc_88:
0.5179 - val_loss: 0.7825 - val_auc_88: 0.5142
Epoch 413/500

267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_88:
0.5154 - val_loss: 0.8002 - val_auc_88: 0.5162
Epoch 414/500
267/267 [=====] - 1s 3ms/step - loss: 0.8003 - auc_88:
0.5154 - val_loss: 0.7390 - val_auc_88: 0.5127
Epoch 415/500
267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_88:
0.5161 - val_loss: 0.8863 - val_auc_88: 0.5146
Epoch 416/500
267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_88:
0.5170 - val_loss: 0.7784 - val_auc_88: 0.5147
Epoch 417/500
267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_88:
0.5156 - val_loss: 0.8591 - val_auc_88: 0.5082
Epoch 418/500
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_88:
0.5147 - val_loss: 0.7916 - val_auc_88: 0.5161
Epoch 419/500
267/267 [=====] - 1s 3ms/step - loss: 0.7729 - auc_88:
0.5165 - val_loss: 0.7996 - val_auc_88: 0.5120
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 0.8019 - auc_88:
0.5170 - val_loss: 0.7576 - val_auc_88: 0.5141
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 0.8013 - auc_88:
0.5172 - val_loss: 0.8641 - val_auc_88: 0.5118
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 0.7906 - auc_88:
0.5157 - val_loss: 0.8046 - val_auc_88: 0.5193
Epoch 423/500
267/267 [=====] - 1s 3ms/step - loss: 0.7623 - auc_88:
0.5135 - val_loss: 0.7578 - val_auc_88: 0.5178
Epoch 424/500
267/267 [=====] - 1s 3ms/step - loss: 0.7932 - auc_88:
0.5141 - val_loss: 0.7900 - val_auc_88: 0.5145
Epoch 425/500
267/267 [=====] - 1s 3ms/step - loss: 0.8014 - auc_88:
0.5152 - val_loss: 0.8580 - val_auc_88: 0.5127
Epoch 426/500
267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_88:
0.5170 - val_loss: 0.7342 - val_auc_88: 0.5126
Epoch 427/500
267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_88:
0.5171 - val_loss: 0.7599 - val_auc_88: 0.5159
Epoch 428/500
267/267 [=====] - 1s 3ms/step - loss: 0.7682 - auc_88:
0.5178 - val_loss: 0.7361 - val_auc_88: 0.5122
Epoch 429/500

267/267 [=====] - 1s 3ms/step - loss: 0.7705 - auc_88:
0.5146 - val_loss: 0.7965 - val_auc_88: 0.5173
Epoch 430/500
267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_88:
0.5165 - val_loss: 0.8911 - val_auc_88: 0.5140
Epoch 431/500
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_88:
0.5163 - val_loss: 0.7780 - val_auc_88: 0.5149
Epoch 432/500
267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_88:
0.5180 - val_loss: 0.8118 - val_auc_88: 0.5179
Epoch 433/500
267/267 [=====] - 1s 3ms/step - loss: 0.8026 - auc_88:
0.5150 - val_loss: 0.7382 - val_auc_88: 0.5185
Epoch 434/500
267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_88:
0.5194 - val_loss: 0.8168 - val_auc_88: 0.5107
Epoch 435/500
267/267 [=====] - 1s 3ms/step - loss: 0.7888 - auc_88:
0.5173 - val_loss: 0.8068 - val_auc_88: 0.5173
Epoch 436/500
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_88:
0.5165 - val_loss: 0.8037 - val_auc_88: 0.5144
Epoch 437/500
267/267 [=====] - 1s 3ms/step - loss: 0.8053 - auc_88:
0.5144 - val_loss: 0.7645 - val_auc_88: 0.5151
Epoch 438/500
267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_88:
0.5157 - val_loss: 0.7324 - val_auc_88: 0.5105
Epoch 439/500
267/267 [=====] - 1s 3ms/step - loss: 0.7674 - auc_88:
0.5165 - val_loss: 0.7960 - val_auc_88: 0.5180
Epoch 440/500
267/267 [=====] - 1s 3ms/step - loss: 0.8162 - auc_88:
0.5131 - val_loss: 0.7371 - val_auc_88: 0.5155
Epoch 441/500
267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_88:
0.5162 - val_loss: 0.9388 - val_auc_88: 0.5192
Epoch 442/500
267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_88:
0.5177 - val_loss: 0.7861 - val_auc_88: 0.5104
Epoch 443/500
267/267 [=====] - 1s 3ms/step - loss: 0.7707 - auc_88:
0.5173 - val_loss: 0.7938 - val_auc_88: 0.5074
Epoch 444/500
267/267 [=====] - 1s 3ms/step - loss: 0.8109 - auc_88:
0.5165 - val_loss: 0.7229 - val_auc_88: 0.5153
Epoch 445/500

267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_88:
0.5145 - val_loss: 0.7489 - val_auc_88: 0.5081
Epoch 446/500
267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_88:
0.5147 - val_loss: 0.7868 - val_auc_88: 0.5160
Epoch 447/500
267/267 [=====] - 1s 3ms/step - loss: 0.7640 - auc_88:
0.5166 - val_loss: 0.8293 - val_auc_88: 0.5134
Epoch 448/500
267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_88:
0.5143 - val_loss: 0.7907 - val_auc_88: 0.5188
Epoch 449/500
267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_88:
0.5178 - val_loss: 0.7299 - val_auc_88: 0.5118
Epoch 450/500
267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_88:
0.5172 - val_loss: 0.7725 - val_auc_88: 0.5164
Epoch 451/500
267/267 [=====] - 1s 3ms/step - loss: 0.7643 - auc_88:
0.5178 - val_loss: 0.8141 - val_auc_88: 0.5136
Epoch 452/500
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_88:
0.5149 - val_loss: 0.7560 - val_auc_88: 0.5148
Epoch 453/500
267/267 [=====] - 1s 3ms/step - loss: 0.7660 - auc_88:
0.5176 - val_loss: 0.7894 - val_auc_88: 0.5149
Epoch 454/500
267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_88:
0.5162 - val_loss: 0.9570 - val_auc_88: 0.5193
Epoch 455/500
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_88:
0.5178 - val_loss: 0.7345 - val_auc_88: 0.5125
Epoch 456/500
267/267 [=====] - 1s 3ms/step - loss: 0.7679 - auc_88:
0.5149 - val_loss: 0.7356 - val_auc_88: 0.5180
Epoch 457/500
267/267 [=====] - 1s 3ms/step - loss: 0.7877 - auc_88:
0.5192 - val_loss: 0.7442 - val_auc_88: 0.5141
Epoch 458/500
267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_88:
0.5153 - val_loss: 0.7673 - val_auc_88: 0.5181
Epoch 459/500
267/267 [=====] - 1s 3ms/step - loss: 0.7954 - auc_88:
0.5163 - val_loss: 0.8233 - val_auc_88: 0.5172
Epoch 460/500
267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_88:
0.5168 - val_loss: 0.8134 - val_auc_88: 0.5200
Epoch 461/500

267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_88:
0.5206 - val_loss: 0.7386 - val_auc_88: 0.5154
Epoch 462/500
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_88:
0.5169 - val_loss: 0.7348 - val_auc_88: 0.5158
Epoch 463/500
267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_88:
0.5178 - val_loss: 0.7975 - val_auc_88: 0.5194
Epoch 464/500
267/267 [=====] - 1s 3ms/step - loss: 0.7936 - auc_88:
0.5175 - val_loss: 0.8126 - val_auc_88: 0.5140
Epoch 465/500
267/267 [=====] - 1s 3ms/step - loss: 0.7520 - auc_88:
0.5181 - val_loss: 0.8458 - val_auc_88: 0.5152
Epoch 466/500
267/267 [=====] - 1s 3ms/step - loss: 0.7942 - auc_88:
0.5129 - val_loss: 0.8298 - val_auc_88: 0.5104
Epoch 467/500
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_88:
0.5153 - val_loss: 0.7345 - val_auc_88: 0.5212
Epoch 468/500
267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_88:
0.5190 - val_loss: 0.8186 - val_auc_88: 0.5138
Epoch 469/500
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_88:
0.5144 - val_loss: 0.8235 - val_auc_88: 0.5170
Epoch 470/500
267/267 [=====] - 1s 3ms/step - loss: 0.8071 - auc_88:
0.5142 - val_loss: 0.8574 - val_auc_88: 0.5156
Epoch 471/500
267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_88:
0.5147 - val_loss: 0.7242 - val_auc_88: 0.5150
Epoch 472/500
267/267 [=====] - 1s 3ms/step - loss: 0.7591 - auc_88:
0.5185 - val_loss: 0.7685 - val_auc_88: 0.5179
Epoch 473/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_88:
0.5152 - val_loss: 0.8616 - val_auc_88: 0.5170
Epoch 474/500
267/267 [=====] - 1s 3ms/step - loss: 0.7948 - auc_88:
0.5178 - val_loss: 0.8364 - val_auc_88: 0.5142
Epoch 475/500
267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_88:
0.5166 - val_loss: 0.7721 - val_auc_88: 0.5142
Epoch 476/500
267/267 [=====] - 1s 3ms/step - loss: 0.7668 - auc_88:
0.5145 - val_loss: 0.7738 - val_auc_88: 0.5191
Epoch 477/500

267/267 [=====] - 1s 3ms/step - loss: 0.7582 - auc_88:
 0.5174 - val_loss: 0.7687 - val_auc_88: 0.5184
 Epoch 478/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_88:
 0.5172 - val_loss: 0.7802 - val_auc_88: 0.5192
 Epoch 479/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_88:
 0.5173 - val_loss: 0.8532 - val_auc_88: 0.5069
 Epoch 480/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_88:
 0.5141 - val_loss: 0.7628 - val_auc_88: 0.5174
 Epoch 481/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_88:
 0.5158 - val_loss: 0.7408 - val_auc_88: 0.5172
 Epoch 482/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_88:
 0.5167 - val_loss: 0.7798 - val_auc_88: 0.5189
 Epoch 483/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_88:
 0.5139 - val_loss: 0.7665 - val_auc_88: 0.5142
 Epoch 484/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_88:
 0.5169 - val_loss: 0.7845 - val_auc_88: 0.5187
 Epoch 485/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_88:
 0.5179 - val_loss: 0.7557 - val_auc_88: 0.5167
 Epoch 486/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7537 - auc_88:
 0.5175 - val_loss: 0.7549 - val_auc_88: 0.5197
 Epoch 487/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_88:
 0.5178 - val_loss: 0.7598 - val_auc_88: 0.5113
 Epoch 488/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_88:
 0.5187 - val_loss: 0.7623 - val_auc_88: 0.5179
 Epoch 489/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_88:
 0.5154 - val_loss: 0.8038 - val_auc_88: 0.5172
 Epoch 490/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_88:
 0.5181 - val_loss: 0.7779 - val_auc_88: 0.5167
 Epoch 491/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_88:
 0.5172 - val_loss: 0.8432 - val_auc_88: 0.5148
 Epoch 492/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8295 - auc_88:
 0.5161 - val_loss: 0.8804 - val_auc_88: 0.5133
 Epoch 493/500

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267/267 [=====] - 1s 3ms/step - loss: 0.7683 - auc_88:
0.5171 - val_loss: 0.7566 - val_auc_88: 0.5136
Epoch 494/500
267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_88:
0.5182 - val_loss: 0.8050 - val_auc_88: 0.5062
Epoch 495/500
267/267 [=====] - 1s 3ms/step - loss: 0.7658 - auc_88:
0.5167 - val_loss: 0.8578 - val_auc_88: 0.5078
Epoch 496/500
267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_88:
0.5186 - val_loss: 0.7237 - val_auc_88: 0.5184
Epoch 497/500
267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_88:
0.5144 - val_loss: 0.7649 - val_auc_88: 0.5233
Epoch 498/500
267/267 [=====] - 1s 3ms/step - loss: 0.7773 - auc_88:
0.5161 - val_loss: 0.7533 - val_auc_88: 0.5098
Epoch 499/500
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_88:
0.5192 - val_loss: 0.7891 - val_auc_88: 0.5161
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_88:
0.5173 - val_loss: 0.7404 - val_auc_88: 0.5202
625/625 [=====] - 0s 567us/step
[CV] ... epochs=500, learning_rate=0.001, score=0.516, total= 6.6min
[CV] epochs=500, learning_rate=0.001 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 5.7587 - auc_89:
0.5089 - val_loss: 1.1632 - val_auc_89: 0.5022
Epoch 2/500
267/267 [=====] - 1s 3ms/step - loss: 1.0851 - auc_89:
0.5109 - val_loss: 1.1407 - val_auc_89: 0.5030
Epoch 3/500
267/267 [=====] - 1s 3ms/step - loss: 1.0103 - auc_89:
0.5104 - val_loss: 1.1254 - val_auc_89: 0.5028
Epoch 4/500
267/267 [=====] - 1s 3ms/step - loss: 0.9899 - auc_89:
0.5105 - val_loss: 1.0197 - val_auc_89: 0.5020
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 0.9727 - auc_89:
0.5087 - val_loss: 1.0066 - val_auc_89: 0.5030
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 0.9568 - auc_89:
0.5085 - val_loss: 1.0217 - val_auc_89: 0.5025
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 0.9361 - auc_89:
0.5092 - val_loss: 1.0412 - val_auc_89: 0.5033
Epoch 8/500

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267/267 [=====] - 1s 3ms/step - loss: 0.9285 - auc_89:
0.5110 - val_loss: 0.9651 - val_auc_89: 0.5018
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 0.9635 - auc_89:
0.5081 - val_loss: 1.0791 - val_auc_89: 0.4996
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 0.9526 - auc_89:
0.5074 - val_loss: 0.9760 - val_auc_89: 0.5055
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 0.9115 - auc_89:
0.5078 - val_loss: 0.9434 - val_auc_89: 0.4988
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 0.9073 - auc_89:
0.5083 - val_loss: 0.9187 - val_auc_89: 0.5018
Epoch 13/500
267/267 [=====] - 1s 3ms/step - loss: 0.9007 - auc_89:
0.5074 - val_loss: 0.9611 - val_auc_89: 0.5070
Epoch 14/500
267/267 [=====] - 1s 3ms/step - loss: 0.8964 - auc_89:
0.5076 - val_loss: 0.9340 - val_auc_89: 0.5014
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 0.9087 - auc_89:
0.5057 - val_loss: 0.9420 - val_auc_89: 0.5002
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 0.8879 - auc_89:
0.5094 - val_loss: 1.0472 - val_auc_89: 0.5028
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 0.8979 - auc_89:
0.5082 - val_loss: 1.2394 - val_auc_89: 0.5041
Epoch 18/500
267/267 [=====] - 1s 3ms/step - loss: 0.8951 - auc_89:
0.5078 - val_loss: 0.9098 - val_auc_89: 0.5025
Epoch 19/500
267/267 [=====] - 1s 3ms/step - loss: 0.8861 - auc_89:
0.5079 - val_loss: 1.0064 - val_auc_89: 0.5024
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 0.8946 - auc_89:
0.5101 - val_loss: 0.9815 - val_auc_89: 0.5027
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 0.8916 - auc_89:
0.5068 - val_loss: 0.9268 - val_auc_89: 0.4956
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 0.8710 - auc_89:
0.5073 - val_loss: 0.9786 - val_auc_89: 0.5003
Epoch 23/500
267/267 [=====] - 1s 3ms/step - loss: 0.9038 - auc_89:
0.5078 - val_loss: 0.9598 - val_auc_89: 0.5021
Epoch 24/500

267/267 [=====] - 1s 3ms/step - loss: 0.8721 - auc_89:
0.5091 - val_loss: 1.0244 - val_auc_89: 0.5024
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 0.8771 - auc_89:
0.5089 - val_loss: 0.9517 - val_auc_89: 0.5039
Epoch 26/500
267/267 [=====] - 1s 3ms/step - loss: 0.8751 - auc_89:
0.5086 - val_loss: 1.0356 - val_auc_89: 0.4987
Epoch 27/500
267/267 [=====] - 1s 3ms/step - loss: 0.8565 - auc_89:
0.5067 - val_loss: 0.8888 - val_auc_89: 0.5011
Epoch 28/500
267/267 [=====] - 1s 3ms/step - loss: 0.8642 - auc_89:
0.5075 - val_loss: 0.9145 - val_auc_89: 0.5040
Epoch 29/500
267/267 [=====] - 1s 3ms/step - loss: 0.8825 - auc_89:
0.5100 - val_loss: 0.8851 - val_auc_89: 0.5024
Epoch 30/500
267/267 [=====] - 1s 3ms/step - loss: 0.8518 - auc_89:
0.5084 - val_loss: 0.8868 - val_auc_89: 0.5037
Epoch 31/500
267/267 [=====] - 1s 3ms/step - loss: 0.8684 - auc_89:
0.5105 - val_loss: 0.8996 - val_auc_89: 0.5007
Epoch 32/500
267/267 [=====] - 1s 3ms/step - loss: 0.8495 - auc_89:
0.5097 - val_loss: 1.1844 - val_auc_89: 0.5080
Epoch 33/500
267/267 [=====] - 1s 3ms/step - loss: 0.8879 - auc_89:
0.5069 - val_loss: 0.8686 - val_auc_89: 0.5029
Epoch 34/500
267/267 [=====] - 1s 3ms/step - loss: 0.8588 - auc_89:
0.5088 - val_loss: 0.8841 - val_auc_89: 0.5051
Epoch 35/500
267/267 [=====] - 1s 3ms/step - loss: 0.8396 - auc_89:
0.5094 - val_loss: 0.9347 - val_auc_89: 0.5046
Epoch 36/500
267/267 [=====] - 1s 3ms/step - loss: 0.8946 - auc_89:
0.5089 - val_loss: 0.8872 - val_auc_89: 0.4995
Epoch 37/500
267/267 [=====] - 1s 3ms/step - loss: 0.8836 - auc_89:
0.5086 - val_loss: 1.0220 - val_auc_89: 0.5017
Epoch 38/500
267/267 [=====] - 1s 3ms/step - loss: 0.8635 - auc_89:
0.5081 - val_loss: 0.8891 - val_auc_89: 0.5007
Epoch 39/500
267/267 [=====] - 1s 3ms/step - loss: 0.8438 - auc_89:
0.5114 - val_loss: 0.9179 - val_auc_89: 0.5076
Epoch 40/500

267/267 [=====] - 1s 3ms/step - loss: 0.8521 - auc_89:
0.5101 - val_loss: 0.8638 - val_auc_89: 0.5028
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 0.8507 - auc_89:
0.5084 - val_loss: 0.8659 - val_auc_89: 0.5071
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 0.8557 - auc_89:
0.5094 - val_loss: 0.9180 - val_auc_89: 0.5003
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 0.8394 - auc_89:
0.5099 - val_loss: 0.8355 - val_auc_89: 0.5022
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 0.8317 - auc_89:
0.5098 - val_loss: 0.8558 - val_auc_89: 0.5062
Epoch 45/500
267/267 [=====] - 1s 3ms/step - loss: 0.8633 - auc_89:
0.5075 - val_loss: 0.9305 - val_auc_89: 0.5085
Epoch 46/500
267/267 [=====] - 1s 3ms/step - loss: 0.8393 - auc_89:
0.5094 - val_loss: 0.8626 - val_auc_89: 0.5048
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 0.8319 - auc_89:
0.5084 - val_loss: 0.8331 - val_auc_89: 0.5030
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 0.8390 - auc_89:
0.5094 - val_loss: 0.8190 - val_auc_89: 0.5038
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 0.8420 - auc_89:
0.5104 - val_loss: 0.9126 - val_auc_89: 0.5031
Epoch 50/500
267/267 [=====] - 1s 3ms/step - loss: 0.8344 - auc_89:
0.5091 - val_loss: 0.8866 - val_auc_89: 0.5035
Epoch 51/500
267/267 [=====] - 1s 3ms/step - loss: 0.8515 - auc_89:
0.5104 - val_loss: 0.8257 - val_auc_89: 0.5049
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 0.8198 - auc_89:
0.5101 - val_loss: 0.8261 - val_auc_89: 0.5055
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 0.8357 - auc_89:
0.5090 - val_loss: 0.8351 - val_auc_89: 0.5048
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 0.8196 - auc_89:
0.5087 - val_loss: 0.8736 - val_auc_89: 0.5066
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 0.8288 - auc_89:
0.5062 - val_loss: 0.8414 - val_auc_89: 0.5072
Epoch 56/500

267/267 [=====] - 1s 3ms/step - loss: 0.8255 - auc_89:
0.5084 - val_loss: 0.8617 - val_auc_89: 0.5014
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 0.8304 - auc_89:
0.5126 - val_loss: 0.8535 - val_auc_89: 0.5029
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 0.8348 - auc_89:
0.5084 - val_loss: 0.8156 - val_auc_89: 0.5069
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 0.8302 - auc_89:
0.5109 - val_loss: 0.8408 - val_auc_89: 0.5035
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 0.8265 - auc_89:
0.5111 - val_loss: 0.8521 - val_auc_89: 0.5021
Epoch 61/500
267/267 [=====] - 1s 3ms/step - loss: 0.8259 - auc_89:
0.5118 - val_loss: 0.8523 - val_auc_89: 0.5062
Epoch 62/500
267/267 [=====] - 1s 3ms/step - loss: 0.8363 - auc_89:
0.5087 - val_loss: 0.8313 - val_auc_89: 0.5072
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 0.8057 - auc_89:
0.5121 - val_loss: 0.7748 - val_auc_89: 0.5065
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 0.8133 - auc_89:
0.5095 - val_loss: 0.7936 - val_auc_89: 0.5032
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 0.8167 - auc_89:
0.5104 - val_loss: 0.8270 - val_auc_89: 0.5049
Epoch 66/500
267/267 [=====] - 1s 3ms/step - loss: 0.8292 - auc_89:
0.5113 - val_loss: 0.9533 - val_auc_89: 0.5070
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 0.8209 - auc_89:
0.5113 - val_loss: 0.9219 - val_auc_89: 0.5063
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 0.8256 - auc_89:
0.5086 - val_loss: 0.8288 - val_auc_89: 0.5068
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_89:
0.5087 - val_loss: 0.8705 - val_auc_89: 0.5091
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_89:
0.5101 - val_loss: 0.7941 - val_auc_89: 0.5061
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 0.8279 - auc_89:
0.5075 - val_loss: 0.8384 - val_auc_89: 0.4999
Epoch 72/500

267/267 [=====] - 1s 3ms/step - loss: 0.8010 - auc_89:
0.5106 - val_loss: 0.8975 - val_auc_89: 0.5064
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 0.8170 - auc_89:
0.5101 - val_loss: 0.9334 - val_auc_89: 0.5066
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 0.8069 - auc_89:
0.5093 - val_loss: 0.8338 - val_auc_89: 0.5063
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 0.7990 - auc_89:
0.5101 - val_loss: 0.8223 - val_auc_89: 0.5065
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 0.7973 - auc_89:
0.5101 - val_loss: 0.8143 - val_auc_89: 0.5102
Epoch 77/500
267/267 [=====] - 1s 3ms/step - loss: 0.8251 - auc_89:
0.5110 - val_loss: 0.9609 - val_auc_89: 0.5051
Epoch 78/500
267/267 [=====] - 1s 3ms/step - loss: 0.8144 - auc_89:
0.5105 - val_loss: 0.8308 - val_auc_89: 0.5099
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_89:
0.5108 - val_loss: 0.8362 - val_auc_89: 0.5099
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_89:
0.5097 - val_loss: 0.7523 - val_auc_89: 0.5036
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_89:
0.5101 - val_loss: 0.8140 - val_auc_89: 0.5046
Epoch 82/500
267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_89:
0.5102 - val_loss: 0.7725 - val_auc_89: 0.5024
Epoch 83/500
267/267 [=====] - 1s 3ms/step - loss: 0.7991 - auc_89:
0.5088 - val_loss: 0.7408 - val_auc_89: 0.5048
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 0.8097 - auc_89:
0.5104 - val_loss: 0.7994 - val_auc_89: 0.5094
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_89:
0.5091 - val_loss: 0.8350 - val_auc_89: 0.5029
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 0.8112 - auc_89:
0.5095 - val_loss: 0.8089 - val_auc_89: 0.5066
Epoch 87/500
267/267 [=====] - 1s 3ms/step - loss: 0.8064 - auc_89:
0.5122 - val_loss: 0.8140 - val_auc_89: 0.5083
Epoch 88/500

267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_89:
0.5094 - val_loss: 0.7765 - val_auc_89: 0.5048
Epoch 89/500
267/267 [=====] - 1s 3ms/step - loss: 0.8144 - auc_89:
0.5124 - val_loss: 0.8181 - val_auc_89: 0.5047
Epoch 90/500
267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_89:
0.5102 - val_loss: 0.7781 - val_auc_89: 0.5085
Epoch 91/500
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_89:
0.5120 - val_loss: 0.7490 - val_auc_89: 0.5054
Epoch 92/500
267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_89:
0.5098 - val_loss: 0.8116 - val_auc_89: 0.4990
Epoch 93/500
267/267 [=====] - 1s 3ms/step - loss: 0.7915 - auc_89:
0.5079 - val_loss: 0.7938 - val_auc_89: 0.5037
Epoch 94/500
267/267 [=====] - 1s 4ms/step - loss: 0.7873 - auc_89:
0.5128 - val_loss: 0.8429 - val_auc_89: 0.5027
Epoch 95/500
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_89:
0.5103 - val_loss: 0.8098 - val_auc_89: 0.5067
Epoch 96/500
267/267 [=====] - 1s 3ms/step - loss: 0.8154 - auc_89:
0.5081 - val_loss: 0.7829 - val_auc_89: 0.5080
Epoch 97/500
267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_89:
0.5116 - val_loss: 0.9732 - val_auc_89: 0.5050
Epoch 98/500
267/267 [=====] - 1s 3ms/step - loss: 0.7981 - auc_89:
0.5101 - val_loss: 0.8087 - val_auc_89: 0.5033
Epoch 99/500
267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_89:
0.5117 - val_loss: 0.7526 - val_auc_89: 0.5079
Epoch 100/500
267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_89:
0.5103 - val_loss: 0.7179 - val_auc_89: 0.5056
Epoch 101/500
267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_89:
0.5107 - val_loss: 0.8420 - val_auc_89: 0.5079
Epoch 102/500
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_89:
0.5101 - val_loss: 0.8129 - val_auc_89: 0.5134
Epoch 103/500
267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_89:
0.5111 - val_loss: 0.8326 - val_auc_89: 0.5066
Epoch 104/500

267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_89:
0.5109 - val_loss: 0.8185 - val_auc_89: 0.5023
Epoch 105/500
267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_89:
0.5109 - val_loss: 0.7737 - val_auc_89: 0.5079
Epoch 106/500
267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_89:
0.5102 - val_loss: 0.9218 - val_auc_89: 0.5097
Epoch 107/500
267/267 [=====] - 1s 3ms/step - loss: 0.8115 - auc_89:
0.5085 - val_loss: 0.7435 - val_auc_89: 0.5077
Epoch 108/500
267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_89:
0.5099 - val_loss: 0.7296 - val_auc_89: 0.5079
Epoch 109/500
267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_89:
0.5108 - val_loss: 0.7484 - val_auc_89: 0.5087
Epoch 110/500
267/267 [=====] - 1s 3ms/step - loss: 0.8138 - auc_89:
0.5103 - val_loss: 0.7573 - val_auc_89: 0.5126
Epoch 111/500
267/267 [=====] - 1s 3ms/step - loss: 0.7906 - auc_89:
0.5120 - val_loss: 0.8050 - val_auc_89: 0.5069
Epoch 112/500
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_89:
0.5103 - val_loss: 0.7838 - val_auc_89: 0.5127
Epoch 113/500
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_89:
0.5123 - val_loss: 0.7407 - val_auc_89: 0.5079
Epoch 114/500
267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_89:
0.5108 - val_loss: 0.8388 - val_auc_89: 0.5030
Epoch 115/500
267/267 [=====] - 1s 3ms/step - loss: 0.7973 - auc_89:
0.5099 - val_loss: 0.7509 - val_auc_89: 0.5109
Epoch 116/500
267/267 [=====] - 1s 3ms/step - loss: 0.8106 - auc_89:
0.5094 - val_loss: 0.7756 - val_auc_89: 0.5139
Epoch 117/500
267/267 [=====] - 1s 3ms/step - loss: 0.7975 - auc_89:
0.5114 - val_loss: 0.7515 - val_auc_89: 0.5095
Epoch 118/500
267/267 [=====] - 1s 3ms/step - loss: 0.7992 - auc_89:
0.5130 - val_loss: 0.7693 - val_auc_89: 0.5135
Epoch 119/500
267/267 [=====] - 1s 3ms/step - loss: 0.7651 - auc_89:
0.5120 - val_loss: 0.8192 - val_auc_89: 0.4999
Epoch 120/500

267/267 [=====] - 1s 3ms/step - loss: 0.7839 - auc_89:
0.5117 - val_loss: 0.8046 - val_auc_89: 0.5074
Epoch 121/500
267/267 [=====] - 1s 3ms/step - loss: 0.8229 - auc_89:
0.5104 - val_loss: 0.7835 - val_auc_89: 0.5056
Epoch 122/500
267/267 [=====] - 1s 3ms/step - loss: 0.7750 - auc_89:
0.5127 - val_loss: 0.8289 - val_auc_89: 0.5040
Epoch 123/500
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_89:
0.5107 - val_loss: 0.8243 - val_auc_89: 0.5070
Epoch 124/500
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_89:
0.5108 - val_loss: 0.7885 - val_auc_89: 0.5071
Epoch 125/500
267/267 [=====] - 1s 3ms/step - loss: 0.8075 - auc_89:
0.5094 - val_loss: 0.7883 - val_auc_89: 0.5080
Epoch 126/500
267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_89:
0.5114 - val_loss: 0.7451 - val_auc_89: 0.5056
Epoch 127/500
267/267 [=====] - 1s 3ms/step - loss: 0.7932 - auc_89:
0.5109 - val_loss: 0.8499 - val_auc_89: 0.5150
Epoch 128/500
267/267 [=====] - 1s 3ms/step - loss: 0.7987 - auc_89:
0.5118 - val_loss: 0.7215 - val_auc_89: 0.5114
Epoch 129/500
267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_89:
0.5121 - val_loss: 0.8563 - val_auc_89: 0.5088
Epoch 130/500
267/267 [=====] - 1s 3ms/step - loss: 0.8054 - auc_89:
0.5110 - val_loss: 0.8193 - val_auc_89: 0.5096
Epoch 131/500
267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_89:
0.5134 - val_loss: 0.7500 - val_auc_89: 0.5124
Epoch 132/500
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_89:
0.5113 - val_loss: 0.8857 - val_auc_89: 0.5032
Epoch 133/500
267/267 [=====] - 1s 3ms/step - loss: 0.7821 - auc_89:
0.5123 - val_loss: 0.8223 - val_auc_89: 0.5078
Epoch 134/500
267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_89:
0.5125 - val_loss: 0.7620 - val_auc_89: 0.5079
Epoch 135/500
267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_89:
0.5132 - val_loss: 0.8010 - val_auc_89: 0.5145
Epoch 136/500

267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_89:
0.5132 - val_loss: 0.8390 - val_auc_89: 0.5090
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_89:
0.5114 - val_loss: 0.8745 - val_auc_89: 0.5070
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_89:
0.5156 - val_loss: 0.7496 - val_auc_89: 0.5089
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 0.7626 - auc_89:
0.5120 - val_loss: 0.9407 - val_auc_89: 0.5126
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 0.7925 - auc_89:
0.5144 - val_loss: 0.9190 - val_auc_89: 0.5056
Epoch 141/500
267/267 [=====] - 1s 3ms/step - loss: 0.8027 - auc_89:
0.5117 - val_loss: 0.7536 - val_auc_89: 0.5086
Epoch 142/500
267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_89:
0.5132 - val_loss: 0.7268 - val_auc_89: 0.5108
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_89:
0.5127 - val_loss: 0.7181 - val_auc_89: 0.5061
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_89:
0.5155 - val_loss: 0.7663 - val_auc_89: 0.5090
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_89:
0.5092 - val_loss: 0.8103 - val_auc_89: 0.5082
Epoch 146/500
267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_89:
0.5117 - val_loss: 0.7249 - val_auc_89: 0.5104
Epoch 147/500
267/267 [=====] - 1s 3ms/step - loss: 0.8098 - auc_89:
0.5130 - val_loss: 0.7547 - val_auc_89: 0.5120
Epoch 148/500
267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_89:
0.5130 - val_loss: 0.7501 - val_auc_89: 0.5117
Epoch 149/500
267/267 [=====] - 1s 3ms/step - loss: 0.7660 - auc_89:
0.5123 - val_loss: 0.7471 - val_auc_89: 0.5091
Epoch 150/500
267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_89:
0.5122 - val_loss: 0.7673 - val_auc_89: 0.5143
Epoch 151/500
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_89:
0.5141 - val_loss: 0.7711 - val_auc_89: 0.5131
Epoch 152/500

267/267 [=====] - 1s 3ms/step - loss: 0.7638 - auc_89:
 0.5145 - val_loss: 0.7091 - val_auc_89: 0.5125
 Epoch 153/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_89:
 0.5113 - val_loss: 0.7317 - val_auc_89: 0.5125
 Epoch 154/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8045 - auc_89:
 0.5126 - val_loss: 0.7746 - val_auc_89: 0.5121
 Epoch 155/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_89:
 0.5133 - val_loss: 0.7949 - val_auc_89: 0.5119
 Epoch 156/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_89:
 0.5141 - val_loss: 0.7826 - val_auc_89: 0.5120
 Epoch 157/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_89:
 0.5145 - val_loss: 0.8142 - val_auc_89: 0.5105
 Epoch 158/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7688 - auc_89:
 0.5144 - val_loss: 0.7609 - val_auc_89: 0.5123
 Epoch 159/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7873 - auc_89:
 0.5111 - val_loss: 0.7663 - val_auc_89: 0.5079
 Epoch 160/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_89:
 0.5102 - val_loss: 0.7647 - val_auc_89: 0.5089
 Epoch 161/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_89:
 0.5125 - val_loss: 0.7743 - val_auc_89: 0.5080
 Epoch 162/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7491 - auc_89:
 0.5147 - val_loss: 0.7207 - val_auc_89: 0.5087
 Epoch 163/500
 267/267 [=====] - 1s 4ms/step - loss: 0.8075 - auc_89:
 0.5139 - val_loss: 1.1774 - val_auc_89: 0.5142
 Epoch 164/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8022 - auc_89:
 0.5116 - val_loss: 0.8690 - val_auc_89: 0.5109
 Epoch 165/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_89:
 0.5132 - val_loss: 0.7841 - val_auc_89: 0.5140
 Epoch 166/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_89:
 0.5151 - val_loss: 0.7870 - val_auc_89: 0.5081
 Epoch 167/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7741 - auc_89:
 0.5141 - val_loss: 0.8345 - val_auc_89: 0.5150
 Epoch 168/500

267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_89:
0.5142 - val_loss: 0.7609 - val_auc_89: 0.5094
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_89:
0.5136 - val_loss: 0.9022 - val_auc_89: 0.5114
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_89:
0.5141 - val_loss: 0.7963 - val_auc_89: 0.5101
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 0.7700 - auc_89:
0.5126 - val_loss: 0.7681 - val_auc_89: 0.5104
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_89:
0.5148 - val_loss: 0.8841 - val_auc_89: 0.5052
Epoch 173/500
267/267 [=====] - 1s 3ms/step - loss: 0.8108 - auc_89:
0.5126 - val_loss: 0.8280 - val_auc_89: 0.5096
Epoch 174/500
267/267 [=====] - 1s 3ms/step - loss: 0.8065 - auc_89:
0.5124 - val_loss: 0.8653 - val_auc_89: 0.5093
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_89:
0.5120 - val_loss: 0.8778 - val_auc_89: 0.5019
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 0.7923 - auc_89:
0.5142 - val_loss: 0.7882 - val_auc_89: 0.5148
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_89:
0.5118 - val_loss: 0.8397 - val_auc_89: 0.5128
Epoch 178/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_89:
0.5138 - val_loss: 0.7693 - val_auc_89: 0.5179
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 0.8007 - auc_89:
0.5140 - val_loss: 0.7757 - val_auc_89: 0.5109
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_89:
0.5143 - val_loss: 0.8305 - val_auc_89: 0.5063
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 0.7676 - auc_89:
0.5128 - val_loss: 0.8110 - val_auc_89: 0.5055
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 0.7926 - auc_89:
0.5131 - val_loss: 0.7806 - val_auc_89: 0.5128
Epoch 183/500
267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_89:
0.5117 - val_loss: 0.7345 - val_auc_89: 0.5119
Epoch 184/500

267/267 [=====] - 1s 3ms/step - loss: 0.7899 - auc_89:
0.5120 - val_loss: 0.7317 - val_auc_89: 0.5135
Epoch 185/500
267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_89:
0.5154 - val_loss: 0.8135 - val_auc_89: 0.5127
Epoch 186/500
267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_89:
0.5122 - val_loss: 0.7359 - val_auc_89: 0.5123
Epoch 187/500
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_89:
0.5150 - val_loss: 0.9770 - val_auc_89: 0.5102
Epoch 188/500
267/267 [=====] - 1s 3ms/step - loss: 0.8199 - auc_89:
0.5140 - val_loss: 0.8177 - val_auc_89: 0.5080
Epoch 189/500
267/267 [=====] - 1s 3ms/step - loss: 0.8028 - auc_89:
0.5136 - val_loss: 0.7403 - val_auc_89: 0.5108
Epoch 190/500
267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_89:
0.5152 - val_loss: 0.7608 - val_auc_89: 0.5095
Epoch 191/500
267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_89:
0.5120 - val_loss: 0.7831 - val_auc_89: 0.5124
Epoch 192/500
267/267 [=====] - 1s 3ms/step - loss: 0.8106 - auc_89:
0.5157 - val_loss: 0.8256 - val_auc_89: 0.5131
Epoch 193/500
267/267 [=====] - 1s 3ms/step - loss: 0.7714 - auc_89:
0.5147 - val_loss: 0.7918 - val_auc_89: 0.5142
Epoch 194/500
267/267 [=====] - 1s 3ms/step - loss: 0.7671 - auc_89:
0.5138 - val_loss: 0.7577 - val_auc_89: 0.5112
Epoch 195/500
267/267 [=====] - 1s 3ms/step - loss: 0.7839 - auc_89:
0.5137 - val_loss: 0.7922 - val_auc_89: 0.5090
Epoch 196/500
267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_89:
0.5150 - val_loss: 0.8195 - val_auc_89: 0.5103
Epoch 197/500
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_89:
0.5146 - val_loss: 0.7576 - val_auc_89: 0.5122
Epoch 198/500
267/267 [=====] - 1s 3ms/step - loss: 0.7981 - auc_89:
0.5147 - val_loss: 0.7727 - val_auc_89: 0.5191
Epoch 199/500
267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_89:
0.5151 - val_loss: 0.7826 - val_auc_89: 0.5136
Epoch 200/500

267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_89:
0.5141 - val_loss: 0.7518 - val_auc_89: 0.5142
Epoch 201/500
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_89:
0.5143 - val_loss: 0.7614 - val_auc_89: 0.5116
Epoch 202/500
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_89:
0.5131 - val_loss: 0.7742 - val_auc_89: 0.5138
Epoch 203/500
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_89:
0.5147 - val_loss: 0.7353 - val_auc_89: 0.5122
Epoch 204/500
267/267 [=====] - 1s 3ms/step - loss: 0.7707 - auc_89:
0.5144 - val_loss: 0.7443 - val_auc_89: 0.5115
Epoch 205/500
267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_89:
0.5130 - val_loss: 0.8433 - val_auc_89: 0.5103
Epoch 206/500
267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_89:
0.5144 - val_loss: 0.8587 - val_auc_89: 0.5095
Epoch 207/500
267/267 [=====] - 1s 3ms/step - loss: 0.7945 - auc_89:
0.5100 - val_loss: 0.8855 - val_auc_89: 0.5110
Epoch 208/500
267/267 [=====] - 1s 3ms/step - loss: 0.7647 - auc_89:
0.5133 - val_loss: 0.7613 - val_auc_89: 0.5098
Epoch 209/500
267/267 [=====] - 1s 3ms/step - loss: 0.8128 - auc_89:
0.5137 - val_loss: 0.9021 - val_auc_89: 0.5090
Epoch 210/500
267/267 [=====] - 1s 3ms/step - loss: 0.8123 - auc_89:
0.5135 - val_loss: 0.7903 - val_auc_89: 0.5068
Epoch 211/500
267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_89:
0.5175 - val_loss: 0.7762 - val_auc_89: 0.5130
Epoch 212/500
267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_89:
0.5147 - val_loss: 0.8963 - val_auc_89: 0.5075
Epoch 213/500
267/267 [=====] - 1s 3ms/step - loss: 0.7638 - auc_89:
0.5155 - val_loss: 0.7711 - val_auc_89: 0.5125
Epoch 214/500
267/267 [=====] - 1s 3ms/step - loss: 0.7738 - auc_89:
0.5167 - val_loss: 0.7478 - val_auc_89: 0.5088
Epoch 215/500
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_89:
0.5150 - val_loss: 0.7651 - val_auc_89: 0.5170
Epoch 216/500

267/267 [=====] - 1s 3ms/step - loss: 0.7957 - auc_89:
0.5152 - val_loss: 0.7721 - val_auc_89: 0.5168
Epoch 217/500
267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_89:
0.5137 - val_loss: 0.7633 - val_auc_89: 0.5101
Epoch 218/500
267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_89:
0.5129 - val_loss: 0.7715 - val_auc_89: 0.5099
Epoch 219/500
267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_89:
0.5145 - val_loss: 0.7843 - val_auc_89: 0.5024
Epoch 220/500
267/267 [=====] - 1s 3ms/step - loss: 0.7963 - auc_89:
0.5117 - val_loss: 0.7425 - val_auc_89: 0.5093
Epoch 221/500
267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_89:
0.5155 - val_loss: 0.8357 - val_auc_89: 0.5103
Epoch 222/500
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_89:
0.5133 - val_loss: 0.7119 - val_auc_89: 0.5124
Epoch 223/500
267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_89:
0.5146 - val_loss: 0.9052 - val_auc_89: 0.5126
Epoch 224/500
267/267 [=====] - 1s 3ms/step - loss: 0.7616 - auc_89:
0.5156 - val_loss: 0.8193 - val_auc_89: 0.5131
Epoch 225/500
267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_89:
0.5142 - val_loss: 0.7468 - val_auc_89: 0.5133
Epoch 226/500
267/267 [=====] - 1s 3ms/step - loss: 0.7926 - auc_89:
0.5142 - val_loss: 0.9040 - val_auc_89: 0.5139
Epoch 227/500
267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_89:
0.5149 - val_loss: 0.7831 - val_auc_89: 0.5152
Epoch 228/500
267/267 [=====] - 1s 3ms/step - loss: 0.8069 - auc_89:
0.5165 - val_loss: 0.8470 - val_auc_89: 0.5121
Epoch 229/500
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_89:
0.5128 - val_loss: 0.7566 - val_auc_89: 0.5186
Epoch 230/500
267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_89:
0.5123 - val_loss: 0.9343 - val_auc_89: 0.5099
Epoch 231/500
267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_89:
0.5147 - val_loss: 0.7802 - val_auc_89: 0.5115
Epoch 232/500

267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_89:
0.5151 - val_loss: 0.7600 - val_auc_89: 0.5088
Epoch 233/500
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_89:
0.5170 - val_loss: 0.8284 - val_auc_89: 0.5145
Epoch 234/500
267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_89:
0.5143 - val_loss: 0.8024 - val_auc_89: 0.5113
Epoch 235/500
267/267 [=====] - 1s 3ms/step - loss: 0.7606 - auc_89:
0.5140 - val_loss: 0.7659 - val_auc_89: 0.5107
Epoch 236/500
267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_89:
0.5154 - val_loss: 0.7699 - val_auc_89: 0.5161
Epoch 237/500
267/267 [=====] - 1s 3ms/step - loss: 0.7831 - auc_89:
0.5133 - val_loss: 0.8258 - val_auc_89: 0.5178
Epoch 238/500
267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_89:
0.5144 - val_loss: 0.7785 - val_auc_89: 0.5097
Epoch 239/500
267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_89:
0.5134 - val_loss: 0.7690 - val_auc_89: 0.5114
Epoch 240/500
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_89:
0.5145 - val_loss: 0.7361 - val_auc_89: 0.5090
Epoch 241/500
267/267 [=====] - 1s 3ms/step - loss: 0.7674 - auc_89:
0.5171 - val_loss: 0.8598 - val_auc_89: 0.5104
Epoch 242/500
267/267 [=====] - 1s 3ms/step - loss: 0.8001 - auc_89:
0.5160 - val_loss: 0.8098 - val_auc_89: 0.5127
Epoch 243/500
267/267 [=====] - 1s 3ms/step - loss: 0.7944 - auc_89:
0.5180 - val_loss: 0.7267 - val_auc_89: 0.5149
Epoch 244/500
267/267 [=====] - 1s 3ms/step - loss: 0.7598 - auc_89:
0.5139 - val_loss: 0.7623 - val_auc_89: 0.5073
Epoch 245/500
267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_89:
0.5140 - val_loss: 0.7490 - val_auc_89: 0.5091
Epoch 246/500
267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_89:
0.5141 - val_loss: 0.7652 - val_auc_89: 0.5188
Epoch 247/500
267/267 [=====] - 1s 3ms/step - loss: 0.7717 - auc_89:
0.5145 - val_loss: 0.7585 - val_auc_89: 0.5116
Epoch 248/500

267/267 [=====] - 1s 3ms/step - loss: 0.8008 - auc_89:
 0.5138 - val_loss: 0.7959 - val_auc_89: 0.5151
 Epoch 249/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7960 - auc_89:
 0.5166 - val_loss: 0.8430 - val_auc_89: 0.5137
 Epoch 250/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8094 - auc_89:
 0.5162 - val_loss: 0.8295 - val_auc_89: 0.5071
 Epoch 251/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7713 - auc_89:
 0.5156 - val_loss: 0.7693 - val_auc_89: 0.5142
 Epoch 252/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7627 - auc_89:
 0.5152 - val_loss: 0.7462 - val_auc_89: 0.5173
 Epoch 253/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_89:
 0.5148 - val_loss: 1.0256 - val_auc_89: 0.5146
 Epoch 254/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8175 - auc_89:
 0.5135 - val_loss: 0.7797 - val_auc_89: 0.5125
 Epoch 255/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8253 - auc_89:
 0.5143 - val_loss: 0.7575 - val_auc_89: 0.5077
 Epoch 256/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_89:
 0.5138 - val_loss: 0.8427 - val_auc_89: 0.5123
 Epoch 257/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8044 - auc_89:
 0.5154 - val_loss: 0.7777 - val_auc_89: 0.5140
 Epoch 258/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7707 - auc_89:
 0.5150 - val_loss: 0.7395 - val_auc_89: 0.5173
 Epoch 259/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7828 - auc_89:
 0.5160 - val_loss: 0.7972 - val_auc_89: 0.5149
 Epoch 260/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_89:
 0.5138 - val_loss: 0.7808 - val_auc_89: 0.5091
 Epoch 261/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_89:
 0.5149 - val_loss: 0.7511 - val_auc_89: 0.5132
 Epoch 262/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_89:
 0.5151 - val_loss: 0.7927 - val_auc_89: 0.5129
 Epoch 263/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7438 - auc_89:
 0.5158 - val_loss: 0.7662 - val_auc_89: 0.5053
 Epoch 264/500

267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_89:
0.5142 - val_loss: 0.8131 - val_auc_89: 0.5169
Epoch 265/500
267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_89:
0.5170 - val_loss: 0.7944 - val_auc_89: 0.5130
Epoch 266/500
267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_89:
0.5153 - val_loss: 0.7936 - val_auc_89: 0.5109
Epoch 267/500
267/267 [=====] - 1s 3ms/step - loss: 0.7671 - auc_89:
0.5138 - val_loss: 0.7892 - val_auc_89: 0.5132
Epoch 268/500
267/267 [=====] - 1s 3ms/step - loss: 0.7647 - auc_89:
0.5133 - val_loss: 0.9072 - val_auc_89: 0.5122
Epoch 269/500
267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_89:
0.5138 - val_loss: 0.8387 - val_auc_89: 0.5127
Epoch 270/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_89:
0.5157 - val_loss: 0.7451 - val_auc_89: 0.5132
Epoch 271/500
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_89:
0.5158 - val_loss: 0.7951 - val_auc_89: 0.5148
Epoch 272/500
267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_89:
0.5133 - val_loss: 0.8345 - val_auc_89: 0.5188
Epoch 273/500
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_89:
0.5151 - val_loss: 0.8711 - val_auc_89: 0.5122
Epoch 274/500
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_89:
0.5151 - val_loss: 0.7706 - val_auc_89: 0.5170
Epoch 275/500
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_89:
0.5150 - val_loss: 0.7969 - val_auc_89: 0.5123
Epoch 276/500
267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_89:
0.5142 - val_loss: 0.7862 - val_auc_89: 0.5124
Epoch 277/500
267/267 [=====] - 1s 3ms/step - loss: 0.7589 - auc_89:
0.5147 - val_loss: 0.7704 - val_auc_89: 0.5107
Epoch 278/500
267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_89:
0.5151 - val_loss: 0.7645 - val_auc_89: 0.5158
Epoch 279/500
267/267 [=====] - 1s 3ms/step - loss: 0.7582 - auc_89:
0.5133 - val_loss: 0.7218 - val_auc_89: 0.5126
Epoch 280/500

267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_89:
0.5149 - val_loss: 0.7317 - val_auc_89: 0.5140
Epoch 281/500
267/267 [=====] - 1s 3ms/step - loss: 0.7964 - auc_89:
0.5165 - val_loss: 0.7338 - val_auc_89: 0.5095
Epoch 282/500
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_89:
0.5166 - val_loss: 0.9851 - val_auc_89: 0.5119
Epoch 283/500
267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_89:
0.5161 - val_loss: 0.7611 - val_auc_89: 0.5104
Epoch 284/500
267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_89:
0.5120 - val_loss: 0.7835 - val_auc_89: 0.5133
Epoch 285/500
267/267 [=====] - 1s 3ms/step - loss: 0.7920 - auc_89:
0.5175 - val_loss: 0.7986 - val_auc_89: 0.5173
Epoch 286/500
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_89:
0.5137 - val_loss: 0.7661 - val_auc_89: 0.5124
Epoch 287/500
267/267 [=====] - 1s 3ms/step - loss: 0.7978 - auc_89:
0.5161 - val_loss: 0.7265 - val_auc_89: 0.5150
Epoch 288/500
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_89:
0.5169 - val_loss: 0.7361 - val_auc_89: 0.5110
Epoch 289/500
267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_89:
0.5162 - val_loss: 0.7326 - val_auc_89: 0.5155
Epoch 290/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_89:
0.5147 - val_loss: 0.7600 - val_auc_89: 0.5174
Epoch 291/500
267/267 [=====] - 1s 3ms/step - loss: 0.7765 - auc_89:
0.5149 - val_loss: 0.7501 - val_auc_89: 0.5117
Epoch 292/500
267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_89:
0.5160 - val_loss: 0.9191 - val_auc_89: 0.5096
Epoch 293/500
267/267 [=====] - 1s 3ms/step - loss: 0.7936 - auc_89:
0.5141 - val_loss: 0.8175 - val_auc_89: 0.5127
Epoch 294/500
267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_89:
0.5151 - val_loss: 0.7485 - val_auc_89: 0.5105
Epoch 295/500
267/267 [=====] - 1s 3ms/step - loss: 0.7697 - auc_89:
0.5153 - val_loss: 0.8402 - val_auc_89: 0.5152
Epoch 296/500

267/267 [=====] - 1s 3ms/step - loss: 0.8031 - auc_89:
 0.5143 - val_loss: 0.7399 - val_auc_89: 0.5091
 Epoch 297/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7765 - auc_89:
 0.5138 - val_loss: 0.7825 - val_auc_89: 0.5126
 Epoch 298/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_89:
 0.5133 - val_loss: 0.7730 - val_auc_89: 0.5109
 Epoch 299/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_89:
 0.5149 - val_loss: 0.7920 - val_auc_89: 0.5150
 Epoch 300/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8009 - auc_89:
 0.5142 - val_loss: 0.8178 - val_auc_89: 0.5115
 Epoch 301/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_89:
 0.5146 - val_loss: 0.7702 - val_auc_89: 0.5119
 Epoch 302/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7741 - auc_89:
 0.5161 - val_loss: 0.8034 - val_auc_89: 0.5119
 Epoch 303/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_89:
 0.5162 - val_loss: 0.7226 - val_auc_89: 0.5080
 Epoch 304/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_89:
 0.5142 - val_loss: 0.7520 - val_auc_89: 0.5068
 Epoch 305/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7627 - auc_89:
 0.5150 - val_loss: 0.8190 - val_auc_89: 0.5173
 Epoch 306/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8398 - auc_89:
 0.5133 - val_loss: 0.8360 - val_auc_89: 0.5146
 Epoch 307/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_89:
 0.5150 - val_loss: 0.7731 - val_auc_89: 0.5166
 Epoch 308/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7519 - auc_89:
 0.5166 - val_loss: 0.8034 - val_auc_89: 0.5136
 Epoch 309/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_89:
 0.5159 - val_loss: 0.7455 - val_auc_89: 0.5095
 Epoch 310/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7674 - auc_89:
 0.5138 - val_loss: 0.7805 - val_auc_89: 0.5169
 Epoch 311/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_89:
 0.5177 - val_loss: 0.7463 - val_auc_89: 0.5135
 Epoch 312/500

267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_89:
0.5169 - val_loss: 0.8403 - val_auc_89: 0.5079
Epoch 313/500
267/267 [=====] - 1s 3ms/step - loss: 0.8098 - auc_89:
0.5158 - val_loss: 0.7529 - val_auc_89: 0.5169
Epoch 314/500
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_89:
0.5151 - val_loss: 0.7867 - val_auc_89: 0.5060
Epoch 315/500
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_89:
0.5174 - val_loss: 0.7034 - val_auc_89: 0.5083
Epoch 316/500
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_89:
0.5177 - val_loss: 0.8294 - val_auc_89: 0.5164
Epoch 317/500
267/267 [=====] - 1s 3ms/step - loss: 0.7634 - auc_89:
0.5164 - val_loss: 1.0040 - val_auc_89: 0.5144
Epoch 318/500
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_89:
0.5154 - val_loss: 0.7779 - val_auc_89: 0.5159
Epoch 319/500
267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_89:
0.5138 - val_loss: 0.8109 - val_auc_89: 0.5134
Epoch 320/500
267/267 [=====] - 1s 3ms/step - loss: 0.7677 - auc_89:
0.5175 - val_loss: 0.9484 - val_auc_89: 0.5100
Epoch 321/500
267/267 [=====] - 1s 3ms/step - loss: 0.8135 - auc_89:
0.5172 - val_loss: 0.8145 - val_auc_89: 0.5155
Epoch 322/500
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_89:
0.5180 - val_loss: 0.7718 - val_auc_89: 0.5083
Epoch 323/500
267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_89:
0.5166 - val_loss: 0.7720 - val_auc_89: 0.5128
Epoch 324/500
267/267 [=====] - 1s 3ms/step - loss: 0.7710 - auc_89:
0.5167 - val_loss: 0.7146 - val_auc_89: 0.5075
Epoch 325/500
267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_89:
0.5163 - val_loss: 0.7519 - val_auc_89: 0.5168
Epoch 326/500
267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_89:
0.5164 - val_loss: 0.8191 - val_auc_89: 0.5127
Epoch 327/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_89:
0.5161 - val_loss: 0.7798 - val_auc_89: 0.5094
Epoch 328/500

267/267 [=====] - 1s 3ms/step - loss: 0.7920 - auc_89:
 0.5131 - val_loss: 0.8118 - val_auc_89: 0.5144
 Epoch 329/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8227 - auc_89:
 0.5133 - val_loss: 0.7530 - val_auc_89: 0.5153
 Epoch 330/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_89:
 0.5157 - val_loss: 0.7492 - val_auc_89: 0.5129
 Epoch 331/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7585 - auc_89:
 0.5170 - val_loss: 0.7483 - val_auc_89: 0.5157
 Epoch 332/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8027 - auc_89:
 0.5147 - val_loss: 0.9334 - val_auc_89: 0.5062
 Epoch 333/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_89:
 0.5188 - val_loss: 0.7378 - val_auc_89: 0.5179
 Epoch 334/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7589 - auc_89:
 0.5152 - val_loss: 0.7376 - val_auc_89: 0.5122
 Epoch 335/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_89:
 0.5159 - val_loss: 0.7134 - val_auc_89: 0.5119
 Epoch 336/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_89:
 0.5158 - val_loss: 0.7280 - val_auc_89: 0.5120
 Epoch 337/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_89:
 0.5186 - val_loss: 0.7656 - val_auc_89: 0.5149
 Epoch 338/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7657 - auc_89:
 0.5181 - val_loss: 0.7868 - val_auc_89: 0.5165
 Epoch 339/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_89:
 0.5173 - val_loss: 0.9218 - val_auc_89: 0.5140
 Epoch 340/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_89:
 0.5159 - val_loss: 0.8887 - val_auc_89: 0.5140
 Epoch 341/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7683 - auc_89:
 0.5179 - val_loss: 0.7371 - val_auc_89: 0.5121
 Epoch 342/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7657 - auc_89:
 0.5146 - val_loss: 0.7705 - val_auc_89: 0.5086
 Epoch 343/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7926 - auc_89:
 0.5182 - val_loss: 0.8063 - val_auc_89: 0.5149
 Epoch 344/500

267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_89:
0.5175 - val_loss: 0.7265 - val_auc_89: 0.5177
Epoch 345/500
267/267 [=====] - 1s 3ms/step - loss: 0.7676 - auc_89:
0.5180 - val_loss: 0.7980 - val_auc_89: 0.5158
Epoch 346/500
267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_89:
0.5169 - val_loss: 0.8304 - val_auc_89: 0.5108
Epoch 347/500
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_89:
0.5147 - val_loss: 0.7816 - val_auc_89: 0.5160
Epoch 348/500
267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_89:
0.5166 - val_loss: 0.8072 - val_auc_89: 0.5135
Epoch 349/500
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_89:
0.5175 - val_loss: 0.7564 - val_auc_89: 0.5110
Epoch 350/500
267/267 [=====] - 1s 3ms/step - loss: 0.7690 - auc_89:
0.5185 - val_loss: 0.7436 - val_auc_89: 0.5157
Epoch 351/500
267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_89:
0.5170 - val_loss: 0.7721 - val_auc_89: 0.5138
Epoch 352/500
267/267 [=====] - 1s 3ms/step - loss: 0.7871 - auc_89:
0.5148 - val_loss: 0.8473 - val_auc_89: 0.5161
Epoch 353/500
267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_89:
0.5174 - val_loss: 0.8062 - val_auc_89: 0.5142
Epoch 354/500
267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_89:
0.5161 - val_loss: 0.7555 - val_auc_89: 0.5163
Epoch 355/500
267/267 [=====] - 1s 3ms/step - loss: 0.7676 - auc_89:
0.5145 - val_loss: 0.7224 - val_auc_89: 0.5182
Epoch 356/500
267/267 [=====] - 1s 3ms/step - loss: 0.7924 - auc_89:
0.5138 - val_loss: 0.7869 - val_auc_89: 0.5066
Epoch 357/500
267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_89:
0.5172 - val_loss: 0.7470 - val_auc_89: 0.5141
Epoch 358/500
267/267 [=====] - 1s 3ms/step - loss: 0.7654 - auc_89:
0.5138 - val_loss: 0.8307 - val_auc_89: 0.5172
Epoch 359/500
267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_89:
0.5191 - val_loss: 0.7389 - val_auc_89: 0.5164
Epoch 360/500

267/267 [=====] - 1s 3ms/step - loss: 0.7578 - auc_89:
0.5168 - val_loss: 0.7706 - val_auc_89: 0.5111
Epoch 361/500
267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_89:
0.5170 - val_loss: 0.7644 - val_auc_89: 0.5138
Epoch 362/500
267/267 [=====] - 1s 3ms/step - loss: 0.7924 - auc_89:
0.5165 - val_loss: 0.7239 - val_auc_89: 0.5083
Epoch 363/500
267/267 [=====] - 1s 3ms/step - loss: 0.7917 - auc_89:
0.5180 - val_loss: 0.8850 - val_auc_89: 0.5108
Epoch 364/500
267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_89:
0.5170 - val_loss: 0.8034 - val_auc_89: 0.5168
Epoch 365/500
267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_89:
0.5184 - val_loss: 0.8008 - val_auc_89: 0.5083
Epoch 366/500
267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_89:
0.5126 - val_loss: 0.8194 - val_auc_89: 0.5075
Epoch 367/500
267/267 [=====] - 1s 3ms/step - loss: 0.8059 - auc_89:
0.5150 - val_loss: 0.8680 - val_auc_89: 0.5164
Epoch 368/500
267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_89:
0.5146 - val_loss: 0.7499 - val_auc_89: 0.5104
Epoch 369/500
267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_89:
0.5159 - val_loss: 0.8553 - val_auc_89: 0.5187
Epoch 370/500
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_89:
0.5153 - val_loss: 0.7371 - val_auc_89: 0.5159
Epoch 371/500
267/267 [=====] - 1s 3ms/step - loss: 0.7559 - auc_89:
0.5172 - val_loss: 0.8137 - val_auc_89: 0.5111
Epoch 372/500
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_89:
0.5185 - val_loss: 0.8986 - val_auc_89: 0.5148
Epoch 373/500
267/267 [=====] - 1s 3ms/step - loss: 0.8035 - auc_89:
0.5180 - val_loss: 0.7738 - val_auc_89: 0.5170
Epoch 374/500
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_89:
0.5190 - val_loss: 0.7759 - val_auc_89: 0.5133
Epoch 375/500
267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_89:
0.5165 - val_loss: 0.7717 - val_auc_89: 0.5135
Epoch 376/500

267/267 [=====] - 1s 3ms/step - loss: 0.7674 - auc_89:
0.5168 - val_loss: 0.7640 - val_auc_89: 0.5125
Epoch 377/500
267/267 [=====] - 1s 3ms/step - loss: 0.7673 - auc_89:
0.5150 - val_loss: 0.7651 - val_auc_89: 0.5089
Epoch 378/500
267/267 [=====] - 1s 3ms/step - loss: 0.7963 - auc_89:
0.5164 - val_loss: 0.9550 - val_auc_89: 0.5162
Epoch 379/500
267/267 [=====] - 1s 3ms/step - loss: 0.7828 - auc_89:
0.5153 - val_loss: 0.8532 - val_auc_89: 0.5104
Epoch 380/500
267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_89:
0.5183 - val_loss: 0.7897 - val_auc_89: 0.5163
Epoch 381/500
267/267 [=====] - 1s 3ms/step - loss: 0.7981 - auc_89:
0.5190 - val_loss: 0.7755 - val_auc_89: 0.5125
Epoch 382/500
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_89:
0.5143 - val_loss: 0.8837 - val_auc_89: 0.5055
Epoch 383/500
267/267 [=====] - 1s 3ms/step - loss: 0.7757 - auc_89:
0.5184 - val_loss: 0.7736 - val_auc_89: 0.5148
Epoch 384/500
267/267 [=====] - 1s 3ms/step - loss: 0.8120 - auc_89:
0.5155 - val_loss: 0.7296 - val_auc_89: 0.5136
Epoch 385/500
267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_89:
0.5171 - val_loss: 0.7593 - val_auc_89: 0.5084
Epoch 386/500
267/267 [=====] - 1s 3ms/step - loss: 0.8002 - auc_89:
0.5167 - val_loss: 0.7374 - val_auc_89: 0.5140
Epoch 387/500
267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_89:
0.5137 - val_loss: 0.7454 - val_auc_89: 0.5143
Epoch 388/500
267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_89:
0.5180 - val_loss: 0.8397 - val_auc_89: 0.5072
Epoch 389/500
267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_89:
0.5163 - val_loss: 0.7475 - val_auc_89: 0.5134
Epoch 390/500
267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_89:
0.5147 - val_loss: 0.9067 - val_auc_89: 0.5134
Epoch 391/500
267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_89:
0.5171 - val_loss: 0.7648 - val_auc_89: 0.5145
Epoch 392/500

267/267 [=====] - 1s 3ms/step - loss: 0.7945 - auc_89:
0.5179 - val_loss: 0.8467 - val_auc_89: 0.5092
Epoch 393/500
267/267 [=====] - 1s 3ms/step - loss: 0.8096 - auc_89:
0.5144 - val_loss: 0.7673 - val_auc_89: 0.5137
Epoch 394/500
267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_89:
0.5202 - val_loss: 0.7531 - val_auc_89: 0.5106
Epoch 395/500
267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_89:
0.5167 - val_loss: 0.8150 - val_auc_89: 0.5091
Epoch 396/500
267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_89:
0.5148 - val_loss: 0.7507 - val_auc_89: 0.5169
Epoch 397/500
267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_89:
0.5168 - val_loss: 0.7294 - val_auc_89: 0.5151
Epoch 398/500
267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_89:
0.5170 - val_loss: 0.8764 - val_auc_89: 0.5070
Epoch 399/500
267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_89:
0.5180 - val_loss: 0.7292 - val_auc_89: 0.5159
Epoch 400/500
267/267 [=====] - 1s 3ms/step - loss: 0.7952 - auc_89:
0.5154 - val_loss: 0.7797 - val_auc_89: 0.5151
Epoch 401/500
267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_89:
0.5182 - val_loss: 0.9181 - val_auc_89: 0.5101
Epoch 402/500
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_89:
0.5163 - val_loss: 0.8388 - val_auc_89: 0.5138
Epoch 403/500
267/267 [=====] - 1s 3ms/step - loss: 0.7659 - auc_89:
0.5159 - val_loss: 0.9686 - val_auc_89: 0.5148
Epoch 404/500
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_89:
0.5163 - val_loss: 0.7441 - val_auc_89: 0.5120
Epoch 405/500
267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_89:
0.5167 - val_loss: 0.8253 - val_auc_89: 0.5185
Epoch 406/500
267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_89:
0.5146 - val_loss: 0.7751 - val_auc_89: 0.5123
Epoch 407/500
267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_89:
0.5152 - val_loss: 0.7485 - val_auc_89: 0.5181
Epoch 408/500

267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_89:
0.5154 - val_loss: 0.7708 - val_auc_89: 0.5155
Epoch 409/500
267/267 [=====] - 1s 3ms/step - loss: 0.7637 - auc_89:
0.5156 - val_loss: 0.7727 - val_auc_89: 0.5157
Epoch 410/500
267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_89:
0.5183 - val_loss: 0.7604 - val_auc_89: 0.5067
Epoch 411/500
267/267 [=====] - 1s 3ms/step - loss: 0.7936 - auc_89:
0.5182 - val_loss: 0.7553 - val_auc_89: 0.5178
Epoch 412/500
267/267 [=====] - 1s 3ms/step - loss: 0.7704 - auc_89:
0.5179 - val_loss: 0.7207 - val_auc_89: 0.5163
Epoch 413/500
267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_89:
0.5185 - val_loss: 0.7697 - val_auc_89: 0.5167
Epoch 414/500
267/267 [=====] - 1s 3ms/step - loss: 0.7674 - auc_89:
0.5156 - val_loss: 0.7932 - val_auc_89: 0.5118
Epoch 415/500
267/267 [=====] - 1s 3ms/step - loss: 0.7685 - auc_89:
0.5163 - val_loss: 0.7213 - val_auc_89: 0.5160
Epoch 416/500
267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_89:
0.5174 - val_loss: 0.7639 - val_auc_89: 0.5125
Epoch 417/500
267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_89:
0.5191 - val_loss: 0.7269 - val_auc_89: 0.5104
Epoch 418/500
267/267 [=====] - 1s 3ms/step - loss: 0.7657 - auc_89:
0.5167 - val_loss: 0.7360 - val_auc_89: 0.5173
Epoch 419/500
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_89:
0.5174 - val_loss: 0.7382 - val_auc_89: 0.5164
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_89:
0.5159 - val_loss: 0.7892 - val_auc_89: 0.5130
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_89:
0.5160 - val_loss: 0.7378 - val_auc_89: 0.5124
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_89:
0.5171 - val_loss: 0.8902 - val_auc_89: 0.5121
Epoch 423/500
267/267 [=====] - 1s 3ms/step - loss: 0.7967 - auc_89:
0.5176 - val_loss: 0.7626 - val_auc_89: 0.5193
Epoch 424/500

267/267 [=====] - 1s 3ms/step - loss: 0.7735 - auc_89:
0.5144 - val_loss: 0.7095 - val_auc_89: 0.5186
Epoch 425/500
267/267 [=====] - 1s 3ms/step - loss: 0.7644 - auc_89:
0.5180 - val_loss: 0.7250 - val_auc_89: 0.5174
Epoch 426/500
267/267 [=====] - 1s 3ms/step - loss: 0.7677 - auc_89:
0.5187 - val_loss: 0.7325 - val_auc_89: 0.5145
Epoch 427/500
267/267 [=====] - 1s 3ms/step - loss: 0.7620 - auc_89:
0.5185 - val_loss: 0.7581 - val_auc_89: 0.5162
Epoch 428/500
267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_89:
0.5154 - val_loss: 0.8392 - val_auc_89: 0.5151
Epoch 429/500
267/267 [=====] - 1s 3ms/step - loss: 0.7554 - auc_89:
0.5186 - val_loss: 0.7600 - val_auc_89: 0.5136
Epoch 430/500
267/267 [=====] - 1s 3ms/step - loss: 0.7821 - auc_89:
0.5138 - val_loss: 0.7998 - val_auc_89: 0.5093
Epoch 431/500
267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_89:
0.5177 - val_loss: 0.7533 - val_auc_89: 0.5157
Epoch 432/500
267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_89:
0.5202 - val_loss: 0.7877 - val_auc_89: 0.5132
Epoch 433/500
267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_89:
0.5176 - val_loss: 0.7856 - val_auc_89: 0.5113
Epoch 434/500
267/267 [=====] - 1s 3ms/step - loss: 0.7614 - auc_89:
0.5196 - val_loss: 0.8602 - val_auc_89: 0.5143
Epoch 435/500
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_89:
0.5155 - val_loss: 0.7625 - val_auc_89: 0.5094
Epoch 436/500
267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_89:
0.5176 - val_loss: 0.7756 - val_auc_89: 0.5155
Epoch 437/500
267/267 [=====] - 1s 3ms/step - loss: 0.7702 - auc_89:
0.5178 - val_loss: 0.8242 - val_auc_89: 0.5150
Epoch 438/500
267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_89:
0.5155 - val_loss: 0.7526 - val_auc_89: 0.5149
Epoch 439/500
267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_89:
0.5153 - val_loss: 0.8534 - val_auc_89: 0.5132
Epoch 440/500

267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_89:
0.5146 - val_loss: 0.7682 - val_auc_89: 0.5155
Epoch 441/500
267/267 [=====] - 1s 3ms/step - loss: 0.7920 - auc_89:
0.5159 - val_loss: 0.7666 - val_auc_89: 0.5128
Epoch 442/500
267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_89:
0.5211 - val_loss: 0.7598 - val_auc_89: 0.5147
Epoch 443/500
267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_89:
0.5173 - val_loss: 0.7432 - val_auc_89: 0.5143
Epoch 444/500
267/267 [=====] - 1s 3ms/step - loss: 0.7704 - auc_89:
0.5148 - val_loss: 0.8146 - val_auc_89: 0.5190
Epoch 445/500
267/267 [=====] - 1s 3ms/step - loss: 0.7643 - auc_89:
0.5172 - val_loss: 0.8286 - val_auc_89: 0.5096
Epoch 446/500
267/267 [=====] - 1s 3ms/step - loss: 0.7647 - auc_89:
0.5155 - val_loss: 0.7045 - val_auc_89: 0.5169
Epoch 447/500
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_89:
0.5167 - val_loss: 0.7869 - val_auc_89: 0.5128
Epoch 448/500
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_89:
0.5146 - val_loss: 0.7655 - val_auc_89: 0.5213
Epoch 449/500
267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_89:
0.5176 - val_loss: 0.7650 - val_auc_89: 0.5190
Epoch 450/500
267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_89:
0.5181 - val_loss: 0.7949 - val_auc_89: 0.5115
Epoch 451/500
267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_89:
0.5180 - val_loss: 0.7897 - val_auc_89: 0.5138
Epoch 452/500
267/267 [=====] - 1s 3ms/step - loss: 0.7524 - auc_89:
0.5163 - val_loss: 0.7641 - val_auc_89: 0.5126
Epoch 453/500
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_89:
0.5176 - val_loss: 0.8089 - val_auc_89: 0.5160
Epoch 454/500
267/267 [=====] - 1s 3ms/step - loss: 0.7877 - auc_89:
0.5167 - val_loss: 0.7703 - val_auc_89: 0.5155
Epoch 455/500
267/267 [=====] - 1s 3ms/step - loss: 0.8132 - auc_89:
0.5168 - val_loss: 0.7724 - val_auc_89: 0.5176
Epoch 456/500

267/267 [=====] - 1s 3ms/step - loss: 0.7551 - auc_89:
0.5164 - val_loss: 0.8235 - val_auc_89: 0.5134
Epoch 457/500
267/267 [=====] - 1s 3ms/step - loss: 0.7738 - auc_89:
0.5183 - val_loss: 0.7650 - val_auc_89: 0.5076
Epoch 458/500
267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_89:
0.5199 - val_loss: 0.7615 - val_auc_89: 0.5167
Epoch 459/500
267/267 [=====] - 1s 3ms/step - loss: 0.8019 - auc_89:
0.5121 - val_loss: 0.7499 - val_auc_89: 0.5149
Epoch 460/500
267/267 [=====] - 1s 3ms/step - loss: 0.7890 - auc_89:
0.5154 - val_loss: 0.8172 - val_auc_89: 0.5094
Epoch 461/500
267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_89:
0.5191 - val_loss: 0.8065 - val_auc_89: 0.5139
Epoch 462/500
267/267 [=====] - 1s 3ms/step - loss: 0.7710 - auc_89:
0.5187 - val_loss: 0.7677 - val_auc_89: 0.5175
Epoch 463/500
267/267 [=====] - 1s 3ms/step - loss: 0.7611 - auc_89:
0.5181 - val_loss: 0.7794 - val_auc_89: 0.5185
Epoch 464/500
267/267 [=====] - 1s 3ms/step - loss: 0.7686 - auc_89:
0.5174 - val_loss: 0.7976 - val_auc_89: 0.5162
Epoch 465/500
267/267 [=====] - 1s 3ms/step - loss: 0.7687 - auc_89:
0.5168 - val_loss: 0.7606 - val_auc_89: 0.5195
Epoch 466/500
267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_89:
0.5150 - val_loss: 0.8338 - val_auc_89: 0.5100
Epoch 467/500
267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_89:
0.5177 - val_loss: 0.7905 - val_auc_89: 0.5185
Epoch 468/500
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_89:
0.5166 - val_loss: 0.7583 - val_auc_89: 0.5132
Epoch 469/500
267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_89:
0.5194 - val_loss: 0.7972 - val_auc_89: 0.5016
Epoch 470/500
267/267 [=====] - 1s 3ms/step - loss: 0.7629 - auc_89:
0.5159 - val_loss: 0.7983 - val_auc_89: 0.5118
Epoch 471/500
267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_89:
0.5184 - val_loss: 0.7538 - val_auc_89: 0.5197
Epoch 472/500

267/267 [=====] - 1s 3ms/step - loss: 0.7731 - auc_89:
0.5173 - val_loss: 0.8439 - val_auc_89: 0.5123
Epoch 473/500
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_89:
0.5150 - val_loss: 0.7493 - val_auc_89: 0.5127
Epoch 474/500
267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_89:
0.5173 - val_loss: 0.7288 - val_auc_89: 0.5173
Epoch 475/500
267/267 [=====] - 1s 3ms/step - loss: 0.7923 - auc_89:
0.5150 - val_loss: 0.7621 - val_auc_89: 0.5121
Epoch 476/500
267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_89:
0.5143 - val_loss: 0.8663 - val_auc_89: 0.5137
Epoch 477/500
267/267 [=====] - 1s 3ms/step - loss: 0.7997 - auc_89:
0.5165 - val_loss: 0.8351 - val_auc_89: 0.5171
Epoch 478/500
267/267 [=====] - 1s 3ms/step - loss: 0.7746 - auc_89:
0.5176 - val_loss: 0.7260 - val_auc_89: 0.5106
Epoch 479/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_89:
0.5178 - val_loss: 0.9321 - val_auc_89: 0.5158
Epoch 480/500
267/267 [=====] - 1s 3ms/step - loss: 0.7798 - auc_89:
0.5180 - val_loss: 0.7515 - val_auc_89: 0.5138
Epoch 481/500
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_89:
0.5183 - val_loss: 0.8434 - val_auc_89: 0.5163
Epoch 482/500
267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_89:
0.5183 - val_loss: 0.7486 - val_auc_89: 0.5167
Epoch 483/500
267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_89:
0.5175 - val_loss: 0.7354 - val_auc_89: 0.5143
Epoch 484/500
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_89:
0.5183 - val_loss: 0.8775 - val_auc_89: 0.5127
Epoch 485/500
267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_89:
0.5174 - val_loss: 0.8145 - val_auc_89: 0.5166
Epoch 486/500
267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_89:
0.5138 - val_loss: 0.8299 - val_auc_89: 0.5066
Epoch 487/500
267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_89:
0.5156 - val_loss: 0.7954 - val_auc_89: 0.5138
Epoch 488/500


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267/267 [=====] - 1s 3ms/step - loss: 0.7972 - auc_89:
0.5182 - val_loss: 0.8809 - val_auc_89: 0.5119
Epoch 489/500
267/267 [=====] - 1s 3ms/step - loss: 0.8041 - auc_89:
0.5182 - val_loss: 0.7114 - val_auc_89: 0.5130
Epoch 490/500
267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_89:
0.5170 - val_loss: 0.8253 - val_auc_89: 0.5161
Epoch 491/500
267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_89:
0.5158 - val_loss: 0.7693 - val_auc_89: 0.5165
Epoch 492/500
267/267 [=====] - 1s 3ms/step - loss: 0.7735 - auc_89:
0.5182 - val_loss: 0.8178 - val_auc_89: 0.5152
Epoch 493/500
267/267 [=====] - 1s 3ms/step - loss: 0.7713 - auc_89:
0.5209 - val_loss: 0.7889 - val_auc_89: 0.5208
Epoch 494/500
267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_89:
0.5173 - val_loss: 0.7641 - val_auc_89: 0.5161
Epoch 495/500
267/267 [=====] - 1s 3ms/step - loss: 0.7705 - auc_89:
0.5179 - val_loss: 0.8370 - val_auc_89: 0.5165
Epoch 496/500
267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_89:
0.5149 - val_loss: 0.8206 - val_auc_89: 0.5106
Epoch 497/500
267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_89:
0.5174 - val_loss: 0.7549 - val_auc_89: 0.5137
Epoch 498/500
267/267 [=====] - 1s 3ms/step - loss: 0.7567 - auc_89:
0.5190 - val_loss: 0.7528 - val_auc_89: 0.5160
Epoch 499/500
267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_89:
0.5177 - val_loss: 1.0348 - val_auc_89: 0.5135
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_89:
0.5158 - val_loss: 0.7420 - val_auc_89: 0.5154
1/625 [...] - ETA: 0sWARNING:tensorflow:Callbacks
method `on_predict_batch_end` is slow compared to the batch time (batch time:
0.0000s vs `on_predict_batch_end` time: 0.0010s). Check your callbacks.
625/625 [=====] - 0s 580us/step
[CV] ... epochs=500, learning_rate=0.001, score=0.518, total= 6.4min
[CV] epochs=500, learning_rate=0.001 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 3.6939 - auc_90:
0.5045 - val_loss: 1.1119 - val_auc_90: 0.5134
Epoch 2/500

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267/267 [=====] - 1s 3ms/step - loss: 1.0687 - auc_90:
0.5101 - val_loss: 1.1339 - val_auc_90: 0.5085
Epoch 3/500
267/267 [=====] - 1s 3ms/step - loss: 1.0002 - auc_90:
0.5082 - val_loss: 0.9570 - val_auc_90: 0.5174
Epoch 4/500
267/267 [=====] - 1s 3ms/step - loss: 0.9651 - auc_90:
0.5102 - val_loss: 0.9084 - val_auc_90: 0.5150
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 0.9379 - auc_90:
0.5116 - val_loss: 0.9562 - val_auc_90: 0.5067
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 0.9249 - auc_90:
0.5115 - val_loss: 0.8983 - val_auc_90: 0.5161
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 0.9143 - auc_90:
0.5101 - val_loss: 0.9340 - val_auc_90: 0.5080
Epoch 8/500
267/267 [=====] - 1s 3ms/step - loss: 0.9015 - auc_90:
0.5118 - val_loss: 0.9162 - val_auc_90: 0.5095
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 0.8801 - auc_90:
0.5104 - val_loss: 0.8707 - val_auc_90: 0.5147
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 0.8698 - auc_90:
0.5118 - val_loss: 0.9207 - val_auc_90: 0.5094
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 0.8719 - auc_90:
0.5090 - val_loss: 0.8446 - val_auc_90: 0.5111
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 0.8659 - auc_90:
0.5094 - val_loss: 0.9206 - val_auc_90: 0.5095
Epoch 13/500
267/267 [=====] - 1s 3ms/step - loss: 0.8735 - auc_90:
0.5121 - val_loss: 0.9265 - val_auc_90: 0.5075
Epoch 14/500
267/267 [=====] - 1s 3ms/step - loss: 0.8479 - auc_90:
0.5107 - val_loss: 0.8478 - val_auc_90: 0.5110
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 0.8720 - auc_90:
0.5099 - val_loss: 0.9192 - val_auc_90: 0.5049
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 0.8507 - auc_90:
0.5110 - val_loss: 0.8800 - val_auc_90: 0.5097
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 0.8414 - auc_90:
0.5102 - val_loss: 0.8082 - val_auc_90: 0.5151
Epoch 18/500

267/267 [=====] - 1s 3ms/step - loss: 0.8434 - auc_90:
0.5136 - val_loss: 0.8016 - val_auc_90: 0.5102
Epoch 19/500
267/267 [=====] - 1s 3ms/step - loss: 0.8237 - auc_90:
0.5102 - val_loss: 0.7905 - val_auc_90: 0.5146
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 0.8283 - auc_90:
0.5134 - val_loss: 0.9280 - val_auc_90: 0.5069
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 0.8595 - auc_90:
0.5127 - val_loss: 0.9440 - val_auc_90: 0.5062
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 0.8458 - auc_90:
0.5112 - val_loss: 0.8467 - val_auc_90: 0.5110
Epoch 23/500
267/267 [=====] - 1s 3ms/step - loss: 0.8225 - auc_90:
0.5121 - val_loss: 0.7988 - val_auc_90: 0.5125
Epoch 24/500
267/267 [=====] - 1s 3ms/step - loss: 0.8183 - auc_90:
0.5129 - val_loss: 0.8146 - val_auc_90: 0.5146
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 0.8345 - auc_90:
0.5119 - val_loss: 0.8022 - val_auc_90: 0.5076
Epoch 26/500
267/267 [=====] - 1s 3ms/step - loss: 0.8086 - auc_90:
0.5121 - val_loss: 0.8351 - val_auc_90: 0.5119
Epoch 27/500
267/267 [=====] - 1s 3ms/step - loss: 0.8438 - auc_90:
0.5122 - val_loss: 0.7665 - val_auc_90: 0.5055
Epoch 28/500
267/267 [=====] - 1s 3ms/step - loss: 0.8126 - auc_90:
0.5102 - val_loss: 0.7797 - val_auc_90: 0.5131
Epoch 29/500
267/267 [=====] - 1s 3ms/step - loss: 0.8023 - auc_90:
0.5114 - val_loss: 0.8420 - val_auc_90: 0.5101
Epoch 30/500
267/267 [=====] - 1s 3ms/step - loss: 0.8451 - auc_90:
0.5137 - val_loss: 0.8883 - val_auc_90: 0.5112
Epoch 31/500
267/267 [=====] - 1s 3ms/step - loss: 0.8296 - auc_90:
0.5128 - val_loss: 0.8265 - val_auc_90: 0.5072
Epoch 32/500
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_90:
0.5154 - val_loss: 0.8907 - val_auc_90: 0.5107
Epoch 33/500
267/267 [=====] - 1s 3ms/step - loss: 0.8061 - auc_90:
0.5106 - val_loss: 0.7824 - val_auc_90: 0.5145
Epoch 34/500

267/267 [=====] - 1s 3ms/step - loss: 0.8141 - auc_90:
0.5142 - val_loss: 0.8627 - val_auc_90: 0.5096
Epoch 35/500
267/267 [=====] - 1s 3ms/step - loss: 0.8190 - auc_90:
0.5106 - val_loss: 0.8835 - val_auc_90: 0.5112
Epoch 36/500
267/267 [=====] - 1s 3ms/step - loss: 0.8010 - auc_90:
0.5139 - val_loss: 0.7480 - val_auc_90: 0.5149
Epoch 37/500
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_90:
0.5137 - val_loss: 0.8142 - val_auc_90: 0.5125
Epoch 38/500
267/267 [=====] - 1s 3ms/step - loss: 0.7973 - auc_90:
0.5132 - val_loss: 0.8808 - val_auc_90: 0.5070
Epoch 39/500
267/267 [=====] - 1s 3ms/step - loss: 0.8064 - auc_90:
0.5124 - val_loss: 0.7796 - val_auc_90: 0.5125
Epoch 40/500
267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_90:
0.5130 - val_loss: 0.8147 - val_auc_90: 0.5140
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_90:
0.5142 - val_loss: 0.8263 - val_auc_90: 0.5125
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_90:
0.5114 - val_loss: 0.7455 - val_auc_90: 0.5180
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_90:
0.5141 - val_loss: 0.8723 - val_auc_90: 0.5093
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_90:
0.5156 - val_loss: 0.8110 - val_auc_90: 0.5137
Epoch 45/500
267/267 [=====] - 1s 3ms/step - loss: 0.8114 - auc_90:
0.5157 - val_loss: 0.8590 - val_auc_90: 0.5050
Epoch 46/500
267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_90:
0.5125 - val_loss: 0.9005 - val_auc_90: 0.5122
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 0.8055 - auc_90:
0.5136 - val_loss: 0.8589 - val_auc_90: 0.5087
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_90:
0.5140 - val_loss: 0.7341 - val_auc_90: 0.5102
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_90:
0.5133 - val_loss: 0.7901 - val_auc_90: 0.5177
Epoch 50/500

267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_90:
0.5129 - val_loss: 0.7795 - val_auc_90: 0.5138
Epoch 51/500
267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_90:
0.5139 - val_loss: 0.8370 - val_auc_90: 0.5096
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_90:
0.5152 - val_loss: 0.8124 - val_auc_90: 0.5138
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_90:
0.5117 - val_loss: 0.7300 - val_auc_90: 0.5138
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 0.7895 - auc_90:
0.5129 - val_loss: 0.8576 - val_auc_90: 0.5135
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 0.7959 - auc_90:
0.5138 - val_loss: 0.7515 - val_auc_90: 0.5099
Epoch 56/500
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_90:
0.5133 - val_loss: 0.7316 - val_auc_90: 0.5143
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_90:
0.5127 - val_loss: 0.9002 - val_auc_90: 0.5125
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_90:
0.5125 - val_loss: 0.7448 - val_auc_90: 0.5119
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_90:
0.5134 - val_loss: 0.7688 - val_auc_90: 0.5109
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_90:
0.5138 - val_loss: 0.8956 - val_auc_90: 0.5108
Epoch 61/500
267/267 [=====] - 1s 3ms/step - loss: 0.7992 - auc_90:
0.5145 - val_loss: 0.8049 - val_auc_90: 0.5114
Epoch 62/500
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_90:
0.5132 - val_loss: 0.7586 - val_auc_90: 0.5176
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 0.8026 - auc_90:
0.5117 - val_loss: 0.8347 - val_auc_90: 0.5067
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_90:
0.5145 - val_loss: 0.8282 - val_auc_90: 0.5102
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 0.7974 - auc_90:
0.5133 - val_loss: 0.8357 - val_auc_90: 0.5111
Epoch 66/500

267/267 [=====] - 1s 3ms/step - loss: 0.7634 - auc_90:
0.5127 - val_loss: 0.8009 - val_auc_90: 0.5088
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 0.7917 - auc_90:
0.5151 - val_loss: 0.7842 - val_auc_90: 0.5074
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_90:
0.5149 - val_loss: 0.9531 - val_auc_90: 0.5077
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_90:
0.5128 - val_loss: 0.7365 - val_auc_90: 0.5133
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 0.8199 - auc_90:
0.5149 - val_loss: 0.9244 - val_auc_90: 0.5127
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_90:
0.5148 - val_loss: 0.7846 - val_auc_90: 0.5096
Epoch 72/500
267/267 [=====] - 1s 3ms/step - loss: 0.7925 - auc_90:
0.5140 - val_loss: 0.7608 - val_auc_90: 0.5183
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_90:
0.5134 - val_loss: 0.7431 - val_auc_90: 0.5046
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_90:
0.5157 - val_loss: 0.7415 - val_auc_90: 0.5167
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_90:
0.5137 - val_loss: 0.7973 - val_auc_90: 0.5137
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_90:
0.5138 - val_loss: 0.8301 - val_auc_90: 0.5111
Epoch 77/500
267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_90:
0.5152 - val_loss: 0.7462 - val_auc_90: 0.5100
Epoch 78/500
267/267 [=====] - 1s 3ms/step - loss: 0.7757 - auc_90:
0.5141 - val_loss: 0.7438 - val_auc_90: 0.5147
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 0.8037 - auc_90:
0.5134 - val_loss: 0.7293 - val_auc_90: 0.5112
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_90:
0.5143 - val_loss: 0.7405 - val_auc_90: 0.5104
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 0.7750 - auc_90:
0.5161 - val_loss: 0.7436 - val_auc_90: 0.5138
Epoch 82/500

267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_90:
0.5138 - val_loss: 0.7860 - val_auc_90: 0.5114
Epoch 83/500
267/267 [=====] - 1s 3ms/step - loss: 0.8037 - auc_90:
0.5147 - val_loss: 0.7617 - val_auc_90: 0.5093
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_90:
0.5139 - val_loss: 0.9844 - val_auc_90: 0.5098
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 0.8164 - auc_90:
0.5161 - val_loss: 0.7710 - val_auc_90: 0.5094
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_90:
0.5147 - val_loss: 0.9353 - val_auc_90: 0.5056
Epoch 87/500
267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_90:
0.5141 - val_loss: 0.7479 - val_auc_90: 0.5092
Epoch 88/500
267/267 [=====] - 1s 3ms/step - loss: 0.7773 - auc_90:
0.5128 - val_loss: 0.7339 - val_auc_90: 0.5091
Epoch 89/500
267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_90:
0.5140 - val_loss: 0.8434 - val_auc_90: 0.5134
Epoch 90/500
267/267 [=====] - 1s 3ms/step - loss: 0.8259 - auc_90:
0.5155 - val_loss: 0.7567 - val_auc_90: 0.5143
Epoch 91/500
267/267 [=====] - 1s 3ms/step - loss: 0.7821 - auc_90:
0.5151 - val_loss: 0.8524 - val_auc_90: 0.5060
Epoch 92/500
267/267 [=====] - 1s 3ms/step - loss: 0.7647 - auc_90:
0.5138 - val_loss: 0.7668 - val_auc_90: 0.5089
Epoch 93/500
267/267 [=====] - 1s 3ms/step - loss: 0.7945 - auc_90:
0.5137 - val_loss: 0.7845 - val_auc_90: 0.5095
Epoch 94/500
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_90:
0.5147 - val_loss: 0.7921 - val_auc_90: 0.5141
Epoch 95/500
267/267 [=====] - 1s 3ms/step - loss: 0.8109 - auc_90:
0.5137 - val_loss: 0.7539 - val_auc_90: 0.5166
Epoch 96/500
267/267 [=====] - 1s 3ms/step - loss: 0.7990 - auc_90:
0.5138 - val_loss: 0.7852 - val_auc_90: 0.5115
Epoch 97/500
267/267 [=====] - 1s 3ms/step - loss: 0.7977 - auc_90:
0.5124 - val_loss: 0.7663 - val_auc_90: 0.5093
Epoch 98/500

267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_90:
0.5153 - val_loss: 0.7921 - val_auc_90: 0.5110
Epoch 99/500
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_90:
0.5152 - val_loss: 0.7164 - val_auc_90: 0.5160
Epoch 100/500
267/267 [=====] - 1s 3ms/step - loss: 0.8135 - auc_90:
0.5130 - val_loss: 0.8632 - val_auc_90: 0.5150
Epoch 101/500
267/267 [=====] - 1s 3ms/step - loss: 0.8050 - auc_90:
0.5148 - val_loss: 0.8139 - val_auc_90: 0.5082
Epoch 102/500
267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_90:
0.5142 - val_loss: 0.7270 - val_auc_90: 0.5126
Epoch 103/500
267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_90:
0.5150 - val_loss: 0.7352 - val_auc_90: 0.5163
Epoch 104/500
267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_90:
0.5147 - val_loss: 0.7845 - val_auc_90: 0.5068
Epoch 105/500
267/267 [=====] - 1s 3ms/step - loss: 0.7688 - auc_90:
0.5142 - val_loss: 0.7593 - val_auc_90: 0.5116
Epoch 106/500
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_90:
0.5133 - val_loss: 0.7594 - val_auc_90: 0.5104
Epoch 107/500
267/267 [=====] - 1s 3ms/step - loss: 0.7999 - auc_90:
0.5145 - val_loss: 0.8417 - val_auc_90: 0.5093
Epoch 108/500
267/267 [=====] - 1s 3ms/step - loss: 0.7954 - auc_90:
0.5129 - val_loss: 0.8418 - val_auc_90: 0.5093
Epoch 109/500
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_90:
0.5141 - val_loss: 0.8969 - val_auc_90: 0.5033
Epoch 110/500
267/267 [=====] - 1s 3ms/step - loss: 0.7978 - auc_90:
0.5124 - val_loss: 0.7437 - val_auc_90: 0.5115
Epoch 111/500
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_90:
0.5190 - val_loss: 0.8115 - val_auc_90: 0.5157
Epoch 112/500
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_90:
0.5150 - val_loss: 0.7959 - val_auc_90: 0.5111
Epoch 113/500
267/267 [=====] - 1s 3ms/step - loss: 0.7977 - auc_90:
0.5127 - val_loss: 0.8761 - val_auc_90: 0.5120
Epoch 114/500

267/267 [=====] - 1s 3ms/step - loss: 0.8169 - auc_90:
0.5114 - val_loss: 0.8966 - val_auc_90: 0.5094
Epoch 115/500
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_90:
0.5143 - val_loss: 0.7874 - val_auc_90: 0.5110
Epoch 116/500
267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_90:
0.5160 - val_loss: 0.7939 - val_auc_90: 0.5130
Epoch 117/500
267/267 [=====] - 1s 3ms/step - loss: 0.8027 - auc_90:
0.5154 - val_loss: 0.8184 - val_auc_90: 0.5102
Epoch 118/500
267/267 [=====] - 1s 3ms/step - loss: 0.7656 - auc_90:
0.5176 - val_loss: 0.7974 - val_auc_90: 0.5086
Epoch 119/500
267/267 [=====] - 1s 3ms/step - loss: 0.7915 - auc_90:
0.5149 - val_loss: 0.8278 - val_auc_90: 0.5124
Epoch 120/500
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_90:
0.5166 - val_loss: 0.7495 - val_auc_90: 0.5125
Epoch 121/500
267/267 [=====] - 1s 3ms/step - loss: 0.7993 - auc_90:
0.5146 - val_loss: 0.8218 - val_auc_90: 0.5150
Epoch 122/500
267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_90:
0.5161 - val_loss: 0.7696 - val_auc_90: 0.5099
Epoch 123/500
267/267 [=====] - 1s 3ms/step - loss: 0.8004 - auc_90:
0.5161 - val_loss: 0.7958 - val_auc_90: 0.5197
Epoch 124/500
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_90:
0.5140 - val_loss: 0.8128 - val_auc_90: 0.5079
Epoch 125/500
267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_90:
0.5168 - val_loss: 0.8984 - val_auc_90: 0.5104
Epoch 126/500
267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_90:
0.5140 - val_loss: 0.8288 - val_auc_90: 0.5091
Epoch 127/500
267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_90:
0.5172 - val_loss: 0.7690 - val_auc_90: 0.5106
Epoch 128/500
267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_90:
0.5143 - val_loss: 0.8371 - val_auc_90: 0.5091
Epoch 129/500
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_90:
0.5144 - val_loss: 0.8672 - val_auc_90: 0.5144
Epoch 130/500

267/267 [=====] - 1s 3ms/step - loss: 0.7871 - auc_90:
0.5176 - val_loss: 0.7291 - val_auc_90: 0.5118
Epoch 131/500
267/267 [=====] - 1s 3ms/step - loss: 0.7650 - auc_90:
0.5149 - val_loss: 0.7511 - val_auc_90: 0.5127
Epoch 132/500
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_90:
0.5153 - val_loss: 0.7821 - val_auc_90: 0.5096
Epoch 133/500
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_90:
0.5157 - val_loss: 0.7175 - val_auc_90: 0.5167
Epoch 134/500
267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_90:
0.5149 - val_loss: 0.8636 - val_auc_90: 0.5090
Epoch 135/500
267/267 [=====] - 1s 3ms/step - loss: 0.7839 - auc_90:
0.5166 - val_loss: 0.7588 - val_auc_90: 0.5119
Epoch 136/500
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_90:
0.5144 - val_loss: 0.8678 - val_auc_90: 0.5111
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 0.7995 - auc_90:
0.5162 - val_loss: 0.7515 - val_auc_90: 0.5151
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 0.8069 - auc_90:
0.5146 - val_loss: 0.8548 - val_auc_90: 0.5104
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_90:
0.5117 - val_loss: 0.7966 - val_auc_90: 0.5142
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 0.7647 - auc_90:
0.5148 - val_loss: 0.7358 - val_auc_90: 0.5106
Epoch 141/500
267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_90:
0.5170 - val_loss: 0.7363 - val_auc_90: 0.5107
Epoch 142/500
267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_90:
0.5138 - val_loss: 0.8073 - val_auc_90: 0.5100
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 0.7994 - auc_90:
0.5119 - val_loss: 0.8482 - val_auc_90: 0.5103
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 0.8079 - auc_90:
0.5159 - val_loss: 0.7356 - val_auc_90: 0.5196
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_90:
0.5158 - val_loss: 0.7382 - val_auc_90: 0.5080
Epoch 146/500

267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_90:
0.5143 - val_loss: 0.7374 - val_auc_90: 0.5114
Epoch 147/500
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_90:
0.5154 - val_loss: 0.7077 - val_auc_90: 0.5194
Epoch 148/500
267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_90:
0.5162 - val_loss: 0.7467 - val_auc_90: 0.5204
Epoch 149/500
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_90:
0.5144 - val_loss: 0.8903 - val_auc_90: 0.5094
Epoch 150/500
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_90:
0.5150 - val_loss: 0.7773 - val_auc_90: 0.5171
Epoch 151/500
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_90:
0.5121 - val_loss: 0.7591 - val_auc_90: 0.5136
Epoch 152/500
267/267 [=====] - 1s 3ms/step - loss: 0.7750 - auc_90:
0.5146 - val_loss: 0.9057 - val_auc_90: 0.5086
Epoch 153/500
267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_90:
0.5186 - val_loss: 0.7891 - val_auc_90: 0.5088
Epoch 154/500
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_90:
0.5159 - val_loss: 0.8621 - val_auc_90: 0.5171
Epoch 155/500
267/267 [=====] - 1s 3ms/step - loss: 0.7702 - auc_90:
0.5155 - val_loss: 0.8352 - val_auc_90: 0.5102
Epoch 156/500
267/267 [=====] - 1s 3ms/step - loss: 0.7680 - auc_90:
0.5157 - val_loss: 0.7371 - val_auc_90: 0.5162
Epoch 157/500
267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_90:
0.5151 - val_loss: 0.7706 - val_auc_90: 0.5155
Epoch 158/500
267/267 [=====] - 1s 3ms/step - loss: 0.7990 - auc_90:
0.5148 - val_loss: 0.8607 - val_auc_90: 0.5134
Epoch 159/500
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_90:
0.5144 - val_loss: 0.8842 - val_auc_90: 0.5080
Epoch 160/500
267/267 [=====] - 1s 3ms/step - loss: 0.7821 - auc_90:
0.5153 - val_loss: 0.9271 - val_auc_90: 0.5151
Epoch 161/500
267/267 [=====] - 1s 3ms/step - loss: 0.7994 - auc_90:
0.5160 - val_loss: 0.8334 - val_auc_90: 0.5119
Epoch 162/500

267/267 [=====] - 1s 3ms/step - loss: 0.7959 - auc_90:
0.5164 - val_loss: 0.7590 - val_auc_90: 0.5118
Epoch 163/500
267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_90:
0.5131 - val_loss: 0.7552 - val_auc_90: 0.5164
Epoch 164/500
267/267 [=====] - 1s 3ms/step - loss: 0.7646 - auc_90:
0.5161 - val_loss: 0.7687 - val_auc_90: 0.5133
Epoch 165/500
267/267 [=====] - 1s 3ms/step - loss: 0.8017 - auc_90:
0.5183 - val_loss: 0.8538 - val_auc_90: 0.5128
Epoch 166/500
267/267 [=====] - 1s 3ms/step - loss: 0.7677 - auc_90:
0.5169 - val_loss: 0.7260 - val_auc_90: 0.5121
Epoch 167/500
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_90:
0.5168 - val_loss: 0.7259 - val_auc_90: 0.5129
Epoch 168/500
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_90:
0.5161 - val_loss: 0.8266 - val_auc_90: 0.5121
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_90:
0.5162 - val_loss: 0.7340 - val_auc_90: 0.5144
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_90:
0.5171 - val_loss: 0.7446 - val_auc_90: 0.5121
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_90:
0.5127 - val_loss: 0.7346 - val_auc_90: 0.5159
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_90:
0.5141 - val_loss: 0.7378 - val_auc_90: 0.5147
Epoch 173/500
267/267 [=====] - 1s 3ms/step - loss: 0.7616 - auc_90:
0.5151 - val_loss: 0.8142 - val_auc_90: 0.5114
Epoch 174/500
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_90:
0.5175 - val_loss: 0.7548 - val_auc_90: 0.5125
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_90:
0.5147 - val_loss: 0.7947 - val_auc_90: 0.5179
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 0.8122 - auc_90:
0.5152 - val_loss: 0.8175 - val_auc_90: 0.5135
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_90:
0.5166 - val_loss: 0.8583 - val_auc_90: 0.5085
Epoch 178/500

267/267 [=====] - 1s 3ms/step - loss: 0.7983 - auc_90:
0.5154 - val_loss: 0.8233 - val_auc_90: 0.5155
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_90:
0.5146 - val_loss: 0.7561 - val_auc_90: 0.5094
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_90:
0.5167 - val_loss: 0.8577 - val_auc_90: 0.5113
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_90:
0.5161 - val_loss: 0.7955 - val_auc_90: 0.5076
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_90:
0.5167 - val_loss: 0.7508 - val_auc_90: 0.5061
Epoch 183/500
267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_90:
0.5150 - val_loss: 0.7160 - val_auc_90: 0.5176
Epoch 184/500
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_90:
0.5137 - val_loss: 0.7775 - val_auc_90: 0.5174
Epoch 185/500
267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_90:
0.5149 - val_loss: 0.9041 - val_auc_90: 0.5023
Epoch 186/500
267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_90:
0.5143 - val_loss: 0.8083 - val_auc_90: 0.5089
Epoch 187/500
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_90:
0.5148 - val_loss: 0.7637 - val_auc_90: 0.5119
Epoch 188/500
267/267 [=====] - 1s 3ms/step - loss: 0.7924 - auc_90:
0.5145 - val_loss: 0.7889 - val_auc_90: 0.5167
Epoch 189/500
267/267 [=====] - 1s 3ms/step - loss: 0.8010 - auc_90:
0.5152 - val_loss: 0.8200 - val_auc_90: 0.5165
Epoch 190/500
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_90:
0.5149 - val_loss: 0.7912 - val_auc_90: 0.5121
Epoch 191/500
267/267 [=====] - 1s 3ms/step - loss: 0.8003 - auc_90:
0.5156 - val_loss: 0.7244 - val_auc_90: 0.5191
Epoch 192/500
267/267 [=====] - 1s 3ms/step - loss: 0.7624 - auc_90:
0.5149 - val_loss: 0.7222 - val_auc_90: 0.5135
Epoch 193/500
267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_90:
0.5134 - val_loss: 0.8583 - val_auc_90: 0.5144
Epoch 194/500

267/267 [=====] - 1s 3ms/step - loss: 0.7643 - auc_90:
0.5152 - val_loss: 0.7476 - val_auc_90: 0.5104
Epoch 195/500
267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_90:
0.5142 - val_loss: 0.8231 - val_auc_90: 0.5115
Epoch 196/500
267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_90:
0.5151 - val_loss: 0.9639 - val_auc_90: 0.5104
Epoch 197/500
267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_90:
0.5180 - val_loss: 0.7906 - val_auc_90: 0.5059
Epoch 198/500
267/267 [=====] - 1s 3ms/step - loss: 0.7995 - auc_90:
0.5158 - val_loss: 0.7719 - val_auc_90: 0.5123
Epoch 199/500
267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_90:
0.5155 - val_loss: 0.7236 - val_auc_90: 0.5184
Epoch 200/500
267/267 [=====] - 1s 3ms/step - loss: 0.7836 - auc_90:
0.5150 - val_loss: 0.8320 - val_auc_90: 0.5079
Epoch 201/500
267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_90:
0.5148 - val_loss: 0.7752 - val_auc_90: 0.5106
Epoch 202/500
267/267 [=====] - 1s 3ms/step - loss: 0.7877 - auc_90:
0.5137 - val_loss: 0.8775 - val_auc_90: 0.5160
Epoch 203/500
267/267 [=====] - 1s 3ms/step - loss: 0.8116 - auc_90:
0.5189 - val_loss: 0.7386 - val_auc_90: 0.5167
Epoch 204/500
267/267 [=====] - 1s 3ms/step - loss: 0.7668 - auc_90:
0.5150 - val_loss: 0.7914 - val_auc_90: 0.5124
Epoch 205/500
267/267 [=====] - 1s 3ms/step - loss: 0.7664 - auc_90:
0.5170 - val_loss: 0.7320 - val_auc_90: 0.5152
Epoch 206/500
267/267 [=====] - 1s 3ms/step - loss: 0.7666 - auc_90:
0.5146 - val_loss: 0.8002 - val_auc_90: 0.5148
Epoch 207/500
267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_90:
0.5134 - val_loss: 0.8137 - val_auc_90: 0.5112
Epoch 208/500
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_90:
0.5170 - val_loss: 0.7281 - val_auc_90: 0.5118
Epoch 209/500
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_90:
0.5158 - val_loss: 0.8066 - val_auc_90: 0.5124
Epoch 210/500

267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_90:
0.5155 - val_loss: 0.7527 - val_auc_90: 0.5062
Epoch 211/500
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_90:
0.5153 - val_loss: 0.7896 - val_auc_90: 0.5160
Epoch 212/500
267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_90:
0.5185 - val_loss: 0.7695 - val_auc_90: 0.5108
Epoch 213/500
267/267 [=====] - 1s 3ms/step - loss: 0.7682 - auc_90:
0.5179 - val_loss: 0.8241 - val_auc_90: 0.5141
Epoch 214/500
267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_90:
0.5138 - val_loss: 0.8429 - val_auc_90: 0.5097
Epoch 215/500
267/267 [=====] - 1s 3ms/step - loss: 0.7697 - auc_90:
0.5176 - val_loss: 0.7533 - val_auc_90: 0.5189
Epoch 216/500
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_90:
0.5162 - val_loss: 0.8768 - val_auc_90: 0.5116
Epoch 217/500
267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_90:
0.5153 - val_loss: 0.7499 - val_auc_90: 0.5113
Epoch 218/500
267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_90:
0.5156 - val_loss: 0.7696 - val_auc_90: 0.5078
Epoch 219/500
267/267 [=====] - 1s 3ms/step - loss: 0.7968 - auc_90:
0.5156 - val_loss: 0.7623 - val_auc_90: 0.5152
Epoch 220/500
267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_90:
0.5159 - val_loss: 0.7497 - val_auc_90: 0.5200
Epoch 221/500
267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_90:
0.5158 - val_loss: 0.8797 - val_auc_90: 0.5127
Epoch 222/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_90:
0.5151 - val_loss: 0.7257 - val_auc_90: 0.5125
Epoch 223/500
267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_90:
0.5152 - val_loss: 0.8078 - val_auc_90: 0.5148
Epoch 224/500
267/267 [=====] - 1s 3ms/step - loss: 0.7699 - auc_90:
0.5153 - val_loss: 0.7409 - val_auc_90: 0.5102
Epoch 225/500
267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_90:
0.5158 - val_loss: 0.7584 - val_auc_90: 0.5079
Epoch 226/500

267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_90:
0.5145 - val_loss: 0.8152 - val_auc_90: 0.5135
Epoch 227/500
267/267 [=====] - 1s 3ms/step - loss: 0.8057 - auc_90:
0.5157 - val_loss: 0.8539 - val_auc_90: 0.5081
Epoch 228/500
267/267 [=====] - 1s 3ms/step - loss: 0.7714 - auc_90:
0.5163 - val_loss: 0.7539 - val_auc_90: 0.5137
Epoch 229/500
267/267 [=====] - 1s 3ms/step - loss: 0.7695 - auc_90:
0.5161 - val_loss: 0.8716 - val_auc_90: 0.5132
Epoch 230/500
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_90:
0.5174 - val_loss: 0.8532 - val_auc_90: 0.5120
Epoch 231/500
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_90:
0.5160 - val_loss: 0.7706 - val_auc_90: 0.5056
Epoch 232/500
267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_90:
0.5153 - val_loss: 0.7897 - val_auc_90: 0.5126
Epoch 233/500
267/267 [=====] - 1s 3ms/step - loss: 0.8015 - auc_90:
0.5158 - val_loss: 0.8911 - val_auc_90: 0.5113
Epoch 234/500
267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_90:
0.5174 - val_loss: 0.7782 - val_auc_90: 0.5136
Epoch 235/500
267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_90:
0.5146 - val_loss: 0.7512 - val_auc_90: 0.5139
Epoch 236/500
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_90:
0.5167 - val_loss: 0.7395 - val_auc_90: 0.5175
Epoch 237/500
267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_90:
0.5156 - val_loss: 0.7534 - val_auc_90: 0.5128
Epoch 238/500
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_90:
0.5140 - val_loss: 0.9438 - val_auc_90: 0.5121
Epoch 239/500
267/267 [=====] - 1s 3ms/step - loss: 0.8056 - auc_90:
0.5160 - val_loss: 0.7773 - val_auc_90: 0.5090
Epoch 240/500
267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_90:
0.5185 - val_loss: 0.7354 - val_auc_90: 0.5180
Epoch 241/500
267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_90:
0.5167 - val_loss: 0.7613 - val_auc_90: 0.5177
Epoch 242/500

267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_90:
0.5147 - val_loss: 0.7356 - val_auc_90: 0.5106
Epoch 243/500
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_90:
0.5143 - val_loss: 0.7786 - val_auc_90: 0.5085
Epoch 244/500
267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_90:
0.5159 - val_loss: 0.7892 - val_auc_90: 0.5117
Epoch 245/500
267/267 [=====] - 1s 3ms/step - loss: 0.7717 - auc_90:
0.5152 - val_loss: 0.8229 - val_auc_90: 0.5159
Epoch 246/500
267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_90:
0.5190 - val_loss: 0.7658 - val_auc_90: 0.5208
Epoch 247/500
267/267 [=====] - 1s 3ms/step - loss: 0.7675 - auc_90:
0.5159 - val_loss: 0.9049 - val_auc_90: 0.5144
Epoch 248/500
267/267 [=====] - 1s 3ms/step - loss: 0.8043 - auc_90:
0.5170 - val_loss: 0.7398 - val_auc_90: 0.5174
Epoch 249/500
267/267 [=====] - 1s 3ms/step - loss: 0.8013 - auc_90:
0.5145 - val_loss: 0.7407 - val_auc_90: 0.5178
Epoch 250/500
267/267 [=====] - 1s 3ms/step - loss: 0.7629 - auc_90:
0.5184 - val_loss: 0.7358 - val_auc_90: 0.5133
Epoch 251/500
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_90:
0.5150 - val_loss: 0.7093 - val_auc_90: 0.5221
Epoch 252/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_90:
0.5174 - val_loss: 0.7642 - val_auc_90: 0.5167
Epoch 253/500
267/267 [=====] - 1s 3ms/step - loss: 0.7704 - auc_90:
0.5184 - val_loss: 0.7946 - val_auc_90: 0.5069
Epoch 254/500
267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_90:
0.5156 - val_loss: 0.7972 - val_auc_90: 0.5114
Epoch 255/500
267/267 [=====] - 1s 3ms/step - loss: 0.7688 - auc_90:
0.5158 - val_loss: 0.7246 - val_auc_90: 0.5111
Epoch 256/500
267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_90:
0.5159 - val_loss: 0.7955 - val_auc_90: 0.5111
Epoch 257/500
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_90:
0.5162 - val_loss: 0.7637 - val_auc_90: 0.5194
Epoch 258/500

267/267 [=====] - 1s 3ms/step - loss: 0.8062 - auc_90:
0.5164 - val_loss: 0.7470 - val_auc_90: 0.5154
Epoch 259/500
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_90:
0.5166 - val_loss: 0.7683 - val_auc_90: 0.5160
Epoch 260/500
267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_90:
0.5159 - val_loss: 0.8519 - val_auc_90: 0.5135
Epoch 261/500
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_90:
0.5148 - val_loss: 0.8672 - val_auc_90: 0.5145
Epoch 262/500
267/267 [=====] - 1s 3ms/step - loss: 0.8078 - auc_90:
0.5140 - val_loss: 0.7615 - val_auc_90: 0.5161
Epoch 263/500
267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_90:
0.5130 - val_loss: 0.7763 - val_auc_90: 0.5166
Epoch 264/500
267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_90:
0.5169 - val_loss: 0.7487 - val_auc_90: 0.5146
Epoch 265/500
267/267 [=====] - 1s 3ms/step - loss: 0.7722 - auc_90:
0.5170 - val_loss: 0.8033 - val_auc_90: 0.5120
Epoch 266/500
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_90:
0.5191 - val_loss: 0.8334 - val_auc_90: 0.5149
Epoch 267/500
267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_90:
0.5160 - val_loss: 0.8461 - val_auc_90: 0.5144
Epoch 268/500
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_90:
0.5144 - val_loss: 0.7593 - val_auc_90: 0.5147
Epoch 269/500
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_90:
0.5178 - val_loss: 0.7782 - val_auc_90: 0.5143
Epoch 270/500
267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_90:
0.5178 - val_loss: 0.7299 - val_auc_90: 0.5142
Epoch 271/500
267/267 [=====] - 1s 3ms/step - loss: 0.7674 - auc_90:
0.5174 - val_loss: 0.7850 - val_auc_90: 0.5188
Epoch 272/500
267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_90:
0.5159 - val_loss: 0.7212 - val_auc_90: 0.5122
Epoch 273/500
267/267 [=====] - 1s 3ms/step - loss: 0.7703 - auc_90:
0.5158 - val_loss: 0.7379 - val_auc_90: 0.5139
Epoch 274/500

267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_90:
0.5149 - val_loss: 0.8734 - val_auc_90: 0.5151
Epoch 275/500
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_90:
0.5173 - val_loss: 0.7768 - val_auc_90: 0.5059
Epoch 276/500
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_90:
0.5176 - val_loss: 0.7702 - val_auc_90: 0.5158
Epoch 277/500
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_90:
0.5163 - val_loss: 0.7552 - val_auc_90: 0.5133
Epoch 278/500
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_90:
0.5167 - val_loss: 0.7507 - val_auc_90: 0.5071
Epoch 279/500
267/267 [=====] - 1s 3ms/step - loss: 0.7636 - auc_90:
0.5167 - val_loss: 0.7414 - val_auc_90: 0.5160
Epoch 280/500
267/267 [=====] - 1s 3ms/step - loss: 0.7992 - auc_90:
0.5143 - val_loss: 0.7405 - val_auc_90: 0.5158
Epoch 281/500
267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_90:
0.5175 - val_loss: 0.8449 - val_auc_90: 0.5154
Epoch 282/500
267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_90:
0.5173 - val_loss: 0.8088 - val_auc_90: 0.5128
Epoch 283/500
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_90:
0.5149 - val_loss: 0.8414 - val_auc_90: 0.5127
Epoch 284/500
267/267 [=====] - 1s 3ms/step - loss: 0.7921 - auc_90:
0.5187 - val_loss: 0.7460 - val_auc_90: 0.5112
Epoch 285/500
267/267 [=====] - 1s 3ms/step - loss: 0.7651 - auc_90:
0.5188 - val_loss: 0.7472 - val_auc_90: 0.5156
Epoch 286/500
267/267 [=====] - 1s 3ms/step - loss: 0.7596 - auc_90:
0.5185 - val_loss: 0.7446 - val_auc_90: 0.5143
Epoch 287/500
267/267 [=====] - 1s 3ms/step - loss: 0.7919 - auc_90:
0.5169 - val_loss: 0.7938 - val_auc_90: 0.5128
Epoch 288/500
267/267 [=====] - 1s 3ms/step - loss: 0.7681 - auc_90:
0.5167 - val_loss: 0.8150 - val_auc_90: 0.5138
Epoch 289/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_90:
0.5163 - val_loss: 0.7394 - val_auc_90: 0.5162
Epoch 290/500

267/267 [=====] - 1s 3ms/step - loss: 0.7738 - auc_90:
0.5177 - val_loss: 0.7298 - val_auc_90: 0.5132
Epoch 291/500
267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_90:
0.5177 - val_loss: 0.8247 - val_auc_90: 0.5072
Epoch 292/500
267/267 [=====] - 1s 3ms/step - loss: 0.7821 - auc_90:
0.5173 - val_loss: 0.7953 - val_auc_90: 0.5106
Epoch 293/500
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_90:
0.5185 - val_loss: 0.7231 - val_auc_90: 0.5153
Epoch 294/500
267/267 [=====] - 1s 3ms/step - loss: 0.7839 - auc_90:
0.5179 - val_loss: 0.8104 - val_auc_90: 0.5143
Epoch 295/500
267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_90:
0.5178 - val_loss: 0.8121 - val_auc_90: 0.5193
Epoch 296/500
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_90:
0.5184 - val_loss: 0.7187 - val_auc_90: 0.5228
Epoch 297/500
267/267 [=====] - 1s 3ms/step - loss: 0.7653 - auc_90:
0.5196 - val_loss: 0.8200 - val_auc_90: 0.5072
Epoch 298/500
267/267 [=====] - 1s 3ms/step - loss: 0.7711 - auc_90:
0.5163 - val_loss: 0.7158 - val_auc_90: 0.5178
Epoch 299/500
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_90:
0.5166 - val_loss: 0.7984 - val_auc_90: 0.5121
Epoch 300/500
267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_90:
0.5160 - val_loss: 0.7165 - val_auc_90: 0.5202
Epoch 301/500
267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_90:
0.5177 - val_loss: 0.7699 - val_auc_90: 0.5147
Epoch 302/500
267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_90:
0.5169 - val_loss: 0.7530 - val_auc_90: 0.5088
Epoch 303/500
267/267 [=====] - 1s 3ms/step - loss: 0.7654 - auc_90:
0.5158 - val_loss: 0.7671 - val_auc_90: 0.5155
Epoch 304/500
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_90:
0.5164 - val_loss: 0.7481 - val_auc_90: 0.5140
Epoch 305/500
267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_90:
0.5143 - val_loss: 0.7488 - val_auc_90: 0.5146
Epoch 306/500

267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_90:
0.5175 - val_loss: 0.7419 - val_auc_90: 0.5205
Epoch 307/500
267/267 [=====] - 1s 3ms/step - loss: 0.8036 - auc_90:
0.5168 - val_loss: 0.8393 - val_auc_90: 0.5101
Epoch 308/500
267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_90:
0.5170 - val_loss: 0.7752 - val_auc_90: 0.5110
Epoch 309/500
267/267 [=====] - 1s 3ms/step - loss: 0.7735 - auc_90:
0.5155 - val_loss: 0.7405 - val_auc_90: 0.5163
Epoch 310/500
267/267 [=====] - 1s 3ms/step - loss: 0.7648 - auc_90:
0.5191 - val_loss: 0.7497 - val_auc_90: 0.5181
Epoch 311/500
267/267 [=====] - 1s 3ms/step - loss: 0.7635 - auc_90:
0.5181 - val_loss: 0.8250 - val_auc_90: 0.5133
Epoch 312/500
267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_90:
0.5136 - val_loss: 0.7738 - val_auc_90: 0.5099
Epoch 313/500
267/267 [=====] - 1s 3ms/step - loss: 0.7713 - auc_90:
0.5146 - val_loss: 0.9050 - val_auc_90: 0.5163
Epoch 314/500
267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_90:
0.5179 - val_loss: 0.8528 - val_auc_90: 0.5104
Epoch 315/500
267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_90:
0.5171 - val_loss: 0.8135 - val_auc_90: 0.5072
Epoch 316/500
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_90:
0.5170 - val_loss: 0.7311 - val_auc_90: 0.5194
Epoch 317/500
267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_90:
0.5171 - val_loss: 0.8843 - val_auc_90: 0.5116
Epoch 318/500
267/267 [=====] - 1s 3ms/step - loss: 0.7963 - auc_90:
0.5180 - val_loss: 0.7759 - val_auc_90: 0.5121
Epoch 319/500
267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_90:
0.5160 - val_loss: 0.7493 - val_auc_90: 0.5125
Epoch 320/500
267/267 [=====] - 1s 3ms/step - loss: 0.7731 - auc_90:
0.5177 - val_loss: 0.8432 - val_auc_90: 0.5109
Epoch 321/500
267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_90:
0.5136 - val_loss: 0.7557 - val_auc_90: 0.5165
Epoch 322/500

267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_90:
0.5161 - val_loss: 0.7423 - val_auc_90: 0.5179
Epoch 323/500
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_90:
0.5180 - val_loss: 0.7341 - val_auc_90: 0.5149
Epoch 324/500
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_90:
0.5163 - val_loss: 0.7841 - val_auc_90: 0.5131
Epoch 325/500
267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_90:
0.5186 - val_loss: 0.7548 - val_auc_90: 0.5171
Epoch 326/500
267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_90:
0.5160 - val_loss: 0.7748 - val_auc_90: 0.5194
Epoch 327/500
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_90:
0.5170 - val_loss: 0.7457 - val_auc_90: 0.5149
Epoch 328/500
267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_90:
0.5171 - val_loss: 0.7696 - val_auc_90: 0.5086
Epoch 329/500
267/267 [=====] - 1s 3ms/step - loss: 0.7798 - auc_90:
0.5182 - val_loss: 0.8339 - val_auc_90: 0.5158
Epoch 330/500
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_90:
0.5164 - val_loss: 0.8827 - val_auc_90: 0.5083
Epoch 331/500
267/267 [=====] - 1s 3ms/step - loss: 0.8045 - auc_90:
0.5179 - val_loss: 0.7924 - val_auc_90: 0.5071
Epoch 332/500
267/267 [=====] - 1s 3ms/step - loss: 0.8024 - auc_90:
0.5149 - val_loss: 0.7923 - val_auc_90: 0.5108
Epoch 333/500
267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_90:
0.5170 - val_loss: 0.8447 - val_auc_90: 0.5155
Epoch 334/500
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_90:
0.5159 - val_loss: 0.7610 - val_auc_90: 0.5082
Epoch 335/500
267/267 [=====] - 1s 3ms/step - loss: 0.7711 - auc_90:
0.5170 - val_loss: 0.8600 - val_auc_90: 0.5143
Epoch 336/500
267/267 [=====] - 1s 3ms/step - loss: 0.7596 - auc_90:
0.5176 - val_loss: 0.7759 - val_auc_90: 0.5171
Epoch 337/500
267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_90:
0.5167 - val_loss: 0.7659 - val_auc_90: 0.5143
Epoch 338/500

267/267 [=====] - 1s 3ms/step - loss: 0.8188 - auc_90:
0.5139 - val_loss: 0.8026 - val_auc_90: 0.5154
Epoch 339/500
267/267 [=====] - 1s 3ms/step - loss: 0.7489 - auc_90:
0.5197 - val_loss: 0.7508 - val_auc_90: 0.5110
Epoch 340/500
267/267 [=====] - 1s 3ms/step - loss: 0.7704 - auc_90:
0.5133 - val_loss: 0.8318 - val_auc_90: 0.5094
Epoch 341/500
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_90:
0.5164 - val_loss: 0.7867 - val_auc_90: 0.5130
Epoch 342/500
267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_90:
0.5154 - val_loss: 0.7208 - val_auc_90: 0.5159
Epoch 343/500
267/267 [=====] - 1s 3ms/step - loss: 0.7996 - auc_90:
0.5179 - val_loss: 0.8585 - val_auc_90: 0.5159
Epoch 344/500
267/267 [=====] - 1s 3ms/step - loss: 0.7695 - auc_90:
0.5176 - val_loss: 0.8092 - val_auc_90: 0.5121
Epoch 345/500
267/267 [=====] - 1s 3ms/step - loss: 0.8069 - auc_90:
0.5166 - val_loss: 0.8098 - val_auc_90: 0.5130
Epoch 346/500
267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_90:
0.5182 - val_loss: 0.7670 - val_auc_90: 0.5179
Epoch 347/500
267/267 [=====] - 1s 3ms/step - loss: 0.7919 - auc_90:
0.5179 - val_loss: 0.7385 - val_auc_90: 0.5137
Epoch 348/500
267/267 [=====] - 1s 3ms/step - loss: 0.7919 - auc_90:
0.5163 - val_loss: 0.7284 - val_auc_90: 0.5184
Epoch 349/500
267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_90:
0.5172 - val_loss: 0.8124 - val_auc_90: 0.5157
Epoch 350/500
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_90:
0.5171 - val_loss: 0.8976 - val_auc_90: 0.5091
Epoch 351/500
267/267 [=====] - 1s 3ms/step - loss: 0.7839 - auc_90:
0.5178 - val_loss: 0.8052 - val_auc_90: 0.5120
Epoch 352/500
267/267 [=====] - 1s 3ms/step - loss: 0.7670 - auc_90:
0.5196 - val_loss: 0.7846 - val_auc_90: 0.5146
Epoch 353/500
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_90:
0.5174 - val_loss: 0.7306 - val_auc_90: 0.5168
Epoch 354/500

267/267 [=====] - 1s 3ms/step - loss: 0.7526 - auc_90:
 0.5182 - val_loss: 0.7945 - val_auc_90: 0.5141
 Epoch 355/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_90:
 0.5168 - val_loss: 0.7723 - val_auc_90: 0.5193
 Epoch 356/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_90:
 0.5173 - val_loss: 0.7337 - val_auc_90: 0.5175
 Epoch 357/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_90:
 0.5162 - val_loss: 0.8458 - val_auc_90: 0.5166
 Epoch 358/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8116 - auc_90:
 0.5165 - val_loss: 0.8275 - val_auc_90: 0.5102
 Epoch 359/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7572 - auc_90:
 0.5163 - val_loss: 0.7958 - val_auc_90: 0.5137
 Epoch 360/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8062 - auc_90:
 0.5177 - val_loss: 0.8618 - val_auc_90: 0.5113
 Epoch 361/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_90:
 0.5160 - val_loss: 0.7828 - val_auc_90: 0.5172
 Epoch 362/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_90:
 0.5170 - val_loss: 0.8006 - val_auc_90: 0.5142
 Epoch 363/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_90:
 0.5157 - val_loss: 0.7880 - val_auc_90: 0.5125
 Epoch 364/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_90:
 0.5162 - val_loss: 0.7406 - val_auc_90: 0.5125
 Epoch 365/500
 267/267 [=====] - 1s 3ms/step - loss: 0.8103 - auc_90:
 0.5170 - val_loss: 0.7709 - val_auc_90: 0.5144
 Epoch 366/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_90:
 0.5161 - val_loss: 0.7836 - val_auc_90: 0.5052
 Epoch 367/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_90:
 0.5155 - val_loss: 0.8633 - val_auc_90: 0.5162
 Epoch 368/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_90:
 0.5177 - val_loss: 0.8460 - val_auc_90: 0.5194
 Epoch 369/500
 267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_90:
 0.5167 - val_loss: 0.7818 - val_auc_90: 0.5142
 Epoch 370/500

267/267 [=====] - 1s 3ms/step - loss: 0.8069 - auc_90:
0.5145 - val_loss: 0.7178 - val_auc_90: 0.5076
Epoch 371/500
267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_90:
0.5140 - val_loss: 0.7980 - val_auc_90: 0.5143
Epoch 372/500
267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_90:
0.5175 - val_loss: 0.8256 - val_auc_90: 0.5131
Epoch 373/500
267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_90:
0.5178 - val_loss: 0.7348 - val_auc_90: 0.5164
Epoch 374/500
267/267 [=====] - 1s 3ms/step - loss: 0.7635 - auc_90:
0.5167 - val_loss: 0.7591 - val_auc_90: 0.5131
Epoch 375/500
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_90:
0.5165 - val_loss: 0.7764 - val_auc_90: 0.5182
Epoch 376/500
267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_90:
0.5176 - val_loss: 0.7074 - val_auc_90: 0.5214
Epoch 377/500
267/267 [=====] - 1s 3ms/step - loss: 0.8032 - auc_90:
0.5176 - val_loss: 0.7548 - val_auc_90: 0.5167
Epoch 378/500
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_90:
0.5163 - val_loss: 0.7618 - val_auc_90: 0.5181
Epoch 379/500
267/267 [=====] - 1s 3ms/step - loss: 0.7685 - auc_90:
0.5179 - val_loss: 0.7701 - val_auc_90: 0.5090
Epoch 380/500
267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_90:
0.5167 - val_loss: 0.8521 - val_auc_90: 0.5097
Epoch 381/500
267/267 [=====] - 1s 3ms/step - loss: 0.7660 - auc_90:
0.5174 - val_loss: 0.7677 - val_auc_90: 0.5155
Epoch 382/500
267/267 [=====] - 1s 3ms/step - loss: 0.7642 - auc_90:
0.5180 - val_loss: 0.7988 - val_auc_90: 0.5093
Epoch 383/500
267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_90:
0.5162 - val_loss: 0.7501 - val_auc_90: 0.5174
Epoch 384/500
267/267 [=====] - 1s 3ms/step - loss: 0.7585 - auc_90:
0.5154 - val_loss: 0.8087 - val_auc_90: 0.5098
Epoch 385/500
267/267 [=====] - 1s 3ms/step - loss: 0.7967 - auc_90:
0.5175 - val_loss: 0.7803 - val_auc_90: 0.5205
Epoch 386/500

267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_90:
0.5181 - val_loss: 0.8777 - val_auc_90: 0.5076
Epoch 387/500
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_90:
0.5156 - val_loss: 0.7668 - val_auc_90: 0.5119
Epoch 388/500
267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_90:
0.5154 - val_loss: 0.9245 - val_auc_90: 0.5081
Epoch 389/500
267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_90:
0.5178 - val_loss: 0.7410 - val_auc_90: 0.5109
Epoch 390/500
267/267 [=====] - 1s 3ms/step - loss: 0.7984 - auc_90:
0.5200 - val_loss: 0.8000 - val_auc_90: 0.5151
Epoch 391/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_90:
0.5160 - val_loss: 0.7731 - val_auc_90: 0.5106
Epoch 392/500
267/267 [=====] - 1s 3ms/step - loss: 0.8190 - auc_90:
0.5169 - val_loss: 0.7557 - val_auc_90: 0.5204
Epoch 393/500
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_90:
0.5161 - val_loss: 0.7597 - val_auc_90: 0.5115
Epoch 394/500
267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_90:
0.5171 - val_loss: 0.7349 - val_auc_90: 0.5157
Epoch 395/500
267/267 [=====] - 1s 3ms/step - loss: 0.7420 - auc_90:
0.5166 - val_loss: 0.8304 - val_auc_90: 0.5143
Epoch 396/500
267/267 [=====] - 1s 3ms/step - loss: 0.7597 - auc_90:
0.5179 - val_loss: 0.7843 - val_auc_90: 0.5101
Epoch 397/500
267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_90:
0.5172 - val_loss: 0.7815 - val_auc_90: 0.5163
Epoch 398/500
267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_90:
0.5181 - val_loss: 0.7859 - val_auc_90: 0.5130
Epoch 399/500
267/267 [=====] - 1s 3ms/step - loss: 0.8250 - auc_90:
0.5163 - val_loss: 0.8008 - val_auc_90: 0.5109
Epoch 400/500
267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_90:
0.5170 - val_loss: 0.7641 - val_auc_90: 0.5107
Epoch 401/500
267/267 [=====] - 1s 3ms/step - loss: 0.7654 - auc_90:
0.5190 - val_loss: 0.7785 - val_auc_90: 0.5129
Epoch 402/500

267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_90:
0.5166 - val_loss: 0.7985 - val_auc_90: 0.5178
Epoch 403/500
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_90:
0.5168 - val_loss: 0.7770 - val_auc_90: 0.5108
Epoch 404/500
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_90:
0.5165 - val_loss: 0.8115 - val_auc_90: 0.5139
Epoch 405/500
267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_90:
0.5178 - val_loss: 0.7461 - val_auc_90: 0.5115
Epoch 406/500
267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_90:
0.5178 - val_loss: 0.7217 - val_auc_90: 0.5192
Epoch 407/500
267/267 [=====] - 1s 3ms/step - loss: 0.8161 - auc_90:
0.5153 - val_loss: 0.7811 - val_auc_90: 0.5157
Epoch 408/500
267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_90:
0.5180 - val_loss: 0.8049 - val_auc_90: 0.5138
Epoch 409/500
267/267 [=====] - 1s 3ms/step - loss: 0.7702 - auc_90:
0.5172 - val_loss: 0.8434 - val_auc_90: 0.5179
Epoch 410/500
267/267 [=====] - 1s 3ms/step - loss: 0.7991 - auc_90:
0.5179 - val_loss: 0.7442 - val_auc_90: 0.5194
Epoch 411/500
267/267 [=====] - 1s 3ms/step - loss: 0.7587 - auc_90:
0.5179 - val_loss: 0.7230 - val_auc_90: 0.5152
Epoch 412/500
267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_90:
0.5176 - val_loss: 0.7407 - val_auc_90: 0.5164
Epoch 413/500
267/267 [=====] - 1s 3ms/step - loss: 0.7687 - auc_90:
0.5164 - val_loss: 0.8009 - val_auc_90: 0.5141
Epoch 414/500
267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_90:
0.5193 - val_loss: 0.7412 - val_auc_90: 0.5137
Epoch 415/500
267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_90:
0.5185 - val_loss: 0.7713 - val_auc_90: 0.5171
Epoch 416/500
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_90:
0.5181 - val_loss: 0.7891 - val_auc_90: 0.5108
Epoch 417/500
267/267 [=====] - 1s 3ms/step - loss: 0.7686 - auc_90:
0.5196 - val_loss: 0.7593 - val_auc_90: 0.5150
Epoch 418/500

267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_90:
0.5154 - val_loss: 0.7976 - val_auc_90: 0.5117
Epoch 419/500
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_90:
0.5168 - val_loss: 0.9002 - val_auc_90: 0.5136
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_90:
0.5180 - val_loss: 0.7471 - val_auc_90: 0.5101
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 0.7722 - auc_90:
0.5176 - val_loss: 0.7592 - val_auc_90: 0.5119
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 0.8091 - auc_90:
0.5176 - val_loss: 1.0687 - val_auc_90: 0.5138
Epoch 423/500
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_90:
0.5142 - val_loss: 0.7774 - val_auc_90: 0.5088
Epoch 424/500
267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_90:
0.5158 - val_loss: 0.7384 - val_auc_90: 0.5069
Epoch 425/500
267/267 [=====] - 1s 3ms/step - loss: 0.7547 - auc_90:
0.5182 - val_loss: 0.8197 - val_auc_90: 0.5099
Epoch 426/500
267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_90:
0.5186 - val_loss: 0.7381 - val_auc_90: 0.5166
Epoch 427/500
267/267 [=====] - 1s 3ms/step - loss: 0.7649 - auc_90:
0.5159 - val_loss: 0.7738 - val_auc_90: 0.5116
Epoch 428/500
267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_90:
0.5189 - val_loss: 0.7728 - val_auc_90: 0.5065
Epoch 429/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_90:
0.5173 - val_loss: 0.7689 - val_auc_90: 0.5195
Epoch 430/500
267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_90:
0.5182 - val_loss: 0.8327 - val_auc_90: 0.5075
Epoch 431/500
267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_90:
0.5155 - val_loss: 0.7755 - val_auc_90: 0.5125
Epoch 432/500
267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_90:
0.5150 - val_loss: 0.7457 - val_auc_90: 0.5095
Epoch 433/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_90:
0.5176 - val_loss: 0.7552 - val_auc_90: 0.5145
Epoch 434/500

267/267 [=====] - 1s 3ms/step - loss: 0.7615 - auc_90:
0.5172 - val_loss: 0.7440 - val_auc_90: 0.5153
Epoch 435/500
267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_90:
0.5172 - val_loss: 0.9163 - val_auc_90: 0.5112
Epoch 436/500
267/267 [=====] - 1s 3ms/step - loss: 0.8067 - auc_90:
0.5139 - val_loss: 0.8299 - val_auc_90: 0.5068
Epoch 437/500
267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_90:
0.5184 - val_loss: 0.7720 - val_auc_90: 0.5168
Epoch 438/500
267/267 [=====] - 1s 3ms/step - loss: 0.7932 - auc_90:
0.5187 - val_loss: 0.9935 - val_auc_90: 0.5135
Epoch 439/500
267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_90:
0.5179 - val_loss: 0.7182 - val_auc_90: 0.5162
Epoch 440/500
267/267 [=====] - 1s 3ms/step - loss: 0.7873 - auc_90:
0.5170 - val_loss: 0.7468 - val_auc_90: 0.5116
Epoch 441/500
267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_90:
0.5187 - val_loss: 0.7347 - val_auc_90: 0.5182
Epoch 442/500
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_90:
0.5178 - val_loss: 0.7938 - val_auc_90: 0.5111
Epoch 443/500
267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_90:
0.5179 - val_loss: 0.7429 - val_auc_90: 0.5116
Epoch 444/500
267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_90:
0.5198 - val_loss: 0.7690 - val_auc_90: 0.5116
Epoch 445/500
267/267 [=====] - 1s 3ms/step - loss: 0.7674 - auc_90:
0.5188 - val_loss: 0.7911 - val_auc_90: 0.5121
Epoch 446/500
267/267 [=====] - 1s 3ms/step - loss: 0.8078 - auc_90:
0.5192 - val_loss: 0.8396 - val_auc_90: 0.5169
Epoch 447/500
267/267 [=====] - 1s 3ms/step - loss: 0.7672 - auc_90:
0.5199 - val_loss: 0.7537 - val_auc_90: 0.5112
Epoch 448/500
267/267 [=====] - 1s 3ms/step - loss: 0.7628 - auc_90:
0.5170 - val_loss: 0.8460 - val_auc_90: 0.5071
Epoch 449/500
267/267 [=====] - 1s 3ms/step - loss: 0.7895 - auc_90:
0.5161 - val_loss: 0.7257 - val_auc_90: 0.5113
Epoch 450/500

267/267 [=====] - 1s 3ms/step - loss: 0.7639 - auc_90:
0.5171 - val_loss: 0.7202 - val_auc_90: 0.5190
Epoch 451/500
267/267 [=====] - 1s 3ms/step - loss: 0.7615 - auc_90:
0.5168 - val_loss: 0.7501 - val_auc_90: 0.5127
Epoch 452/500
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_90:
0.5155 - val_loss: 0.7758 - val_auc_90: 0.5112
Epoch 453/500
267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_90:
0.5172 - val_loss: 0.7385 - val_auc_90: 0.5120
Epoch 454/500
267/267 [=====] - 1s 3ms/step - loss: 0.7675 - auc_90:
0.5190 - val_loss: 0.7759 - val_auc_90: 0.5111
Epoch 455/500
267/267 [=====] - 1s 3ms/step - loss: 0.7899 - auc_90:
0.5167 - val_loss: 0.7513 - val_auc_90: 0.5182
Epoch 456/500
267/267 [=====] - 1s 3ms/step - loss: 0.8052 - auc_90:
0.5190 - val_loss: 0.7756 - val_auc_90: 0.5118
Epoch 457/500
267/267 [=====] - 1s 3ms/step - loss: 0.7698 - auc_90:
0.5211 - val_loss: 0.8051 - val_auc_90: 0.5148
Epoch 458/500
267/267 [=====] - 1s 3ms/step - loss: 0.7735 - auc_90:
0.5144 - val_loss: 0.7291 - val_auc_90: 0.5164
Epoch 459/500
267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_90:
0.5162 - val_loss: 0.8566 - val_auc_90: 0.5176
Epoch 460/500
267/267 [=====] - 1s 3ms/step - loss: 0.7669 - auc_90:
0.5167 - val_loss: 0.7857 - val_auc_90: 0.5166
Epoch 461/500
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_90:
0.5188 - val_loss: 0.8850 - val_auc_90: 0.5039
Epoch 462/500
267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_90:
0.5167 - val_loss: 0.7723 - val_auc_90: 0.5186
Epoch 463/500
267/267 [=====] - 1s 3ms/step - loss: 0.7947 - auc_90:
0.5193 - val_loss: 0.7794 - val_auc_90: 0.5113
Epoch 464/500
267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_90:
0.5177 - val_loss: 0.8157 - val_auc_90: 0.5116
Epoch 465/500
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_90:
0.5156 - val_loss: 0.7440 - val_auc_90: 0.5143
Epoch 466/500

267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_90:
0.5182 - val_loss: 0.9153 - val_auc_90: 0.5150
Epoch 467/500
267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_90:
0.5207 - val_loss: 0.7304 - val_auc_90: 0.5146
Epoch 468/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_90:
0.5167 - val_loss: 0.8482 - val_auc_90: 0.5086
Epoch 469/500
267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_90:
0.5182 - val_loss: 0.8350 - val_auc_90: 0.5086
Epoch 470/500
267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_90:
0.5165 - val_loss: 0.7630 - val_auc_90: 0.5105
Epoch 471/500
267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_90:
0.5191 - val_loss: 0.8568 - val_auc_90: 0.5108
Epoch 472/500
267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_90:
0.5185 - val_loss: 0.8023 - val_auc_90: 0.5084
Epoch 473/500
267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_90:
0.5187 - val_loss: 0.8429 - val_auc_90: 0.5181
Epoch 474/500
267/267 [=====] - 1s 3ms/step - loss: 0.8329 - auc_90:
0.5175 - val_loss: 0.7502 - val_auc_90: 0.5171
Epoch 475/500
267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_90:
0.5167 - val_loss: 0.8733 - val_auc_90: 0.5207
Epoch 476/500
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_90:
0.5170 - val_loss: 0.8568 - val_auc_90: 0.5136
Epoch 477/500
267/267 [=====] - 1s 3ms/step - loss: 0.7614 - auc_90:
0.5193 - val_loss: 0.7713 - val_auc_90: 0.5144
Epoch 478/500
267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_90:
0.5176 - val_loss: 0.7788 - val_auc_90: 0.5175
Epoch 479/500
267/267 [=====] - 1s 3ms/step - loss: 0.7644 - auc_90:
0.5185 - val_loss: 0.7808 - val_auc_90: 0.5133
Epoch 480/500
267/267 [=====] - 1s 3ms/step - loss: 0.7675 - auc_90:
0.5179 - val_loss: 0.7603 - val_auc_90: 0.5159
Epoch 481/500
267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_90:
0.5198 - val_loss: 0.8529 - val_auc_90: 0.5039
Epoch 482/500

267/267 [=====] - 1s 3ms/step - loss: 0.7656 - auc_90:
0.5186 - val_loss: 0.7304 - val_auc_90: 0.5175
Epoch 483/500
267/267 [=====] - 1s 3ms/step - loss: 0.7993 - auc_90:
0.5172 - val_loss: 0.8044 - val_auc_90: 0.5173
Epoch 484/500
267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_90:
0.5173 - val_loss: 0.8543 - val_auc_90: 0.5100
Epoch 485/500
267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_90:
0.5192 - val_loss: 0.7285 - val_auc_90: 0.5136
Epoch 486/500
267/267 [=====] - 1s 3ms/step - loss: 0.7613 - auc_90:
0.5207 - val_loss: 0.7408 - val_auc_90: 0.5201
Epoch 487/500
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_90:
0.5134 - val_loss: 0.8351 - val_auc_90: 0.5205
Epoch 488/500
267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_90:
0.5161 - val_loss: 0.7475 - val_auc_90: 0.5141
Epoch 489/500
267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_90:
0.5163 - val_loss: 0.7539 - val_auc_90: 0.5129
Epoch 490/500
267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_90:
0.5185 - val_loss: 0.7152 - val_auc_90: 0.5150
Epoch 491/500
267/267 [=====] - 1s 3ms/step - loss: 0.7538 - auc_90:
0.5177 - val_loss: 0.7172 - val_auc_90: 0.5157
Epoch 492/500
267/267 [=====] - 1s 3ms/step - loss: 0.7685 - auc_90:
0.5162 - val_loss: 0.7455 - val_auc_90: 0.5199
Epoch 493/500
267/267 [=====] - 1s 3ms/step - loss: 0.7656 - auc_90:
0.5158 - val_loss: 0.7600 - val_auc_90: 0.5174
Epoch 494/500
267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_90:
0.5173 - val_loss: 0.9264 - val_auc_90: 0.5108
Epoch 495/500
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_90:
0.5196 - val_loss: 0.7637 - val_auc_90: 0.5146
Epoch 496/500
267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_90:
0.5179 - val_loss: 0.7632 - val_auc_90: 0.5143
Epoch 497/500
267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_90:
0.5154 - val_loss: 0.7947 - val_auc_90: 0.5080
Epoch 498/500


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267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_90:
0.5179 - val_loss: 0.7501 - val_auc_90: 0.5118
Epoch 499/500
267/267 [=====] - 1s 3ms/step - loss: 0.7539 - auc_90:
0.5175 - val_loss: 0.7185 - val_auc_90: 0.5145
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_90:
0.5165 - val_loss: 0.7735 - val_auc_90: 0.5178
625/625 [=====] - 0s 583us/step
[CV] ... epochs=500, learning_rate=0.001, score=0.510, total= 6.4min
[CV] epochs=500, learning_rate=0.01 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 4.2178 - auc_91:
0.4960 - val_loss: 1.9246 - val_auc_91: 0.5036
Epoch 2/500
267/267 [=====] - 1s 3ms/step - loss: 2.3916 - auc_91:
0.4975 - val_loss: 2.8020 - val_auc_91: 0.4968
Epoch 3/500
267/267 [=====] - 1s 3ms/step - loss: 2.3216 - auc_91:
0.5015 - val_loss: 2.7715 - val_auc_91: 0.5034
Epoch 4/500
267/267 [=====] - 1s 3ms/step - loss: 2.4009 - auc_91:
0.5037 - val_loss: 4.1730 - val_auc_91: 0.4890
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 2.3433 - auc_91:
0.5013 - val_loss: 3.5113 - val_auc_91: 0.4987
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 2.5987 - auc_91:
0.5049 - val_loss: 3.5984 - val_auc_91: 0.4982
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 2.5413 - auc_91:
0.5053 - val_loss: 2.5210 - val_auc_91: 0.5019
Epoch 8/500
267/267 [=====] - 1s 3ms/step - loss: 2.5120 - auc_91:
0.5033 - val_loss: 2.2949 - val_auc_91: 0.5045
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 2.1541 - auc_91:
0.5050 - val_loss: 1.7730 - val_auc_91: 0.4987
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 2.1225 - auc_91:
0.5063 - val_loss: 2.2457 - val_auc_91: 0.5043
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 2.6834 - auc_91:
0.5027 - val_loss: 2.2152 - val_auc_91: 0.5063
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 2.1812 - auc_91:
0.5046 - val_loss: 2.1455 - val_auc_91: 0.4982
Epoch 13/500

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267/267 [=====] - 1s 3ms/step - loss: 2.5929 - auc_91:
0.5058 - val_loss: 1.0853 - val_auc_91: 0.4941
Epoch 14/500
267/267 [=====] - 1s 3ms/step - loss: 2.3471 - auc_91:
0.5024 - val_loss: 1.5033 - val_auc_91: 0.4973
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 2.2776 - auc_91:
0.5030 - val_loss: 2.0675 - val_auc_91: 0.4991
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 2.4032 - auc_91:
0.5011 - val_loss: 1.9117 - val_auc_91: 0.5087
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 2.4870 - auc_91:
0.5036 - val_loss: 2.4147 - val_auc_91: 0.5107
Epoch 18/500
267/267 [=====] - 1s 3ms/step - loss: 2.1479 - auc_91:
0.5084 - val_loss: 2.1679 - val_auc_91: 0.5038
Epoch 19/500
267/267 [=====] - 1s 3ms/step - loss: 2.2431 - auc_91:
0.5057 - val_loss: 1.3995 - val_auc_91: 0.5058
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 2.1698 - auc_91:
0.5073 - val_loss: 2.2614 - val_auc_91: 0.5010
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 2.2438 - auc_91:
0.5047 - val_loss: 1.6688 - val_auc_91: 0.5026
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 2.3007 - auc_91:
0.5078 - val_loss: 0.9779 - val_auc_91: 0.5057
Epoch 23/500
267/267 [=====] - 1s 3ms/step - loss: 2.4652 - auc_91:
0.5042 - val_loss: 2.7526 - val_auc_91: 0.4972
Epoch 24/500
267/267 [=====] - 1s 3ms/step - loss: 2.9007 - auc_91:
0.5045 - val_loss: 2.0618 - val_auc_91: 0.5059
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 2.1690 - auc_91:
0.5058 - val_loss: 2.1499 - val_auc_91: 0.5022
Epoch 26/500
267/267 [=====] - 1s 3ms/step - loss: 2.6051 - auc_91:
0.5049 - val_loss: 3.5752 - val_auc_91: 0.5040
Epoch 27/500
267/267 [=====] - 1s 3ms/step - loss: 2.3943 - auc_91:
0.5059 - val_loss: 4.1174 - val_auc_91: 0.4957
Epoch 28/500
267/267 [=====] - 1s 3ms/step - loss: 2.0889 - auc_91:
0.5055 - val_loss: 4.4314 - val_auc_91: 0.4983
Epoch 29/500

267/267 [=====] - 1s 3ms/step - loss: 2.8527 - auc_91:
0.5073 - val_loss: 1.5948 - val_auc_91: 0.5080
Epoch 30/500
267/267 [=====] - 1s 3ms/step - loss: 2.1705 - auc_91:
0.5071 - val_loss: 2.8401 - val_auc_91: 0.5044
Epoch 31/500
267/267 [=====] - 1s 3ms/step - loss: 2.1534 - auc_91:
0.5069 - val_loss: 1.9606 - val_auc_91: 0.4975
Epoch 32/500
267/267 [=====] - 1s 3ms/step - loss: 2.3607 - auc_91:
0.5040 - val_loss: 2.2498 - val_auc_91: 0.5105
Epoch 33/500
267/267 [=====] - 1s 3ms/step - loss: 2.6374 - auc_91:
0.5086 - val_loss: 2.4096 - val_auc_91: 0.5082
Epoch 34/500
267/267 [=====] - 1s 3ms/step - loss: 2.5741 - auc_91:
0.5054 - val_loss: 5.3083 - val_auc_91: 0.5005
Epoch 35/500
267/267 [=====] - 1s 3ms/step - loss: 2.3599 - auc_91:
0.5046 - val_loss: 2.3830 - val_auc_91: 0.5120
Epoch 36/500
267/267 [=====] - 1s 3ms/step - loss: 2.1503 - auc_91:
0.5043 - val_loss: 2.7460 - val_auc_91: 0.5093
Epoch 37/500
267/267 [=====] - 1s 3ms/step - loss: 1.9545 - auc_91:
0.5045 - val_loss: 2.9786 - val_auc_91: 0.5031
Epoch 38/500
267/267 [=====] - 1s 3ms/step - loss: 2.6801 - auc_91:
0.5031 - val_loss: 2.3761 - val_auc_91: 0.4967
Epoch 39/500
267/267 [=====] - 1s 3ms/step - loss: 2.5265 - auc_91:
0.5090 - val_loss: 2.5770 - val_auc_91: 0.4976
Epoch 40/500
267/267 [=====] - 1s 3ms/step - loss: 1.9155 - auc_91:
0.5080 - val_loss: 1.4424 - val_auc_91: 0.5077
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 2.4731 - auc_91:
0.5060 - val_loss: 2.4286 - val_auc_91: 0.5052
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 2.2099 - auc_91:
0.5035 - val_loss: 3.6189 - val_auc_91: 0.5106
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 2.3409 - auc_91:
0.5072 - val_loss: 2.9983 - val_auc_91: 0.5117
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 2.4903 - auc_91:
0.5095 - val_loss: 1.8543 - val_auc_91: 0.5032
Epoch 45/500

267/267 [=====] - 1s 3ms/step - loss: 2.2943 - auc_91:
0.5036 - val_loss: 3.6658 - val_auc_91: 0.5091
Epoch 46/500
267/267 [=====] - 1s 3ms/step - loss: 2.3713 - auc_91:
0.5071 - val_loss: 1.7237 - val_auc_91: 0.4954
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 2.6568 - auc_91:
0.5075 - val_loss: 3.1571 - val_auc_91: 0.4963
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 2.3586 - auc_91:
0.5086 - val_loss: 2.1315 - val_auc_91: 0.5082
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 2.7739 - auc_91:
0.5082 - val_loss: 2.4433 - val_auc_91: 0.5085
Epoch 50/500
267/267 [=====] - 1s 3ms/step - loss: 2.1154 - auc_91:
0.5022 - val_loss: 1.0170 - val_auc_91: 0.4993
Epoch 51/500
267/267 [=====] - 1s 3ms/step - loss: 2.2401 - auc_91:
0.5039 - val_loss: 2.5644 - val_auc_91: 0.5025
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 2.4815 - auc_91:
0.5090 - val_loss: 2.5946 - val_auc_91: 0.4960
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 2.0383 - auc_91:
0.5063 - val_loss: 1.3402 - val_auc_91: 0.4975
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 2.2279 - auc_91:
0.5063 - val_loss: 1.1838 - val_auc_91: 0.5030
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 2.4560 - auc_91:
0.5030 - val_loss: 3.3158 - val_auc_91: 0.4977
Epoch 56/500
267/267 [=====] - 1s 3ms/step - loss: 1.8890 - auc_91:
0.5068 - val_loss: 1.7394 - val_auc_91: 0.5003
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 2.3817 - auc_91:
0.5073 - val_loss: 2.4046 - val_auc_91: 0.5081
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 2.2561 - auc_91:
0.5095 - val_loss: 1.7260 - val_auc_91: 0.5069
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 2.3338 - auc_91:
0.5048 - val_loss: 1.5229 - val_auc_91: 0.4927
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 2.3527 - auc_91:
0.5061 - val_loss: 1.5467 - val_auc_91: 0.5092
Epoch 61/500

267/267 [=====] - 1s 3ms/step - loss: 2.3288 - auc_91:
0.5070 - val_loss: 1.8720 - val_auc_91: 0.5107
Epoch 62/500
267/267 [=====] - 1s 3ms/step - loss: 2.2305 - auc_91:
0.5069 - val_loss: 2.1057 - val_auc_91: 0.5144
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 2.1668 - auc_91:
0.5079 - val_loss: 2.3881 - val_auc_91: 0.5095
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 2.3422 - auc_91:
0.5038 - val_loss: 1.3097 - val_auc_91: 0.4996
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 2.2925 - auc_91:
0.5065 - val_loss: 1.7073 - val_auc_91: 0.5114
Epoch 66/500
267/267 [=====] - 1s 3ms/step - loss: 2.5531 - auc_91:
0.5047 - val_loss: 1.9290 - val_auc_91: 0.4997
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 2.3282 - auc_91:
0.5054 - val_loss: 3.0396 - val_auc_91: 0.4989
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 2.3509 - auc_91:
0.5062 - val_loss: 2.8926 - val_auc_91: 0.5102
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 2.7028 - auc_91:
0.5073 - val_loss: 2.0578 - val_auc_91: 0.5075
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 2.1539 - auc_91:
0.5079 - val_loss: 2.2550 - val_auc_91: 0.5093
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 2.2932 - auc_91:
0.5015 - val_loss: 2.8103 - val_auc_91: 0.4970
Epoch 72/500
267/267 [=====] - 1s 3ms/step - loss: 2.1176 - auc_91:
0.5057 - val_loss: 2.5004 - val_auc_91: 0.5049
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 2.1414 - auc_91:
0.5086 - val_loss: 1.4747 - val_auc_91: 0.5115
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 2.5092 - auc_91:
0.5081 - val_loss: 2.0590 - val_auc_91: 0.5047
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 2.1636 - auc_91:
0.5083 - val_loss: 2.3494 - val_auc_91: 0.5133
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 2.0163 - auc_91:
0.5055 - val_loss: 2.0086 - val_auc_91: 0.5096
Epoch 77/500

267/267 [=====] - 1s 3ms/step - loss: 2.5133 - auc_91:
0.5089 - val_loss: 4.6421 - val_auc_91: 0.5110
Epoch 78/500
267/267 [=====] - 1s 3ms/step - loss: 2.5747 - auc_91:
0.5059 - val_loss: 1.8186 - val_auc_91: 0.5007
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 2.1930 - auc_91:
0.5084 - val_loss: 2.4765 - val_auc_91: 0.4946
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 2.3010 - auc_91:
0.5084 - val_loss: 2.2628 - val_auc_91: 0.5103
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 2.4104 - auc_91:
0.5041 - val_loss: 2.5922 - val_auc_91: 0.5062
Epoch 82/500
267/267 [=====] - 1s 3ms/step - loss: 2.4400 - auc_91:
0.5031 - val_loss: 3.5237 - val_auc_91: 0.5009
Epoch 83/500
267/267 [=====] - 1s 3ms/step - loss: 2.8076 - auc_91:
0.5058 - val_loss: 2.1315 - val_auc_91: 0.5024
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 2.1841 - auc_91:
0.5053 - val_loss: 1.8427 - val_auc_91: 0.4985
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 2.1043 - auc_91:
0.5104 - val_loss: 1.9897 - val_auc_91: 0.5078
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 2.3042 - auc_91:
0.5053 - val_loss: 1.3660 - val_auc_91: 0.5038
Epoch 87/500
267/267 [=====] - 1s 3ms/step - loss: 2.4534 - auc_91:
0.5040 - val_loss: 2.1015 - val_auc_91: 0.4978
Epoch 88/500
267/267 [=====] - 1s 3ms/step - loss: 2.5132 - auc_91:
0.5063 - val_loss: 3.2738 - val_auc_91: 0.4970
Epoch 89/500
267/267 [=====] - 1s 3ms/step - loss: 2.3325 - auc_91:
0.5049 - val_loss: 1.6392 - val_auc_91: 0.5027
Epoch 90/500
267/267 [=====] - 1s 3ms/step - loss: 2.8708 - auc_91:
0.5077 - val_loss: 2.1047 - val_auc_91: 0.5067
Epoch 91/500
267/267 [=====] - 1s 3ms/step - loss: 2.0093 - auc_91:
0.5067 - val_loss: 2.8345 - val_auc_91: 0.5084
Epoch 92/500
267/267 [=====] - 1s 3ms/step - loss: 2.3482 - auc_91:
0.5034 - val_loss: 1.3476 - val_auc_91: 0.5162
Epoch 93/500

267/267 [=====] - 1s 3ms/step - loss: 2.4726 - auc_91:
0.5073 - val_loss: 1.8224 - val_auc_91: 0.4976
Epoch 94/500
267/267 [=====] - 1s 3ms/step - loss: 2.6359 - auc_91:
0.5043 - val_loss: 1.9129 - val_auc_91: 0.5139
Epoch 95/500
267/267 [=====] - 1s 3ms/step - loss: 2.2636 - auc_91:
0.5069 - val_loss: 3.5621 - val_auc_91: 0.4946
Epoch 96/500
267/267 [=====] - 1s 3ms/step - loss: 2.1250 - auc_91:
0.5084 - val_loss: 1.4878 - val_auc_91: 0.5040
Epoch 97/500
267/267 [=====] - 1s 3ms/step - loss: 2.7736 - auc_91:
0.5072 - val_loss: 3.5941 - val_auc_91: 0.5135
Epoch 98/500
267/267 [=====] - 1s 3ms/step - loss: 2.5481 - auc_91:
0.5059 - val_loss: 3.8044 - val_auc_91: 0.4957
Epoch 99/500
267/267 [=====] - 1s 3ms/step - loss: 2.2995 - auc_91:
0.5073 - val_loss: 3.6562 - val_auc_91: 0.5080
Epoch 100/500
267/267 [=====] - 1s 3ms/step - loss: 2.4427 - auc_91:
0.5024 - val_loss: 1.3713 - val_auc_91: 0.5064
Epoch 101/500
267/267 [=====] - 1s 3ms/step - loss: 2.0057 - auc_91:
0.5051 - val_loss: 3.5597 - val_auc_91: 0.5102
Epoch 102/500
267/267 [=====] - 1s 3ms/step - loss: 2.4570 - auc_91:
0.5063 - val_loss: 2.5268 - val_auc_91: 0.5057
Epoch 103/500
267/267 [=====] - 1s 3ms/step - loss: 2.3078 - auc_91:
0.5047 - val_loss: 2.0012 - val_auc_91: 0.5096
Epoch 104/500
267/267 [=====] - 1s 3ms/step - loss: 2.7217 - auc_91:
0.5077 - val_loss: 1.5128 - val_auc_91: 0.5102
Epoch 105/500
267/267 [=====] - 1s 3ms/step - loss: 2.2291 - auc_91:
0.5059 - val_loss: 2.7241 - val_auc_91: 0.5060
Epoch 106/500
267/267 [=====] - 1s 3ms/step - loss: 2.1517 - auc_91:
0.5051 - val_loss: 1.9685 - val_auc_91: 0.5075
Epoch 107/500
267/267 [=====] - 1s 3ms/step - loss: 2.1116 - auc_91:
0.5045 - val_loss: 1.8549 - val_auc_91: 0.5111
Epoch 108/500
267/267 [=====] - 1s 3ms/step - loss: 2.3233 - auc_91:
0.5037 - val_loss: 1.9135 - val_auc_91: 0.5035
Epoch 109/500

267/267 [=====] - 1s 3ms/step - loss: 2.1824 - auc_91:
0.5093 - val_loss: 2.1105 - val_auc_91: 0.5008
Epoch 110/500
267/267 [=====] - 1s 3ms/step - loss: 2.4500 - auc_91:
0.5056 - val_loss: 2.1538 - val_auc_91: 0.5160
Epoch 111/500
267/267 [=====] - 1s 3ms/step - loss: 2.5557 - auc_91:
0.5101 - val_loss: 2.1242 - val_auc_91: 0.5046
Epoch 112/500
267/267 [=====] - 1s 3ms/step - loss: 2.5584 - auc_91:
0.5038 - val_loss: 2.5201 - val_auc_91: 0.5048
Epoch 113/500
267/267 [=====] - 1s 3ms/step - loss: 2.4968 - auc_91:
0.5079 - val_loss: 3.9022 - val_auc_91: 0.5160
Epoch 114/500
267/267 [=====] - 1s 3ms/step - loss: 2.8165 - auc_91:
0.5038 - val_loss: 2.1601 - val_auc_91: 0.5136
Epoch 115/500
267/267 [=====] - 1s 3ms/step - loss: 2.0595 - auc_91:
0.5074 - val_loss: 2.3713 - val_auc_91: 0.5071
Epoch 116/500
267/267 [=====] - 1s 3ms/step - loss: 2.5671 - auc_91:
0.5060 - val_loss: 1.9850 - val_auc_91: 0.4952
Epoch 117/500
267/267 [=====] - 1s 3ms/step - loss: 2.4119 - auc_91:
0.5087 - val_loss: 2.8314 - val_auc_91: 0.5115
Epoch 118/500
267/267 [=====] - 1s 3ms/step - loss: 2.3770 - auc_91:
0.5062 - val_loss: 1.0687 - val_auc_91: 0.5102
Epoch 119/500
267/267 [=====] - 1s 3ms/step - loss: 2.2159 - auc_91:
0.5062 - val_loss: 1.7607 - val_auc_91: 0.5149
Epoch 120/500
267/267 [=====] - 1s 3ms/step - loss: 1.9903 - auc_91:
0.5072 - val_loss: 1.3920 - val_auc_91: 0.5035
Epoch 121/500
267/267 [=====] - 1s 3ms/step - loss: 2.5012 - auc_91:
0.5062 - val_loss: 2.6070 - val_auc_91: 0.5027
Epoch 122/500
267/267 [=====] - 1s 3ms/step - loss: 2.1270 - auc_91:
0.5057 - val_loss: 3.9173 - val_auc_91: 0.4973
Epoch 123/500
267/267 [=====] - 1s 3ms/step - loss: 2.6926 - auc_91:
0.5059 - val_loss: 2.0272 - val_auc_91: 0.5120
Epoch 124/500
267/267 [=====] - 1s 3ms/step - loss: 2.4916 - auc_91:
0.5085 - val_loss: 3.6670 - val_auc_91: 0.4993
Epoch 125/500

267/267 [=====] - 1s 3ms/step - loss: 2.7614 - auc_91:
0.5100 - val_loss: 1.2022 - val_auc_91: 0.4916
Epoch 126/500
267/267 [=====] - 1s 3ms/step - loss: 2.2162 - auc_91:
0.5081 - val_loss: 1.7224 - val_auc_91: 0.5144
Epoch 127/500
267/267 [=====] - 1s 3ms/step - loss: 2.4161 - auc_91:
0.5080 - val_loss: 1.5373 - val_auc_91: 0.5091
Epoch 128/500
267/267 [=====] - 1s 3ms/step - loss: 2.1858 - auc_91:
0.5090 - val_loss: 2.4338 - val_auc_91: 0.4987
Epoch 129/500
267/267 [=====] - 1s 3ms/step - loss: 2.3552 - auc_91:
0.5100 - val_loss: 1.1514 - val_auc_91: 0.5074
Epoch 130/500
267/267 [=====] - 1s 3ms/step - loss: 2.4250 - auc_91:
0.5108 - val_loss: 2.5230 - val_auc_91: 0.5004
Epoch 131/500
267/267 [=====] - 1s 3ms/step - loss: 2.7177 - auc_91:
0.5062 - val_loss: 1.9139 - val_auc_91: 0.5083
Epoch 132/500
267/267 [=====] - 1s 3ms/step - loss: 2.3996 - auc_91:
0.5089 - val_loss: 1.6905 - val_auc_91: 0.5033
Epoch 133/500
267/267 [=====] - 1s 3ms/step - loss: 2.2019 - auc_91:
0.5070 - val_loss: 1.3730 - val_auc_91: 0.4983
Epoch 134/500
267/267 [=====] - 1s 3ms/step - loss: 2.8579 - auc_91:
0.5088 - val_loss: 1.2145 - val_auc_91: 0.5006
Epoch 135/500
267/267 [=====] - 1s 3ms/step - loss: 2.4890 - auc_91:
0.5049 - val_loss: 1.6903 - val_auc_91: 0.5097
Epoch 136/500
267/267 [=====] - 1s 3ms/step - loss: 2.1661 - auc_91:
0.5074 - val_loss: 1.2076 - val_auc_91: 0.5064
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 2.2357 - auc_91:
0.5094 - val_loss: 2.9994 - val_auc_91: 0.5080
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 2.3550 - auc_91:
0.5058 - val_loss: 1.4824 - val_auc_91: 0.5026
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 2.4262 - auc_91:
0.5082 - val_loss: 1.5593 - val_auc_91: 0.5041
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 2.4613 - auc_91:
0.5064 - val_loss: 6.4660 - val_auc_91: 0.5051
Epoch 141/500

267/267 [=====] - 1s 3ms/step - loss: 2.5347 - auc_91:
0.5122 - val_loss: 1.7913 - val_auc_91: 0.4994
Epoch 142/500
267/267 [=====] - 1s 3ms/step - loss: 2.4102 - auc_91:
0.5087 - val_loss: 2.8175 - val_auc_91: 0.5124
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 2.2788 - auc_91:
0.5071 - val_loss: 5.8853 - val_auc_91: 0.4995
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 2.6335 - auc_91:
0.5060 - val_loss: 3.1229 - val_auc_91: 0.5018
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 2.3271 - auc_91:
0.5056 - val_loss: 1.7792 - val_auc_91: 0.5042
Epoch 146/500
267/267 [=====] - 1s 3ms/step - loss: 2.4892 - auc_91:
0.5069 - val_loss: 3.2299 - val_auc_91: 0.5024
Epoch 147/500
267/267 [=====] - 1s 3ms/step - loss: 2.5492 - auc_91:
0.5054 - val_loss: 1.3732 - val_auc_91: 0.5035
Epoch 148/500
267/267 [=====] - 1s 3ms/step - loss: 2.4206 - auc_91:
0.5070 - val_loss: 3.1476 - val_auc_91: 0.5158
Epoch 149/500
267/267 [=====] - 1s 3ms/step - loss: 2.3401 - auc_91:
0.5083 - val_loss: 2.9328 - val_auc_91: 0.5111
Epoch 150/500
267/267 [=====] - 1s 3ms/step - loss: 2.1561 - auc_91:
0.5071 - val_loss: 1.1417 - val_auc_91: 0.5162
Epoch 151/500
267/267 [=====] - 1s 3ms/step - loss: 2.2393 - auc_91:
0.5052 - val_loss: 1.6376 - val_auc_91: 0.5037
Epoch 152/500
267/267 [=====] - 1s 3ms/step - loss: 2.3642 - auc_91:
0.5068 - val_loss: 2.2410 - val_auc_91: 0.5104
Epoch 153/500
267/267 [=====] - 1s 3ms/step - loss: 1.9195 - auc_91:
0.5098 - val_loss: 2.0232 - val_auc_91: 0.5079
Epoch 154/500
267/267 [=====] - 1s 3ms/step - loss: 2.4379 - auc_91:
0.5030 - val_loss: 1.3752 - val_auc_91: 0.5062
Epoch 155/500
267/267 [=====] - 1s 3ms/step - loss: 2.1709 - auc_91:
0.5077 - val_loss: 2.4343 - val_auc_91: 0.5071
Epoch 156/500
267/267 [=====] - 1s 3ms/step - loss: 2.6908 - auc_91:
0.5088 - val_loss: 2.5464 - val_auc_91: 0.5036
Epoch 157/500

267/267 [=====] - 1s 3ms/step - loss: 2.6801 - auc_91:
0.5024 - val_loss: 2.9235 - val_auc_91: 0.5016
Epoch 158/500
267/267 [=====] - 1s 3ms/step - loss: 2.4491 - auc_91:
0.5095 - val_loss: 1.4293 - val_auc_91: 0.5074
Epoch 159/500
267/267 [=====] - 1s 3ms/step - loss: 2.2022 - auc_91:
0.5078 - val_loss: 1.3805 - val_auc_91: 0.5110
Epoch 160/500
267/267 [=====] - 1s 3ms/step - loss: 2.4527 - auc_91:
0.5071 - val_loss: 1.4142 - val_auc_91: 0.5007
Epoch 161/500
267/267 [=====] - 1s 3ms/step - loss: 2.5195 - auc_91:
0.5099 - val_loss: 2.8262 - val_auc_91: 0.5105
Epoch 162/500
267/267 [=====] - 1s 3ms/step - loss: 2.1264 - auc_91:
0.5077 - val_loss: 1.6158 - val_auc_91: 0.5124
Epoch 163/500
267/267 [=====] - 1s 3ms/step - loss: 2.3101 - auc_91:
0.5100 - val_loss: 2.8268 - val_auc_91: 0.4958
Epoch 164/500
267/267 [=====] - 1s 3ms/step - loss: 2.2682 - auc_91:
0.5104 - val_loss: 1.2579 - val_auc_91: 0.4897
Epoch 165/500
267/267 [=====] - 1s 3ms/step - loss: 2.0446 - auc_91:
0.5060 - val_loss: 1.7511 - val_auc_91: 0.5007
Epoch 166/500
267/267 [=====] - 1s 3ms/step - loss: 1.9919 - auc_91:
0.5116 - val_loss: 2.0318 - val_auc_91: 0.5081
Epoch 167/500
267/267 [=====] - 1s 3ms/step - loss: 2.4194 - auc_91:
0.5071 - val_loss: 1.8051 - val_auc_91: 0.5102
Epoch 168/500
267/267 [=====] - 1s 3ms/step - loss: 2.2947 - auc_91:
0.5079 - val_loss: 3.2240 - val_auc_91: 0.4984
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 2.1959 - auc_91:
0.5079 - val_loss: 3.0138 - val_auc_91: 0.5116
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 2.3848 - auc_91:
0.5062 - val_loss: 2.5657 - val_auc_91: 0.5091
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 2.1582 - auc_91:
0.5080 - val_loss: 2.5262 - val_auc_91: 0.5151
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 2.2826 - auc_91:
0.5077 - val_loss: 2.1031 - val_auc_91: 0.4990
Epoch 173/500

267/267 [=====] - 1s 3ms/step - loss: 2.0753 - auc_91:
0.5103 - val_loss: 1.6318 - val_auc_91: 0.4983
Epoch 174/500
267/267 [=====] - 1s 3ms/step - loss: 2.0771 - auc_91:
0.5050 - val_loss: 1.5468 - val_auc_91: 0.5109
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 2.6463 - auc_91:
0.5109 - val_loss: 2.0329 - val_auc_91: 0.5062
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 2.3074 - auc_91:
0.5066 - val_loss: 1.9849 - val_auc_91: 0.5020
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 2.3031 - auc_91:
0.5068 - val_loss: 4.5104 - val_auc_91: 0.5044
Epoch 178/500
267/267 [=====] - 1s 3ms/step - loss: 2.6929 - auc_91:
0.5056 - val_loss: 3.2281 - val_auc_91: 0.5035
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 2.2066 - auc_91:
0.5056 - val_loss: 2.1983 - val_auc_91: 0.5078
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 2.8427 - auc_91:
0.5072 - val_loss: 2.4669 - val_auc_91: 0.5045
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 2.2911 - auc_91:
0.5087 - val_loss: 3.9224 - val_auc_91: 0.4981
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 2.2804 - auc_91:
0.5064 - val_loss: 1.9552 - val_auc_91: 0.5083
Epoch 183/500
267/267 [=====] - 1s 3ms/step - loss: 2.0566 - auc_91:
0.5028 - val_loss: 1.7913 - val_auc_91: 0.5125
Epoch 184/500
267/267 [=====] - 1s 3ms/step - loss: 2.3842 - auc_91:
0.5043 - val_loss: 1.9085 - val_auc_91: 0.5099
Epoch 185/500
267/267 [=====] - 1s 3ms/step - loss: 2.5952 - auc_91:
0.5077 - val_loss: 3.1649 - val_auc_91: 0.5108
Epoch 186/500
267/267 [=====] - 1s 3ms/step - loss: 2.9685 - auc_91:
0.5078 - val_loss: 3.0399 - val_auc_91: 0.5012
Epoch 187/500
267/267 [=====] - 1s 3ms/step - loss: 2.1778 - auc_91:
0.5062 - val_loss: 1.4314 - val_auc_91: 0.4977
Epoch 188/500
267/267 [=====] - 1s 3ms/step - loss: 2.6797 - auc_91:
0.5104 - val_loss: 4.1080 - val_auc_91: 0.5052
Epoch 189/500

267/267 [=====] - 1s 3ms/step - loss: 2.4865 - auc_91:
 0.5047 - val_loss: 1.7093 - val_auc_91: 0.5118
 Epoch 190/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5285 - auc_91:
 0.5072 - val_loss: 4.6907 - val_auc_91: 0.5123
 Epoch 191/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3140 - auc_91:
 0.5094 - val_loss: 2.3005 - val_auc_91: 0.4956
 Epoch 192/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3896 - auc_91:
 0.5071 - val_loss: 5.0112 - val_auc_91: 0.5031
 Epoch 193/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1812 - auc_91:
 0.5083 - val_loss: 1.6393 - val_auc_91: 0.5075
 Epoch 194/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4652 - auc_91:
 0.5098 - val_loss: 2.2325 - val_auc_91: 0.5138
 Epoch 195/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4957 - auc_91:
 0.5071 - val_loss: 3.0215 - val_auc_91: 0.5155
 Epoch 196/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5615 - auc_91:
 0.5076 - val_loss: 2.5852 - val_auc_91: 0.5031
 Epoch 197/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0757 - auc_91:
 0.5036 - val_loss: 1.5011 - val_auc_91: 0.4958
 Epoch 198/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1224 - auc_91:
 0.5039 - val_loss: 1.2179 - val_auc_91: 0.5104
 Epoch 199/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3102 - auc_91:
 0.5091 - val_loss: 1.4292 - val_auc_91: 0.5042
 Epoch 200/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1888 - auc_91:
 0.5079 - val_loss: 2.3973 - val_auc_91: 0.5034
 Epoch 201/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4222 - auc_91:
 0.5074 - val_loss: 3.7558 - val_auc_91: 0.5045
 Epoch 202/500
 267/267 [=====] - 1s 3ms/step - loss: 2.7805 - auc_91:
 0.5039 - val_loss: 1.7693 - val_auc_91: 0.5119
 Epoch 203/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1055 - auc_91:
 0.5097 - val_loss: 1.4245 - val_auc_91: 0.5104
 Epoch 204/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3752 - auc_91:
 0.5057 - val_loss: 1.8545 - val_auc_91: 0.5030
 Epoch 205/500

267/267 [=====] - 1s 3ms/step - loss: 2.0887 - auc_91:
0.5058 - val_loss: 2.3009 - val_auc_91: 0.5044
Epoch 206/500
267/267 [=====] - 1s 3ms/step - loss: 2.4199 - auc_91:
0.5073 - val_loss: 1.6839 - val_auc_91: 0.5112
Epoch 207/500
267/267 [=====] - 1s 3ms/step - loss: 2.2100 - auc_91:
0.5081 - val_loss: 1.5279 - val_auc_91: 0.5118
Epoch 208/500
267/267 [=====] - 1s 3ms/step - loss: 1.9262 - auc_91:
0.5061 - val_loss: 3.1138 - val_auc_91: 0.5173
Epoch 209/500
267/267 [=====] - 1s 3ms/step - loss: 2.5384 - auc_91:
0.5069 - val_loss: 3.6979 - val_auc_91: 0.5014
Epoch 210/500
267/267 [=====] - 1s 3ms/step - loss: 2.6874 - auc_91:
0.5087 - val_loss: 2.4589 - val_auc_91: 0.4975
Epoch 211/500
267/267 [=====] - 1s 3ms/step - loss: 2.4008 - auc_91:
0.5078 - val_loss: 1.2408 - val_auc_91: 0.5041
Epoch 212/500
267/267 [=====] - 1s 3ms/step - loss: 2.2083 - auc_91:
0.5053 - val_loss: 2.3842 - val_auc_91: 0.5138
Epoch 213/500
267/267 [=====] - 1s 3ms/step - loss: 2.3837 - auc_91:
0.5074 - val_loss: 2.6470 - val_auc_91: 0.5077
Epoch 214/500
267/267 [=====] - 1s 3ms/step - loss: 2.2031 - auc_91:
0.5087 - val_loss: 3.1663 - val_auc_91: 0.4946
Epoch 215/500
267/267 [=====] - 1s 3ms/step - loss: 2.3724 - auc_91:
0.5070 - val_loss: 1.8725 - val_auc_91: 0.5102
Epoch 216/500
267/267 [=====] - 1s 3ms/step - loss: 2.2107 - auc_91:
0.5042 - val_loss: 4.7843 - val_auc_91: 0.5109
Epoch 217/500
267/267 [=====] - 1s 3ms/step - loss: 2.4073 - auc_91:
0.5061 - val_loss: 2.4999 - val_auc_91: 0.5167
Epoch 218/500
267/267 [=====] - 1s 3ms/step - loss: 2.2094 - auc_91:
0.5079 - val_loss: 3.0739 - val_auc_91: 0.4970
Epoch 219/500
267/267 [=====] - 1s 3ms/step - loss: 2.4986 - auc_91:
0.5076 - val_loss: 3.5237 - val_auc_91: 0.5127
Epoch 220/500
267/267 [=====] - 1s 3ms/step - loss: 2.2233 - auc_91:
0.5047 - val_loss: 2.4269 - val_auc_91: 0.5140
Epoch 221/500

267/267 [=====] - 1s 3ms/step - loss: 2.2684 - auc_91:
0.5063 - val_loss: 3.9217 - val_auc_91: 0.5130
Epoch 222/500
267/267 [=====] - 1s 3ms/step - loss: 2.8801 - auc_91:
0.5085 - val_loss: 1.4087 - val_auc_91: 0.5096
Epoch 223/500
267/267 [=====] - 1s 3ms/step - loss: 2.3605 - auc_91:
0.5084 - val_loss: 0.9509 - val_auc_91: 0.5135
Epoch 224/500
267/267 [=====] - 1s 3ms/step - loss: 2.2672 - auc_91:
0.5064 - val_loss: 1.7465 - val_auc_91: 0.5056
Epoch 225/500
267/267 [=====] - 1s 3ms/step - loss: 2.2967 - auc_91:
0.5053 - val_loss: 2.3080 - val_auc_91: 0.5034
Epoch 226/500
267/267 [=====] - 1s 3ms/step - loss: 2.6025 - auc_91:
0.5078 - val_loss: 3.3034 - val_auc_91: 0.5106
Epoch 227/500
267/267 [=====] - 1s 3ms/step - loss: 2.2015 - auc_91:
0.5058 - val_loss: 2.0015 - val_auc_91: 0.5076
Epoch 228/500
267/267 [=====] - 1s 3ms/step - loss: 2.3192 - auc_91:
0.5078 - val_loss: 3.7013 - val_auc_91: 0.5018
Epoch 229/500
267/267 [=====] - 1s 3ms/step - loss: 2.3043 - auc_91:
0.5069 - val_loss: 1.5346 - val_auc_91: 0.5020
Epoch 230/500
267/267 [=====] - 1s 3ms/step - loss: 2.2296 - auc_91:
0.5076 - val_loss: 2.8088 - val_auc_91: 0.5052
Epoch 231/500
267/267 [=====] - 1s 3ms/step - loss: 2.4732 - auc_91:
0.5102 - val_loss: 2.0561 - val_auc_91: 0.4990
Epoch 232/500
267/267 [=====] - 1s 3ms/step - loss: 2.1388 - auc_91:
0.5061 - val_loss: 3.4585 - val_auc_91: 0.4992
Epoch 233/500
267/267 [=====] - 1s 3ms/step - loss: 2.4664 - auc_91:
0.5050 - val_loss: 1.9615 - val_auc_91: 0.5138
Epoch 234/500
267/267 [=====] - 1s 3ms/step - loss: 2.1772 - auc_91:
0.5094 - val_loss: 1.2799 - val_auc_91: 0.5081
Epoch 235/500
267/267 [=====] - 1s 3ms/step - loss: 2.5831 - auc_91:
0.5059 - val_loss: 2.1324 - val_auc_91: 0.5065
Epoch 236/500
267/267 [=====] - 1s 3ms/step - loss: 2.3769 - auc_91:
0.5091 - val_loss: 2.2326 - val_auc_91: 0.5041
Epoch 237/500

267/267 [=====] - 1s 3ms/step - loss: 2.6016 - auc_91:
0.5093 - val_loss: 1.8755 - val_auc_91: 0.5052
Epoch 238/500
267/267 [=====] - 1s 3ms/step - loss: 2.3258 - auc_91:
0.5087 - val_loss: 1.6655 - val_auc_91: 0.5083
Epoch 239/500
267/267 [=====] - 1s 3ms/step - loss: 2.3736 - auc_91:
0.5086 - val_loss: 2.0310 - val_auc_91: 0.5089
Epoch 240/500
267/267 [=====] - 1s 3ms/step - loss: 2.5836 - auc_91:
0.5126 - val_loss: 1.9391 - val_auc_91: 0.5128
Epoch 241/500
267/267 [=====] - 1s 3ms/step - loss: 2.8357 - auc_91:
0.5066 - val_loss: 3.9123 - val_auc_91: 0.5109
Epoch 242/500
267/267 [=====] - 1s 3ms/step - loss: 2.2138 - auc_91:
0.5079 - val_loss: 3.2364 - val_auc_91: 0.5096
Epoch 243/500
267/267 [=====] - 1s 3ms/step - loss: 2.5211 - auc_91:
0.5057 - val_loss: 2.6781 - val_auc_91: 0.5010
Epoch 244/500
267/267 [=====] - 1s 3ms/step - loss: 2.4535 - auc_91:
0.5041 - val_loss: 1.8472 - val_auc_91: 0.5115
Epoch 245/500
267/267 [=====] - 1s 3ms/step - loss: 2.5749 - auc_91:
0.5093 - val_loss: 2.0403 - val_auc_91: 0.5122
Epoch 246/500
267/267 [=====] - 1s 3ms/step - loss: 2.0677 - auc_91:
0.5045 - val_loss: 1.9537 - val_auc_91: 0.5111
Epoch 247/500
267/267 [=====] - 1s 3ms/step - loss: 2.2739 - auc_91:
0.5081 - val_loss: 2.3793 - val_auc_91: 0.5130
Epoch 248/500
267/267 [=====] - 1s 3ms/step - loss: 2.3465 - auc_91:
0.5101 - val_loss: 2.9973 - val_auc_91: 0.5018
Epoch 249/500
267/267 [=====] - 1s 3ms/step - loss: 2.3864 - auc_91:
0.5081 - val_loss: 1.8148 - val_auc_91: 0.5137
Epoch 250/500
267/267 [=====] - 1s 3ms/step - loss: 2.6011 - auc_91:
0.5036 - val_loss: 2.5155 - val_auc_91: 0.5087
Epoch 251/500
267/267 [=====] - 1s 3ms/step - loss: 2.2457 - auc_91:
0.5069 - val_loss: 2.4361 - val_auc_91: 0.5078
Epoch 252/500
267/267 [=====] - 1s 3ms/step - loss: 2.4793 - auc_91:
0.5082 - val_loss: 4.1703 - val_auc_91: 0.5114
Epoch 253/500

267/267 [=====] - 1s 3ms/step - loss: 2.3180 - auc_91:
0.5087 - val_loss: 2.0351 - val_auc_91: 0.4964
Epoch 254/500
267/267 [=====] - 1s 3ms/step - loss: 2.5245 - auc_91:
0.5069 - val_loss: 2.3949 - val_auc_91: 0.5099
Epoch 255/500
267/267 [=====] - 1s 3ms/step - loss: 2.2736 - auc_91:
0.5076 - val_loss: 1.5188 - val_auc_91: 0.5029
Epoch 256/500
267/267 [=====] - 1s 3ms/step - loss: 2.5061 - auc_91:
0.5075 - val_loss: 1.5422 - val_auc_91: 0.5109
Epoch 257/500
267/267 [=====] - 1s 3ms/step - loss: 2.2123 - auc_91:
0.5091 - val_loss: 2.8713 - val_auc_91: 0.5019
Epoch 258/500
267/267 [=====] - 1s 3ms/step - loss: 2.2493 - auc_91:
0.5090 - val_loss: 2.4508 - val_auc_91: 0.4970
Epoch 259/500
267/267 [=====] - 1s 3ms/step - loss: 2.3023 - auc_91:
0.5086 - val_loss: 2.7104 - val_auc_91: 0.5134
Epoch 260/500
267/267 [=====] - 1s 3ms/step - loss: 2.7032 - auc_91:
0.5026 - val_loss: 1.4202 - val_auc_91: 0.5105
Epoch 261/500
267/267 [=====] - 1s 3ms/step - loss: 2.0018 - auc_91:
0.5066 - val_loss: 2.0037 - val_auc_91: 0.5108
Epoch 262/500
267/267 [=====] - 1s 4ms/step - loss: 2.4177 - auc_91:
0.5084 - val_loss: 2.4000 - val_auc_91: 0.5082
Epoch 263/500
267/267 [=====] - 1s 3ms/step - loss: 2.2949 - auc_91:
0.5066 - val_loss: 1.9539 - val_auc_91: 0.5133
Epoch 264/500
267/267 [=====] - 1s 3ms/step - loss: 2.4443 - auc_91:
0.5080 - val_loss: 1.5410 - val_auc_91: 0.5131
Epoch 265/500
267/267 [=====] - 1s 3ms/step - loss: 2.3125 - auc_91:
0.5089 - val_loss: 1.2697 - val_auc_91: 0.5128
Epoch 266/500
267/267 [=====] - 1s 3ms/step - loss: 2.4062 - auc_91:
0.5048 - val_loss: 1.6598 - val_auc_91: 0.5086
Epoch 267/500
267/267 [=====] - 1s 3ms/step - loss: 1.8605 - auc_91:
0.5063 - val_loss: 3.7597 - val_auc_91: 0.5130
Epoch 268/500
267/267 [=====] - 1s 3ms/step - loss: 2.6783 - auc_91:
0.5098 - val_loss: 2.3922 - val_auc_91: 0.5081
Epoch 269/500

267/267 [=====] - 1s 3ms/step - loss: 2.4819 - auc_91:
0.5071 - val_loss: 2.0740 - val_auc_91: 0.4974
Epoch 270/500
267/267 [=====] - 1s 3ms/step - loss: 2.0924 - auc_91:
0.5106 - val_loss: 1.4520 - val_auc_91: 0.5070
Epoch 271/500
267/267 [=====] - 1s 3ms/step - loss: 2.3699 - auc_91:
0.5082 - val_loss: 3.4491 - val_auc_91: 0.5076
Epoch 272/500
267/267 [=====] - 1s 3ms/step - loss: 2.2634 - auc_91:
0.5079 - val_loss: 3.7894 - val_auc_91: 0.5103
Epoch 273/500
267/267 [=====] - 1s 3ms/step - loss: 2.5100 - auc_91:
0.5058 - val_loss: 2.1375 - val_auc_91: 0.4928
Epoch 274/500
267/267 [=====] - 1s 3ms/step - loss: 2.2510 - auc_91:
0.5086 - val_loss: 2.4550 - val_auc_91: 0.4984
Epoch 275/500
267/267 [=====] - 1s 3ms/step - loss: 2.1724 - auc_91:
0.5046 - val_loss: 1.4050 - val_auc_91: 0.5132
Epoch 276/500
267/267 [=====] - 1s 3ms/step - loss: 2.5631 - auc_91:
0.5047 - val_loss: 2.6161 - val_auc_91: 0.5004
Epoch 277/500
267/267 [=====] - 1s 3ms/step - loss: 1.9387 - auc_91:
0.5083 - val_loss: 2.1288 - val_auc_91: 0.5109
Epoch 278/500
267/267 [=====] - 1s 3ms/step - loss: 2.4865 - auc_91:
0.5073 - val_loss: 2.7089 - val_auc_91: 0.5165
Epoch 279/500
267/267 [=====] - 1s 3ms/step - loss: 2.4376 - auc_91:
0.5080 - val_loss: 1.4600 - val_auc_91: 0.5014
Epoch 280/500
267/267 [=====] - 1s 3ms/step - loss: 2.5149 - auc_91:
0.5092 - val_loss: 1.8746 - val_auc_91: 0.5135
Epoch 281/500
267/267 [=====] - 1s 3ms/step - loss: 2.5468 - auc_91:
0.5086 - val_loss: 3.5739 - val_auc_91: 0.4993
Epoch 282/500
267/267 [=====] - 1s 3ms/step - loss: 2.5231 - auc_91:
0.5043 - val_loss: 3.2490 - val_auc_91: 0.5178
Epoch 283/500
267/267 [=====] - 1s 3ms/step - loss: 2.3261 - auc_91:
0.5073 - val_loss: 3.2360 - val_auc_91: 0.5077
Epoch 284/500
267/267 [=====] - 1s 3ms/step - loss: 2.2275 - auc_91:
0.5064 - val_loss: 1.4165 - val_auc_91: 0.5072
Epoch 285/500

267/267 [=====] - 1s 3ms/step - loss: 2.1283 - auc_91:
 0.5053 - val_loss: 2.0292 - val_auc_91: 0.5126
 Epoch 286/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1696 - auc_91:
 0.5079 - val_loss: 1.5814 - val_auc_91: 0.5084
 Epoch 287/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3175 - auc_91:
 0.5088 - val_loss: 2.7123 - val_auc_91: 0.4981
 Epoch 288/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4902 - auc_91:
 0.5081 - val_loss: 4.0127 - val_auc_91: 0.5046
 Epoch 289/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6820 - auc_91:
 0.5085 - val_loss: 2.1176 - val_auc_91: 0.5107
 Epoch 290/500
 267/267 [=====] - 1s 3ms/step - loss: 1.9774 - auc_91:
 0.5081 - val_loss: 3.2879 - val_auc_91: 0.5031
 Epoch 291/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3986 - auc_91:
 0.5071 - val_loss: 1.8667 - val_auc_91: 0.5078
 Epoch 292/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1310 - auc_91:
 0.5093 - val_loss: 2.2647 - val_auc_91: 0.5102
 Epoch 293/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1974 - auc_91:
 0.5108 - val_loss: 2.6031 - val_auc_91: 0.5061
 Epoch 294/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3114 - auc_91:
 0.5070 - val_loss: 3.4043 - val_auc_91: 0.4949
 Epoch 295/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2924 - auc_91:
 0.5093 - val_loss: 2.3354 - val_auc_91: 0.4971
 Epoch 296/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3093 - auc_91:
 0.5110 - val_loss: 3.0161 - val_auc_91: 0.4995
 Epoch 297/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6800 - auc_91:
 0.5083 - val_loss: 2.2940 - val_auc_91: 0.5091
 Epoch 298/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2505 - auc_91:
 0.5059 - val_loss: 1.4433 - val_auc_91: 0.5035
 Epoch 299/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1154 - auc_91:
 0.5116 - val_loss: 2.4527 - val_auc_91: 0.5174
 Epoch 300/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4740 - auc_91:
 0.5048 - val_loss: 3.3362 - val_auc_91: 0.5075
 Epoch 301/500

267/267 [=====] - 1s 3ms/step - loss: 2.4080 - auc_91:
 0.5054 - val_loss: 1.7348 - val_auc_91: 0.5098
 Epoch 302/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4132 - auc_91:
 0.5069 - val_loss: 3.1580 - val_auc_91: 0.5098
 Epoch 303/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4113 - auc_91:
 0.5078 - val_loss: 1.9537 - val_auc_91: 0.5122
 Epoch 304/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2507 - auc_91:
 0.5066 - val_loss: 2.8766 - val_auc_91: 0.5046
 Epoch 305/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3832 - auc_91:
 0.5079 - val_loss: 6.7384 - val_auc_91: 0.5040
 Epoch 306/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2786 - auc_91:
 0.5092 - val_loss: 2.3108 - val_auc_91: 0.5108
 Epoch 307/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3448 - auc_91:
 0.5128 - val_loss: 2.1847 - val_auc_91: 0.5091
 Epoch 308/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1718 - auc_91:
 0.5080 - val_loss: 1.2661 - val_auc_91: 0.4934
 Epoch 309/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4480 - auc_91:
 0.5097 - val_loss: 1.7026 - val_auc_91: 0.5156
 Epoch 310/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4683 - auc_91:
 0.5093 - val_loss: 5.8145 - val_auc_91: 0.5087
 Epoch 311/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4327 - auc_91:
 0.5097 - val_loss: 2.7448 - val_auc_91: 0.5007
 Epoch 312/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2984 - auc_91:
 0.5057 - val_loss: 2.6122 - val_auc_91: 0.5062
 Epoch 313/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4645 - auc_91:
 0.5093 - val_loss: 2.0751 - val_auc_91: 0.5066
 Epoch 314/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5323 - auc_91:
 0.5070 - val_loss: 2.5257 - val_auc_91: 0.4964
 Epoch 315/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2223 - auc_91:
 0.5117 - val_loss: 2.7435 - val_auc_91: 0.5128
 Epoch 316/500
 267/267 [=====] - 1s 3ms/step - loss: 2.7570 - auc_91:
 0.5065 - val_loss: 1.4421 - val_auc_91: 0.4933
 Epoch 317/500

267/267 [=====] - 1s 3ms/step - loss: 2.4375 - auc_91:
0.5102 - val_loss: 1.4218 - val_auc_91: 0.5062
Epoch 318/500
267/267 [=====] - 1s 3ms/step - loss: 2.6213 - auc_91:
0.5072 - val_loss: 3.8535 - val_auc_91: 0.5103
Epoch 319/500
267/267 [=====] - 1s 3ms/step - loss: 2.8663 - auc_91:
0.5071 - val_loss: 1.4370 - val_auc_91: 0.5176
Epoch 320/500
267/267 [=====] - 1s 3ms/step - loss: 2.8269 - auc_91:
0.5092 - val_loss: 2.4530 - val_auc_91: 0.4955
Epoch 321/500
267/267 [=====] - 1s 3ms/step - loss: 2.0359 - auc_91:
0.5074 - val_loss: 1.4258 - val_auc_91: 0.5104
Epoch 322/500
267/267 [=====] - 1s 3ms/step - loss: 2.2178 - auc_91:
0.5068 - val_loss: 3.3083 - val_auc_91: 0.5092
Epoch 323/500
267/267 [=====] - 1s 3ms/step - loss: 2.2688 - auc_91:
0.5062 - val_loss: 2.1433 - val_auc_91: 0.4981
Epoch 324/500
267/267 [=====] - 1s 4ms/step - loss: 2.2986 - auc_91:
0.5074 - val_loss: 4.1020 - val_auc_91: 0.4916
Epoch 325/500
267/267 [=====] - 1s 3ms/step - loss: 2.1405 - auc_91:
0.5072 - val_loss: 2.8627 - val_auc_91: 0.5019
Epoch 326/500
267/267 [=====] - 1s 3ms/step - loss: 2.5445 - auc_91:
0.5058 - val_loss: 1.2918 - val_auc_91: 0.5110
Epoch 327/500
267/267 [=====] - 1s 3ms/step - loss: 2.5932 - auc_91:
0.5089 - val_loss: 1.0398 - val_auc_91: 0.4953
Epoch 328/500
267/267 [=====] - 1s 3ms/step - loss: 2.3007 - auc_91:
0.5096 - val_loss: 2.1390 - val_auc_91: 0.5015
Epoch 329/500
267/267 [=====] - 1s 3ms/step - loss: 2.3335 - auc_91:
0.5071 - val_loss: 1.2879 - val_auc_91: 0.4987
Epoch 330/500
267/267 [=====] - 1s 3ms/step - loss: 1.9411 - auc_91:
0.5077 - val_loss: 2.0721 - val_auc_91: 0.5140
Epoch 331/500
267/267 [=====] - 1s 3ms/step - loss: 2.3426 - auc_91:
0.5048 - val_loss: 3.5383 - val_auc_91: 0.5033
Epoch 332/500
267/267 [=====] - 1s 3ms/step - loss: 2.4517 - auc_91:
0.5081 - val_loss: 1.4599 - val_auc_91: 0.5093
Epoch 333/500

267/267 [=====] - 1s 3ms/step - loss: 2.3110 - auc_91:
0.5083 - val_loss: 1.4025 - val_auc_91: 0.5006
Epoch 334/500
267/267 [=====] - 1s 3ms/step - loss: 2.4895 - auc_91:
0.5072 - val_loss: 2.1650 - val_auc_91: 0.5001
Epoch 335/500
267/267 [=====] - 1s 3ms/step - loss: 2.3458 - auc_91:
0.5093 - val_loss: 2.8412 - val_auc_91: 0.5111
Epoch 336/500
267/267 [=====] - 1s 3ms/step - loss: 2.5733 - auc_91:
0.5085 - val_loss: 1.1085 - val_auc_91: 0.5122
Epoch 337/500
267/267 [=====] - 1s 3ms/step - loss: 2.2614 - auc_91:
0.5092 - val_loss: 1.6337 - val_auc_91: 0.5093
Epoch 338/500
267/267 [=====] - 1s 3ms/step - loss: 2.3285 - auc_91:
0.5062 - val_loss: 1.6934 - val_auc_91: 0.5072
Epoch 339/500
267/267 [=====] - 1s 3ms/step - loss: 2.2390 - auc_91:
0.5095 - val_loss: 1.8152 - val_auc_91: 0.5010
Epoch 340/500
267/267 [=====] - 1s 3ms/step - loss: 2.3667 - auc_91:
0.5082 - val_loss: 3.2570 - val_auc_91: 0.5001
Epoch 341/500
267/267 [=====] - 1s 3ms/step - loss: 2.6520 - auc_91:
0.5044 - val_loss: 2.2476 - val_auc_91: 0.5060
Epoch 342/500
267/267 [=====] - 1s 3ms/step - loss: 2.2205 - auc_91:
0.5061 - val_loss: 3.8204 - val_auc_91: 0.5043
Epoch 343/500
267/267 [=====] - 1s 3ms/step - loss: 2.0853 - auc_91:
0.5063 - val_loss: 2.5901 - val_auc_91: 0.5052
Epoch 344/500
267/267 [=====] - 1s 3ms/step - loss: 2.4760 - auc_91:
0.5064 - val_loss: 1.7584 - val_auc_91: 0.5129
Epoch 345/500
267/267 [=====] - 1s 3ms/step - loss: 2.3856 - auc_91:
0.5105 - val_loss: 3.4614 - val_auc_91: 0.4962
Epoch 346/500
267/267 [=====] - 1s 3ms/step - loss: 2.6665 - auc_91:
0.5033 - val_loss: 1.7328 - val_auc_91: 0.4967
Epoch 347/500
267/267 [=====] - 1s 3ms/step - loss: 2.6132 - auc_91:
0.5056 - val_loss: 3.1028 - val_auc_91: 0.5134
Epoch 348/500
267/267 [=====] - 1s 3ms/step - loss: 2.6637 - auc_91:
0.5048 - val_loss: 1.9126 - val_auc_91: 0.5124
Epoch 349/500

267/267 [=====] - 1s 3ms/step - loss: 2.2953 - auc_91:
 0.5088 - val_loss: 1.9279 - val_auc_91: 0.5121
 Epoch 350/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5112 - auc_91:
 0.5036 - val_loss: 3.5643 - val_auc_91: 0.5032
 Epoch 351/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3115 - auc_91:
 0.5097 - val_loss: 2.4951 - val_auc_91: 0.5069
 Epoch 352/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3639 - auc_91:
 0.5059 - val_loss: 3.4009 - val_auc_91: 0.5106
 Epoch 353/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6083 - auc_91:
 0.5078 - val_loss: 3.0955 - val_auc_91: 0.5105
 Epoch 354/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6330 - auc_91:
 0.5110 - val_loss: 2.5020 - val_auc_91: 0.5073
 Epoch 355/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2358 - auc_91:
 0.5083 - val_loss: 1.8924 - val_auc_91: 0.5064
 Epoch 356/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4315 - auc_91:
 0.5058 - val_loss: 2.3852 - val_auc_91: 0.4936
 Epoch 357/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6538 - auc_91:
 0.5080 - val_loss: 3.3710 - val_auc_91: 0.5092
 Epoch 358/500
 267/267 [=====] - 1s 3ms/step - loss: 1.9548 - auc_91:
 0.5090 - val_loss: 2.0006 - val_auc_91: 0.5048
 Epoch 359/500
 267/267 [=====] - 1s 3ms/step - loss: 2.8414 - auc_91:
 0.5085 - val_loss: 2.9742 - val_auc_91: 0.4968
 Epoch 360/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3917 - auc_91:
 0.5056 - val_loss: 1.9204 - val_auc_91: 0.5043
 Epoch 361/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2575 - auc_91:
 0.5054 - val_loss: 2.3791 - val_auc_91: 0.5082
 Epoch 362/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0578 - auc_91:
 0.5085 - val_loss: 2.0142 - val_auc_91: 0.4971
 Epoch 363/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3610 - auc_91:
 0.5083 - val_loss: 1.5442 - val_auc_91: 0.5104
 Epoch 364/500
 267/267 [=====] - 1s 3ms/step - loss: 2.9915 - auc_91:
 0.5054 - val_loss: 1.8627 - val_auc_91: 0.5002
 Epoch 365/500

267/267 [=====] - 1s 3ms/step - loss: 2.2452 - auc_91:
 0.5104 - val_loss: 3.4270 - val_auc_91: 0.5123
 Epoch 366/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3644 - auc_91:
 0.5087 - val_loss: 4.3348 - val_auc_91: 0.5047
 Epoch 367/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4680 - auc_91:
 0.5096 - val_loss: 1.6130 - val_auc_91: 0.5060
 Epoch 368/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2098 - auc_91:
 0.5036 - val_loss: 1.8077 - val_auc_91: 0.5088
 Epoch 369/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1830 - auc_91:
 0.5094 - val_loss: 2.3388 - val_auc_91: 0.5039
 Epoch 370/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5124 - auc_91:
 0.5052 - val_loss: 3.6493 - val_auc_91: 0.5011
 Epoch 371/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1040 - auc_91:
 0.5112 - val_loss: 1.2483 - val_auc_91: 0.5070
 Epoch 372/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5678 - auc_91:
 0.5088 - val_loss: 1.8398 - val_auc_91: 0.4946
 Epoch 373/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1434 - auc_91:
 0.5077 - val_loss: 1.2120 - val_auc_91: 0.5059
 Epoch 374/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2393 - auc_91:
 0.5061 - val_loss: 1.4479 - val_auc_91: 0.4922
 Epoch 375/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2543 - auc_91:
 0.5070 - val_loss: 1.1022 - val_auc_91: 0.5031
 Epoch 376/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3528 - auc_91:
 0.5058 - val_loss: 1.7816 - val_auc_91: 0.5086
 Epoch 377/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1600 - auc_91:
 0.5084 - val_loss: 2.0463 - val_auc_91: 0.5115
 Epoch 378/500
 267/267 [=====] - 1s 4ms/step - loss: 2.7719 - auc_91:
 0.5003 - val_loss: 1.4723 - val_auc_91: 0.5002
 Epoch 379/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3274 - auc_91:
 0.5048 - val_loss: 1.5373 - val_auc_91: 0.5188
 Epoch 380/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2756 - auc_91:
 0.5099 - val_loss: 3.1579 - val_auc_91: 0.5050
 Epoch 381/500

267/267 [=====] - 1s 3ms/step - loss: 2.4289 - auc_91:
0.5063 - val_loss: 2.1346 - val_auc_91: 0.4994
Epoch 382/500
267/267 [=====] - 1s 3ms/step - loss: 2.2483 - auc_91:
0.5051 - val_loss: 2.4161 - val_auc_91: 0.4975
Epoch 383/500
267/267 [=====] - 1s 3ms/step - loss: 2.2726 - auc_91:
0.5051 - val_loss: 1.7432 - val_auc_91: 0.4983
Epoch 384/500
267/267 [=====] - 1s 3ms/step - loss: 2.5588 - auc_91:
0.5087 - val_loss: 1.8671 - val_auc_91: 0.5101
Epoch 385/500
267/267 [=====] - 1s 3ms/step - loss: 2.1496 - auc_91:
0.5076 - val_loss: 2.6192 - val_auc_91: 0.4930
Epoch 386/500
267/267 [=====] - 1s 3ms/step - loss: 2.2710 - auc_91:
0.5024 - val_loss: 2.9260 - val_auc_91: 0.5144
Epoch 387/500
267/267 [=====] - 1s 3ms/step - loss: 2.5782 - auc_91:
0.5050 - val_loss: 1.2548 - val_auc_91: 0.5078
Epoch 388/500
267/267 [=====] - 1s 3ms/step - loss: 2.5922 - auc_91:
0.5089 - val_loss: 1.8051 - val_auc_91: 0.5188
Epoch 389/500
267/267 [=====] - 1s 3ms/step - loss: 2.3539 - auc_91:
0.5109 - val_loss: 0.9813 - val_auc_91: 0.5035
Epoch 390/500
267/267 [=====] - 1s 3ms/step - loss: 2.4047 - auc_91:
0.5078 - val_loss: 1.3444 - val_auc_91: 0.5108
Epoch 391/500
267/267 [=====] - 1s 3ms/step - loss: 2.4614 - auc_91:
0.5098 - val_loss: 2.3037 - val_auc_91: 0.5128
Epoch 392/500
267/267 [=====] - 1s 3ms/step - loss: 2.7825 - auc_91:
0.5064 - val_loss: 2.6057 - val_auc_91: 0.4918
Epoch 393/500
267/267 [=====] - 1s 3ms/step - loss: 2.2493 - auc_91:
0.5058 - val_loss: 1.2253 - val_auc_91: 0.5078
Epoch 394/500
267/267 [=====] - 1s 3ms/step - loss: 2.3572 - auc_91:
0.5103 - val_loss: 1.9420 - val_auc_91: 0.5058
Epoch 395/500
267/267 [=====] - 1s 3ms/step - loss: 2.0117 - auc_91:
0.5086 - val_loss: 1.5633 - val_auc_91: 0.5161
Epoch 396/500
267/267 [=====] - 1s 3ms/step - loss: 2.4667 - auc_91:
0.5063 - val_loss: 2.7396 - val_auc_91: 0.5060
Epoch 397/500

267/267 [=====] - 1s 3ms/step - loss: 2.0600 - auc_91:
 0.5105 - val_loss: 2.7524 - val_auc_91: 0.5123
 Epoch 398/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3555 - auc_91:
 0.5077 - val_loss: 1.1685 - val_auc_91: 0.5122
 Epoch 399/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4605 - auc_91:
 0.5078 - val_loss: 2.2529 - val_auc_91: 0.5144
 Epoch 400/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5934 - auc_91:
 0.5072 - val_loss: 2.7822 - val_auc_91: 0.4982
 Epoch 401/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4046 - auc_91:
 0.5080 - val_loss: 2.2397 - val_auc_91: 0.5039
 Epoch 402/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1938 - auc_91:
 0.5066 - val_loss: 1.7305 - val_auc_91: 0.5137
 Epoch 403/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0740 - auc_91:
 0.5088 - val_loss: 3.3652 - val_auc_91: 0.5044
 Epoch 404/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6460 - auc_91:
 0.5052 - val_loss: 1.4754 - val_auc_91: 0.5093
 Epoch 405/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0929 - auc_91:
 0.5067 - val_loss: 1.8819 - val_auc_91: 0.4963
 Epoch 406/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1064 - auc_91:
 0.5098 - val_loss: 1.9764 - val_auc_91: 0.5080
 Epoch 407/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2998 - auc_91:
 0.5071 - val_loss: 3.6976 - val_auc_91: 0.5184
 Epoch 408/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4294 - auc_91:
 0.5064 - val_loss: 1.5439 - val_auc_91: 0.5101
 Epoch 409/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1377 - auc_91:
 0.5045 - val_loss: 2.8267 - val_auc_91: 0.5036
 Epoch 410/500
 267/267 [=====] - 1s 3ms/step - loss: 2.7041 - auc_91:
 0.5094 - val_loss: 4.5569 - val_auc_91: 0.5115
 Epoch 411/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2669 - auc_91:
 0.5084 - val_loss: 1.7352 - val_auc_91: 0.5142
 Epoch 412/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5618 - auc_91:
 0.5090 - val_loss: 2.6289 - val_auc_91: 0.5108
 Epoch 413/500

267/267 [=====] - 1s 3ms/step - loss: 2.2619 - auc_91:
0.5075 - val_loss: 2.2654 - val_auc_91: 0.5117
Epoch 414/500
267/267 [=====] - 1s 3ms/step - loss: 2.3584 - auc_91:
0.5074 - val_loss: 1.4648 - val_auc_91: 0.4976
Epoch 415/500
267/267 [=====] - 1s 3ms/step - loss: 2.0268 - auc_91:
0.5075 - val_loss: 2.2224 - val_auc_91: 0.4988
Epoch 416/500
267/267 [=====] - 1s 3ms/step - loss: 2.4206 - auc_91:
0.5042 - val_loss: 3.0576 - val_auc_91: 0.4997
Epoch 417/500
267/267 [=====] - 1s 3ms/step - loss: 2.1145 - auc_91:
0.5093 - val_loss: 1.3389 - val_auc_91: 0.5155
Epoch 418/500
267/267 [=====] - 1s 3ms/step - loss: 2.1693 - auc_91:
0.5069 - val_loss: 1.5415 - val_auc_91: 0.5114
Epoch 419/500
267/267 [=====] - 1s 3ms/step - loss: 2.5635 - auc_91:
0.5077 - val_loss: 4.1761 - val_auc_91: 0.4869
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 2.4121 - auc_91:
0.5088 - val_loss: 4.7611 - val_auc_91: 0.4949
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 2.2207 - auc_91:
0.5080 - val_loss: 3.8014 - val_auc_91: 0.4966
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 2.3106 - auc_91:
0.5098 - val_loss: 2.5346 - val_auc_91: 0.5145
Epoch 423/500
267/267 [=====] - 1s 3ms/step - loss: 2.4177 - auc_91:
0.5076 - val_loss: 1.9609 - val_auc_91: 0.5138
Epoch 424/500
267/267 [=====] - 1s 3ms/step - loss: 2.3759 - auc_91:
0.5053 - val_loss: 1.4983 - val_auc_91: 0.5140
Epoch 425/500
267/267 [=====] - 1s 3ms/step - loss: 2.5572 - auc_91:
0.5064 - val_loss: 3.1788 - val_auc_91: 0.4974
Epoch 426/500
267/267 [=====] - 1s 3ms/step - loss: 2.5159 - auc_91:
0.5095 - val_loss: 1.4395 - val_auc_91: 0.5027
Epoch 427/500
267/267 [=====] - 1s 3ms/step - loss: 2.2117 - auc_91:
0.5053 - val_loss: 1.9810 - val_auc_91: 0.5091
Epoch 428/500
267/267 [=====] - 1s 3ms/step - loss: 2.2934 - auc_91:
0.5053 - val_loss: 1.4134 - val_auc_91: 0.5161
Epoch 429/500

267/267 [=====] - 1s 3ms/step - loss: 2.4475 - auc_91:
0.5055 - val_loss: 2.4817 - val_auc_91: 0.5151
Epoch 430/500
267/267 [=====] - 1s 3ms/step - loss: 2.1808 - auc_91:
0.5053 - val_loss: 2.9820 - val_auc_91: 0.5040
Epoch 431/500
267/267 [=====] - 1s 3ms/step - loss: 2.4350 - auc_91:
0.5089 - val_loss: 1.7690 - val_auc_91: 0.5127
Epoch 432/500
267/267 [=====] - 1s 3ms/step - loss: 2.3513 - auc_91:
0.5095 - val_loss: 1.4309 - val_auc_91: 0.5069
Epoch 433/500
267/267 [=====] - 1s 3ms/step - loss: 2.6037 - auc_91:
0.5066 - val_loss: 2.3079 - val_auc_91: 0.4959
Epoch 434/500
267/267 [=====] - 1s 3ms/step - loss: 2.2575 - auc_91:
0.5088 - val_loss: 2.1222 - val_auc_91: 0.5092
Epoch 435/500
267/267 [=====] - 1s 3ms/step - loss: 2.2447 - auc_91:
0.5065 - val_loss: 1.8206 - val_auc_91: 0.5046
Epoch 436/500
267/267 [=====] - 1s 3ms/step - loss: 2.3349 - auc_91:
0.5046 - val_loss: 1.8546 - val_auc_91: 0.4992
Epoch 437/500
267/267 [=====] - 1s 3ms/step - loss: 2.2069 - auc_91:
0.5087 - val_loss: 1.2066 - val_auc_91: 0.5131
Epoch 438/500
267/267 [=====] - 1s 3ms/step - loss: 2.0746 - auc_91:
0.5112 - val_loss: 2.8246 - val_auc_91: 0.5068
Epoch 439/500
267/267 [=====] - 1s 3ms/step - loss: 2.0385 - auc_91:
0.5056 - val_loss: 1.9792 - val_auc_91: 0.5096
Epoch 440/500
267/267 [=====] - 1s 3ms/step - loss: 2.5586 - auc_91:
0.5062 - val_loss: 3.1011 - val_auc_91: 0.4960
Epoch 441/500
267/267 [=====] - 1s 3ms/step - loss: 2.4468 - auc_91:
0.5069 - val_loss: 2.0897 - val_auc_91: 0.5060
Epoch 442/500
267/267 [=====] - 1s 3ms/step - loss: 2.3306 - auc_91:
0.5082 - val_loss: 1.1864 - val_auc_91: 0.5075
Epoch 443/500
267/267 [=====] - 1s 3ms/step - loss: 2.1426 - auc_91:
0.5091 - val_loss: 3.0456 - val_auc_91: 0.5157
Epoch 444/500
267/267 [=====] - 1s 3ms/step - loss: 2.3762 - auc_91:
0.5091 - val_loss: 1.3830 - val_auc_91: 0.5078
Epoch 445/500

267/267 [=====] - 1s 3ms/step - loss: 2.3953 - auc_91:
0.5076 - val_loss: 1.7275 - val_auc_91: 0.5058
Epoch 446/500
267/267 [=====] - 1s 3ms/step - loss: 2.3234 - auc_91:
0.5099 - val_loss: 1.6362 - val_auc_91: 0.5126
Epoch 447/500
267/267 [=====] - 1s 3ms/step - loss: 2.8539 - auc_91:
0.5071 - val_loss: 1.6739 - val_auc_91: 0.5104
Epoch 448/500
267/267 [=====] - 1s 3ms/step - loss: 2.3085 - auc_91:
0.5075 - val_loss: 1.7400 - val_auc_91: 0.5128
Epoch 449/500
267/267 [=====] - 1s 3ms/step - loss: 2.5202 - auc_91:
0.5027 - val_loss: 4.0254 - val_auc_91: 0.5071
Epoch 450/500
267/267 [=====] - 1s 3ms/step - loss: 2.2647 - auc_91:
0.5054 - val_loss: 1.6758 - val_auc_91: 0.5030
Epoch 451/500
267/267 [=====] - 1s 3ms/step - loss: 2.0670 - auc_91:
0.5083 - val_loss: 2.9539 - val_auc_91: 0.5053
Epoch 452/500
267/267 [=====] - 1s 3ms/step - loss: 2.5391 - auc_91:
0.5022 - val_loss: 2.1400 - val_auc_91: 0.5029
Epoch 453/500
267/267 [=====] - 1s 3ms/step - loss: 2.2610 - auc_91:
0.5105 - val_loss: 3.5253 - val_auc_91: 0.4995
Epoch 454/500
267/267 [=====] - 1s 3ms/step - loss: 2.5491 - auc_91:
0.5064 - val_loss: 2.1879 - val_auc_91: 0.5010
Epoch 455/500
267/267 [=====] - 1s 3ms/step - loss: 1.9539 - auc_91:
0.5074 - val_loss: 1.4546 - val_auc_91: 0.5014
Epoch 456/500
267/267 [=====] - 1s 3ms/step - loss: 2.5234 - auc_91:
0.5081 - val_loss: 2.5579 - val_auc_91: 0.5072
Epoch 457/500
267/267 [=====] - 1s 3ms/step - loss: 2.2604 - auc_91:
0.5075 - val_loss: 2.1876 - val_auc_91: 0.5055
Epoch 458/500
267/267 [=====] - 1s 3ms/step - loss: 2.2866 - auc_91:
0.5098 - val_loss: 2.4151 - val_auc_91: 0.5093
Epoch 459/500
267/267 [=====] - 1s 3ms/step - loss: 2.6277 - auc_91:
0.5046 - val_loss: 2.2430 - val_auc_91: 0.5119
Epoch 460/500
267/267 [=====] - 1s 3ms/step - loss: 2.2930 - auc_91:
0.5086 - val_loss: 2.3566 - val_auc_91: 0.5010
Epoch 461/500

267/267 [=====] - 1s 3ms/step - loss: 2.5083 - auc_91:
0.5088 - val_loss: 2.3656 - val_auc_91: 0.5070
Epoch 462/500
267/267 [=====] - 1s 3ms/step - loss: 2.1369 - auc_91:
0.5119 - val_loss: 1.5529 - val_auc_91: 0.4954
Epoch 463/500
267/267 [=====] - 1s 3ms/step - loss: 2.6544 - auc_91:
0.5046 - val_loss: 3.2849 - val_auc_91: 0.5088
Epoch 464/500
267/267 [=====] - 1s 3ms/step - loss: 2.2101 - auc_91:
0.5077 - val_loss: 1.5918 - val_auc_91: 0.5124
Epoch 465/500
267/267 [=====] - 1s 3ms/step - loss: 2.4404 - auc_91:
0.5071 - val_loss: 1.2855 - val_auc_91: 0.5158
Epoch 466/500
267/267 [=====] - 1s 3ms/step - loss: 2.1028 - auc_91:
0.5095 - val_loss: 1.9680 - val_auc_91: 0.5203
Epoch 467/500
267/267 [=====] - 1s 3ms/step - loss: 2.2821 - auc_91:
0.5116 - val_loss: 1.9852 - val_auc_91: 0.5030
Epoch 468/500
267/267 [=====] - 1s 3ms/step - loss: 2.1504 - auc_91:
0.5097 - val_loss: 1.2612 - val_auc_91: 0.5135
Epoch 469/500
267/267 [=====] - 1s 3ms/step - loss: 2.3856 - auc_91:
0.5058 - val_loss: 5.2669 - val_auc_91: 0.5070
Epoch 470/500
267/267 [=====] - 1s 3ms/step - loss: 2.1652 - auc_91:
0.5094 - val_loss: 1.5410 - val_auc_91: 0.5090
Epoch 471/500
267/267 [=====] - 1s 3ms/step - loss: 2.0920 - auc_91:
0.5096 - val_loss: 1.4097 - val_auc_91: 0.5008
Epoch 472/500
267/267 [=====] - 1s 3ms/step - loss: 2.4420 - auc_91:
0.5079 - val_loss: 2.6280 - val_auc_91: 0.4968
Epoch 473/500
267/267 [=====] - 1s 3ms/step - loss: 2.7218 - auc_91:
0.5083 - val_loss: 3.0199 - val_auc_91: 0.5058
Epoch 474/500
267/267 [=====] - 1s 3ms/step - loss: 2.9316 - auc_91:
0.5084 - val_loss: 4.8885 - val_auc_91: 0.5105
Epoch 475/500
267/267 [=====] - 1s 3ms/step - loss: 2.3337 - auc_91:
0.5080 - val_loss: 1.9760 - val_auc_91: 0.5086
Epoch 476/500
267/267 [=====] - 1s 3ms/step - loss: 2.0984 - auc_91:
0.5085 - val_loss: 1.6038 - val_auc_91: 0.5140
Epoch 477/500

267/267 [=====] - 1s 3ms/step - loss: 2.2340 - auc_91:
0.5094 - val_loss: 3.3278 - val_auc_91: 0.5114
Epoch 478/500
267/267 [=====] - 1s 3ms/step - loss: 2.0547 - auc_91:
0.5076 - val_loss: 1.9119 - val_auc_91: 0.5049
Epoch 479/500
267/267 [=====] - 1s 3ms/step - loss: 1.9845 - auc_91:
0.5073 - val_loss: 2.6047 - val_auc_91: 0.5017
Epoch 480/500
267/267 [=====] - 1s 3ms/step - loss: 2.3128 - auc_91:
0.5073 - val_loss: 1.1696 - val_auc_91: 0.5056
Epoch 481/500
267/267 [=====] - 1s 3ms/step - loss: 2.0479 - auc_91:
0.5097 - val_loss: 1.3858 - val_auc_91: 0.4962
Epoch 482/500
267/267 [=====] - 1s 3ms/step - loss: 2.8827 - auc_91:
0.5078 - val_loss: 1.7667 - val_auc_91: 0.5008
Epoch 483/500
267/267 [=====] - 1s 3ms/step - loss: 2.8407 - auc_91:
0.5077 - val_loss: 1.3527 - val_auc_91: 0.5026
Epoch 484/500
267/267 [=====] - 1s 3ms/step - loss: 2.5310 - auc_91:
0.5105 - val_loss: 2.2910 - val_auc_91: 0.5089
Epoch 485/500
267/267 [=====] - 1s 3ms/step - loss: 2.2351 - auc_91:
0.5068 - val_loss: 2.4249 - val_auc_91: 0.5049
Epoch 486/500
267/267 [=====] - 1s 4ms/step - loss: 2.2922 - auc_91:
0.5070 - val_loss: 1.9172 - val_auc_91: 0.5088
Epoch 487/500
267/267 [=====] - 1s 3ms/step - loss: 2.4336 - auc_91:
0.5096 - val_loss: 1.4763 - val_auc_91: 0.5123
Epoch 488/500
267/267 [=====] - 1s 3ms/step - loss: 2.5498 - auc_91:
0.5087 - val_loss: 1.0753 - val_auc_91: 0.5127
Epoch 489/500
267/267 [=====] - 1s 3ms/step - loss: 2.7968 - auc_91:
0.5066 - val_loss: 1.5988 - val_auc_91: 0.5036
Epoch 490/500
267/267 [=====] - 1s 3ms/step - loss: 2.0253 - auc_91:
0.5096 - val_loss: 2.2573 - val_auc_91: 0.4932
Epoch 491/500
267/267 [=====] - 1s 3ms/step - loss: 2.5203 - auc_91:
0.5090 - val_loss: 1.8648 - val_auc_91: 0.5157
Epoch 492/500
267/267 [=====] - 1s 3ms/step - loss: 2.0030 - auc_91:
0.5093 - val_loss: 1.1429 - val_auc_91: 0.5112
Epoch 493/500

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267/267 [=====] - 1s 3ms/step - loss: 2.5481 - auc_91:
0.5070 - val_loss: 2.0116 - val_auc_91: 0.5005
Epoch 494/500
267/267 [=====] - 1s 3ms/step - loss: 2.4100 - auc_91:
0.5107 - val_loss: 1.1628 - val_auc_91: 0.4904
Epoch 495/500
267/267 [=====] - 1s 3ms/step - loss: 2.2196 - auc_91:
0.5130 - val_loss: 3.5833 - val_auc_91: 0.4977
Epoch 496/500
267/267 [=====] - 1s 3ms/step - loss: 2.5299 - auc_91:
0.5093 - val_loss: 1.0286 - val_auc_91: 0.5119
Epoch 497/500
267/267 [=====] - 1s 3ms/step - loss: 2.2428 - auc_91:
0.5070 - val_loss: 2.1039 - val_auc_91: 0.5006
Epoch 498/500
267/267 [=====] - 1s 3ms/step - loss: 2.1073 - auc_91:
0.5094 - val_loss: 2.2131 - val_auc_91: 0.5026
Epoch 499/500
267/267 [=====] - 1s 3ms/step - loss: 2.6207 - auc_91:
0.5089 - val_loss: 1.9651 - val_auc_91: 0.5091
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 2.4694 - auc_91:
0.5066 - val_loss: 2.4235 - val_auc_91: 0.4912
625/625 [=====] - 0s 605us/step
[CV] ... epochs=500, learning_rate=0.01, score=0.500, total= 6.4min
[CV] epochs=500, learning_rate=0.01 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 3.3700 - auc_92:
0.5078 - val_loss: 1.9433 - val_auc_92: 0.5011
Epoch 2/500
267/267 [=====] - 1s 3ms/step - loss: 2.2845 - auc_92:
0.5066 - val_loss: 1.6223 - val_auc_92: 0.5106
Epoch 3/500
267/267 [=====] - 1s 4ms/step - loss: 2.3086 - auc_92:
0.5056 - val_loss: 1.4724 - val_auc_92: 0.4996
Epoch 4/500
267/267 [=====] - 1s 4ms/step - loss: 2.2848 - auc_92:
0.5075 - val_loss: 3.5235 - val_auc_92: 0.5074
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 2.6045 - auc_92:
0.5066 - val_loss: 3.2669 - val_auc_92: 0.5042
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 2.6503 - auc_92:
0.5041 - val_loss: 3.1359 - val_auc_92: 0.5019
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 2.2347 - auc_92:
0.5054 - val_loss: 1.2278 - val_auc_92: 0.4987
Epoch 8/500

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267/267 [=====] - 1s 3ms/step - loss: 2.3405 - auc_92:
0.5045 - val_loss: 2.4260 - val_auc_92: 0.5100
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 2.3497 - auc_92:
0.5045 - val_loss: 1.6825 - val_auc_92: 0.5100
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 2.7339 - auc_92:
0.5046 - val_loss: 2.2185 - val_auc_92: 0.4966
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 2.2281 - auc_92:
0.5067 - val_loss: 3.1743 - val_auc_92: 0.5005
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 2.1040 - auc_92:
0.5098 - val_loss: 2.2503 - val_auc_92: 0.5079
Epoch 13/500
267/267 [=====] - 1s 3ms/step - loss: 1.9795 - auc_92:
0.5055 - val_loss: 2.7586 - val_auc_92: 0.5108
Epoch 14/500
267/267 [=====] - 1s 3ms/step - loss: 2.4296 - auc_92:
0.5044 - val_loss: 1.9223 - val_auc_92: 0.5040
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 2.2677 - auc_92:
0.5065 - val_loss: 4.5554 - val_auc_92: 0.5033
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 2.4927 - auc_92:
0.5028 - val_loss: 1.9141 - val_auc_92: 0.5093
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 2.4926 - auc_92:
0.5040 - val_loss: 1.6762 - val_auc_92: 0.5115
Epoch 18/500
267/267 [=====] - 1s 3ms/step - loss: 2.7354 - auc_92:
0.5065 - val_loss: 3.5602 - val_auc_92: 0.5084
Epoch 19/500
267/267 [=====] - 1s 3ms/step - loss: 2.3286 - auc_92:
0.5031 - val_loss: 4.1082 - val_auc_92: 0.5145
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 2.5150 - auc_92:
0.5014 - val_loss: 2.7321 - val_auc_92: 0.5056
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 2.2443 - auc_92:
0.5067 - val_loss: 2.8751 - val_auc_92: 0.5036
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 2.0517 - auc_92:
0.5079 - val_loss: 2.8693 - val_auc_92: 0.5048
Epoch 23/500
267/267 [=====] - 1s 3ms/step - loss: 2.3061 - auc_92:
0.5056 - val_loss: 3.1489 - val_auc_92: 0.5097
Epoch 24/500

267/267 [=====] - 1s 3ms/step - loss: 2.3267 - auc_92:
0.5056 - val_loss: 2.2551 - val_auc_92: 0.5074
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 2.3510 - auc_92:
0.5042 - val_loss: 2.5583 - val_auc_92: 0.5138
Epoch 26/500
267/267 [=====] - 1s 3ms/step - loss: 2.7980 - auc_92:
0.5051 - val_loss: 1.4496 - val_auc_92: 0.4983
Epoch 27/500
267/267 [=====] - 1s 3ms/step - loss: 2.3330 - auc_92:
0.5081 - val_loss: 2.7680 - val_auc_92: 0.5034
Epoch 28/500
267/267 [=====] - 1s 3ms/step - loss: 2.2912 - auc_92:
0.5054 - val_loss: 2.6649 - val_auc_92: 0.5107
Epoch 29/500
267/267 [=====] - 1s 3ms/step - loss: 1.9393 - auc_92:
0.5095 - val_loss: 1.6475 - val_auc_92: 0.5065
Epoch 30/500
267/267 [=====] - 1s 3ms/step - loss: 2.3603 - auc_92:
0.5075 - val_loss: 3.0706 - val_auc_92: 0.5104
Epoch 31/500
267/267 [=====] - 1s 3ms/step - loss: 2.9533 - auc_92:
0.5036 - val_loss: 3.1624 - val_auc_92: 0.5151
Epoch 32/500
267/267 [=====] - 1s 3ms/step - loss: 2.4108 - auc_92:
0.5063 - val_loss: 2.9626 - val_auc_92: 0.5054
Epoch 33/500
267/267 [=====] - 1s 4ms/step - loss: 2.1865 - auc_92:
0.5075 - val_loss: 1.1695 - val_auc_92: 0.5122
Epoch 34/500
267/267 [=====] - 1s 3ms/step - loss: 2.1987 - auc_92:
0.5034 - val_loss: 2.8342 - val_auc_92: 0.5161
Epoch 35/500
267/267 [=====] - 1s 3ms/step - loss: 2.4440 - auc_92:
0.5045 - val_loss: 1.2920 - val_auc_92: 0.5008
Epoch 36/500
267/267 [=====] - 1s 3ms/step - loss: 2.4465 - auc_92:
0.5035 - val_loss: 2.8245 - val_auc_92: 0.5003
Epoch 37/500
267/267 [=====] - 1s 3ms/step - loss: 1.9594 - auc_92:
0.5083 - val_loss: 2.4895 - val_auc_92: 0.5035
Epoch 38/500
267/267 [=====] - 1s 3ms/step - loss: 2.1956 - auc_92:
0.5059 - val_loss: 1.8248 - val_auc_92: 0.4993
Epoch 39/500
267/267 [=====] - 1s 3ms/step - loss: 2.4157 - auc_92:
0.5045 - val_loss: 1.6550 - val_auc_92: 0.5162
Epoch 40/500

267/267 [=====] - 1s 3ms/step - loss: 2.7883 - auc_92:
0.5053 - val_loss: 2.2119 - val_auc_92: 0.4992
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 2.1861 - auc_92:
0.5077 - val_loss: 5.4197 - val_auc_92: 0.4919
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 2.1234 - auc_92:
0.5092 - val_loss: 1.4653 - val_auc_92: 0.5084
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 2.1977 - auc_92:
0.5076 - val_loss: 4.9084 - val_auc_92: 0.5082
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 2.3045 - auc_92:
0.5115 - val_loss: 2.6851 - val_auc_92: 0.5078
Epoch 45/500
267/267 [=====] - 1s 3ms/step - loss: 2.6913 - auc_92:
0.5047 - val_loss: 5.8838 - val_auc_92: 0.5099
Epoch 46/500
267/267 [=====] - 1s 3ms/step - loss: 2.3024 - auc_92:
0.5065 - val_loss: 1.7809 - val_auc_92: 0.5055
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 2.4288 - auc_92:
0.5071 - val_loss: 2.3356 - val_auc_92: 0.4999
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 2.2165 - auc_92:
0.5074 - val_loss: 1.6734 - val_auc_92: 0.5078
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 2.2631 - auc_92:
0.5106 - val_loss: 1.5040 - val_auc_92: 0.4935
Epoch 50/500
267/267 [=====] - 1s 3ms/step - loss: 2.3789 - auc_92:
0.5079 - val_loss: 1.2692 - val_auc_92: 0.5099
Epoch 51/500
267/267 [=====] - 1s 3ms/step - loss: 2.5830 - auc_92:
0.5069 - val_loss: 4.1269 - val_auc_92: 0.5099
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 2.2571 - auc_92:
0.5075 - val_loss: 2.2176 - val_auc_92: 0.5049
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 2.2137 - auc_92:
0.5084 - val_loss: 2.3784 - val_auc_92: 0.4961
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 2.5766 - auc_92:
0.5086 - val_loss: 5.4153 - val_auc_92: 0.5157
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 2.8116 - auc_92:
0.5066 - val_loss: 1.3515 - val_auc_92: 0.5115
Epoch 56/500

267/267 [=====] - 1s 3ms/step - loss: 2.4398 - auc_92:
0.5072 - val_loss: 1.3555 - val_auc_92: 0.4991
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 2.2433 - auc_92:
0.5081 - val_loss: 2.1640 - val_auc_92: 0.5066
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 2.5218 - auc_92:
0.5084 - val_loss: 1.1582 - val_auc_92: 0.5152
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 2.2856 - auc_92:
0.5093 - val_loss: 3.4630 - val_auc_92: 0.5098
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 2.4214 - auc_92:
0.5074 - val_loss: 1.3664 - val_auc_92: 0.5018
Epoch 61/500
267/267 [=====] - 1s 3ms/step - loss: 2.4048 - auc_92:
0.5048 - val_loss: 2.6412 - val_auc_92: 0.5078
Epoch 62/500
267/267 [=====] - 1s 3ms/step - loss: 2.1393 - auc_92:
0.5081 - val_loss: 1.5425 - val_auc_92: 0.5124
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 2.5810 - auc_92:
0.5080 - val_loss: 2.0332 - val_auc_92: 0.5056
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 2.0162 - auc_92:
0.5082 - val_loss: 1.6157 - val_auc_92: 0.5191
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 2.1735 - auc_92:
0.5088 - val_loss: 2.6989 - val_auc_92: 0.5029
Epoch 66/500
267/267 [=====] - 1s 3ms/step - loss: 2.3326 - auc_92:
0.5014 - val_loss: 4.0271 - val_auc_92: 0.4922
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 2.2506 - auc_92:
0.5100 - val_loss: 3.3199 - val_auc_92: 0.5174
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 2.7820 - auc_92:
0.5066 - val_loss: 3.9539 - val_auc_92: 0.5088
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 2.1152 - auc_92:
0.5063 - val_loss: 1.5051 - val_auc_92: 0.5091
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 2.4300 - auc_92:
0.5074 - val_loss: 1.6058 - val_auc_92: 0.5118
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 2.7242 - auc_92:
0.5101 - val_loss: 3.1694 - val_auc_92: 0.5172
Epoch 72/500

267/267 [=====] - 1s 3ms/step - loss: 2.0595 - auc_92:
0.5093 - val_loss: 3.4576 - val_auc_92: 0.5083
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 1.9020 - auc_92:
0.5047 - val_loss: 1.8467 - val_auc_92: 0.5091
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 1.9443 - auc_92:
0.5099 - val_loss: 1.7622 - val_auc_92: 0.5026
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 2.4293 - auc_92:
0.5089 - val_loss: 1.7633 - val_auc_92: 0.5120
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 2.1071 - auc_92:
0.5068 - val_loss: 2.0143 - val_auc_92: 0.5114
Epoch 77/500
267/267 [=====] - 1s 3ms/step - loss: 1.9531 - auc_92:
0.5074 - val_loss: 1.6911 - val_auc_92: 0.5114
Epoch 78/500
267/267 [=====] - 1s 3ms/step - loss: 2.5955 - auc_92:
0.5058 - val_loss: 1.3950 - val_auc_92: 0.5081
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 2.0774 - auc_92:
0.5076 - val_loss: 2.6133 - val_auc_92: 0.4970
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 1.9102 - auc_92:
0.5109 - val_loss: 2.8126 - val_auc_92: 0.4934
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 2.2879 - auc_92:
0.5106 - val_loss: 2.8926 - val_auc_92: 0.5128
Epoch 82/500
267/267 [=====] - 1s 3ms/step - loss: 2.3459 - auc_92:
0.5083 - val_loss: 2.4952 - val_auc_92: 0.5097
Epoch 83/500
267/267 [=====] - 1s 3ms/step - loss: 2.5280 - auc_92:
0.5080 - val_loss: 1.8283 - val_auc_92: 0.5176
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 2.4387 - auc_92:
0.5074 - val_loss: 1.9641 - val_auc_92: 0.5133
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 2.0100 - auc_92:
0.5089 - val_loss: 4.1119 - val_auc_92: 0.4926
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 2.5318 - auc_92:
0.5095 - val_loss: 2.1704 - val_auc_92: 0.5101
Epoch 87/500
267/267 [=====] - 1s 3ms/step - loss: 2.2225 - auc_92:
0.5060 - val_loss: 2.3059 - val_auc_92: 0.4942
Epoch 88/500

267/267 [=====] - 1s 3ms/step - loss: 2.1534 - auc_92:
 0.5057 - val_loss: 2.6342 - val_auc_92: 0.4984
 Epoch 89/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3503 - auc_92:
 0.5065 - val_loss: 3.1800 - val_auc_92: 0.5023
 Epoch 90/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1262 - auc_92:
 0.5106 - val_loss: 1.8921 - val_auc_92: 0.5136
 Epoch 91/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3344 - auc_92:
 0.5071 - val_loss: 3.1093 - val_auc_92: 0.5173
 Epoch 92/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3605 - auc_92:
 0.5059 - val_loss: 1.7504 - val_auc_92: 0.4999
 Epoch 93/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1331 - auc_92:
 0.5099 - val_loss: 3.6298 - val_auc_92: 0.5098
 Epoch 94/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3777 - auc_92:
 0.5069 - val_loss: 2.0665 - val_auc_92: 0.5145
 Epoch 95/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1901 - auc_92:
 0.5065 - val_loss: 2.5040 - val_auc_92: 0.4985
 Epoch 96/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3089 - auc_92:
 0.5044 - val_loss: 1.6300 - val_auc_92: 0.5168
 Epoch 97/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2371 - auc_92:
 0.5087 - val_loss: 3.3117 - val_auc_92: 0.5193
 Epoch 98/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3263 - auc_92:
 0.5038 - val_loss: 1.2414 - val_auc_92: 0.5179
 Epoch 99/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3349 - auc_92:
 0.5086 - val_loss: 4.8146 - val_auc_92: 0.5081
 Epoch 100/500
 267/267 [=====] - 1s 3ms/step - loss: 2.7813 - auc_92:
 0.5085 - val_loss: 3.0627 - val_auc_92: 0.5139
 Epoch 101/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0591 - auc_92:
 0.5091 - val_loss: 1.8736 - val_auc_92: 0.5011
 Epoch 102/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1997 - auc_92:
 0.5080 - val_loss: 2.1888 - val_auc_92: 0.5083
 Epoch 103/500
 267/267 [=====] - 1s 3ms/step - loss: 2.7187 - auc_92:
 0.5098 - val_loss: 3.1113 - val_auc_92: 0.5063
 Epoch 104/500

267/267 [=====] - 1s 3ms/step - loss: 2.2686 - auc_92:
0.5094 - val_loss: 1.7985 - val_auc_92: 0.4971
Epoch 105/500
267/267 [=====] - 1s 3ms/step - loss: 2.4563 - auc_92:
0.5084 - val_loss: 1.8112 - val_auc_92: 0.4908
Epoch 106/500
267/267 [=====] - 1s 3ms/step - loss: 1.9222 - auc_92:
0.5101 - val_loss: 1.6345 - val_auc_92: 0.5029
Epoch 107/500
267/267 [=====] - 1s 3ms/step - loss: 2.3580 - auc_92:
0.5106 - val_loss: 2.2595 - val_auc_92: 0.5131
Epoch 108/500
267/267 [=====] - 1s 3ms/step - loss: 2.3443 - auc_92:
0.5065 - val_loss: 2.3942 - val_auc_92: 0.5141
Epoch 109/500
267/267 [=====] - 1s 3ms/step - loss: 2.4988 - auc_92:
0.5044 - val_loss: 2.0820 - val_auc_92: 0.5021
Epoch 110/500
267/267 [=====] - 1s 3ms/step - loss: 2.4589 - auc_92:
0.5093 - val_loss: 2.5707 - val_auc_92: 0.5144
Epoch 111/500
267/267 [=====] - 1s 3ms/step - loss: 1.9335 - auc_92:
0.5111 - val_loss: 4.2035 - val_auc_92: 0.4939
Epoch 112/500
267/267 [=====] - 1s 3ms/step - loss: 2.0777 - auc_92:
0.5084 - val_loss: 1.6349 - val_auc_92: 0.5060
Epoch 113/500
267/267 [=====] - 1s 3ms/step - loss: 2.0713 - auc_92:
0.5088 - val_loss: 1.7353 - val_auc_92: 0.5132
Epoch 114/500
267/267 [=====] - 1s 3ms/step - loss: 2.2047 - auc_92:
0.5087 - val_loss: 2.0349 - val_auc_92: 0.5122
Epoch 115/500
267/267 [=====] - 1s 3ms/step - loss: 2.3989 - auc_92:
0.5098 - val_loss: 2.3652 - val_auc_92: 0.5105
Epoch 116/500
267/267 [=====] - 1s 3ms/step - loss: 2.2549 - auc_92:
0.5080 - val_loss: 2.6348 - val_auc_92: 0.5165
Epoch 117/500
267/267 [=====] - 1s 3ms/step - loss: 2.2136 - auc_92:
0.5073 - val_loss: 2.6538 - val_auc_92: 0.5006
Epoch 118/500
267/267 [=====] - 1s 3ms/step - loss: 2.1453 - auc_92:
0.5069 - val_loss: 1.8895 - val_auc_92: 0.5139
Epoch 119/500
267/267 [=====] - 1s 3ms/step - loss: 2.6655 - auc_92:
0.5119 - val_loss: 1.4219 - val_auc_92: 0.4998
Epoch 120/500

267/267 [=====] - 1s 3ms/step - loss: 2.3945 - auc_92:
0.5073 - val_loss: 3.0382 - val_auc_92: 0.5051
Epoch 121/500
267/267 [=====] - 1s 3ms/step - loss: 2.6058 - auc_92:
0.5080 - val_loss: 2.0122 - val_auc_92: 0.5006
Epoch 122/500
267/267 [=====] - 1s 3ms/step - loss: 2.5025 - auc_92:
0.5086 - val_loss: 1.4305 - val_auc_92: 0.5052
Epoch 123/500
267/267 [=====] - 1s 3ms/step - loss: 2.5128 - auc_92:
0.5081 - val_loss: 1.4368 - val_auc_92: 0.5004
Epoch 124/500
267/267 [=====] - 1s 3ms/step - loss: 2.0700 - auc_92:
0.5068 - val_loss: 1.1802 - val_auc_92: 0.5153
Epoch 125/500
267/267 [=====] - 1s 3ms/step - loss: 1.9338 - auc_92:
0.5090 - val_loss: 2.4211 - val_auc_92: 0.5148
Epoch 126/500
267/267 [=====] - 1s 3ms/step - loss: 2.3142 - auc_92:
0.5059 - val_loss: 1.3904 - val_auc_92: 0.5124
Epoch 127/500
267/267 [=====] - 1s 3ms/step - loss: 2.7440 - auc_92:
0.5063 - val_loss: 2.4604 - val_auc_92: 0.4897
Epoch 128/500
267/267 [=====] - 1s 3ms/step - loss: 2.4331 - auc_92:
0.5100 - val_loss: 1.4836 - val_auc_92: 0.5100
Epoch 129/500
267/267 [=====] - 1s 3ms/step - loss: 2.3349 - auc_92:
0.5058 - val_loss: 2.3904 - val_auc_92: 0.5148
Epoch 130/500
267/267 [=====] - 1s 3ms/step - loss: 2.0354 - auc_92:
0.5060 - val_loss: 2.4046 - val_auc_92: 0.5060
Epoch 131/500
267/267 [=====] - 1s 3ms/step - loss: 2.1070 - auc_92:
0.5067 - val_loss: 1.2591 - val_auc_92: 0.5012
Epoch 132/500
267/267 [=====] - 1s 3ms/step - loss: 2.3456 - auc_92:
0.5075 - val_loss: 1.4955 - val_auc_92: 0.5101
Epoch 133/500
267/267 [=====] - 1s 3ms/step - loss: 2.0611 - auc_92:
0.5088 - val_loss: 3.3666 - val_auc_92: 0.5065
Epoch 134/500
267/267 [=====] - 1s 3ms/step - loss: 2.4224 - auc_92:
0.5095 - val_loss: 2.4494 - val_auc_92: 0.5116
Epoch 135/500
267/267 [=====] - 1s 3ms/step - loss: 2.4006 - auc_92:
0.5062 - val_loss: 3.6067 - val_auc_92: 0.5023
Epoch 136/500

267/267 [=====] - 1s 3ms/step - loss: 2.6378 - auc_92:
0.5053 - val_loss: 3.6791 - val_auc_92: 0.5001
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 2.1956 - auc_92:
0.5069 - val_loss: 1.9235 - val_auc_92: 0.5106
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 2.2081 - auc_92:
0.5099 - val_loss: 1.8307 - val_auc_92: 0.5148
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 2.4700 - auc_92:
0.5100 - val_loss: 2.7008 - val_auc_92: 0.5055
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 2.4284 - auc_92:
0.5117 - val_loss: 2.1984 - val_auc_92: 0.4923
Epoch 141/500
267/267 [=====] - 1s 3ms/step - loss: 2.4220 - auc_92:
0.5077 - val_loss: 2.2087 - val_auc_92: 0.4944
Epoch 142/500
267/267 [=====] - 1s 3ms/step - loss: 2.2136 - auc_92:
0.5109 - val_loss: 1.3013 - val_auc_92: 0.5074
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 2.2360 - auc_92:
0.5088 - val_loss: 2.8599 - val_auc_92: 0.4939
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 2.7835 - auc_92:
0.5063 - val_loss: 1.9712 - val_auc_92: 0.5059
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 2.3778 - auc_92:
0.5122 - val_loss: 1.6280 - val_auc_92: 0.5117
Epoch 146/500
267/267 [=====] - 1s 3ms/step - loss: 2.5856 - auc_92:
0.5051 - val_loss: 1.6568 - val_auc_92: 0.5108
Epoch 147/500
267/267 [=====] - 1s 3ms/step - loss: 2.3612 - auc_92:
0.5113 - val_loss: 3.3224 - val_auc_92: 0.5022
Epoch 148/500
267/267 [=====] - 1s 3ms/step - loss: 2.3611 - auc_92:
0.5046 - val_loss: 2.5598 - val_auc_92: 0.5147
Epoch 149/500
267/267 [=====] - 1s 3ms/step - loss: 2.1440 - auc_92:
0.5104 - val_loss: 2.5411 - val_auc_92: 0.5087
Epoch 150/500
267/267 [=====] - 1s 3ms/step - loss: 2.3264 - auc_92:
0.5092 - val_loss: 1.8858 - val_auc_92: 0.5088
Epoch 151/500
267/267 [=====] - 1s 3ms/step - loss: 2.0481 - auc_92:
0.5076 - val_loss: 1.6403 - val_auc_92: 0.4968
Epoch 152/500

267/267 [=====] - 1s 3ms/step - loss: 2.1663 - auc_92:
0.5093 - val_loss: 2.1124 - val_auc_92: 0.5073
Epoch 153/500
267/267 [=====] - 1s 3ms/step - loss: 2.3394 - auc_92:
0.5070 - val_loss: 3.4986 - val_auc_92: 0.4992
Epoch 154/500
267/267 [=====] - 1s 3ms/step - loss: 2.3856 - auc_92:
0.5050 - val_loss: 2.1281 - val_auc_92: 0.5114
Epoch 155/500
267/267 [=====] - 1s 3ms/step - loss: 2.3882 - auc_92:
0.5075 - val_loss: 1.6591 - val_auc_92: 0.5161
Epoch 156/500
267/267 [=====] - 1s 3ms/step - loss: 2.3684 - auc_92:
0.5087 - val_loss: 2.9414 - val_auc_92: 0.5095
Epoch 157/500
267/267 [=====] - 1s 3ms/step - loss: 2.2175 - auc_92:
0.5094 - val_loss: 3.4497 - val_auc_92: 0.5015
Epoch 158/500
267/267 [=====] - 1s 3ms/step - loss: 2.5065 - auc_92:
0.5096 - val_loss: 2.4446 - val_auc_92: 0.5065
Epoch 159/500
267/267 [=====] - 1s 3ms/step - loss: 2.4128 - auc_92:
0.5062 - val_loss: 3.9373 - val_auc_92: 0.5040
Epoch 160/500
267/267 [=====] - 1s 3ms/step - loss: 2.6811 - auc_92:
0.5097 - val_loss: 3.8743 - val_auc_92: 0.4990
Epoch 161/500
267/267 [=====] - 1s 3ms/step - loss: 2.1887 - auc_92:
0.5074 - val_loss: 2.0332 - val_auc_92: 0.5070
Epoch 162/500
267/267 [=====] - 1s 3ms/step - loss: 2.3301 - auc_92:
0.5108 - val_loss: 3.1385 - val_auc_92: 0.5177
Epoch 163/500
267/267 [=====] - 1s 3ms/step - loss: 2.4597 - auc_92:
0.5067 - val_loss: 2.4581 - val_auc_92: 0.5065
Epoch 164/500
267/267 [=====] - 1s 3ms/step - loss: 2.3339 - auc_92:
0.5079 - val_loss: 1.8540 - val_auc_92: 0.5114
Epoch 165/500
267/267 [=====] - 1s 3ms/step - loss: 2.6289 - auc_92:
0.5058 - val_loss: 4.2105 - val_auc_92: 0.5081
Epoch 166/500
267/267 [=====] - 1s 3ms/step - loss: 2.1542 - auc_92:
0.5074 - val_loss: 2.3479 - val_auc_92: 0.5010
Epoch 167/500
267/267 [=====] - 1s 3ms/step - loss: 2.4492 - auc_92:
0.5056 - val_loss: 1.3314 - val_auc_92: 0.5038
Epoch 168/500

267/267 [=====] - 1s 3ms/step - loss: 1.9278 - auc_92:
0.5093 - val_loss: 3.2036 - val_auc_92: 0.5047
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 2.1700 - auc_92:
0.5085 - val_loss: 2.8183 - val_auc_92: 0.5071
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 2.2726 - auc_92:
0.5070 - val_loss: 1.9181 - val_auc_92: 0.5148
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 2.5592 - auc_92:
0.5082 - val_loss: 2.2064 - val_auc_92: 0.5068
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 1.9830 - auc_92:
0.5111 - val_loss: 2.5854 - val_auc_92: 0.5073
Epoch 173/500
267/267 [=====] - 1s 3ms/step - loss: 2.7729 - auc_92:
0.5063 - val_loss: 1.5181 - val_auc_92: 0.5013
Epoch 174/500
267/267 [=====] - 1s 3ms/step - loss: 2.2611 - auc_92:
0.5060 - val_loss: 1.2717 - val_auc_92: 0.5146
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 2.1645 - auc_92:
0.5097 - val_loss: 4.8437 - val_auc_92: 0.5093
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 2.2878 - auc_92:
0.5072 - val_loss: 1.9870 - val_auc_92: 0.5060
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 2.1440 - auc_92:
0.5078 - val_loss: 1.8770 - val_auc_92: 0.5052
Epoch 178/500
267/267 [=====] - 1s 3ms/step - loss: 2.6145 - auc_92:
0.5059 - val_loss: 1.2899 - val_auc_92: 0.5091
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 2.3129 - auc_92:
0.5080 - val_loss: 1.3364 - val_auc_92: 0.5106
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 2.3091 - auc_92:
0.5083 - val_loss: 1.9824 - val_auc_92: 0.5003
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 2.2091 - auc_92:
0.5075 - val_loss: 2.6815 - val_auc_92: 0.4997
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 2.3418 - auc_92:
0.5092 - val_loss: 3.8703 - val_auc_92: 0.5092
Epoch 183/500
267/267 [=====] - 1s 3ms/step - loss: 2.1919 - auc_92:
0.5088 - val_loss: 1.0713 - val_auc_92: 0.5076
Epoch 184/500

267/267 [=====] - 1s 3ms/step - loss: 2.1777 - auc_92:
0.5081 - val_loss: 1.7814 - val_auc_92: 0.5082
Epoch 185/500
267/267 [=====] - 1s 3ms/step - loss: 2.4609 - auc_92:
0.5100 - val_loss: 2.5603 - val_auc_92: 0.5101
Epoch 186/500
267/267 [=====] - 1s 3ms/step - loss: 1.9615 - auc_92:
0.5073 - val_loss: 2.4257 - val_auc_92: 0.5066
Epoch 187/500
267/267 [=====] - 1s 3ms/step - loss: 2.4269 - auc_92:
0.5050 - val_loss: 2.2270 - val_auc_92: 0.5094
Epoch 188/500
267/267 [=====] - 1s 3ms/step - loss: 2.3035 - auc_92:
0.5083 - val_loss: 3.2455 - val_auc_92: 0.5053
Epoch 189/500
267/267 [=====] - 1s 3ms/step - loss: 2.0523 - auc_92:
0.5069 - val_loss: 1.8515 - val_auc_92: 0.5108
Epoch 190/500
267/267 [=====] - 1s 3ms/step - loss: 2.0663 - auc_92:
0.5056 - val_loss: 1.5982 - val_auc_92: 0.5084
Epoch 191/500
267/267 [=====] - 1s 3ms/step - loss: 2.2980 - auc_92:
0.5102 - val_loss: 2.1551 - val_auc_92: 0.4943
Epoch 192/500
267/267 [=====] - 1s 3ms/step - loss: 2.4306 - auc_92:
0.5073 - val_loss: 1.5531 - val_auc_92: 0.5118
Epoch 193/500
267/267 [=====] - 1s 3ms/step - loss: 2.8420 - auc_92:
0.5087 - val_loss: 2.8240 - val_auc_92: 0.5004
Epoch 194/500
267/267 [=====] - 1s 3ms/step - loss: 2.5801 - auc_92:
0.5049 - val_loss: 3.7081 - val_auc_92: 0.5077
Epoch 195/500
267/267 [=====] - 1s 3ms/step - loss: 2.1797 - auc_92:
0.5085 - val_loss: 1.4437 - val_auc_92: 0.5008
Epoch 196/500
267/267 [=====] - 1s 3ms/step - loss: 2.2849 - auc_92:
0.5104 - val_loss: 1.0820 - val_auc_92: 0.5001
Epoch 197/500
267/267 [=====] - 1s 3ms/step - loss: 2.5293 - auc_92:
0.5119 - val_loss: 1.5748 - val_auc_92: 0.4968
Epoch 198/500
267/267 [=====] - 1s 3ms/step - loss: 2.4674 - auc_92:
0.5101 - val_loss: 1.6614 - val_auc_92: 0.5071
Epoch 199/500
267/267 [=====] - 1s 3ms/step - loss: 2.5889 - auc_92:
0.5087 - val_loss: 3.6619 - val_auc_92: 0.5030
Epoch 200/500

267/267 [=====] - 1s 3ms/step - loss: 2.3613 - auc_92:
0.5093 - val_loss: 1.7797 - val_auc_92: 0.5070
Epoch 201/500
267/267 [=====] - 1s 3ms/step - loss: 2.2352 - auc_92:
0.5112 - val_loss: 1.1818 - val_auc_92: 0.4904
Epoch 202/500
267/267 [=====] - 1s 3ms/step - loss: 2.1083 - auc_92:
0.5064 - val_loss: 3.2889 - val_auc_92: 0.5136
Epoch 203/500
267/267 [=====] - 1s 3ms/step - loss: 2.2835 - auc_92:
0.5073 - val_loss: 2.2422 - val_auc_92: 0.5117
Epoch 204/500
267/267 [=====] - 1s 3ms/step - loss: 2.3441 - auc_92:
0.5055 - val_loss: 2.1950 - val_auc_92: 0.4919
Epoch 205/500
267/267 [=====] - 1s 3ms/step - loss: 2.3894 - auc_92:
0.5071 - val_loss: 2.3339 - val_auc_92: 0.5124
Epoch 206/500
267/267 [=====] - 1s 3ms/step - loss: 2.1123 - auc_92:
0.5081 - val_loss: 1.9685 - val_auc_92: 0.5139
Epoch 207/500
267/267 [=====] - 1s 3ms/step - loss: 2.2734 - auc_92:
0.5104 - val_loss: 3.8111 - val_auc_92: 0.5078
Epoch 208/500
267/267 [=====] - 1s 3ms/step - loss: 2.5836 - auc_92:
0.5071 - val_loss: 1.5983 - val_auc_92: 0.5084
Epoch 209/500
267/267 [=====] - 1s 3ms/step - loss: 2.6484 - auc_92:
0.5058 - val_loss: 2.0957 - val_auc_92: 0.5083
Epoch 210/500
267/267 [=====] - 1s 3ms/step - loss: 2.3224 - auc_92:
0.5078 - val_loss: 3.1300 - val_auc_92: 0.5076
Epoch 211/500
267/267 [=====] - 1s 3ms/step - loss: 2.0791 - auc_92:
0.5069 - val_loss: 1.8596 - val_auc_92: 0.5036
Epoch 212/500
267/267 [=====] - 1s 3ms/step - loss: 2.2887 - auc_92:
0.5089 - val_loss: 2.2375 - val_auc_92: 0.5085
Epoch 213/500
267/267 [=====] - 1s 3ms/step - loss: 2.1209 - auc_92:
0.5066 - val_loss: 1.6623 - val_auc_92: 0.5093
Epoch 214/500
267/267 [=====] - 1s 3ms/step - loss: 2.2016 - auc_92:
0.5091 - val_loss: 2.2392 - val_auc_92: 0.5025
Epoch 215/500
267/267 [=====] - 1s 3ms/step - loss: 2.2182 - auc_92:
0.5088 - val_loss: 3.1917 - val_auc_92: 0.5140
Epoch 216/500

267/267 [=====] - 1s 3ms/step - loss: 2.2530 - auc_92:
0.5094 - val_loss: 3.1330 - val_auc_92: 0.5132
Epoch 217/500
267/267 [=====] - 1s 3ms/step - loss: 2.5272 - auc_92:
0.5076 - val_loss: 2.5786 - val_auc_92: 0.5069
Epoch 218/500
267/267 [=====] - 1s 3ms/step - loss: 2.2452 - auc_92:
0.5086 - val_loss: 2.2194 - val_auc_92: 0.5154
Epoch 219/500
267/267 [=====] - 1s 3ms/step - loss: 2.5345 - auc_92:
0.5086 - val_loss: 1.7124 - val_auc_92: 0.5045
Epoch 220/500
267/267 [=====] - 1s 3ms/step - loss: 2.2083 - auc_92:
0.5083 - val_loss: 4.3502 - val_auc_92: 0.5146
Epoch 221/500
267/267 [=====] - 1s 3ms/step - loss: 2.0430 - auc_92:
0.5114 - val_loss: 2.1782 - val_auc_92: 0.5102
Epoch 222/500
267/267 [=====] - 1s 3ms/step - loss: 2.2474 - auc_92:
0.5047 - val_loss: 4.9530 - val_auc_92: 0.5088
Epoch 223/500
267/267 [=====] - 1s 3ms/step - loss: 2.1972 - auc_92:
0.5065 - val_loss: 2.8845 - val_auc_92: 0.5027
Epoch 224/500
267/267 [=====] - 1s 3ms/step - loss: 2.3377 - auc_92:
0.5073 - val_loss: 1.5693 - val_auc_92: 0.5070
Epoch 225/500
267/267 [=====] - 1s 3ms/step - loss: 2.5759 - auc_92:
0.5068 - val_loss: 3.3634 - val_auc_92: 0.5050
Epoch 226/500
267/267 [=====] - 1s 3ms/step - loss: 2.7586 - auc_92:
0.5040 - val_loss: 4.3325 - val_auc_92: 0.5127
Epoch 227/500
267/267 [=====] - 1s 3ms/step - loss: 2.2407 - auc_92:
0.5039 - val_loss: 1.9438 - val_auc_92: 0.5149
Epoch 228/500
267/267 [=====] - 1s 3ms/step - loss: 2.4746 - auc_92:
0.5055 - val_loss: 2.9329 - val_auc_92: 0.4972
Epoch 229/500
267/267 [=====] - 1s 3ms/step - loss: 2.3200 - auc_92:
0.5111 - val_loss: 1.5798 - val_auc_92: 0.5178
Epoch 230/500
267/267 [=====] - 1s 3ms/step - loss: 2.0582 - auc_92:
0.5089 - val_loss: 2.2586 - val_auc_92: 0.5071
Epoch 231/500
267/267 [=====] - 1s 3ms/step - loss: 2.0102 - auc_92:
0.5099 - val_loss: 1.6221 - val_auc_92: 0.5082
Epoch 232/500

267/267 [=====] - 1s 3ms/step - loss: 2.3947 - auc_92:
0.5082 - val_loss: 2.7332 - val_auc_92: 0.5088
Epoch 233/500
267/267 [=====] - 1s 3ms/step - loss: 2.3854 - auc_92:
0.5054 - val_loss: 2.4650 - val_auc_92: 0.4957
Epoch 234/500
267/267 [=====] - 1s 3ms/step - loss: 2.2745 - auc_92:
0.5104 - val_loss: 1.2016 - val_auc_92: 0.5132
Epoch 235/500
267/267 [=====] - 1s 3ms/step - loss: 2.1790 - auc_92:
0.5067 - val_loss: 1.6955 - val_auc_92: 0.5101
Epoch 236/500
267/267 [=====] - 1s 3ms/step - loss: 1.9822 - auc_92:
0.5074 - val_loss: 3.3590 - val_auc_92: 0.5122
Epoch 237/500
267/267 [=====] - 1s 3ms/step - loss: 2.2885 - auc_92:
0.5077 - val_loss: 5.2115 - val_auc_92: 0.5038
Epoch 238/500
267/267 [=====] - 1s 3ms/step - loss: 2.3346 - auc_92:
0.5062 - val_loss: 1.7990 - val_auc_92: 0.5135
Epoch 239/500
267/267 [=====] - 1s 3ms/step - loss: 2.1078 - auc_92:
0.5110 - val_loss: 2.4959 - val_auc_92: 0.5119
Epoch 240/500
267/267 [=====] - 1s 3ms/step - loss: 2.2850 - auc_92:
0.5087 - val_loss: 3.1347 - val_auc_92: 0.5150
Epoch 241/500
267/267 [=====] - 1s 3ms/step - loss: 2.1438 - auc_92:
0.5087 - val_loss: 3.6522 - val_auc_92: 0.5104
Epoch 242/500
267/267 [=====] - 1s 3ms/step - loss: 2.6349 - auc_92:
0.5081 - val_loss: 2.6283 - val_auc_92: 0.5042
Epoch 243/500
267/267 [=====] - 1s 3ms/step - loss: 2.3591 - auc_92:
0.5118 - val_loss: 2.5638 - val_auc_92: 0.5140
Epoch 244/500
267/267 [=====] - 1s 3ms/step - loss: 2.1863 - auc_92:
0.5089 - val_loss: 1.3999 - val_auc_92: 0.5091
Epoch 245/500
267/267 [=====] - 1s 3ms/step - loss: 2.2071 - auc_92:
0.5091 - val_loss: 4.6520 - val_auc_92: 0.4976
Epoch 246/500
267/267 [=====] - 1s 3ms/step - loss: 2.6017 - auc_92:
0.5122 - val_loss: 2.1739 - val_auc_92: 0.5053
Epoch 247/500
267/267 [=====] - 1s 3ms/step - loss: 2.4486 - auc_92:
0.5097 - val_loss: 2.7417 - val_auc_92: 0.5060
Epoch 248/500

267/267 [=====] - 1s 3ms/step - loss: 2.6090 - auc_92:
 0.5070 - val_loss: 3.0419 - val_auc_92: 0.5115
 Epoch 249/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4499 - auc_92:
 0.5108 - val_loss: 3.2737 - val_auc_92: 0.4960
 Epoch 250/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4293 - auc_92:
 0.5080 - val_loss: 1.9649 - val_auc_92: 0.5073
 Epoch 251/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1194 - auc_92:
 0.5102 - val_loss: 1.8729 - val_auc_92: 0.5103
 Epoch 252/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0953 - auc_92:
 0.5103 - val_loss: 2.1496 - val_auc_92: 0.5105
 Epoch 253/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2637 - auc_92:
 0.5103 - val_loss: 1.9680 - val_auc_92: 0.5050
 Epoch 254/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6560 - auc_92:
 0.5075 - val_loss: 2.6904 - val_auc_92: 0.5166
 Epoch 255/500
 267/267 [=====] - 1s 3ms/step - loss: 2.7524 - auc_92:
 0.5067 - val_loss: 7.0954 - val_auc_92: 0.5057
 Epoch 256/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3143 - auc_92:
 0.5102 - val_loss: 2.2561 - val_auc_92: 0.5182
 Epoch 257/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5141 - auc_92:
 0.5059 - val_loss: 2.8566 - val_auc_92: 0.5061
 Epoch 258/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1877 - auc_92:
 0.5055 - val_loss: 1.3837 - val_auc_92: 0.5171
 Epoch 259/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2619 - auc_92:
 0.5094 - val_loss: 2.7348 - val_auc_92: 0.5055
 Epoch 260/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3122 - auc_92:
 0.5076 - val_loss: 2.3883 - val_auc_92: 0.5143
 Epoch 261/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5294 - auc_92:
 0.5095 - val_loss: 2.1509 - val_auc_92: 0.5074
 Epoch 262/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4703 - auc_92:
 0.5089 - val_loss: 2.3886 - val_auc_92: 0.5170
 Epoch 263/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4843 - auc_92:
 0.5092 - val_loss: 2.5539 - val_auc_92: 0.5145
 Epoch 264/500

267/267 [=====] - 1s 3ms/step - loss: 2.1826 - auc_92:
 0.5068 - val_loss: 2.0939 - val_auc_92: 0.5041
 Epoch 265/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3506 - auc_92:
 0.5059 - val_loss: 3.3946 - val_auc_92: 0.5061
 Epoch 266/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1719 - auc_92:
 0.5091 - val_loss: 1.4341 - val_auc_92: 0.5083
 Epoch 267/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4193 - auc_92:
 0.5111 - val_loss: 2.1830 - val_auc_92: 0.5114
 Epoch 268/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4219 - auc_92:
 0.5111 - val_loss: 1.8549 - val_auc_92: 0.4978
 Epoch 269/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3118 - auc_92:
 0.5106 - val_loss: 3.9757 - val_auc_92: 0.5123
 Epoch 270/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4307 - auc_92:
 0.5090 - val_loss: 2.4622 - val_auc_92: 0.5141
 Epoch 271/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1040 - auc_92:
 0.5103 - val_loss: 2.9458 - val_auc_92: 0.5055
 Epoch 272/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2491 - auc_92:
 0.5069 - val_loss: 1.4153 - val_auc_92: 0.4964
 Epoch 273/500
 267/267 [=====] - 1s 4ms/step - loss: 2.2964 - auc_92:
 0.5109 - val_loss: 1.2089 - val_auc_92: 0.5087
 Epoch 274/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5869 - auc_92:
 0.5078 - val_loss: 1.7392 - val_auc_92: 0.5114
 Epoch 275/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4901 - auc_92:
 0.5086 - val_loss: 1.7996 - val_auc_92: 0.5104
 Epoch 276/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0519 - auc_92:
 0.5084 - val_loss: 2.6017 - val_auc_92: 0.5079
 Epoch 277/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3524 - auc_92:
 0.5076 - val_loss: 4.3798 - val_auc_92: 0.5021
 Epoch 278/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5985 - auc_92:
 0.5050 - val_loss: 4.0925 - val_auc_92: 0.5109
 Epoch 279/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2413 - auc_92:
 0.5094 - val_loss: 2.6198 - val_auc_92: 0.5140
 Epoch 280/500

267/267 [=====] - 1s 3ms/step - loss: 2.0586 - auc_92:
0.5089 - val_loss: 2.7090 - val_auc_92: 0.5047
Epoch 281/500
267/267 [=====] - 1s 3ms/step - loss: 2.4593 - auc_92:
0.5086 - val_loss: 2.3864 - val_auc_92: 0.4956
Epoch 282/500
267/267 [=====] - 1s 3ms/step - loss: 2.5528 - auc_92:
0.5099 - val_loss: 2.1593 - val_auc_92: 0.5030
Epoch 283/500
267/267 [=====] - 1s 3ms/step - loss: 2.4706 - auc_92:
0.5071 - val_loss: 1.9546 - val_auc_92: 0.5099
Epoch 284/500
267/267 [=====] - 1s 3ms/step - loss: 2.3742 - auc_92:
0.5080 - val_loss: 1.6596 - val_auc_92: 0.5049
Epoch 285/500
267/267 [=====] - 1s 3ms/step - loss: 2.5561 - auc_92:
0.5087 - val_loss: 3.0711 - val_auc_92: 0.5075
Epoch 286/500
267/267 [=====] - 1s 3ms/step - loss: 2.0732 - auc_92:
0.5059 - val_loss: 2.7292 - val_auc_92: 0.5081
Epoch 287/500
267/267 [=====] - 1s 3ms/step - loss: 2.6761 - auc_92:
0.5091 - val_loss: 1.5608 - val_auc_92: 0.5135
Epoch 288/500
267/267 [=====] - 1s 3ms/step - loss: 2.3800 - auc_92:
0.5110 - val_loss: 5.9455 - val_auc_92: 0.5109
Epoch 289/500
267/267 [=====] - 1s 3ms/step - loss: 2.1801 - auc_92:
0.5068 - val_loss: 1.8410 - val_auc_92: 0.5067
Epoch 290/500
267/267 [=====] - 1s 3ms/step - loss: 2.5162 - auc_92:
0.5077 - val_loss: 2.6151 - val_auc_92: 0.5051
Epoch 291/500
267/267 [=====] - 1s 3ms/step - loss: 2.4240 - auc_92:
0.5091 - val_loss: 1.9732 - val_auc_92: 0.5009
Epoch 292/500
267/267 [=====] - 1s 3ms/step - loss: 2.1706 - auc_92:
0.5097 - val_loss: 2.6886 - val_auc_92: 0.5097
Epoch 293/500
267/267 [=====] - 1s 3ms/step - loss: 2.9585 - auc_92:
0.5080 - val_loss: 1.3525 - val_auc_92: 0.5139
Epoch 294/500
267/267 [=====] - 1s 3ms/step - loss: 2.2187 - auc_92:
0.5078 - val_loss: 3.3072 - val_auc_92: 0.4910
Epoch 295/500
267/267 [=====] - 1s 3ms/step - loss: 2.1846 - auc_92:
0.5047 - val_loss: 2.0179 - val_auc_92: 0.4922
Epoch 296/500

267/267 [=====] - 1s 3ms/step - loss: 2.2205 - auc_92:
0.5083 - val_loss: 1.8412 - val_auc_92: 0.5076
Epoch 297/500
267/267 [=====] - 1s 3ms/step - loss: 2.4039 - auc_92:
0.5075 - val_loss: 1.7335 - val_auc_92: 0.4954
Epoch 298/500
267/267 [=====] - 1s 3ms/step - loss: 2.4571 - auc_92:
0.5052 - val_loss: 2.0852 - val_auc_92: 0.5084
Epoch 299/500
267/267 [=====] - 1s 3ms/step - loss: 2.4112 - auc_92:
0.5085 - val_loss: 1.6264 - val_auc_92: 0.4981
Epoch 300/500
267/267 [=====] - 1s 3ms/step - loss: 2.2966 - auc_92:
0.5099 - val_loss: 1.8983 - val_auc_92: 0.5086
Epoch 301/500
267/267 [=====] - 1s 3ms/step - loss: 2.7287 - auc_92:
0.5072 - val_loss: 3.3085 - val_auc_92: 0.5075
Epoch 302/500
267/267 [=====] - 1s 3ms/step - loss: 2.1043 - auc_92:
0.5078 - val_loss: 5.3538 - val_auc_92: 0.5016
Epoch 303/500
267/267 [=====] - 1s 3ms/step - loss: 2.4845 - auc_92:
0.5075 - val_loss: 2.9407 - val_auc_92: 0.5049
Epoch 304/500
267/267 [=====] - 1s 3ms/step - loss: 2.4005 - auc_92:
0.5071 - val_loss: 3.8261 - val_auc_92: 0.5099
Epoch 305/500
267/267 [=====] - 1s 3ms/step - loss: 2.2549 - auc_92:
0.5081 - val_loss: 2.4775 - val_auc_92: 0.4999
Epoch 306/500
267/267 [=====] - 1s 3ms/step - loss: 2.3152 - auc_92:
0.5060 - val_loss: 1.5562 - val_auc_92: 0.5091
Epoch 307/500
267/267 [=====] - 1s 3ms/step - loss: 2.2064 - auc_92:
0.5103 - val_loss: 2.4570 - val_auc_92: 0.5085
Epoch 308/500
267/267 [=====] - 1s 3ms/step - loss: 2.4543 - auc_92:
0.5083 - val_loss: 1.7185 - val_auc_92: 0.5024
Epoch 309/500
267/267 [=====] - 1s 3ms/step - loss: 2.3027 - auc_92:
0.5120 - val_loss: 1.6199 - val_auc_92: 0.5044
Epoch 310/500
267/267 [=====] - 1s 3ms/step - loss: 1.9548 - auc_92:
0.5087 - val_loss: 4.0820 - val_auc_92: 0.5031
Epoch 311/500
267/267 [=====] - 1s 3ms/step - loss: 2.7181 - auc_92:
0.5100 - val_loss: 2.6402 - val_auc_92: 0.5102
Epoch 312/500

267/267 [=====] - 1s 3ms/step - loss: 2.7369 - auc_92:
0.5058 - val_loss: 4.0969 - val_auc_92: 0.4942
Epoch 313/500
267/267 [=====] - 1s 3ms/step - loss: 2.8231 - auc_92:
0.5097 - val_loss: 1.5633 - val_auc_92: 0.4897
Epoch 314/500
267/267 [=====] - 1s 3ms/step - loss: 2.1425 - auc_92:
0.5072 - val_loss: 3.0751 - val_auc_92: 0.5095
Epoch 315/500
267/267 [=====] - 1s 3ms/step - loss: 2.2196 - auc_92:
0.5090 - val_loss: 3.0811 - val_auc_92: 0.5164
Epoch 316/500
267/267 [=====] - 1s 3ms/step - loss: 2.3224 - auc_92:
0.5112 - val_loss: 2.7449 - val_auc_92: 0.4918
Epoch 317/500
267/267 [=====] - 1s 3ms/step - loss: 2.3271 - auc_92:
0.5085 - val_loss: 2.4540 - val_auc_92: 0.4964
Epoch 318/500
267/267 [=====] - 1s 3ms/step - loss: 2.4142 - auc_92:
0.5076 - val_loss: 2.0761 - val_auc_92: 0.5169
Epoch 319/500
267/267 [=====] - 1s 3ms/step - loss: 2.4583 - auc_92:
0.5111 - val_loss: 3.1074 - val_auc_92: 0.5077
Epoch 320/500
267/267 [=====] - 1s 3ms/step - loss: 2.1453 - auc_92:
0.5102 - val_loss: 2.4848 - val_auc_92: 0.5057
Epoch 321/500
267/267 [=====] - 1s 3ms/step - loss: 2.4203 - auc_92:
0.5093 - val_loss: 2.3630 - val_auc_92: 0.5011
Epoch 322/500
267/267 [=====] - 1s 3ms/step - loss: 2.9464 - auc_92:
0.5065 - val_loss: 1.3165 - val_auc_92: 0.5161
Epoch 323/500
267/267 [=====] - 1s 3ms/step - loss: 2.0937 - auc_92:
0.5090 - val_loss: 3.5041 - val_auc_92: 0.5132
Epoch 324/500
267/267 [=====] - 1s 3ms/step - loss: 2.3739 - auc_92:
0.5087 - val_loss: 2.0398 - val_auc_92: 0.5118
Epoch 325/500
267/267 [=====] - 1s 3ms/step - loss: 2.1511 - auc_92:
0.5098 - val_loss: 2.7950 - val_auc_92: 0.4999
Epoch 326/500
267/267 [=====] - 1s 3ms/step - loss: 2.4946 - auc_92:
0.5067 - val_loss: 2.6677 - val_auc_92: 0.5173
Epoch 327/500
267/267 [=====] - 1s 3ms/step - loss: 2.4850 - auc_92:
0.5061 - val_loss: 3.8465 - val_auc_92: 0.5020
Epoch 328/500

267/267 [=====] - 1s 3ms/step - loss: 2.3584 - auc_92:
0.5101 - val_loss: 1.3310 - val_auc_92: 0.5121
Epoch 329/500
267/267 [=====] - 1s 3ms/step - loss: 2.5397 - auc_92:
0.5100 - val_loss: 2.3695 - val_auc_92: 0.5058
Epoch 330/500
267/267 [=====] - 1s 3ms/step - loss: 2.6920 - auc_92:
0.5087 - val_loss: 3.6103 - val_auc_92: 0.5084
Epoch 331/500
267/267 [=====] - 1s 3ms/step - loss: 2.4711 - auc_92:
0.5095 - val_loss: 2.0161 - val_auc_92: 0.5066
Epoch 332/500
267/267 [=====] - 1s 3ms/step - loss: 2.3904 - auc_92:
0.5073 - val_loss: 3.3567 - val_auc_92: 0.5076
Epoch 333/500
267/267 [=====] - 1s 3ms/step - loss: 2.0601 - auc_92:
0.5068 - val_loss: 3.6106 - val_auc_92: 0.5095
Epoch 334/500
267/267 [=====] - 1s 3ms/step - loss: 2.0319 - auc_92:
0.5061 - val_loss: 2.9911 - val_auc_92: 0.5112
Epoch 335/500
267/267 [=====] - 1s 3ms/step - loss: 2.3902 - auc_92:
0.5086 - val_loss: 1.9309 - val_auc_92: 0.5165
Epoch 336/500
267/267 [=====] - 1s 3ms/step - loss: 2.1093 - auc_92:
0.5074 - val_loss: 4.0274 - val_auc_92: 0.5076
Epoch 337/500
267/267 [=====] - 1s 3ms/step - loss: 2.5287 - auc_92:
0.5073 - val_loss: 2.9678 - val_auc_92: 0.5117
Epoch 338/500
267/267 [=====] - 1s 3ms/step - loss: 2.2555 - auc_92:
0.5110 - val_loss: 1.2862 - val_auc_92: 0.5073
Epoch 339/500
267/267 [=====] - 1s 3ms/step - loss: 2.2558 - auc_92:
0.5085 - val_loss: 2.4220 - val_auc_92: 0.5042
Epoch 340/500
267/267 [=====] - 1s 3ms/step - loss: 2.2287 - auc_92:
0.5115 - val_loss: 2.3662 - val_auc_92: 0.4987
Epoch 341/500
267/267 [=====] - 1s 3ms/step - loss: 2.3782 - auc_92:
0.5064 - val_loss: 1.7041 - val_auc_92: 0.5133
Epoch 342/500
267/267 [=====] - 1s 3ms/step - loss: 2.0542 - auc_92:
0.5099 - val_loss: 2.4920 - val_auc_92: 0.5124
Epoch 343/500
267/267 [=====] - 1s 3ms/step - loss: 2.3835 - auc_92:
0.5096 - val_loss: 4.1301 - val_auc_92: 0.5139
Epoch 344/500

267/267 [=====] - 1s 3ms/step - loss: 2.2186 - auc_92:
0.5050 - val_loss: 1.7985 - val_auc_92: 0.5093
Epoch 345/500
267/267 [=====] - 1s 3ms/step - loss: 2.4370 - auc_92:
0.5078 - val_loss: 2.1387 - val_auc_92: 0.5080
Epoch 346/500
267/267 [=====] - 1s 3ms/step - loss: 2.3824 - auc_92:
0.5123 - val_loss: 2.8103 - val_auc_92: 0.5134
Epoch 347/500
267/267 [=====] - 1s 3ms/step - loss: 2.7437 - auc_92:
0.5079 - val_loss: 2.1686 - val_auc_92: 0.5036
Epoch 348/500
267/267 [=====] - 1s 3ms/step - loss: 2.1012 - auc_92:
0.5123 - val_loss: 2.6465 - val_auc_92: 0.5000
Epoch 349/500
267/267 [=====] - 1s 3ms/step - loss: 2.3881 - auc_92:
0.5077 - val_loss: 1.2457 - val_auc_92: 0.5010
Epoch 350/500
267/267 [=====] - 1s 3ms/step - loss: 2.5740 - auc_92:
0.5101 - val_loss: 1.7244 - val_auc_92: 0.5098
Epoch 351/500
267/267 [=====] - 1s 3ms/step - loss: 1.9574 - auc_92:
0.5062 - val_loss: 1.8128 - val_auc_92: 0.5093
Epoch 352/500
267/267 [=====] - 1s 3ms/step - loss: 2.3584 - auc_92:
0.5054 - val_loss: 1.5976 - val_auc_92: 0.5049
Epoch 353/500
267/267 [=====] - 1s 3ms/step - loss: 2.4332 - auc_92:
0.5079 - val_loss: 2.0430 - val_auc_92: 0.4899
Epoch 354/500
267/267 [=====] - 1s 3ms/step - loss: 2.0966 - auc_92:
0.5081 - val_loss: 1.8137 - val_auc_92: 0.5111
Epoch 355/500
267/267 [=====] - 1s 3ms/step - loss: 2.1370 - auc_92:
0.5065 - val_loss: 2.5588 - val_auc_92: 0.5113
Epoch 356/500
267/267 [=====] - 1s 3ms/step - loss: 2.4272 - auc_92:
0.5062 - val_loss: 1.0283 - val_auc_92: 0.5017
Epoch 357/500
267/267 [=====] - 1s 3ms/step - loss: 2.6475 - auc_92:
0.5084 - val_loss: 2.3695 - val_auc_92: 0.5162
Epoch 358/500
267/267 [=====] - 1s 3ms/step - loss: 2.4435 - auc_92:
0.5094 - val_loss: 2.1943 - val_auc_92: 0.5160
Epoch 359/500
267/267 [=====] - 1s 3ms/step - loss: 2.3240 - auc_92:
0.5069 - val_loss: 1.8240 - val_auc_92: 0.5091
Epoch 360/500

267/267 [=====] - 1s 3ms/step - loss: 2.1192 - auc_92:
 0.5077 - val_loss: 1.8612 - val_auc_92: 0.5092
 Epoch 361/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5005 - auc_92:
 0.5063 - val_loss: 2.0516 - val_auc_92: 0.5120
 Epoch 362/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5080 - auc_92:
 0.5103 - val_loss: 1.5199 - val_auc_92: 0.5050
 Epoch 363/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5807 - auc_92:
 0.5091 - val_loss: 2.4099 - val_auc_92: 0.5100
 Epoch 364/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2786 - auc_92:
 0.5077 - val_loss: 2.5162 - val_auc_92: 0.5086
 Epoch 365/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4820 - auc_92:
 0.5075 - val_loss: 1.4451 - val_auc_92: 0.5119
 Epoch 366/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0218 - auc_92:
 0.5092 - val_loss: 1.4070 - val_auc_92: 0.5054
 Epoch 367/500
 267/267 [=====] - 1s 3ms/step - loss: 1.9270 - auc_92:
 0.5100 - val_loss: 3.6409 - val_auc_92: 0.5009
 Epoch 368/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4246 - auc_92:
 0.5111 - val_loss: 1.4540 - val_auc_92: 0.5158
 Epoch 369/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1656 - auc_92:
 0.5108 - val_loss: 1.9285 - val_auc_92: 0.5144
 Epoch 370/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5354 - auc_92:
 0.5068 - val_loss: 2.9861 - val_auc_92: 0.5071
 Epoch 371/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4518 - auc_92:
 0.5087 - val_loss: 1.6634 - val_auc_92: 0.5082
 Epoch 372/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1781 - auc_92:
 0.5098 - val_loss: 2.0087 - val_auc_92: 0.5099
 Epoch 373/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0667 - auc_92:
 0.5051 - val_loss: 1.7766 - val_auc_92: 0.5112
 Epoch 374/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4527 - auc_92:
 0.5096 - val_loss: 1.4843 - val_auc_92: 0.5122
 Epoch 375/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6619 - auc_92:
 0.5064 - val_loss: 1.0914 - val_auc_92: 0.5042
 Epoch 376/500

267/267 [=====] - 1s 3ms/step - loss: 2.4730 - auc_92:
0.5060 - val_loss: 2.1945 - val_auc_92: 0.5099
Epoch 377/500
267/267 [=====] - 1s 3ms/step - loss: 2.3842 - auc_92:
0.5086 - val_loss: 2.0856 - val_auc_92: 0.4949
Epoch 378/500
267/267 [=====] - 1s 3ms/step - loss: 2.1389 - auc_92:
0.5087 - val_loss: 2.6745 - val_auc_92: 0.5115
Epoch 379/500
267/267 [=====] - 1s 3ms/step - loss: 2.3210 - auc_92:
0.5091 - val_loss: 2.2205 - val_auc_92: 0.5151
Epoch 380/500
267/267 [=====] - 1s 3ms/step - loss: 2.3817 - auc_92:
0.5076 - val_loss: 1.4514 - val_auc_92: 0.4977
Epoch 381/500
267/267 [=====] - 1s 3ms/step - loss: 2.0014 - auc_92:
0.5077 - val_loss: 2.4284 - val_auc_92: 0.5040
Epoch 382/500
267/267 [=====] - 1s 3ms/step - loss: 2.0148 - auc_92:
0.5083 - val_loss: 3.0214 - val_auc_92: 0.5124
Epoch 383/500
267/267 [=====] - 1s 3ms/step - loss: 2.2890 - auc_92:
0.5083 - val_loss: 3.3528 - val_auc_92: 0.4967
Epoch 384/500
267/267 [=====] - 1s 3ms/step - loss: 2.0698 - auc_92:
0.5094 - val_loss: 2.7426 - val_auc_92: 0.5034
Epoch 385/500
267/267 [=====] - 1s 3ms/step - loss: 2.4663 - auc_92:
0.5087 - val_loss: 1.4274 - val_auc_92: 0.5010
Epoch 386/500
267/267 [=====] - 1s 3ms/step - loss: 2.1090 - auc_92:
0.5078 - val_loss: 1.0733 - val_auc_92: 0.5069
Epoch 387/500
267/267 [=====] - 1s 3ms/step - loss: 2.6052 - auc_92:
0.5093 - val_loss: 3.9581 - val_auc_92: 0.5038
Epoch 388/500
267/267 [=====] - 1s 3ms/step - loss: 2.2852 - auc_92:
0.5108 - val_loss: 1.5095 - val_auc_92: 0.5098
Epoch 389/500
267/267 [=====] - 1s 3ms/step - loss: 2.1803 - auc_92:
0.5078 - val_loss: 2.0809 - val_auc_92: 0.5051
Epoch 390/500
267/267 [=====] - 1s 3ms/step - loss: 2.1632 - auc_92:
0.5103 - val_loss: 1.3064 - val_auc_92: 0.5153
Epoch 391/500
267/267 [=====] - 1s 3ms/step - loss: 2.0283 - auc_92:
0.5137 - val_loss: 3.0567 - val_auc_92: 0.5144
Epoch 392/500

267/267 [=====] - 1s 3ms/step - loss: 2.2091 - auc_92:
 0.5080 - val_loss: 1.5207 - val_auc_92: 0.5162
 Epoch 393/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4036 - auc_92:
 0.5088 - val_loss: 3.6593 - val_auc_92: 0.5190
 Epoch 394/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6127 - auc_92:
 0.5034 - val_loss: 1.4324 - val_auc_92: 0.5015
 Epoch 395/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1439 - auc_92:
 0.5082 - val_loss: 1.6035 - val_auc_92: 0.5046
 Epoch 396/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1466 - auc_92:
 0.5051 - val_loss: 1.3402 - val_auc_92: 0.5031
 Epoch 397/500
 267/267 [=====] - 1s 3ms/step - loss: 1.8845 - auc_92:
 0.5118 - val_loss: 2.0901 - val_auc_92: 0.4978
 Epoch 398/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0787 - auc_92:
 0.5117 - val_loss: 2.1986 - val_auc_92: 0.5090
 Epoch 399/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1980 - auc_92:
 0.5072 - val_loss: 3.0285 - val_auc_92: 0.5119
 Epoch 400/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6345 - auc_92:
 0.5069 - val_loss: 1.2009 - val_auc_92: 0.4976
 Epoch 401/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1583 - auc_92:
 0.5076 - val_loss: 2.3809 - val_auc_92: 0.5035
 Epoch 402/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2736 - auc_92:
 0.5079 - val_loss: 2.3694 - val_auc_92: 0.5128
 Epoch 403/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3411 - auc_92:
 0.5091 - val_loss: 3.0768 - val_auc_92: 0.5153
 Epoch 404/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2857 - auc_92:
 0.5076 - val_loss: 1.2597 - val_auc_92: 0.5040
 Epoch 405/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3151 - auc_92:
 0.5076 - val_loss: 3.2788 - val_auc_92: 0.5108
 Epoch 406/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4387 - auc_92:
 0.5096 - val_loss: 1.8132 - val_auc_92: 0.5095
 Epoch 407/500
 267/267 [=====] - 1s 3ms/step - loss: 1.9155 - auc_92:
 0.5111 - val_loss: 2.0101 - val_auc_92: 0.5121
 Epoch 408/500

267/267 [=====] - 1s 3ms/step - loss: 2.4442 - auc_92:
0.5077 - val_loss: 3.2017 - val_auc_92: 0.5044
Epoch 409/500
267/267 [=====] - 1s 3ms/step - loss: 2.3501 - auc_92:
0.5039 - val_loss: 2.1636 - val_auc_92: 0.5108
Epoch 410/500
267/267 [=====] - 1s 3ms/step - loss: 2.1496 - auc_92:
0.5106 - val_loss: 1.8641 - val_auc_92: 0.5087
Epoch 411/500
267/267 [=====] - 1s 3ms/step - loss: 2.3784 - auc_92:
0.5100 - val_loss: 4.1126 - val_auc_92: 0.5060
Epoch 412/500
267/267 [=====] - 1s 3ms/step - loss: 2.7202 - auc_92:
0.5106 - val_loss: 2.2730 - val_auc_92: 0.4994
Epoch 413/500
267/267 [=====] - 1s 3ms/step - loss: 2.1660 - auc_92:
0.5060 - val_loss: 1.8423 - val_auc_92: 0.5158
Epoch 414/500
267/267 [=====] - 1s 3ms/step - loss: 2.4021 - auc_92:
0.5105 - val_loss: 2.1224 - val_auc_92: 0.5000
Epoch 415/500
267/267 [=====] - 1s 3ms/step - loss: 2.4832 - auc_92:
0.5072 - val_loss: 2.5788 - val_auc_92: 0.5040
Epoch 416/500
267/267 [=====] - 1s 3ms/step - loss: 2.5961 - auc_92:
0.5078 - val_loss: 1.7554 - val_auc_92: 0.5013
Epoch 417/500
267/267 [=====] - 1s 3ms/step - loss: 2.3929 - auc_92:
0.5067 - val_loss: 1.3846 - val_auc_92: 0.5109
Epoch 418/500
267/267 [=====] - 1s 3ms/step - loss: 2.7422 - auc_92:
0.5078 - val_loss: 2.3256 - val_auc_92: 0.5005
Epoch 419/500
267/267 [=====] - 1s 3ms/step - loss: 2.2675 - auc_92:
0.5104 - val_loss: 1.6312 - val_auc_92: 0.5038
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 2.2444 - auc_92:
0.5075 - val_loss: 2.7272 - val_auc_92: 0.5137
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 2.2754 - auc_92:
0.5094 - val_loss: 2.6650 - val_auc_92: 0.5101
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 2.3951 - auc_92:
0.5085 - val_loss: 3.6443 - val_auc_92: 0.5041
Epoch 423/500
267/267 [=====] - 1s 3ms/step - loss: 2.2348 - auc_92:
0.5068 - val_loss: 1.3129 - val_auc_92: 0.5111
Epoch 424/500

267/267 [=====] - 1s 3ms/step - loss: 2.4113 - auc_92:
0.5120 - val_loss: 1.6843 - val_auc_92: 0.5051
Epoch 425/500
267/267 [=====] - 1s 3ms/step - loss: 2.1916 - auc_92:
0.5100 - val_loss: 2.1180 - val_auc_92: 0.4987
Epoch 426/500
267/267 [=====] - 1s 3ms/step - loss: 2.3574 - auc_92:
0.5087 - val_loss: 2.3919 - val_auc_92: 0.5134
Epoch 427/500
267/267 [=====] - 1s 3ms/step - loss: 2.5892 - auc_92:
0.5042 - val_loss: 2.0085 - val_auc_92: 0.5145
Epoch 428/500
267/267 [=====] - 1s 3ms/step - loss: 2.3223 - auc_92:
0.5084 - val_loss: 2.6274 - val_auc_92: 0.5110
Epoch 429/500
267/267 [=====] - 1s 3ms/step - loss: 2.1789 - auc_92:
0.5082 - val_loss: 2.3719 - val_auc_92: 0.5121
Epoch 430/500
267/267 [=====] - 1s 3ms/step - loss: 2.2309 - auc_92:
0.5084 - val_loss: 1.4808 - val_auc_92: 0.5089
Epoch 431/500
267/267 [=====] - 1s 3ms/step - loss: 2.1589 - auc_92:
0.5057 - val_loss: 3.0456 - val_auc_92: 0.5009
Epoch 432/500
267/267 [=====] - 1s 3ms/step - loss: 2.0732 - auc_92:
0.5063 - val_loss: 3.9280 - val_auc_92: 0.5082
Epoch 433/500
267/267 [=====] - 1s 3ms/step - loss: 2.2409 - auc_92:
0.5110 - val_loss: 2.3754 - val_auc_92: 0.5036
Epoch 434/500
267/267 [=====] - 1s 3ms/step - loss: 2.2680 - auc_92:
0.5062 - val_loss: 2.7689 - val_auc_92: 0.5022
Epoch 435/500
267/267 [=====] - 1s 3ms/step - loss: 2.1906 - auc_92:
0.5098 - val_loss: 2.6096 - val_auc_92: 0.5028
Epoch 436/500
267/267 [=====] - 1s 3ms/step - loss: 2.3133 - auc_92:
0.5101 - val_loss: 1.1970 - val_auc_92: 0.5018
Epoch 437/500
267/267 [=====] - 1s 3ms/step - loss: 2.3682 - auc_92:
0.5095 - val_loss: 3.7315 - val_auc_92: 0.5028
Epoch 438/500
267/267 [=====] - 1s 3ms/step - loss: 2.7667 - auc_92:
0.5062 - val_loss: 3.3900 - val_auc_92: 0.5046
Epoch 439/500
267/267 [=====] - 1s 3ms/step - loss: 2.0871 - auc_92:
0.5080 - val_loss: 1.4155 - val_auc_92: 0.5012
Epoch 440/500

267/267 [=====] - 1s 3ms/step - loss: 2.1434 - auc_92:
0.5117 - val_loss: 2.3334 - val_auc_92: 0.5095
Epoch 441/500
267/267 [=====] - 1s 3ms/step - loss: 2.3722 - auc_92:
0.5071 - val_loss: 2.3590 - val_auc_92: 0.5095
Epoch 442/500
267/267 [=====] - 1s 3ms/step - loss: 2.4208 - auc_92:
0.5056 - val_loss: 1.9898 - val_auc_92: 0.5044
Epoch 443/500
267/267 [=====] - 1s 3ms/step - loss: 2.0896 - auc_92:
0.5122 - val_loss: 3.6568 - val_auc_92: 0.5079
Epoch 444/500
267/267 [=====] - 1s 3ms/step - loss: 2.0342 - auc_92:
0.5107 - val_loss: 3.1797 - val_auc_92: 0.5066
Epoch 445/500
267/267 [=====] - 1s 3ms/step - loss: 2.3717 - auc_92:
0.5110 - val_loss: 1.5805 - val_auc_92: 0.5089
Epoch 446/500
267/267 [=====] - 1s 3ms/step - loss: 2.4988 - auc_92:
0.5112 - val_loss: 1.9601 - val_auc_92: 0.4980
Epoch 447/500
267/267 [=====] - 1s 3ms/step - loss: 2.3231 - auc_92:
0.5065 - val_loss: 2.0474 - val_auc_92: 0.5061
Epoch 448/500
267/267 [=====] - 1s 3ms/step - loss: 2.3286 - auc_92:
0.5077 - val_loss: 2.5772 - val_auc_92: 0.5076
Epoch 449/500
267/267 [=====] - 1s 3ms/step - loss: 2.1176 - auc_92:
0.5104 - val_loss: 1.6933 - val_auc_92: 0.5115
Epoch 450/500
267/267 [=====] - 1s 3ms/step - loss: 2.3977 - auc_92:
0.5068 - val_loss: 1.2870 - val_auc_92: 0.5175
Epoch 451/500
267/267 [=====] - 1s 3ms/step - loss: 2.0737 - auc_92:
0.5100 - val_loss: 1.9108 - val_auc_92: 0.5038
Epoch 452/500
267/267 [=====] - 1s 3ms/step - loss: 2.3091 - auc_92:
0.5096 - val_loss: 1.7759 - val_auc_92: 0.5044
Epoch 453/500
267/267 [=====] - 1s 3ms/step - loss: 2.4092 - auc_92:
0.5097 - val_loss: 2.8891 - val_auc_92: 0.5079
Epoch 454/500
267/267 [=====] - 1s 3ms/step - loss: 2.6928 - auc_92:
0.5042 - val_loss: 3.8237 - val_auc_92: 0.5026
Epoch 455/500
267/267 [=====] - 1s 3ms/step - loss: 2.3698 - auc_92:
0.5083 - val_loss: 1.9302 - val_auc_92: 0.5073
Epoch 456/500

267/267 [=====] - 1s 3ms/step - loss: 2.1843 - auc_92:
0.5103 - val_loss: 2.9947 - val_auc_92: 0.5091
Epoch 457/500
267/267 [=====] - 1s 3ms/step - loss: 2.0818 - auc_92:
0.5088 - val_loss: 1.9660 - val_auc_92: 0.5015
Epoch 458/500
267/267 [=====] - 1s 3ms/step - loss: 2.3972 - auc_92:
0.5058 - val_loss: 4.9358 - val_auc_92: 0.4976
Epoch 459/500
267/267 [=====] - 1s 3ms/step - loss: 2.1574 - auc_92:
0.5096 - val_loss: 2.1417 - val_auc_92: 0.5056
Epoch 460/500
267/267 [=====] - 1s 3ms/step - loss: 2.4581 - auc_92:
0.5086 - val_loss: 1.1766 - val_auc_92: 0.5104
Epoch 461/500
267/267 [=====] - 1s 3ms/step - loss: 2.3789 - auc_92:
0.5073 - val_loss: 2.5350 - val_auc_92: 0.5058
Epoch 462/500
267/267 [=====] - 1s 3ms/step - loss: 2.2882 - auc_92:
0.5101 - val_loss: 2.7062 - val_auc_92: 0.5112
Epoch 463/500
267/267 [=====] - 1s 3ms/step - loss: 2.4077 - auc_92:
0.5062 - val_loss: 2.0009 - val_auc_92: 0.5164
Epoch 464/500
267/267 [=====] - 1s 3ms/step - loss: 2.3481 - auc_92:
0.5098 - val_loss: 2.2101 - val_auc_92: 0.4879
Epoch 465/500
267/267 [=====] - 1s 3ms/step - loss: 2.6024 - auc_92:
0.5055 - val_loss: 3.5096 - val_auc_92: 0.5111
Epoch 466/500
267/267 [=====] - 1s 3ms/step - loss: 2.5370 - auc_92:
0.5084 - val_loss: 3.2598 - val_auc_92: 0.5097
Epoch 467/500
267/267 [=====] - 1s 3ms/step - loss: 2.5603 - auc_92:
0.5049 - val_loss: 2.5666 - val_auc_92: 0.4974
Epoch 468/500
267/267 [=====] - 1s 3ms/step - loss: 2.4362 - auc_92:
0.5057 - val_loss: 2.2522 - val_auc_92: 0.5142
Epoch 469/500
267/267 [=====] - 1s 3ms/step - loss: 2.9358 - auc_92:
0.5054 - val_loss: 1.4978 - val_auc_92: 0.5053
Epoch 470/500
267/267 [=====] - 1s 3ms/step - loss: 2.4017 - auc_92:
0.5070 - val_loss: 1.6701 - val_auc_92: 0.5161
Epoch 471/500
267/267 [=====] - 1s 3ms/step - loss: 2.5399 - auc_92:
0.5081 - val_loss: 1.6365 - val_auc_92: 0.5049
Epoch 472/500

267/267 [=====] - 1s 3ms/step - loss: 2.2719 - auc_92:
0.5084 - val_loss: 1.4469 - val_auc_92: 0.5079
Epoch 473/500
267/267 [=====] - 1s 3ms/step - loss: 2.1916 - auc_92:
0.5096 - val_loss: 1.8398 - val_auc_92: 0.5028
Epoch 474/500
267/267 [=====] - 1s 3ms/step - loss: 2.2816 - auc_92:
0.5067 - val_loss: 4.2451 - val_auc_92: 0.5078
Epoch 475/500
267/267 [=====] - 1s 3ms/step - loss: 2.7477 - auc_92:
0.5060 - val_loss: 2.1281 - val_auc_92: 0.5010
Epoch 476/500
267/267 [=====] - 1s 3ms/step - loss: 2.1752 - auc_92:
0.5088 - val_loss: 3.3480 - val_auc_92: 0.5158
Epoch 477/500
267/267 [=====] - 1s 3ms/step - loss: 2.5267 - auc_92:
0.5037 - val_loss: 3.3071 - val_auc_92: 0.5005
Epoch 478/500
267/267 [=====] - 1s 3ms/step - loss: 2.2549 - auc_92:
0.5068 - val_loss: 3.9504 - val_auc_92: 0.5030
Epoch 479/500
267/267 [=====] - 1s 3ms/step - loss: 2.1983 - auc_92:
0.5091 - val_loss: 2.0417 - val_auc_92: 0.5062
Epoch 480/500
267/267 [=====] - 1s 3ms/step - loss: 2.2670 - auc_92:
0.5074 - val_loss: 2.2095 - val_auc_92: 0.5070
Epoch 481/500
267/267 [=====] - 1s 3ms/step - loss: 2.1065 - auc_92:
0.5098 - val_loss: 1.5328 - val_auc_92: 0.4997
Epoch 482/500
267/267 [=====] - 1s 3ms/step - loss: 2.4735 - auc_92:
0.5042 - val_loss: 3.2980 - val_auc_92: 0.4940
Epoch 483/500
267/267 [=====] - 1s 3ms/step - loss: 2.4703 - auc_92:
0.5091 - val_loss: 2.3601 - val_auc_92: 0.5029
Epoch 484/500
267/267 [=====] - 1s 3ms/step - loss: 2.6296 - auc_92:
0.5103 - val_loss: 2.7271 - val_auc_92: 0.5014
Epoch 485/500
267/267 [=====] - 1s 3ms/step - loss: 2.2841 - auc_92:
0.5068 - val_loss: 1.4016 - val_auc_92: 0.5075
Epoch 486/500
267/267 [=====] - 1s 3ms/step - loss: 2.6256 - auc_92:
0.5086 - val_loss: 1.1293 - val_auc_92: 0.5123
Epoch 487/500
267/267 [=====] - 1s 3ms/step - loss: 2.3625 - auc_92:
0.5083 - val_loss: 1.7937 - val_auc_92: 0.5046
Epoch 488/500

```

267/267 [=====] - 1s 3ms/step - loss: 2.7327 - auc_92:
0.5098 - val_loss: 1.3295 - val_auc_92: 0.5122
Epoch 489/500
267/267 [=====] - 1s 3ms/step - loss: 2.0914 - auc_92:
0.5081 - val_loss: 3.1849 - val_auc_92: 0.4921
Epoch 490/500
267/267 [=====] - 1s 3ms/step - loss: 2.3205 - auc_92:
0.5078 - val_loss: 2.4377 - val_auc_92: 0.5060
Epoch 491/500
267/267 [=====] - 1s 3ms/step - loss: 2.4832 - auc_92:
0.5081 - val_loss: 3.5307 - val_auc_92: 0.5042
Epoch 492/500
267/267 [=====] - 1s 3ms/step - loss: 2.3094 - auc_92:
0.5068 - val_loss: 2.3686 - val_auc_92: 0.5107
Epoch 493/500
267/267 [=====] - 1s 3ms/step - loss: 2.6553 - auc_92:
0.5065 - val_loss: 2.4614 - val_auc_92: 0.5076
Epoch 494/500
267/267 [=====] - 1s 3ms/step - loss: 2.3262 - auc_92:
0.5043 - val_loss: 1.2361 - val_auc_92: 0.5086
Epoch 495/500
267/267 [=====] - 1s 3ms/step - loss: 2.3547 - auc_92:
0.5062 - val_loss: 1.4129 - val_auc_92: 0.5036
Epoch 496/500
267/267 [=====] - 1s 3ms/step - loss: 2.1694 - auc_92:
0.5080 - val_loss: 1.6044 - val_auc_92: 0.5118
Epoch 497/500
267/267 [=====] - 1s 3ms/step - loss: 2.4156 - auc_92:
0.5061 - val_loss: 1.8160 - val_auc_92: 0.5105
Epoch 498/500
267/267 [=====] - 1s 3ms/step - loss: 2.2280 - auc_92:
0.5106 - val_loss: 2.2589 - val_auc_92: 0.5091
Epoch 499/500
267/267 [=====] - 1s 3ms/step - loss: 2.5239 - auc_92:
0.5075 - val_loss: 2.6779 - val_auc_92: 0.5113
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 2.1937 - auc_92:
0.5073 - val_loss: 2.3932 - val_auc_92: 0.4968
1/625 [...] - ETA: 0sWARNING:tensorflow:Callbacks
method `on_predict_batch_end` is slow compared to the batch time (batch time:
0.0000s vs `on_predict_batch_end` time: 0.0010s). Check your callbacks.
625/625 [=====] - 0s 636us/step
[CV] ... epochs=500, learning_rate=0.01, score=0.506, total= 6.4min
[CV] epochs=500, learning_rate=0.01 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 4.1375 - auc_93:
0.5044 - val_loss: 1.9290 - val_auc_93: 0.5031
Epoch 2/500

```

267/267 [=====] - 1s 3ms/step - loss: 2.1906 - auc_93:
0.5080 - val_loss: 5.0875 - val_auc_93: 0.5088
Epoch 3/500
267/267 [=====] - 1s 3ms/step - loss: 2.8788 - auc_93:
0.5084 - val_loss: 2.0690 - val_auc_93: 0.5038
Epoch 4/500
267/267 [=====] - 1s 3ms/step - loss: 2.4558 - auc_93:
0.5072 - val_loss: 1.7963 - val_auc_93: 0.5013
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 2.6695 - auc_93:
0.5059 - val_loss: 2.5943 - val_auc_93: 0.5030
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 2.3439 - auc_93:
0.5072 - val_loss: 3.3206 - val_auc_93: 0.5041
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 2.2105 - auc_93:
0.5093 - val_loss: 2.8322 - val_auc_93: 0.5082
Epoch 8/500
267/267 [=====] - 1s 3ms/step - loss: 2.1463 - auc_93:
0.5066 - val_loss: 3.5188 - val_auc_93: 0.5023
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 2.5467 - auc_93:
0.5089 - val_loss: 1.7481 - val_auc_93: 0.5004
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 2.0573 - auc_93:
0.5089 - val_loss: 1.9175 - val_auc_93: 0.5040
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 2.0428 - auc_93:
0.5097 - val_loss: 3.8484 - val_auc_93: 0.5051
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 2.4425 - auc_93:
0.5050 - val_loss: 3.2526 - val_auc_93: 0.5024
Epoch 13/500
267/267 [=====] - 1s 3ms/step - loss: 2.9920 - auc_93:
0.5069 - val_loss: 3.9423 - val_auc_93: 0.5068
Epoch 14/500
267/267 [=====] - 1s 3ms/step - loss: 2.2542 - auc_93:
0.5082 - val_loss: 2.8671 - val_auc_93: 0.5001
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 2.6045 - auc_93:
0.5082 - val_loss: 2.7218 - val_auc_93: 0.4965
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 2.4269 - auc_93:
0.5059 - val_loss: 2.4092 - val_auc_93: 0.5067
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 2.1919 - auc_93:
0.5094 - val_loss: 1.9852 - val_auc_93: 0.4987
Epoch 18/500

267/267 [=====] - 1s 3ms/step - loss: 2.1474 - auc_93:
 0.5112 - val_loss: 4.9360 - val_auc_93: 0.4961
 Epoch 19/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5686 - auc_93:
 0.5092 - val_loss: 3.0720 - val_auc_93: 0.5028
 Epoch 20/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5751 - auc_93:
 0.5097 - val_loss: 2.9693 - val_auc_93: 0.5133
 Epoch 21/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3680 - auc_93:
 0.5096 - val_loss: 2.5925 - val_auc_93: 0.5031
 Epoch 22/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6135 - auc_93:
 0.5061 - val_loss: 1.3160 - val_auc_93: 0.5008
 Epoch 23/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2972 - auc_93:
 0.5051 - val_loss: 2.7076 - val_auc_93: 0.5137
 Epoch 24/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5826 - auc_93:
 0.5109 - val_loss: 4.6132 - val_auc_93: 0.5024
 Epoch 25/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1288 - auc_93:
 0.5105 - val_loss: 2.4689 - val_auc_93: 0.4935
 Epoch 26/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2222 - auc_93:
 0.5098 - val_loss: 2.4015 - val_auc_93: 0.5016
 Epoch 27/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2729 - auc_93:
 0.5089 - val_loss: 2.2881 - val_auc_93: 0.5092
 Epoch 28/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2108 - auc_93:
 0.5139 - val_loss: 3.2311 - val_auc_93: 0.5100
 Epoch 29/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1226 - auc_93:
 0.5065 - val_loss: 2.3128 - val_auc_93: 0.4981
 Epoch 30/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4971 - auc_93:
 0.5086 - val_loss: 1.4383 - val_auc_93: 0.5121
 Epoch 31/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0606 - auc_93:
 0.5114 - val_loss: 1.2453 - val_auc_93: 0.5106
 Epoch 32/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2856 - auc_93:
 0.5037 - val_loss: 1.4198 - val_auc_93: 0.5069
 Epoch 33/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2918 - auc_93:
 0.5081 - val_loss: 1.6136 - val_auc_93: 0.5056
 Epoch 34/500

267/267 [=====] - 1s 3ms/step - loss: 2.5423 - auc_93:
0.5062 - val_loss: 1.8886 - val_auc_93: 0.5021
Epoch 35/500
267/267 [=====] - 1s 3ms/step - loss: 2.2198 - auc_93:
0.5084 - val_loss: 1.3957 - val_auc_93: 0.5091
Epoch 36/500
267/267 [=====] - 1s 3ms/step - loss: 2.0884 - auc_93:
0.5080 - val_loss: 2.2934 - val_auc_93: 0.5087
Epoch 37/500
267/267 [=====] - 1s 3ms/step - loss: 2.0644 - auc_93:
0.5095 - val_loss: 1.8485 - val_auc_93: 0.5125
Epoch 38/500
267/267 [=====] - 1s 3ms/step - loss: 2.9006 - auc_93:
0.5084 - val_loss: 5.0884 - val_auc_93: 0.4973
Epoch 39/500
267/267 [=====] - 1s 3ms/step - loss: 2.6077 - auc_93:
0.5065 - val_loss: 1.0586 - val_auc_93: 0.5092
Epoch 40/500
267/267 [=====] - 1s 3ms/step - loss: 2.6137 - auc_93:
0.5078 - val_loss: 3.4075 - val_auc_93: 0.5081
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 2.0538 - auc_93:
0.5078 - val_loss: 1.6215 - val_auc_93: 0.5075
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 2.4562 - auc_93:
0.5072 - val_loss: 2.4075 - val_auc_93: 0.5123
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 2.2617 - auc_93:
0.5087 - val_loss: 1.5690 - val_auc_93: 0.4952
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 2.3708 - auc_93:
0.5090 - val_loss: 1.7955 - val_auc_93: 0.4944
Epoch 45/500
267/267 [=====] - 1s 3ms/step - loss: 2.2476 - auc_93:
0.5085 - val_loss: 3.0617 - val_auc_93: 0.5047
Epoch 46/500
267/267 [=====] - 1s 3ms/step - loss: 2.0899 - auc_93:
0.5074 - val_loss: 1.7079 - val_auc_93: 0.5017
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 2.4863 - auc_93:
0.5075 - val_loss: 3.2511 - val_auc_93: 0.5063
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 2.6584 - auc_93:
0.5048 - val_loss: 1.5889 - val_auc_93: 0.5083
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 3.2070 - auc_93:
0.5057 - val_loss: 1.2196 - val_auc_93: 0.5063
Epoch 50/500

267/267 [=====] - 1s 3ms/step - loss: 2.4374 - auc_93:
 0.5072 - val_loss: 2.0782 - val_auc_93: 0.5036
 Epoch 51/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2534 - auc_93:
 0.5063 - val_loss: 2.1232 - val_auc_93: 0.4965
 Epoch 52/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1971 - auc_93:
 0.5100 - val_loss: 2.0784 - val_auc_93: 0.5117
 Epoch 53/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0089 - auc_93:
 0.5092 - val_loss: 2.0498 - val_auc_93: 0.4972
 Epoch 54/500
 267/267 [=====] - 1s 3ms/step - loss: 2.9504 - auc_93:
 0.5086 - val_loss: 4.9752 - val_auc_93: 0.5107
 Epoch 55/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5482 - auc_93:
 0.5084 - val_loss: 2.6539 - val_auc_93: 0.5117
 Epoch 56/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5314 - auc_93:
 0.5076 - val_loss: 2.3094 - val_auc_93: 0.5053
 Epoch 57/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4734 - auc_93:
 0.5053 - val_loss: 3.4323 - val_auc_93: 0.4947
 Epoch 58/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2416 - auc_93:
 0.5031 - val_loss: 1.7045 - val_auc_93: 0.5082
 Epoch 59/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5540 - auc_93:
 0.5062 - val_loss: 1.2389 - val_auc_93: 0.5134
 Epoch 60/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5804 - auc_93:
 0.5070 - val_loss: 1.5956 - val_auc_93: 0.5124
 Epoch 61/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2377 - auc_93:
 0.5082 - val_loss: 2.6818 - val_auc_93: 0.5059
 Epoch 62/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2937 - auc_93:
 0.5077 - val_loss: 1.5408 - val_auc_93: 0.5052
 Epoch 63/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4455 - auc_93:
 0.5082 - val_loss: 2.5514 - val_auc_93: 0.4990
 Epoch 64/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3003 - auc_93:
 0.5099 - val_loss: 2.4934 - val_auc_93: 0.5072
 Epoch 65/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6874 - auc_93:
 0.5076 - val_loss: 1.3370 - val_auc_93: 0.5117
 Epoch 66/500

267/267 [=====] - 1s 3ms/step - loss: 2.1173 - auc_93:
0.5090 - val_loss: 2.7811 - val_auc_93: 0.4973
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 2.4799 - auc_93:
0.5081 - val_loss: 2.4082 - val_auc_93: 0.5092
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 2.7676 - auc_93:
0.5075 - val_loss: 2.1747 - val_auc_93: 0.5035
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 2.2483 - auc_93:
0.5083 - val_loss: 3.1065 - val_auc_93: 0.5002
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 2.7749 - auc_93:
0.5091 - val_loss: 1.3337 - val_auc_93: 0.5088
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 2.3320 - auc_93:
0.5094 - val_loss: 2.4923 - val_auc_93: 0.4963
Epoch 72/500
267/267 [=====] - 1s 3ms/step - loss: 2.1021 - auc_93:
0.5127 - val_loss: 1.3339 - val_auc_93: 0.4929
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 1.9209 - auc_93:
0.5088 - val_loss: 2.0431 - val_auc_93: 0.5053
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 2.3533 - auc_93:
0.5101 - val_loss: 3.3667 - val_auc_93: 0.5117
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 2.4040 - auc_93:
0.5063 - val_loss: 3.5820 - val_auc_93: 0.5043
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 2.1324 - auc_93:
0.5090 - val_loss: 1.1019 - val_auc_93: 0.5007
Epoch 77/500
267/267 [=====] - 1s 3ms/step - loss: 2.1670 - auc_93:
0.5114 - val_loss: 3.0309 - val_auc_93: 0.4937
Epoch 78/500
267/267 [=====] - 1s 3ms/step - loss: 2.9929 - auc_93:
0.5109 - val_loss: 3.8405 - val_auc_93: 0.4979
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 2.9418 - auc_93:
0.5091 - val_loss: 2.1495 - val_auc_93: 0.5131
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 2.2111 - auc_93:
0.5080 - val_loss: 2.7482 - val_auc_93: 0.5037
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 2.0282 - auc_93:
0.5090 - val_loss: 3.1501 - val_auc_93: 0.4911
Epoch 82/500

267/267 [=====] - 1s 3ms/step - loss: 2.2890 - auc_93:
0.5057 - val_loss: 2.0609 - val_auc_93: 0.4981
Epoch 83/500
267/267 [=====] - 1s 3ms/step - loss: 2.6614 - auc_93:
0.5103 - val_loss: 3.0519 - val_auc_93: 0.5139
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 2.1837 - auc_93:
0.5073 - val_loss: 2.5298 - val_auc_93: 0.5047
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 2.5280 - auc_93:
0.5098 - val_loss: 3.4573 - val_auc_93: 0.4892
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 2.5830 - auc_93:
0.5119 - val_loss: 2.5422 - val_auc_93: 0.5148
Epoch 87/500
267/267 [=====] - 1s 3ms/step - loss: 2.2577 - auc_93:
0.5082 - val_loss: 2.4184 - val_auc_93: 0.5168
Epoch 88/500
267/267 [=====] - 1s 3ms/step - loss: 2.5758 - auc_93:
0.5077 - val_loss: 2.8326 - val_auc_93: 0.4949
Epoch 89/500
267/267 [=====] - 1s 3ms/step - loss: 2.7990 - auc_93:
0.5078 - val_loss: 1.8138 - val_auc_93: 0.4997
Epoch 90/500
267/267 [=====] - 1s 3ms/step - loss: 2.6747 - auc_93:
0.5068 - val_loss: 2.3575 - val_auc_93: 0.5129
Epoch 91/500
267/267 [=====] - 1s 3ms/step - loss: 2.4801 - auc_93:
0.5075 - val_loss: 1.0899 - val_auc_93: 0.5151
Epoch 92/500
267/267 [=====] - 1s 3ms/step - loss: 2.1753 - auc_93:
0.5075 - val_loss: 1.1703 - val_auc_93: 0.4952
Epoch 93/500
267/267 [=====] - 1s 3ms/step - loss: 2.2376 - auc_93:
0.5103 - val_loss: 2.0872 - val_auc_93: 0.5162
Epoch 94/500
267/267 [=====] - 1s 3ms/step - loss: 2.2109 - auc_93:
0.5072 - val_loss: 2.1874 - val_auc_93: 0.5069
Epoch 95/500
267/267 [=====] - 1s 3ms/step - loss: 1.9119 - auc_93:
0.5068 - val_loss: 1.8362 - val_auc_93: 0.5074
Epoch 96/500
267/267 [=====] - 1s 3ms/step - loss: 2.2165 - auc_93:
0.5111 - val_loss: 2.3348 - val_auc_93: 0.4993
Epoch 97/500
267/267 [=====] - 1s 3ms/step - loss: 2.5601 - auc_93:
0.5097 - val_loss: 1.6259 - val_auc_93: 0.5055
Epoch 98/500

267/267 [=====] - 1s 3ms/step - loss: 2.6623 - auc_93:
0.5035 - val_loss: 1.3725 - val_auc_93: 0.5051
Epoch 99/500
267/267 [=====] - 1s 3ms/step - loss: 2.2763 - auc_93:
0.5134 - val_loss: 3.0370 - val_auc_93: 0.5189
Epoch 100/500
267/267 [=====] - 1s 3ms/step - loss: 2.4586 - auc_93:
0.5093 - val_loss: 2.5140 - val_auc_93: 0.5055
Epoch 101/500
267/267 [=====] - 1s 3ms/step - loss: 2.6747 - auc_93:
0.5103 - val_loss: 1.8033 - val_auc_93: 0.5088
Epoch 102/500
267/267 [=====] - 1s 3ms/step - loss: 2.4316 - auc_93:
0.5088 - val_loss: 3.0567 - val_auc_93: 0.5021
Epoch 103/500
267/267 [=====] - 1s 3ms/step - loss: 2.2614 - auc_93:
0.5060 - val_loss: 2.5438 - val_auc_93: 0.5042
Epoch 104/500
267/267 [=====] - 1s 3ms/step - loss: 2.2960 - auc_93:
0.5065 - val_loss: 2.9636 - val_auc_93: 0.5072
Epoch 105/500
267/267 [=====] - 1s 3ms/step - loss: 2.1377 - auc_93:
0.5104 - val_loss: 1.9238 - val_auc_93: 0.5003
Epoch 106/500
267/267 [=====] - 1s 3ms/step - loss: 2.0546 - auc_93:
0.5105 - val_loss: 1.6607 - val_auc_93: 0.4998
Epoch 107/500
267/267 [=====] - 1s 3ms/step - loss: 1.9498 - auc_93:
0.5104 - val_loss: 1.4716 - val_auc_93: 0.5125
Epoch 108/500
267/267 [=====] - 1s 3ms/step - loss: 2.5457 - auc_93:
0.5055 - val_loss: 1.6428 - val_auc_93: 0.5090
Epoch 109/500
267/267 [=====] - 1s 3ms/step - loss: 2.5087 - auc_93:
0.5083 - val_loss: 1.5365 - val_auc_93: 0.5013
Epoch 110/500
267/267 [=====] - 1s 3ms/step - loss: 2.0554 - auc_93:
0.5131 - val_loss: 1.2512 - val_auc_93: 0.5120
Epoch 111/500
267/267 [=====] - 1s 3ms/step - loss: 1.9377 - auc_93:
0.5081 - val_loss: 2.5366 - val_auc_93: 0.5066
Epoch 112/500
267/267 [=====] - 1s 3ms/step - loss: 2.5038 - auc_93:
0.5070 - val_loss: 1.5533 - val_auc_93: 0.5030
Epoch 113/500
267/267 [=====] - 1s 3ms/step - loss: 2.4163 - auc_93:
0.5103 - val_loss: 2.5310 - val_auc_93: 0.4876
Epoch 114/500

267/267 [=====] - 1s 3ms/step - loss: 2.5975 - auc_93:
0.5086 - val_loss: 1.4776 - val_auc_93: 0.5166
Epoch 115/500
267/267 [=====] - 1s 3ms/step - loss: 2.3083 - auc_93:
0.5093 - val_loss: 2.1446 - val_auc_93: 0.4949
Epoch 116/500
267/267 [=====] - 1s 3ms/step - loss: 2.0552 - auc_93:
0.5091 - val_loss: 1.3515 - val_auc_93: 0.4985
Epoch 117/500
267/267 [=====] - 1s 3ms/step - loss: 2.4737 - auc_93:
0.5089 - val_loss: 1.3847 - val_auc_93: 0.4973
Epoch 118/500
267/267 [=====] - 1s 3ms/step - loss: 2.3855 - auc_93:
0.5066 - val_loss: 1.9888 - val_auc_93: 0.5138
Epoch 119/500
267/267 [=====] - 1s 3ms/step - loss: 2.1705 - auc_93:
0.5065 - val_loss: 1.5392 - val_auc_93: 0.5159
Epoch 120/500
267/267 [=====] - 1s 3ms/step - loss: 2.5229 - auc_93:
0.5070 - val_loss: 1.1363 - val_auc_93: 0.5082
Epoch 121/500
267/267 [=====] - 1s 3ms/step - loss: 2.2848 - auc_93:
0.5105 - val_loss: 2.7259 - val_auc_93: 0.5114
Epoch 122/500
267/267 [=====] - 1s 3ms/step - loss: 2.1611 - auc_93:
0.5070 - val_loss: 1.6993 - val_auc_93: 0.4968
Epoch 123/500
267/267 [=====] - 1s 3ms/step - loss: 2.2718 - auc_93:
0.5086 - val_loss: 3.5975 - val_auc_93: 0.5041
Epoch 124/500
267/267 [=====] - 1s 3ms/step - loss: 2.6550 - auc_93:
0.5074 - val_loss: 2.5038 - val_auc_93: 0.5055
Epoch 125/500
267/267 [=====] - 1s 3ms/step - loss: 2.6137 - auc_93:
0.5057 - val_loss: 1.3359 - val_auc_93: 0.5123
Epoch 126/500
267/267 [=====] - 1s 3ms/step - loss: 2.3058 - auc_93:
0.5080 - val_loss: 3.9817 - val_auc_93: 0.5004
Epoch 127/500
267/267 [=====] - 1s 3ms/step - loss: 2.5946 - auc_93:
0.5097 - val_loss: 3.8664 - val_auc_93: 0.5021
Epoch 128/500
267/267 [=====] - 1s 3ms/step - loss: 1.9778 - auc_93:
0.5108 - val_loss: 3.7627 - val_auc_93: 0.5103
Epoch 129/500
267/267 [=====] - 1s 3ms/step - loss: 2.7208 - auc_93:
0.5071 - val_loss: 2.2142 - val_auc_93: 0.4979
Epoch 130/500

267/267 [=====] - 1s 3ms/step - loss: 2.6995 - auc_93:
0.5047 - val_loss: 1.5388 - val_auc_93: 0.5026
Epoch 131/500
267/267 [=====] - 1s 3ms/step - loss: 2.4668 - auc_93:
0.5115 - val_loss: 2.0898 - val_auc_93: 0.5102
Epoch 132/500
267/267 [=====] - 1s 3ms/step - loss: 2.3565 - auc_93:
0.5062 - val_loss: 1.5406 - val_auc_93: 0.5124
Epoch 133/500
267/267 [=====] - 1s 3ms/step - loss: 2.3542 - auc_93:
0.5066 - val_loss: 4.3685 - val_auc_93: 0.5077
Epoch 134/500
267/267 [=====] - 1s 3ms/step - loss: 2.3858 - auc_93:
0.5090 - val_loss: 1.7466 - val_auc_93: 0.5112
Epoch 135/500
267/267 [=====] - 1s 3ms/step - loss: 2.1756 - auc_93:
0.5045 - val_loss: 1.4752 - val_auc_93: 0.5032
Epoch 136/500
267/267 [=====] - 1s 3ms/step - loss: 2.2122 - auc_93:
0.5097 - val_loss: 2.7403 - val_auc_93: 0.4950
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 2.1551 - auc_93:
0.5097 - val_loss: 2.7358 - val_auc_93: 0.5165
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 1.9930 - auc_93:
0.5095 - val_loss: 1.3652 - val_auc_93: 0.5104
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 2.7211 - auc_93:
0.5057 - val_loss: 2.1308 - val_auc_93: 0.5095
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 2.0748 - auc_93:
0.5115 - val_loss: 2.1151 - val_auc_93: 0.5172
Epoch 141/500
267/267 [=====] - 1s 3ms/step - loss: 2.3454 - auc_93:
0.5064 - val_loss: 1.0767 - val_auc_93: 0.5057
Epoch 142/500
267/267 [=====] - 1s 3ms/step - loss: 1.9723 - auc_93:
0.5087 - val_loss: 1.6266 - val_auc_93: 0.5114
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 2.2813 - auc_93:
0.5090 - val_loss: 2.2427 - val_auc_93: 0.5126
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 2.3910 - auc_93:
0.5037 - val_loss: 2.8123 - val_auc_93: 0.5025
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 2.5149 - auc_93:
0.5048 - val_loss: 3.4297 - val_auc_93: 0.5130
Epoch 146/500

267/267 [=====] - 1s 3ms/step - loss: 2.4700 - auc_93:
0.5055 - val_loss: 1.7645 - val_auc_93: 0.4940
Epoch 147/500
267/267 [=====] - 1s 3ms/step - loss: 2.1871 - auc_93:
0.5088 - val_loss: 0.8939 - val_auc_93: 0.4896
Epoch 148/500
267/267 [=====] - 1s 3ms/step - loss: 2.2309 - auc_93:
0.5064 - val_loss: 2.1701 - val_auc_93: 0.4945
Epoch 149/500
267/267 [=====] - 1s 3ms/step - loss: 2.5678 - auc_93:
0.5108 - val_loss: 2.1132 - val_auc_93: 0.5062
Epoch 150/500
267/267 [=====] - 1s 3ms/step - loss: 2.0562 - auc_93:
0.5074 - val_loss: 2.1150 - val_auc_93: 0.5117
Epoch 151/500
267/267 [=====] - 1s 3ms/step - loss: 2.2126 - auc_93:
0.5133 - val_loss: 2.4186 - val_auc_93: 0.4995
Epoch 152/500
267/267 [=====] - 1s 3ms/step - loss: 2.0533 - auc_93:
0.5082 - val_loss: 2.5686 - val_auc_93: 0.5021
Epoch 153/500
267/267 [=====] - 1s 3ms/step - loss: 2.2100 - auc_93:
0.5056 - val_loss: 1.6551 - val_auc_93: 0.5024
Epoch 154/500
267/267 [=====] - 1s 3ms/step - loss: 2.2010 - auc_93:
0.5077 - val_loss: 1.3321 - val_auc_93: 0.5063
Epoch 155/500
267/267 [=====] - 1s 3ms/step - loss: 3.0456 - auc_93:
0.5096 - val_loss: 7.1813 - val_auc_93: 0.5085
Epoch 156/500
267/267 [=====] - 1s 3ms/step - loss: 2.4289 - auc_93:
0.5049 - val_loss: 2.2820 - val_auc_93: 0.5024
Epoch 157/500
267/267 [=====] - 1s 3ms/step - loss: 2.4801 - auc_93:
0.5071 - val_loss: 1.4564 - val_auc_93: 0.5088
Epoch 158/500
267/267 [=====] - 1s 3ms/step - loss: 2.6446 - auc_93:
0.5097 - val_loss: 1.9405 - val_auc_93: 0.5095
Epoch 159/500
267/267 [=====] - 1s 3ms/step - loss: 2.1997 - auc_93:
0.5080 - val_loss: 2.2234 - val_auc_93: 0.4961
Epoch 160/500
267/267 [=====] - 1s 3ms/step - loss: 2.4494 - auc_93:
0.5100 - val_loss: 2.0916 - val_auc_93: 0.5116
Epoch 161/500
267/267 [=====] - 1s 3ms/step - loss: 2.4094 - auc_93:
0.5069 - val_loss: 1.7912 - val_auc_93: 0.5003
Epoch 162/500

267/267 [=====] - 1s 3ms/step - loss: 2.5677 - auc_93:
0.5075 - val_loss: 1.5629 - val_auc_93: 0.5023
Epoch 163/500
267/267 [=====] - 1s 3ms/step - loss: 2.1942 - auc_93:
0.5089 - val_loss: 2.3956 - val_auc_93: 0.5122
Epoch 164/500
267/267 [=====] - 1s 3ms/step - loss: 2.4292 - auc_93:
0.5070 - val_loss: 3.2274 - val_auc_93: 0.5015
Epoch 165/500
267/267 [=====] - 1s 3ms/step - loss: 2.1026 - auc_93:
0.5071 - val_loss: 1.6758 - val_auc_93: 0.5111
Epoch 166/500
267/267 [=====] - 1s 3ms/step - loss: 2.0438 - auc_93:
0.5070 - val_loss: 1.9431 - val_auc_93: 0.5073
Epoch 167/500
267/267 [=====] - 1s 3ms/step - loss: 2.4686 - auc_93:
0.5060 - val_loss: 1.4162 - val_auc_93: 0.5115
Epoch 168/500
267/267 [=====] - 1s 3ms/step - loss: 2.6519 - auc_93:
0.5103 - val_loss: 2.1599 - val_auc_93: 0.5047
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 2.1812 - auc_93:
0.5050 - val_loss: 1.4943 - val_auc_93: 0.4983
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 2.4453 - auc_93:
0.5060 - val_loss: 2.8775 - val_auc_93: 0.4968
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 2.2415 - auc_93:
0.5109 - val_loss: 1.8764 - val_auc_93: 0.4913
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 2.6060 - auc_93:
0.5082 - val_loss: 2.2361 - val_auc_93: 0.5149
Epoch 173/500
267/267 [=====] - 1s 3ms/step - loss: 2.1510 - auc_93:
0.5090 - val_loss: 2.8010 - val_auc_93: 0.5060
Epoch 174/500
267/267 [=====] - 1s 3ms/step - loss: 2.1094 - auc_93:
0.5099 - val_loss: 1.9129 - val_auc_93: 0.5101
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 2.3304 - auc_93:
0.5093 - val_loss: 2.6312 - val_auc_93: 0.5098
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 2.4483 - auc_93:
0.5055 - val_loss: 1.4135 - val_auc_93: 0.4974
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 2.4402 - auc_93:
0.5075 - val_loss: 2.7582 - val_auc_93: 0.5052
Epoch 178/500

267/267 [=====] - 1s 3ms/step - loss: 2.1807 - auc_93:
0.5117 - val_loss: 3.4701 - val_auc_93: 0.4916
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 2.3451 - auc_93:
0.5066 - val_loss: 1.5802 - val_auc_93: 0.5016
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 2.2880 - auc_93:
0.5066 - val_loss: 3.4004 - val_auc_93: 0.5082
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 2.1326 - auc_93:
0.5099 - val_loss: 2.1450 - val_auc_93: 0.4984
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 2.3451 - auc_93:
0.5067 - val_loss: 1.5361 - val_auc_93: 0.5043
Epoch 183/500
267/267 [=====] - 1s 3ms/step - loss: 2.3094 - auc_93:
0.5100 - val_loss: 1.1616 - val_auc_93: 0.5082
Epoch 184/500
267/267 [=====] - 1s 3ms/step - loss: 2.1564 - auc_93:
0.5069 - val_loss: 1.3208 - val_auc_93: 0.5097
Epoch 185/500
267/267 [=====] - 1s 3ms/step - loss: 2.1257 - auc_93:
0.5088 - val_loss: 2.8084 - val_auc_93: 0.5064
Epoch 186/500
267/267 [=====] - 1s 3ms/step - loss: 2.4296 - auc_93:
0.5088 - val_loss: 3.9173 - val_auc_93: 0.5108
Epoch 187/500
267/267 [=====] - 1s 3ms/step - loss: 2.6391 - auc_93:
0.5095 - val_loss: 4.5334 - val_auc_93: 0.5170
Epoch 188/500
267/267 [=====] - 1s 3ms/step - loss: 2.3535 - auc_93:
0.5067 - val_loss: 1.7030 - val_auc_93: 0.5107
Epoch 189/500
267/267 [=====] - 1s 3ms/step - loss: 2.4551 - auc_93:
0.5083 - val_loss: 1.8637 - val_auc_93: 0.5116
Epoch 190/500
267/267 [=====] - 1s 3ms/step - loss: 2.6761 - auc_93:
0.5073 - val_loss: 1.4250 - val_auc_93: 0.5065
Epoch 191/500
267/267 [=====] - 1s 3ms/step - loss: 1.8916 - auc_93:
0.5099 - val_loss: 1.4895 - val_auc_93: 0.5043
Epoch 192/500
267/267 [=====] - 1s 3ms/step - loss: 2.5708 - auc_93:
0.5082 - val_loss: 2.0905 - val_auc_93: 0.5053
Epoch 193/500
267/267 [=====] - 1s 3ms/step - loss: 2.3743 - auc_93:
0.5078 - val_loss: 2.9418 - val_auc_93: 0.5060
Epoch 194/500

267/267 [=====] - 1s 3ms/step - loss: 2.5255 - auc_93:
0.5059 - val_loss: 1.5263 - val_auc_93: 0.5086
Epoch 195/500
267/267 [=====] - 1s 3ms/step - loss: 2.3362 - auc_93:
0.5115 - val_loss: 3.1349 - val_auc_93: 0.4995
Epoch 196/500
267/267 [=====] - 1s 3ms/step - loss: 2.2311 - auc_93:
0.5087 - val_loss: 1.6329 - val_auc_93: 0.5151
Epoch 197/500
267/267 [=====] - 1s 3ms/step - loss: 2.2346 - auc_93:
0.5106 - val_loss: 1.8759 - val_auc_93: 0.5072
Epoch 198/500
267/267 [=====] - 1s 3ms/step - loss: 2.4107 - auc_93:
0.5055 - val_loss: 1.7844 - val_auc_93: 0.5142
Epoch 199/500
267/267 [=====] - 1s 3ms/step - loss: 2.2557 - auc_93:
0.5112 - val_loss: 2.0060 - val_auc_93: 0.5021
Epoch 200/500
267/267 [=====] - 1s 3ms/step - loss: 2.2600 - auc_93:
0.5098 - val_loss: 2.1943 - val_auc_93: 0.5118
Epoch 201/500
267/267 [=====] - 1s 3ms/step - loss: 2.4775 - auc_93:
0.5101 - val_loss: 1.6678 - val_auc_93: 0.5136
Epoch 202/500
267/267 [=====] - 1s 3ms/step - loss: 2.2273 - auc_93:
0.5096 - val_loss: 2.0506 - val_auc_93: 0.5048
Epoch 203/500
267/267 [=====] - 1s 3ms/step - loss: 2.3479 - auc_93:
0.5071 - val_loss: 4.0367 - val_auc_93: 0.5020
Epoch 204/500
267/267 [=====] - 1s 3ms/step - loss: 2.4608 - auc_93:
0.5068 - val_loss: 1.2153 - val_auc_93: 0.5006
Epoch 205/500
267/267 [=====] - 1s 3ms/step - loss: 2.3111 - auc_93:
0.5087 - val_loss: 2.0777 - val_auc_93: 0.5132
Epoch 206/500
267/267 [=====] - 1s 3ms/step - loss: 2.4085 - auc_93:
0.5086 - val_loss: 1.8035 - val_auc_93: 0.5009
Epoch 207/500
267/267 [=====] - 1s 3ms/step - loss: 2.9539 - auc_93:
0.5086 - val_loss: 3.0842 - val_auc_93: 0.5100
Epoch 208/500
267/267 [=====] - 1s 3ms/step - loss: 2.2795 - auc_93:
0.5064 - val_loss: 3.9710 - val_auc_93: 0.5061
Epoch 209/500
267/267 [=====] - 1s 3ms/step - loss: 2.7241 - auc_93:
0.5074 - val_loss: 2.3425 - val_auc_93: 0.5083
Epoch 210/500

267/267 [=====] - 1s 3ms/step - loss: 2.2865 - auc_93:
0.5110 - val_loss: 2.1243 - val_auc_93: 0.5135
Epoch 211/500
267/267 [=====] - 1s 3ms/step - loss: 2.9143 - auc_93:
0.5079 - val_loss: 1.7468 - val_auc_93: 0.5150
Epoch 212/500
267/267 [=====] - 1s 3ms/step - loss: 2.2095 - auc_93:
0.5105 - val_loss: 1.5602 - val_auc_93: 0.5073
Epoch 213/500
267/267 [=====] - 1s 3ms/step - loss: 2.0890 - auc_93:
0.5088 - val_loss: 3.4305 - val_auc_93: 0.5059
Epoch 214/500
267/267 [=====] - 1s 3ms/step - loss: 2.5273 - auc_93:
0.5066 - val_loss: 2.4370 - val_auc_93: 0.5026
Epoch 215/500
267/267 [=====] - 1s 3ms/step - loss: 2.1454 - auc_93:
0.5070 - val_loss: 1.5690 - val_auc_93: 0.5045
Epoch 216/500
267/267 [=====] - 1s 3ms/step - loss: 2.1399 - auc_93:
0.5114 - val_loss: 2.3967 - val_auc_93: 0.5053
Epoch 217/500
267/267 [=====] - 1s 3ms/step - loss: 2.3926 - auc_93:
0.5059 - val_loss: 1.9618 - val_auc_93: 0.5090
Epoch 218/500
267/267 [=====] - 1s 3ms/step - loss: 2.4071 - auc_93:
0.5069 - val_loss: 1.7691 - val_auc_93: 0.5078
Epoch 219/500
267/267 [=====] - 1s 3ms/step - loss: 2.4317 - auc_93:
0.5084 - val_loss: 0.9717 - val_auc_93: 0.4967
Epoch 220/500
267/267 [=====] - 1s 3ms/step - loss: 2.8498 - auc_93:
0.5060 - val_loss: 2.2824 - val_auc_93: 0.4989
Epoch 221/500
267/267 [=====] - 1s 3ms/step - loss: 1.8382 - auc_93:
0.5107 - val_loss: 1.8927 - val_auc_93: 0.5016
Epoch 222/500
267/267 [=====] - 1s 3ms/step - loss: 2.3652 - auc_93:
0.5086 - val_loss: 2.4144 - val_auc_93: 0.5009
Epoch 223/500
267/267 [=====] - 1s 3ms/step - loss: 2.3298 - auc_93:
0.5112 - val_loss: 1.2607 - val_auc_93: 0.4961
Epoch 224/500
267/267 [=====] - 1s 3ms/step - loss: 2.9031 - auc_93:
0.5073 - val_loss: 2.6506 - val_auc_93: 0.5042
Epoch 225/500
267/267 [=====] - 1s 3ms/step - loss: 2.4566 - auc_93:
0.5082 - val_loss: 2.2458 - val_auc_93: 0.5031
Epoch 226/500

267/267 [=====] - 1s 3ms/step - loss: 2.5985 - auc_93:
0.5083 - val_loss: 1.5877 - val_auc_93: 0.5152
Epoch 227/500
267/267 [=====] - 1s 3ms/step - loss: 2.2780 - auc_93:
0.5066 - val_loss: 1.7971 - val_auc_93: 0.5094
Epoch 228/500
267/267 [=====] - 1s 3ms/step - loss: 2.0763 - auc_93:
0.5099 - val_loss: 2.4278 - val_auc_93: 0.5022
Epoch 229/500
267/267 [=====] - 1s 3ms/step - loss: 1.9489 - auc_93:
0.5084 - val_loss: 2.0114 - val_auc_93: 0.5109
Epoch 230/500
267/267 [=====] - 1s 3ms/step - loss: 2.2595 - auc_93:
0.5072 - val_loss: 4.1513 - val_auc_93: 0.4932
Epoch 231/500
267/267 [=====] - 1s 3ms/step - loss: 2.5364 - auc_93:
0.5065 - val_loss: 2.0423 - val_auc_93: 0.5099
Epoch 232/500
267/267 [=====] - 1s 3ms/step - loss: 2.4598 - auc_93:
0.5125 - val_loss: 2.6366 - val_auc_93: 0.4893
Epoch 233/500
267/267 [=====] - 1s 3ms/step - loss: 2.2223 - auc_93:
0.5070 - val_loss: 2.9724 - val_auc_93: 0.5070
Epoch 234/500
267/267 [=====] - 1s 3ms/step - loss: 2.4383 - auc_93:
0.5064 - val_loss: 3.1612 - val_auc_93: 0.5084
Epoch 235/500
267/267 [=====] - 1s 3ms/step - loss: 2.1560 - auc_93:
0.5105 - val_loss: 2.7100 - val_auc_93: 0.4924
Epoch 236/500
267/267 [=====] - 1s 3ms/step - loss: 2.1374 - auc_93:
0.5092 - val_loss: 1.9760 - val_auc_93: 0.5105
Epoch 237/500
267/267 [=====] - 1s 3ms/step - loss: 2.1789 - auc_93:
0.5082 - val_loss: 1.6923 - val_auc_93: 0.5047
Epoch 238/500
267/267 [=====] - 1s 3ms/step - loss: 2.2641 - auc_93:
0.5108 - val_loss: 6.4100 - val_auc_93: 0.5076
Epoch 239/500
267/267 [=====] - 1s 3ms/step - loss: 2.4311 - auc_93:
0.5144 - val_loss: 1.3781 - val_auc_93: 0.5000
Epoch 240/500
267/267 [=====] - 1s 3ms/step - loss: 2.7253 - auc_93:
0.5105 - val_loss: 3.4010 - val_auc_93: 0.5139
Epoch 241/500
267/267 [=====] - 1s 3ms/step - loss: 2.2907 - auc_93:
0.5104 - val_loss: 1.5719 - val_auc_93: 0.5113
Epoch 242/500

267/267 [=====] - 1s 3ms/step - loss: 2.5679 - auc_93:
0.5091 - val_loss: 2.7800 - val_auc_93: 0.4953
Epoch 243/500
267/267 [=====] - 1s 3ms/step - loss: 2.1948 - auc_93:
0.5087 - val_loss: 3.0767 - val_auc_93: 0.5153
Epoch 244/500
267/267 [=====] - 1s 3ms/step - loss: 2.0955 - auc_93:
0.5125 - val_loss: 3.4727 - val_auc_93: 0.5047
Epoch 245/500
267/267 [=====] - 1s 3ms/step - loss: 1.9921 - auc_93:
0.5074 - val_loss: 2.3876 - val_auc_93: 0.5143
Epoch 246/500
267/267 [=====] - 1s 3ms/step - loss: 2.6751 - auc_93:
0.5078 - val_loss: 2.2094 - val_auc_93: 0.5038
Epoch 247/500
267/267 [=====] - 1s 3ms/step - loss: 2.4315 - auc_93:
0.5116 - val_loss: 2.0784 - val_auc_93: 0.4986
Epoch 248/500
267/267 [=====] - 1s 3ms/step - loss: 2.1465 - auc_93:
0.5070 - val_loss: 3.2857 - val_auc_93: 0.5140
Epoch 249/500
267/267 [=====] - 1s 3ms/step - loss: 2.2697 - auc_93:
0.5055 - val_loss: 4.4635 - val_auc_93: 0.5086
Epoch 250/500
267/267 [=====] - 1s 3ms/step - loss: 2.4116 - auc_93:
0.5095 - val_loss: 2.6412 - val_auc_93: 0.5084
Epoch 251/500
267/267 [=====] - 1s 3ms/step - loss: 2.1604 - auc_93:
0.5117 - val_loss: 3.1215 - val_auc_93: 0.5040
Epoch 252/500
267/267 [=====] - 1s 3ms/step - loss: 2.3497 - auc_93:
0.5114 - val_loss: 2.8143 - val_auc_93: 0.5158
Epoch 253/500
267/267 [=====] - 1s 3ms/step - loss: 2.3236 - auc_93:
0.5060 - val_loss: 5.4004 - val_auc_93: 0.4873
Epoch 254/500
267/267 [=====] - 1s 3ms/step - loss: 2.2340 - auc_93:
0.5061 - val_loss: 2.6230 - val_auc_93: 0.5135
Epoch 255/500
267/267 [=====] - 1s 3ms/step - loss: 2.4750 - auc_93:
0.5073 - val_loss: 1.5803 - val_auc_93: 0.5090
Epoch 256/500
267/267 [=====] - 1s 3ms/step - loss: 2.3185 - auc_93:
0.5078 - val_loss: 1.0989 - val_auc_93: 0.5116
Epoch 257/500
267/267 [=====] - 1s 3ms/step - loss: 2.1902 - auc_93:
0.5110 - val_loss: 1.5971 - val_auc_93: 0.5019
Epoch 258/500

267/267 [=====] - 1s 3ms/step - loss: 2.1019 - auc_93:
0.5080 - val_loss: 2.5092 - val_auc_93: 0.5101
Epoch 259/500
267/267 [=====] - 1s 3ms/step - loss: 2.1733 - auc_93:
0.5094 - val_loss: 3.3632 - val_auc_93: 0.4919
Epoch 260/500
267/267 [=====] - 1s 3ms/step - loss: 2.6949 - auc_93:
0.5066 - val_loss: 2.5333 - val_auc_93: 0.5138
Epoch 261/500
267/267 [=====] - 1s 3ms/step - loss: 2.2531 - auc_93:
0.5074 - val_loss: 1.3998 - val_auc_93: 0.4907
Epoch 262/500
267/267 [=====] - 1s 3ms/step - loss: 2.3719 - auc_93:
0.5079 - val_loss: 1.1955 - val_auc_93: 0.5002
Epoch 263/500
267/267 [=====] - 1s 3ms/step - loss: 3.0494 - auc_93:
0.5058 - val_loss: 3.3199 - val_auc_93: 0.5137
Epoch 264/500
267/267 [=====] - 1s 3ms/step - loss: 2.4833 - auc_93:
0.5100 - val_loss: 2.3771 - val_auc_93: 0.5041
Epoch 265/500
267/267 [=====] - 1s 3ms/step - loss: 2.7285 - auc_93:
0.5066 - val_loss: 2.1371 - val_auc_93: 0.5015
Epoch 266/500
267/267 [=====] - 1s 3ms/step - loss: 2.0852 - auc_93:
0.5064 - val_loss: 4.6861 - val_auc_93: 0.5133
Epoch 267/500
267/267 [=====] - 1s 3ms/step - loss: 2.1603 - auc_93:
0.5069 - val_loss: 1.3637 - val_auc_93: 0.5072
Epoch 268/500
267/267 [=====] - 1s 3ms/step - loss: 2.4020 - auc_93:
0.5078 - val_loss: 2.2948 - val_auc_93: 0.5005
Epoch 269/500
267/267 [=====] - 1s 3ms/step - loss: 2.1645 - auc_93:
0.5045 - val_loss: 2.9958 - val_auc_93: 0.5005
Epoch 270/500
267/267 [=====] - 1s 3ms/step - loss: 3.0009 - auc_93:
0.5078 - val_loss: 2.2178 - val_auc_93: 0.5137
Epoch 271/500
267/267 [=====] - 1s 3ms/step - loss: 2.6512 - auc_93:
0.5067 - val_loss: 2.6264 - val_auc_93: 0.5115
Epoch 272/500
267/267 [=====] - 1s 3ms/step - loss: 2.4381 - auc_93:
0.5075 - val_loss: 3.3427 - val_auc_93: 0.5162
Epoch 273/500
267/267 [=====] - 1s 3ms/step - loss: 2.7119 - auc_93:
0.5087 - val_loss: 2.5748 - val_auc_93: 0.5019
Epoch 274/500

267/267 [=====] - 1s 3ms/step - loss: 2.6662 - auc_93:
0.5081 - val_loss: 3.0795 - val_auc_93: 0.5061
Epoch 275/500
267/267 [=====] - 1s 3ms/step - loss: 2.1697 - auc_93:
0.5097 - val_loss: 2.1580 - val_auc_93: 0.5020
Epoch 276/500
267/267 [=====] - 1s 3ms/step - loss: 2.1112 - auc_93:
0.5043 - val_loss: 1.5655 - val_auc_93: 0.5098
Epoch 277/500
267/267 [=====] - 1s 3ms/step - loss: 2.2848 - auc_93:
0.5094 - val_loss: 1.8093 - val_auc_93: 0.5071
Epoch 278/500
267/267 [=====] - 1s 3ms/step - loss: 2.3827 - auc_93:
0.5062 - val_loss: 1.4801 - val_auc_93: 0.5109
Epoch 279/500
267/267 [=====] - 1s 3ms/step - loss: 2.9458 - auc_93:
0.5074 - val_loss: 2.0007 - val_auc_93: 0.4977
Epoch 280/500
267/267 [=====] - 1s 3ms/step - loss: 2.5706 - auc_93:
0.5071 - val_loss: 2.2959 - val_auc_93: 0.5104
Epoch 281/500
267/267 [=====] - 1s 3ms/step - loss: 2.3547 - auc_93:
0.5059 - val_loss: 1.8363 - val_auc_93: 0.5104
Epoch 282/500
267/267 [=====] - 1s 3ms/step - loss: 2.2884 - auc_93:
0.5105 - val_loss: 1.8978 - val_auc_93: 0.5002
Epoch 283/500
267/267 [=====] - 1s 3ms/step - loss: 2.3430 - auc_93:
0.5067 - val_loss: 1.6832 - val_auc_93: 0.5128
Epoch 284/500
267/267 [=====] - 1s 3ms/step - loss: 2.0631 - auc_93:
0.5082 - val_loss: 1.7863 - val_auc_93: 0.5142
Epoch 285/500
267/267 [=====] - 1s 3ms/step - loss: 1.9666 - auc_93:
0.5100 - val_loss: 2.0550 - val_auc_93: 0.5000
Epoch 286/500
267/267 [=====] - 1s 3ms/step - loss: 2.1976 - auc_93:
0.5086 - val_loss: 2.2337 - val_auc_93: 0.5030
Epoch 287/500
267/267 [=====] - 1s 3ms/step - loss: 2.2716 - auc_93:
0.5089 - val_loss: 2.2082 - val_auc_93: 0.5056
Epoch 288/500
267/267 [=====] - 1s 3ms/step - loss: 2.4114 - auc_93:
0.5055 - val_loss: 3.4284 - val_auc_93: 0.4915
Epoch 289/500
267/267 [=====] - 1s 3ms/step - loss: 2.3232 - auc_93:
0.5048 - val_loss: 3.5181 - val_auc_93: 0.4983
Epoch 290/500

267/267 [=====] - 1s 3ms/step - loss: 1.9866 - auc_93:
0.5095 - val_loss: 1.1679 - val_auc_93: 0.5093
Epoch 291/500
267/267 [=====] - 1s 3ms/step - loss: 2.1888 - auc_93:
0.5115 - val_loss: 1.6385 - val_auc_93: 0.5166
Epoch 292/500
267/267 [=====] - 1s 3ms/step - loss: 2.4903 - auc_93:
0.5089 - val_loss: 2.8135 - val_auc_93: 0.5112
Epoch 293/500
267/267 [=====] - 1s 3ms/step - loss: 2.4888 - auc_93:
0.5103 - val_loss: 1.8411 - val_auc_93: 0.4901
Epoch 294/500
267/267 [=====] - 1s 3ms/step - loss: 2.5005 - auc_93:
0.5068 - val_loss: 3.3377 - val_auc_93: 0.5116
Epoch 295/500
267/267 [=====] - 1s 3ms/step - loss: 2.9937 - auc_93:
0.5108 - val_loss: 2.0428 - val_auc_93: 0.5077
Epoch 296/500
267/267 [=====] - 1s 3ms/step - loss: 2.0100 - auc_93:
0.5106 - val_loss: 1.5170 - val_auc_93: 0.5110
Epoch 297/500
267/267 [=====] - 1s 3ms/step - loss: 2.0803 - auc_93:
0.5071 - val_loss: 3.7656 - val_auc_93: 0.5095
Epoch 298/500
267/267 [=====] - 1s 3ms/step - loss: 2.1353 - auc_93:
0.5085 - val_loss: 2.9639 - val_auc_93: 0.5134
Epoch 299/500
267/267 [=====] - 1s 3ms/step - loss: 2.3726 - auc_93:
0.5105 - val_loss: 3.6774 - val_auc_93: 0.4985
Epoch 300/500
267/267 [=====] - 1s 3ms/step - loss: 2.4425 - auc_93:
0.5086 - val_loss: 2.9991 - val_auc_93: 0.5020
Epoch 301/500
267/267 [=====] - 1s 3ms/step - loss: 2.4885 - auc_93:
0.5062 - val_loss: 2.3455 - val_auc_93: 0.5073
Epoch 302/500
267/267 [=====] - 1s 3ms/step - loss: 2.4767 - auc_93:
0.5085 - val_loss: 3.8255 - val_auc_93: 0.5116
Epoch 303/500
267/267 [=====] - 1s 3ms/step - loss: 2.5917 - auc_93:
0.5073 - val_loss: 1.0892 - val_auc_93: 0.5065
Epoch 304/500
267/267 [=====] - 1s 3ms/step - loss: 2.5373 - auc_93:
0.5099 - val_loss: 3.2832 - val_auc_93: 0.5007
Epoch 305/500
267/267 [=====] - 1s 3ms/step - loss: 2.0707 - auc_93:
0.5097 - val_loss: 1.6681 - val_auc_93: 0.5106
Epoch 306/500

267/267 [=====] - 1s 3ms/step - loss: 2.5221 - auc_93:
0.5083 - val_loss: 3.6906 - val_auc_93: 0.5033
Epoch 307/500
267/267 [=====] - 1s 3ms/step - loss: 2.6625 - auc_93:
0.5090 - val_loss: 2.1500 - val_auc_93: 0.4997
Epoch 308/500
267/267 [=====] - 1s 3ms/step - loss: 2.2596 - auc_93:
0.5093 - val_loss: 1.1925 - val_auc_93: 0.5087
Epoch 309/500
267/267 [=====] - 1s 3ms/step - loss: 2.1703 - auc_93:
0.5119 - val_loss: 1.9717 - val_auc_93: 0.4954
Epoch 310/500
267/267 [=====] - 1s 3ms/step - loss: 2.1973 - auc_93:
0.5102 - val_loss: 2.2294 - val_auc_93: 0.5027
Epoch 311/500
267/267 [=====] - 1s 3ms/step - loss: 2.3945 - auc_93:
0.5093 - val_loss: 1.9287 - val_auc_93: 0.5079
Epoch 312/500
267/267 [=====] - 1s 3ms/step - loss: 2.2763 - auc_93:
0.5083 - val_loss: 2.9871 - val_auc_93: 0.5116
Epoch 313/500
267/267 [=====] - 1s 3ms/step - loss: 2.7259 - auc_93:
0.5041 - val_loss: 4.5214 - val_auc_93: 0.5054
Epoch 314/500
267/267 [=====] - 1s 3ms/step - loss: 2.5361 - auc_93:
0.5087 - val_loss: 2.3985 - val_auc_93: 0.5185
Epoch 315/500
267/267 [=====] - 1s 3ms/step - loss: 2.6231 - auc_93:
0.5108 - val_loss: 4.4241 - val_auc_93: 0.4992
Epoch 316/500
267/267 [=====] - 1s 3ms/step - loss: 2.5381 - auc_93:
0.5104 - val_loss: 3.5413 - val_auc_93: 0.5051
Epoch 317/500
267/267 [=====] - 1s 3ms/step - loss: 2.5271 - auc_93:
0.5095 - val_loss: 2.3391 - val_auc_93: 0.4916
Epoch 318/500
267/267 [=====] - 1s 3ms/step - loss: 2.4352 - auc_93:
0.5077 - val_loss: 1.8102 - val_auc_93: 0.4911
Epoch 319/500
267/267 [=====] - 1s 3ms/step - loss: 2.0086 - auc_93:
0.5101 - val_loss: 2.8139 - val_auc_93: 0.5137
Epoch 320/500
267/267 [=====] - 1s 3ms/step - loss: 2.2390 - auc_93:
0.5089 - val_loss: 1.8018 - val_auc_93: 0.5099
Epoch 321/500
267/267 [=====] - 1s 3ms/step - loss: 2.0101 - auc_93:
0.5037 - val_loss: 1.9384 - val_auc_93: 0.5079
Epoch 322/500

267/267 [=====] - 1s 3ms/step - loss: 2.5930 - auc_93:
 0.5080 - val_loss: 3.6915 - val_auc_93: 0.4955
 Epoch 323/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0163 - auc_93:
 0.5074 - val_loss: 3.6945 - val_auc_93: 0.5049
 Epoch 324/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0241 - auc_93:
 0.5059 - val_loss: 1.3655 - val_auc_93: 0.5032
 Epoch 325/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2014 - auc_93:
 0.5057 - val_loss: 1.6130 - val_auc_93: 0.4940
 Epoch 326/500
 267/267 [=====] - 1s 3ms/step - loss: 2.8642 - auc_93:
 0.5066 - val_loss: 1.6700 - val_auc_93: 0.5038
 Epoch 327/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3016 - auc_93:
 0.5085 - val_loss: 2.4322 - val_auc_93: 0.5125
 Epoch 328/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5754 - auc_93:
 0.5058 - val_loss: 1.1957 - val_auc_93: 0.5011
 Epoch 329/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4486 - auc_93:
 0.5118 - val_loss: 2.9551 - val_auc_93: 0.5050
 Epoch 330/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3110 - auc_93:
 0.5084 - val_loss: 2.8776 - val_auc_93: 0.5111
 Epoch 331/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2537 - auc_93:
 0.5085 - val_loss: 1.3462 - val_auc_93: 0.4942
 Epoch 332/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3961 - auc_93:
 0.5080 - val_loss: 1.1673 - val_auc_93: 0.5046
 Epoch 333/500
 267/267 [=====] - 1s 3ms/step - loss: 1.8555 - auc_93:
 0.5058 - val_loss: 1.9446 - val_auc_93: 0.4935
 Epoch 334/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3043 - auc_93:
 0.5086 - val_loss: 1.4469 - val_auc_93: 0.5080
 Epoch 335/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4139 - auc_93:
 0.5048 - val_loss: 2.0341 - val_auc_93: 0.5062
 Epoch 336/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0725 - auc_93:
 0.5097 - val_loss: 2.4751 - val_auc_93: 0.5129
 Epoch 337/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2616 - auc_93:
 0.5024 - val_loss: 1.9361 - val_auc_93: 0.5033
 Epoch 338/500

267/267 [=====] - 1s 3ms/step - loss: 2.5289 - auc_93:
0.5067 - val_loss: 1.2253 - val_auc_93: 0.5122
Epoch 339/500
267/267 [=====] - 1s 3ms/step - loss: 2.7077 - auc_93:
0.5064 - val_loss: 1.9957 - val_auc_93: 0.4939
Epoch 340/500
267/267 [=====] - 1s 3ms/step - loss: 2.0382 - auc_93:
0.5123 - val_loss: 2.2805 - val_auc_93: 0.4986
Epoch 341/500
267/267 [=====] - 1s 3ms/step - loss: 2.5637 - auc_93:
0.5087 - val_loss: 2.7910 - val_auc_93: 0.5075
Epoch 342/500
267/267 [=====] - 1s 3ms/step - loss: 2.5178 - auc_93:
0.5062 - val_loss: 1.6228 - val_auc_93: 0.5127
Epoch 343/500
267/267 [=====] - 1s 3ms/step - loss: 2.0031 - auc_93:
0.5115 - val_loss: 4.7755 - val_auc_93: 0.5139
Epoch 344/500
267/267 [=====] - 1s 3ms/step - loss: 2.3184 - auc_93:
0.5066 - val_loss: 1.9084 - val_auc_93: 0.5055
Epoch 345/500
267/267 [=====] - 1s 3ms/step - loss: 2.5081 - auc_93:
0.5057 - val_loss: 2.8188 - val_auc_93: 0.5113
Epoch 346/500
267/267 [=====] - 1s 3ms/step - loss: 2.3366 - auc_93:
0.5117 - val_loss: 2.0619 - val_auc_93: 0.5048
Epoch 347/500
267/267 [=====] - 1s 3ms/step - loss: 2.3361 - auc_93:
0.5104 - val_loss: 1.7694 - val_auc_93: 0.5087
Epoch 348/500
267/267 [=====] - 1s 3ms/step - loss: 2.3473 - auc_93:
0.5067 - val_loss: 1.9572 - val_auc_93: 0.4963
Epoch 349/500
267/267 [=====] - 1s 3ms/step - loss: 2.0730 - auc_93:
0.5096 - val_loss: 1.7361 - val_auc_93: 0.4998
Epoch 350/500
267/267 [=====] - 1s 3ms/step - loss: 2.5717 - auc_93:
0.5100 - val_loss: 5.6550 - val_auc_93: 0.5034
Epoch 351/500
267/267 [=====] - 1s 3ms/step - loss: 2.4393 - auc_93:
0.5052 - val_loss: 4.2729 - val_auc_93: 0.5153
Epoch 352/500
267/267 [=====] - 1s 3ms/step - loss: 2.4992 - auc_93:
0.5090 - val_loss: 2.2832 - val_auc_93: 0.4962
Epoch 353/500
267/267 [=====] - 1s 3ms/step - loss: 1.9426 - auc_93:
0.5099 - val_loss: 5.5873 - val_auc_93: 0.5050
Epoch 354/500

267/267 [=====] - 1s 3ms/step - loss: 2.4484 - auc_93:
0.5090 - val_loss: 2.2556 - val_auc_93: 0.4979
Epoch 355/500
267/267 [=====] - 1s 3ms/step - loss: 2.1910 - auc_93:
0.5086 - val_loss: 2.8996 - val_auc_93: 0.4925
Epoch 356/500
267/267 [=====] - 1s 3ms/step - loss: 2.1965 - auc_93:
0.5091 - val_loss: 2.5458 - val_auc_93: 0.5162
Epoch 357/500
267/267 [=====] - 1s 3ms/step - loss: 2.6430 - auc_93:
0.5073 - val_loss: 1.3017 - val_auc_93: 0.5205
Epoch 358/500
267/267 [=====] - 1s 3ms/step - loss: 2.5589 - auc_93:
0.5049 - val_loss: 3.1932 - val_auc_93: 0.5115
Epoch 359/500
267/267 [=====] - 1s 3ms/step - loss: 2.4001 - auc_93:
0.5055 - val_loss: 2.5182 - val_auc_93: 0.5055
Epoch 360/500
267/267 [=====] - 1s 3ms/step - loss: 2.3218 - auc_93:
0.5082 - val_loss: 3.1627 - val_auc_93: 0.5098
Epoch 361/500
267/267 [=====] - 1s 3ms/step - loss: 2.1356 - auc_93:
0.5098 - val_loss: 2.4296 - val_auc_93: 0.5105
Epoch 362/500
267/267 [=====] - 1s 3ms/step - loss: 1.9578 - auc_93:
0.5097 - val_loss: 3.9550 - val_auc_93: 0.5174
Epoch 363/500
267/267 [=====] - 1s 3ms/step - loss: 2.3317 - auc_93:
0.5097 - val_loss: 2.6642 - val_auc_93: 0.5011
Epoch 364/500
267/267 [=====] - 1s 3ms/step - loss: 2.2815 - auc_93:
0.5078 - val_loss: 1.5132 - val_auc_93: 0.4936
Epoch 365/500
267/267 [=====] - 1s 3ms/step - loss: 2.0864 - auc_93:
0.5070 - val_loss: 4.7729 - val_auc_93: 0.4969
Epoch 366/500
267/267 [=====] - 1s 3ms/step - loss: 2.4946 - auc_93:
0.5072 - val_loss: 1.2002 - val_auc_93: 0.5096
Epoch 367/500
267/267 [=====] - 1s 3ms/step - loss: 2.3329 - auc_93:
0.5090 - val_loss: 1.4834 - val_auc_93: 0.5144
Epoch 368/500
267/267 [=====] - 1s 3ms/step - loss: 2.2538 - auc_93:
0.5050 - val_loss: 1.7102 - val_auc_93: 0.5113
Epoch 369/500
267/267 [=====] - 1s 3ms/step - loss: 2.2821 - auc_93:
0.5081 - val_loss: 3.0095 - val_auc_93: 0.4935
Epoch 370/500

267/267 [=====] - 1s 3ms/step - loss: 2.0352 - auc_93:
 0.5087 - val_loss: 1.5507 - val_auc_93: 0.4998
 Epoch 371/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4474 - auc_93:
 0.5078 - val_loss: 2.7002 - val_auc_93: 0.5017
 Epoch 372/500
 267/267 [=====] - 1s 3ms/step - loss: 2.8989 - auc_93:
 0.5061 - val_loss: 1.8550 - val_auc_93: 0.5063
 Epoch 373/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5720 - auc_93:
 0.5094 - val_loss: 2.3085 - val_auc_93: 0.5062
 Epoch 374/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1869 - auc_93:
 0.5074 - val_loss: 1.6787 - val_auc_93: 0.5117
 Epoch 375/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4056 - auc_93:
 0.5091 - val_loss: 2.3303 - val_auc_93: 0.5102
 Epoch 376/500
 267/267 [=====] - 1s 3ms/step - loss: 2.8927 - auc_93:
 0.5090 - val_loss: 3.8721 - val_auc_93: 0.5019
 Epoch 377/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3708 - auc_93:
 0.5076 - val_loss: 3.7915 - val_auc_93: 0.5028
 Epoch 378/500
 267/267 [=====] - 1s 3ms/step - loss: 2.7325 - auc_93:
 0.5067 - val_loss: 2.7796 - val_auc_93: 0.4999
 Epoch 379/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0132 - auc_93:
 0.5105 - val_loss: 2.0112 - val_auc_93: 0.5186
 Epoch 380/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2621 - auc_93:
 0.5086 - val_loss: 5.1409 - val_auc_93: 0.5034
 Epoch 381/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6371 - auc_93:
 0.5041 - val_loss: 2.2990 - val_auc_93: 0.5054
 Epoch 382/500
 267/267 [=====] - 1s 3ms/step - loss: 2.7978 - auc_93:
 0.5066 - val_loss: 1.8902 - val_auc_93: 0.5090
 Epoch 383/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6205 - auc_93:
 0.5062 - val_loss: 2.1820 - val_auc_93: 0.5018
 Epoch 384/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1140 - auc_93:
 0.5103 - val_loss: 1.9626 - val_auc_93: 0.4977
 Epoch 385/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2595 - auc_93:
 0.5094 - val_loss: 3.2236 - val_auc_93: 0.4953
 Epoch 386/500

267/267 [=====] - 1s 3ms/step - loss: 2.3323 - auc_93:
0.5086 - val_loss: 2.1695 - val_auc_93: 0.5130
Epoch 387/500
267/267 [=====] - 1s 3ms/step - loss: 1.9807 - auc_93:
0.5054 - val_loss: 3.0027 - val_auc_93: 0.4920
Epoch 388/500
267/267 [=====] - 1s 3ms/step - loss: 1.9358 - auc_93:
0.5073 - val_loss: 1.5568 - val_auc_93: 0.5002
Epoch 389/500
267/267 [=====] - 1s 3ms/step - loss: 2.4951 - auc_93:
0.5083 - val_loss: 1.8891 - val_auc_93: 0.4952
Epoch 390/500
267/267 [=====] - 1s 3ms/step - loss: 2.1452 - auc_93:
0.5106 - val_loss: 2.1195 - val_auc_93: 0.5061
Epoch 391/500
267/267 [=====] - 1s 3ms/step - loss: 2.2084 - auc_93:
0.5082 - val_loss: 2.1425 - val_auc_93: 0.5056
Epoch 392/500
267/267 [=====] - 1s 3ms/step - loss: 2.2510 - auc_93:
0.5069 - val_loss: 5.5946 - val_auc_93: 0.5086
Epoch 393/500
267/267 [=====] - 1s 3ms/step - loss: 2.8005 - auc_93:
0.5106 - val_loss: 1.2893 - val_auc_93: 0.5134
Epoch 394/500
267/267 [=====] - 1s 3ms/step - loss: 2.1878 - auc_93:
0.5140 - val_loss: 4.3438 - val_auc_93: 0.5028
Epoch 395/500
267/267 [=====] - 1s 3ms/step - loss: 2.5360 - auc_93:
0.5061 - val_loss: 1.8023 - val_auc_93: 0.5116
Epoch 396/500
267/267 [=====] - 1s 3ms/step - loss: 2.3628 - auc_93:
0.5086 - val_loss: 2.6288 - val_auc_93: 0.5042
Epoch 397/500
267/267 [=====] - 1s 3ms/step - loss: 2.1312 - auc_93:
0.5079 - val_loss: 1.9797 - val_auc_93: 0.4976
Epoch 398/500
267/267 [=====] - 1s 3ms/step - loss: 2.7403 - auc_93:
0.5098 - val_loss: 1.5086 - val_auc_93: 0.5068
Epoch 399/500
267/267 [=====] - 1s 3ms/step - loss: 2.1091 - auc_93:
0.5102 - val_loss: 1.7688 - val_auc_93: 0.4960
Epoch 400/500
267/267 [=====] - 1s 3ms/step - loss: 2.6358 - auc_93:
0.5077 - val_loss: 3.0275 - val_auc_93: 0.4926
Epoch 401/500
267/267 [=====] - 1s 3ms/step - loss: 2.3179 - auc_93:
0.5052 - val_loss: 2.6875 - val_auc_93: 0.5117
Epoch 402/500

267/267 [=====] - 1s 3ms/step - loss: 2.4270 - auc_93:
0.5054 - val_loss: 2.9853 - val_auc_93: 0.5056
Epoch 403/500
267/267 [=====] - 1s 3ms/step - loss: 2.3673 - auc_93:
0.5080 - val_loss: 1.3759 - val_auc_93: 0.5075
Epoch 404/500
267/267 [=====] - 1s 3ms/step - loss: 2.1255 - auc_93:
0.5054 - val_loss: 3.0366 - val_auc_93: 0.5119
Epoch 405/500
267/267 [=====] - 1s 3ms/step - loss: 2.2841 - auc_93:
0.5074 - val_loss: 2.3600 - val_auc_93: 0.5062
Epoch 406/500
267/267 [=====] - 1s 3ms/step - loss: 2.5121 - auc_93:
0.5061 - val_loss: 3.2010 - val_auc_93: 0.5110
Epoch 407/500
267/267 [=====] - 1s 3ms/step - loss: 2.2449 - auc_93:
0.5046 - val_loss: 4.4870 - val_auc_93: 0.4931
Epoch 408/500
267/267 [=====] - 1s 3ms/step - loss: 2.5489 - auc_93:
0.5062 - val_loss: 3.4285 - val_auc_93: 0.4961
Epoch 409/500
267/267 [=====] - 1s 3ms/step - loss: 2.2863 - auc_93:
0.5089 - val_loss: 3.0559 - val_auc_93: 0.5064
Epoch 410/500
267/267 [=====] - 1s 3ms/step - loss: 2.4483 - auc_93:
0.5054 - val_loss: 1.7572 - val_auc_93: 0.4962
Epoch 411/500
267/267 [=====] - 1s 3ms/step - loss: 2.2117 - auc_93:
0.5079 - val_loss: 1.9593 - val_auc_93: 0.4974
Epoch 412/500
267/267 [=====] - 1s 3ms/step - loss: 2.3484 - auc_93:
0.5074 - val_loss: 2.4954 - val_auc_93: 0.4998
Epoch 413/500
267/267 [=====] - 1s 3ms/step - loss: 2.6925 - auc_93:
0.5085 - val_loss: 4.5717 - val_auc_93: 0.5084
Epoch 414/500
267/267 [=====] - 1s 3ms/step - loss: 2.2435 - auc_93:
0.5102 - val_loss: 3.1482 - val_auc_93: 0.5005
Epoch 415/500
267/267 [=====] - 1s 3ms/step - loss: 2.4144 - auc_93:
0.5083 - val_loss: 2.5436 - val_auc_93: 0.4988
Epoch 416/500
267/267 [=====] - 1s 3ms/step - loss: 2.3186 - auc_93:
0.5051 - val_loss: 1.6501 - val_auc_93: 0.5053
Epoch 417/500
267/267 [=====] - 1s 3ms/step - loss: 2.3135 - auc_93:
0.5085 - val_loss: 2.4145 - val_auc_93: 0.5145
Epoch 418/500

267/267 [=====] - 1s 3ms/step - loss: 2.1247 - auc_93:
0.5093 - val_loss: 4.9748 - val_auc_93: 0.5049
Epoch 419/500
267/267 [=====] - 1s 3ms/step - loss: 2.6258 - auc_93:
0.5071 - val_loss: 1.4170 - val_auc_93: 0.4955
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 2.3456 - auc_93:
0.5075 - val_loss: 4.0400 - val_auc_93: 0.5092
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 2.1490 - auc_93:
0.5108 - val_loss: 3.6404 - val_auc_93: 0.5030
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 2.3108 - auc_93:
0.5061 - val_loss: 3.6978 - val_auc_93: 0.4988
Epoch 423/500
267/267 [=====] - 1s 3ms/step - loss: 2.3137 - auc_93:
0.5098 - val_loss: 2.1160 - val_auc_93: 0.5100
Epoch 424/500
267/267 [=====] - 1s 3ms/step - loss: 2.1213 - auc_93:
0.5062 - val_loss: 1.8917 - val_auc_93: 0.4958
Epoch 425/500
267/267 [=====] - 1s 3ms/step - loss: 2.3989 - auc_93:
0.5061 - val_loss: 2.7106 - val_auc_93: 0.5153
Epoch 426/500
267/267 [=====] - 1s 3ms/step - loss: 2.0717 - auc_93:
0.5081 - val_loss: 1.7989 - val_auc_93: 0.4990
Epoch 427/500
267/267 [=====] - 1s 3ms/step - loss: 2.7515 - auc_93:
0.5063 - val_loss: 3.0562 - val_auc_93: 0.5079
Epoch 428/500
267/267 [=====] - 1s 3ms/step - loss: 2.3522 - auc_93:
0.5045 - val_loss: 2.0604 - val_auc_93: 0.4997
Epoch 429/500
267/267 [=====] - 1s 3ms/step - loss: 2.1706 - auc_93:
0.5096 - val_loss: 2.5670 - val_auc_93: 0.5020
Epoch 430/500
267/267 [=====] - 1s 3ms/step - loss: 2.4371 - auc_93:
0.5092 - val_loss: 3.4889 - val_auc_93: 0.5033
Epoch 431/500
267/267 [=====] - 1s 3ms/step - loss: 2.2235 - auc_93:
0.5102 - val_loss: 2.4605 - val_auc_93: 0.5099
Epoch 432/500
267/267 [=====] - 1s 3ms/step - loss: 2.4325 - auc_93:
0.5094 - val_loss: 1.9641 - val_auc_93: 0.5034
Epoch 433/500
267/267 [=====] - 1s 3ms/step - loss: 2.3233 - auc_93:
0.5124 - val_loss: 3.3416 - val_auc_93: 0.5103
Epoch 434/500

267/267 [=====] - 1s 3ms/step - loss: 2.3915 - auc_93:
0.5101 - val_loss: 2.1230 - val_auc_93: 0.5008
Epoch 435/500
267/267 [=====] - 1s 3ms/step - loss: 2.2715 - auc_93:
0.5038 - val_loss: 2.3830 - val_auc_93: 0.5089
Epoch 436/500
267/267 [=====] - 1s 3ms/step - loss: 2.7192 - auc_93:
0.5116 - val_loss: 3.7415 - val_auc_93: 0.5026
Epoch 437/500
267/267 [=====] - 1s 3ms/step - loss: 2.7006 - auc_93:
0.5088 - val_loss: 3.4626 - val_auc_93: 0.4899
Epoch 438/500
267/267 [=====] - 1s 3ms/step - loss: 2.0240 - auc_93:
0.5074 - val_loss: 1.4173 - val_auc_93: 0.5149
Epoch 439/500
267/267 [=====] - 1s 3ms/step - loss: 2.3955 - auc_93:
0.5066 - val_loss: 2.2800 - val_auc_93: 0.4968
Epoch 440/500
267/267 [=====] - 1s 3ms/step - loss: 1.8306 - auc_93:
0.5090 - val_loss: 1.2710 - val_auc_93: 0.5138
Epoch 441/500
267/267 [=====] - 1s 3ms/step - loss: 2.4841 - auc_93:
0.5078 - val_loss: 1.3497 - val_auc_93: 0.5086
Epoch 442/500
267/267 [=====] - 1s 3ms/step - loss: 2.2579 - auc_93:
0.5109 - val_loss: 3.4060 - val_auc_93: 0.5091
Epoch 443/500
267/267 [=====] - 1s 3ms/step - loss: 2.2987 - auc_93:
0.5062 - val_loss: 1.9989 - val_auc_93: 0.5088
Epoch 444/500
267/267 [=====] - 1s 3ms/step - loss: 2.4867 - auc_93:
0.5116 - val_loss: 3.0719 - val_auc_93: 0.5046
Epoch 445/500
267/267 [=====] - 1s 3ms/step - loss: 2.5793 - auc_93:
0.5069 - val_loss: 3.5548 - val_auc_93: 0.5075
Epoch 446/500
267/267 [=====] - 1s 3ms/step - loss: 2.2874 - auc_93:
0.5045 - val_loss: 1.7317 - val_auc_93: 0.5121
Epoch 447/500
267/267 [=====] - 1s 3ms/step - loss: 2.1684 - auc_93:
0.5088 - val_loss: 1.6013 - val_auc_93: 0.5074
Epoch 448/500
267/267 [=====] - 1s 3ms/step - loss: 2.2406 - auc_93:
0.5130 - val_loss: 1.4340 - val_auc_93: 0.5096
Epoch 449/500
267/267 [=====] - 1s 3ms/step - loss: 2.1921 - auc_93:
0.5084 - val_loss: 2.8077 - val_auc_93: 0.4908
Epoch 450/500

267/267 [=====] - 1s 3ms/step - loss: 2.2880 - auc_93:
0.5060 - val_loss: 2.8117 - val_auc_93: 0.5061
Epoch 451/500
267/267 [=====] - 1s 3ms/step - loss: 2.2381 - auc_93:
0.5091 - val_loss: 1.0274 - val_auc_93: 0.5165
Epoch 452/500
267/267 [=====] - 1s 3ms/step - loss: 2.4558 - auc_93:
0.5086 - val_loss: 2.4322 - val_auc_93: 0.5108
Epoch 453/500
267/267 [=====] - 1s 3ms/step - loss: 2.3375 - auc_93:
0.5092 - val_loss: 1.9156 - val_auc_93: 0.5013
Epoch 454/500
267/267 [=====] - 1s 3ms/step - loss: 2.1234 - auc_93:
0.5100 - val_loss: 2.0095 - val_auc_93: 0.5078
Epoch 455/500
267/267 [=====] - 1s 3ms/step - loss: 2.2952 - auc_93:
0.5095 - val_loss: 2.6667 - val_auc_93: 0.5127
Epoch 456/500
267/267 [=====] - 1s 3ms/step - loss: 2.0658 - auc_93:
0.5070 - val_loss: 3.5434 - val_auc_93: 0.5013
Epoch 457/500
267/267 [=====] - 1s 3ms/step - loss: 2.1822 - auc_93:
0.5066 - val_loss: 2.2779 - val_auc_93: 0.5070
Epoch 458/500
267/267 [=====] - 1s 3ms/step - loss: 2.2427 - auc_93:
0.5079 - val_loss: 1.8386 - val_auc_93: 0.5012
Epoch 459/500
267/267 [=====] - 1s 3ms/step - loss: 2.5036 - auc_93:
0.5083 - val_loss: 3.0706 - val_auc_93: 0.4941
Epoch 460/500
267/267 [=====] - 1s 3ms/step - loss: 2.4320 - auc_93:
0.5084 - val_loss: 2.5140 - val_auc_93: 0.4953
Epoch 461/500
267/267 [=====] - 1s 3ms/step - loss: 2.5217 - auc_93:
0.5088 - val_loss: 2.1750 - val_auc_93: 0.5040
Epoch 462/500
267/267 [=====] - 1s 3ms/step - loss: 2.1449 - auc_93:
0.5103 - val_loss: 1.8635 - val_auc_93: 0.5175
Epoch 463/500
267/267 [=====] - 1s 3ms/step - loss: 2.2120 - auc_93:
0.5089 - val_loss: 1.5778 - val_auc_93: 0.5079
Epoch 464/500
267/267 [=====] - 1s 3ms/step - loss: 2.5012 - auc_93:
0.5111 - val_loss: 2.6428 - val_auc_93: 0.5074
Epoch 465/500
267/267 [=====] - 1s 3ms/step - loss: 2.1835 - auc_93:
0.5054 - val_loss: 1.6169 - val_auc_93: 0.4971
Epoch 466/500

267/267 [=====] - 1s 3ms/step - loss: 2.2758 - auc_93:
0.5104 - val_loss: 3.5324 - val_auc_93: 0.4893
Epoch 467/500
267/267 [=====] - 1s 3ms/step - loss: 2.5528 - auc_93:
0.5071 - val_loss: 2.6616 - val_auc_93: 0.5029
Epoch 468/500
267/267 [=====] - 1s 3ms/step - loss: 2.3694 - auc_93:
0.5077 - val_loss: 1.7465 - val_auc_93: 0.5081
Epoch 469/500
267/267 [=====] - 1s 3ms/step - loss: 2.1116 - auc_93:
0.5088 - val_loss: 2.2946 - val_auc_93: 0.5082
Epoch 470/500
267/267 [=====] - 1s 3ms/step - loss: 2.0013 - auc_93:
0.5089 - val_loss: 1.1187 - val_auc_93: 0.5082
Epoch 471/500
267/267 [=====] - 1s 3ms/step - loss: 2.2477 - auc_93:
0.5091 - val_loss: 1.3189 - val_auc_93: 0.5061
Epoch 472/500
267/267 [=====] - 1s 3ms/step - loss: 2.6020 - auc_93:
0.5072 - val_loss: 2.6803 - val_auc_93: 0.5008
Epoch 473/500
267/267 [=====] - 1s 3ms/step - loss: 2.4196 - auc_93:
0.5107 - val_loss: 2.4703 - val_auc_93: 0.5166
Epoch 474/500
267/267 [=====] - 1s 3ms/step - loss: 2.3162 - auc_93:
0.5079 - val_loss: 1.1064 - val_auc_93: 0.5154
Epoch 475/500
267/267 [=====] - 1s 3ms/step - loss: 2.2083 - auc_93:
0.5095 - val_loss: 2.4457 - val_auc_93: 0.5092
Epoch 476/500
267/267 [=====] - 1s 3ms/step - loss: 2.4646 - auc_93:
0.5083 - val_loss: 4.7823 - val_auc_93: 0.5000
Epoch 477/500
267/267 [=====] - 1s 3ms/step - loss: 2.4050 - auc_93:
0.5080 - val_loss: 1.6140 - val_auc_93: 0.5109
Epoch 478/500
267/267 [=====] - 1s 3ms/step - loss: 2.6533 - auc_93:
0.5069 - val_loss: 1.6648 - val_auc_93: 0.5031
Epoch 479/500
267/267 [=====] - 1s 3ms/step - loss: 2.1776 - auc_93:
0.5111 - val_loss: 1.1194 - val_auc_93: 0.5061
Epoch 480/500
267/267 [=====] - 1s 3ms/step - loss: 2.7774 - auc_93:
0.5089 - val_loss: 2.0417 - val_auc_93: 0.5055
Epoch 481/500
267/267 [=====] - 1s 3ms/step - loss: 2.4097 - auc_93:
0.5089 - val_loss: 2.6963 - val_auc_93: 0.5068
Epoch 482/500

267/267 [=====] - 1s 3ms/step - loss: 2.4325 - auc_93:
0.5052 - val_loss: 2.4966 - val_auc_93: 0.5151
Epoch 483/500
267/267 [=====] - 1s 3ms/step - loss: 2.4205 - auc_93:
0.5112 - val_loss: 1.2363 - val_auc_93: 0.4950
Epoch 484/500
267/267 [=====] - 1s 3ms/step - loss: 2.1204 - auc_93:
0.5076 - val_loss: 2.0637 - val_auc_93: 0.4937
Epoch 485/500
267/267 [=====] - 1s 3ms/step - loss: 2.5379 - auc_93:
0.5129 - val_loss: 2.3308 - val_auc_93: 0.5098
Epoch 486/500
267/267 [=====] - 1s 3ms/step - loss: 2.7678 - auc_93:
0.5071 - val_loss: 1.6811 - val_auc_93: 0.5182
Epoch 487/500
267/267 [=====] - 1s 3ms/step - loss: 2.4131 - auc_93:
0.5090 - val_loss: 2.7796 - val_auc_93: 0.5036
Epoch 488/500
267/267 [=====] - 1s 3ms/step - loss: 2.1412 - auc_93:
0.5082 - val_loss: 2.9202 - val_auc_93: 0.5136
Epoch 489/500
267/267 [=====] - 1s 3ms/step - loss: 2.3251 - auc_93:
0.5094 - val_loss: 2.0294 - val_auc_93: 0.4818
Epoch 490/500
267/267 [=====] - 1s 3ms/step - loss: 2.0440 - auc_93:
0.5077 - val_loss: 1.7599 - val_auc_93: 0.4993
Epoch 491/500
267/267 [=====] - 1s 3ms/step - loss: 1.9798 - auc_93:
0.5089 - val_loss: 1.6577 - val_auc_93: 0.5166
Epoch 492/500
267/267 [=====] - 1s 3ms/step - loss: 2.4841 - auc_93:
0.5086 - val_loss: 4.2721 - val_auc_93: 0.5003
Epoch 493/500
267/267 [=====] - 1s 3ms/step - loss: 2.5058 - auc_93:
0.5033 - val_loss: 2.1919 - val_auc_93: 0.4980
Epoch 494/500
267/267 [=====] - 1s 3ms/step - loss: 2.0828 - auc_93:
0.5111 - val_loss: 1.6338 - val_auc_93: 0.5092
Epoch 495/500
267/267 [=====] - 1s 3ms/step - loss: 2.5726 - auc_93:
0.5119 - val_loss: 2.2120 - val_auc_93: 0.5119
Epoch 496/500
267/267 [=====] - 1s 3ms/step - loss: 2.2688 - auc_93:
0.5115 - val_loss: 1.4333 - val_auc_93: 0.5089
Epoch 497/500
267/267 [=====] - 1s 3ms/step - loss: 2.0740 - auc_93:
0.5094 - val_loss: 3.2904 - val_auc_93: 0.5062
Epoch 498/500

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267/267 [=====] - 1s 3ms/step - loss: 2.1627 - auc_93:
0.5098 - val_loss: 3.0356 - val_auc_93: 0.5167
Epoch 499/500
267/267 [=====] - 1s 3ms/step - loss: 2.3248 - auc_93:
0.5088 - val_loss: 1.3005 - val_auc_93: 0.5108
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 2.3967 - auc_93:
0.5108 - val_loss: 3.9889 - val_auc_93: 0.5025
625/625 [=====] - 0s 559us/step
[CV] ... epochs=500, learning_rate=0.01, score=0.510, total= 6.4min
[CV] epochs=500, learning_rate=0.01 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 3.4770 - auc_94:
0.5037 - val_loss: 1.5108 - val_auc_94: 0.5023
Epoch 2/500
267/267 [=====] - 1s 3ms/step - loss: 2.4936 - auc_94:
0.5027 - val_loss: 5.2239 - val_auc_94: 0.4942
Epoch 3/500
267/267 [=====] - 1s 3ms/step - loss: 2.4937 - auc_94:
0.5032 - val_loss: 3.2883 - val_auc_94: 0.5044
Epoch 4/500
267/267 [=====] - 1s 3ms/step - loss: 2.5655 - auc_94:
0.5009 - val_loss: 2.1292 - val_auc_94: 0.5096
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 2.3723 - auc_94:
0.5024 - val_loss: 3.4312 - val_auc_94: 0.5087
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 2.3105 - auc_94:
0.5026 - val_loss: 1.6562 - val_auc_94: 0.5070
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 2.4790 - auc_94:
0.5032 - val_loss: 1.5556 - val_auc_94: 0.4964
Epoch 8/500
267/267 [=====] - 1s 3ms/step - loss: 2.1277 - auc_94:
0.5030 - val_loss: 1.5884 - val_auc_94: 0.5075
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 2.2773 - auc_94:
0.5057 - val_loss: 1.6046 - val_auc_94: 0.5053
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 2.3627 - auc_94:
0.5079 - val_loss: 2.5907 - val_auc_94: 0.5015
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 2.9399 - auc_94:
0.5031 - val_loss: 3.9034 - val_auc_94: 0.5010
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 2.2563 - auc_94:
0.5052 - val_loss: 1.1215 - val_auc_94: 0.5079
Epoch 13/500

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267/267 [=====] - 1s 3ms/step - loss: 2.1404 - auc_94:
0.5070 - val_loss: 1.9147 - val_auc_94: 0.5058
Epoch 14/500
267/267 [=====] - 1s 3ms/step - loss: 2.4123 - auc_94:
0.5053 - val_loss: 1.9573 - val_auc_94: 0.5070
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 2.9445 - auc_94:
0.5044 - val_loss: 2.3574 - val_auc_94: 0.5043
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 2.0877 - auc_94:
0.5104 - val_loss: 2.8573 - val_auc_94: 0.5109
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 2.2964 - auc_94:
0.5051 - val_loss: 2.3556 - val_auc_94: 0.5020
Epoch 18/500
267/267 [=====] - 1s 3ms/step - loss: 2.1471 - auc_94:
0.5061 - val_loss: 1.8019 - val_auc_94: 0.4956
Epoch 19/500
267/267 [=====] - 1s 3ms/step - loss: 2.4911 - auc_94:
0.5037 - val_loss: 2.8833 - val_auc_94: 0.4933
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 2.4597 - auc_94:
0.5090 - val_loss: 2.2580 - val_auc_94: 0.4931
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 2.6537 - auc_94:
0.5080 - val_loss: 1.9861 - val_auc_94: 0.5028
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 2.2638 - auc_94:
0.5059 - val_loss: 1.8790 - val_auc_94: 0.5098
Epoch 23/500
267/267 [=====] - 1s 3ms/step - loss: 2.6051 - auc_94:
0.5082 - val_loss: 2.2488 - val_auc_94: 0.5099
Epoch 24/500
267/267 [=====] - 1s 3ms/step - loss: 2.1460 - auc_94:
0.5040 - val_loss: 2.0299 - val_auc_94: 0.5198
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 2.2801 - auc_94:
0.5051 - val_loss: 1.9991 - val_auc_94: 0.5031
Epoch 26/500
267/267 [=====] - 1s 3ms/step - loss: 2.5155 - auc_94:
0.5057 - val_loss: 2.9691 - val_auc_94: 0.5026
Epoch 27/500
267/267 [=====] - 1s 3ms/step - loss: 2.4743 - auc_94:
0.5084 - val_loss: 1.8578 - val_auc_94: 0.5068
Epoch 28/500
267/267 [=====] - 1s 3ms/step - loss: 2.1943 - auc_94:
0.5076 - val_loss: 1.4062 - val_auc_94: 0.4906
Epoch 29/500

267/267 [=====] - 1s 3ms/step - loss: 2.2993 - auc_94:
0.5059 - val_loss: 2.2898 - val_auc_94: 0.5119
Epoch 30/500
267/267 [=====] - 1s 3ms/step - loss: 2.5262 - auc_94:
0.5041 - val_loss: 1.1974 - val_auc_94: 0.5058
Epoch 31/500
267/267 [=====] - 1s 3ms/step - loss: 2.0544 - auc_94:
0.5074 - val_loss: 2.8344 - val_auc_94: 0.5060
Epoch 32/500
267/267 [=====] - 1s 3ms/step - loss: 2.1918 - auc_94:
0.5077 - val_loss: 2.9389 - val_auc_94: 0.5130
Epoch 33/500
267/267 [=====] - 1s 3ms/step - loss: 2.2243 - auc_94:
0.5058 - val_loss: 2.9627 - val_auc_94: 0.4959
Epoch 34/500
267/267 [=====] - 1s 3ms/step - loss: 2.6587 - auc_94:
0.5079 - val_loss: 2.6284 - val_auc_94: 0.5057
Epoch 35/500
267/267 [=====] - 1s 3ms/step - loss: 2.2265 - auc_94:
0.5054 - val_loss: 1.4836 - val_auc_94: 0.5040
Epoch 36/500
267/267 [=====] - 1s 3ms/step - loss: 2.0307 - auc_94:
0.5085 - val_loss: 1.9948 - val_auc_94: 0.5043
Epoch 37/500
267/267 [=====] - 1s 3ms/step - loss: 2.1720 - auc_94:
0.5052 - val_loss: 0.9408 - val_auc_94: 0.5087
Epoch 38/500
267/267 [=====] - 1s 3ms/step - loss: 2.5382 - auc_94:
0.5048 - val_loss: 4.4204 - val_auc_94: 0.5043
Epoch 39/500
267/267 [=====] - 1s 3ms/step - loss: 2.4111 - auc_94:
0.5039 - val_loss: 2.5140 - val_auc_94: 0.4899
Epoch 40/500
267/267 [=====] - 1s 3ms/step - loss: 2.0666 - auc_94:
0.5043 - val_loss: 2.2917 - val_auc_94: 0.5105
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 2.7311 - auc_94:
0.5055 - val_loss: 1.9770 - val_auc_94: 0.5069
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 2.1661 - auc_94:
0.5063 - val_loss: 2.6403 - val_auc_94: 0.5029
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 2.2592 - auc_94:
0.5045 - val_loss: 2.5701 - val_auc_94: 0.5140
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 2.3224 - auc_94:
0.5088 - val_loss: 1.2597 - val_auc_94: 0.5094
Epoch 45/500

267/267 [=====] - 1s 3ms/step - loss: 2.8268 - auc_94:
0.5094 - val_loss: 4.4936 - val_auc_94: 0.5102
Epoch 46/500
267/267 [=====] - 1s 3ms/step - loss: 2.6321 - auc_94:
0.5081 - val_loss: 2.8507 - val_auc_94: 0.4996
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 2.2674 - auc_94:
0.5044 - val_loss: 2.3611 - val_auc_94: 0.5025
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 2.3909 - auc_94:
0.5043 - val_loss: 3.3648 - val_auc_94: 0.5094
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 2.5296 - auc_94:
0.5058 - val_loss: 1.5454 - val_auc_94: 0.4967
Epoch 50/500
267/267 [=====] - 1s 3ms/step - loss: 2.2983 - auc_94:
0.5080 - val_loss: 3.0148 - val_auc_94: 0.4966
Epoch 51/500
267/267 [=====] - 1s 3ms/step - loss: 2.2377 - auc_94:
0.5042 - val_loss: 1.3872 - val_auc_94: 0.5079
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 2.6626 - auc_94:
0.5076 - val_loss: 1.7649 - val_auc_94: 0.5055
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 2.3035 - auc_94:
0.5054 - val_loss: 2.9564 - val_auc_94: 0.4909
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 2.3600 - auc_94:
0.5091 - val_loss: 2.1960 - val_auc_94: 0.5069
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 2.1134 - auc_94:
0.5051 - val_loss: 2.9143 - val_auc_94: 0.5003
Epoch 56/500
267/267 [=====] - 1s 3ms/step - loss: 2.2476 - auc_94:
0.5043 - val_loss: 3.1346 - val_auc_94: 0.5054
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 2.4758 - auc_94:
0.5076 - val_loss: 2.5819 - val_auc_94: 0.5137
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 2.2910 - auc_94:
0.5081 - val_loss: 2.4452 - val_auc_94: 0.4954
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 2.0318 - auc_94:
0.5085 - val_loss: 1.7142 - val_auc_94: 0.5074
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 2.4252 - auc_94:
0.5074 - val_loss: 2.9995 - val_auc_94: 0.4971
Epoch 61/500

267/267 [=====] - 1s 3ms/step - loss: 2.6253 - auc_94:
0.5095 - val_loss: 3.3505 - val_auc_94: 0.5131
Epoch 62/500
267/267 [=====] - 1s 3ms/step - loss: 2.4410 - auc_94:
0.5056 - val_loss: 2.2147 - val_auc_94: 0.5103
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 2.1450 - auc_94:
0.5086 - val_loss: 2.5959 - val_auc_94: 0.5117
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 2.1996 - auc_94:
0.5059 - val_loss: 1.7665 - val_auc_94: 0.5146
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 2.2130 - auc_94:
0.5049 - val_loss: 1.7970 - val_auc_94: 0.4962
Epoch 66/500
267/267 [=====] - 1s 3ms/step - loss: 2.6124 - auc_94:
0.5040 - val_loss: 3.3060 - val_auc_94: 0.5064
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 2.6373 - auc_94:
0.5059 - val_loss: 3.0377 - val_auc_94: 0.4949
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 2.2997 - auc_94:
0.5083 - val_loss: 2.0343 - val_auc_94: 0.5091
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 2.5302 - auc_94:
0.5090 - val_loss: 1.7779 - val_auc_94: 0.5109
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 2.4007 - auc_94:
0.5050 - val_loss: 3.2385 - val_auc_94: 0.5080
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 2.3488 - auc_94:
0.5052 - val_loss: 2.3988 - val_auc_94: 0.4931
Epoch 72/500
267/267 [=====] - 1s 3ms/step - loss: 2.0862 - auc_94:
0.5070 - val_loss: 2.0873 - val_auc_94: 0.4967
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 2.0526 - auc_94:
0.5086 - val_loss: 3.1848 - val_auc_94: 0.5037
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 3.2664 - auc_94:
0.5049 - val_loss: 2.2137 - val_auc_94: 0.4987
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 1.8795 - auc_94:
0.5058 - val_loss: 1.5062 - val_auc_94: 0.5147
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 2.2111 - auc_94:
0.5052 - val_loss: 1.7603 - val_auc_94: 0.5117
Epoch 77/500

267/267 [=====] - 1s 3ms/step - loss: 2.3429 - auc_94:
0.5055 - val_loss: 2.4099 - val_auc_94: 0.5042
Epoch 78/500
267/267 [=====] - 1s 3ms/step - loss: 2.3228 - auc_94:
0.5086 - val_loss: 2.0137 - val_auc_94: 0.4986
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 2.4228 - auc_94:
0.5078 - val_loss: 1.9490 - val_auc_94: 0.5145
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 2.1095 - auc_94:
0.5052 - val_loss: 4.1468 - val_auc_94: 0.4939
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 2.3154 - auc_94:
0.5082 - val_loss: 1.4503 - val_auc_94: 0.5001
Epoch 82/500
267/267 [=====] - 1s 3ms/step - loss: 2.7273 - auc_94:
0.5065 - val_loss: 3.5097 - val_auc_94: 0.5079
Epoch 83/500
267/267 [=====] - 1s 3ms/step - loss: 2.3036 - auc_94:
0.5075 - val_loss: 2.1528 - val_auc_94: 0.5040
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 2.2520 - auc_94:
0.5056 - val_loss: 3.3682 - val_auc_94: 0.4960
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 2.3207 - auc_94:
0.5082 - val_loss: 2.8948 - val_auc_94: 0.5032
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 2.2924 - auc_94:
0.5032 - val_loss: 3.5001 - val_auc_94: 0.4984
Epoch 87/500
267/267 [=====] - 1s 3ms/step - loss: 2.2882 - auc_94:
0.5049 - val_loss: 2.9498 - val_auc_94: 0.5013
Epoch 88/500
267/267 [=====] - 1s 3ms/step - loss: 2.0277 - auc_94:
0.5070 - val_loss: 2.5474 - val_auc_94: 0.5110
Epoch 89/500
267/267 [=====] - 1s 3ms/step - loss: 2.0623 - auc_94:
0.5069 - val_loss: 1.0932 - val_auc_94: 0.5035
Epoch 90/500
267/267 [=====] - 1s 3ms/step - loss: 2.5051 - auc_94:
0.5087 - val_loss: 3.0904 - val_auc_94: 0.5001
Epoch 91/500
267/267 [=====] - 1s 3ms/step - loss: 1.9820 - auc_94:
0.5076 - val_loss: 1.7213 - val_auc_94: 0.5032
Epoch 92/500
267/267 [=====] - 1s 3ms/step - loss: 2.7565 - auc_94:
0.5083 - val_loss: 2.5694 - val_auc_94: 0.5057
Epoch 93/500

267/267 [=====] - 1s 3ms/step - loss: 2.5068 - auc_94:
0.5100 - val_loss: 2.0457 - val_auc_94: 0.5094
Epoch 94/500
267/267 [=====] - 1s 3ms/step - loss: 2.3274 - auc_94:
0.5050 - val_loss: 2.7699 - val_auc_94: 0.5077
Epoch 95/500
267/267 [=====] - 1s 3ms/step - loss: 2.3138 - auc_94:
0.5055 - val_loss: 1.5936 - val_auc_94: 0.5004
Epoch 96/500
267/267 [=====] - 1s 3ms/step - loss: 2.5385 - auc_94:
0.5051 - val_loss: 1.7132 - val_auc_94: 0.5116
Epoch 97/500
267/267 [=====] - 1s 3ms/step - loss: 2.0650 - auc_94:
0.5068 - val_loss: 2.9810 - val_auc_94: 0.4963
Epoch 98/500
267/267 [=====] - 1s 3ms/step - loss: 2.1430 - auc_94:
0.5074 - val_loss: 1.9071 - val_auc_94: 0.5035
Epoch 99/500
267/267 [=====] - 1s 3ms/step - loss: 2.2597 - auc_94:
0.5055 - val_loss: 1.3322 - val_auc_94: 0.4953
Epoch 100/500
267/267 [=====] - 1s 3ms/step - loss: 2.2284 - auc_94:
0.5086 - val_loss: 1.4472 - val_auc_94: 0.5063
Epoch 101/500
267/267 [=====] - 1s 3ms/step - loss: 2.4755 - auc_94:
0.5104 - val_loss: 2.2120 - val_auc_94: 0.5009
Epoch 102/500
267/267 [=====] - 1s 3ms/step - loss: 2.2502 - auc_94:
0.5082 - val_loss: 3.2217 - val_auc_94: 0.5073
Epoch 103/500
267/267 [=====] - 1s 3ms/step - loss: 2.3331 - auc_94:
0.5070 - val_loss: 1.6132 - val_auc_94: 0.5078
Epoch 104/500
267/267 [=====] - 1s 3ms/step - loss: 2.2119 - auc_94:
0.5087 - val_loss: 1.2890 - val_auc_94: 0.5034
Epoch 105/500
267/267 [=====] - 1s 3ms/step - loss: 2.3394 - auc_94:
0.5060 - val_loss: 1.8151 - val_auc_94: 0.4971
Epoch 106/500
267/267 [=====] - 1s 3ms/step - loss: 2.2211 - auc_94:
0.5090 - val_loss: 1.8346 - val_auc_94: 0.5097
Epoch 107/500
267/267 [=====] - 1s 3ms/step - loss: 2.1175 - auc_94:
0.5076 - val_loss: 1.7760 - val_auc_94: 0.5119
Epoch 108/500
267/267 [=====] - 1s 3ms/step - loss: 2.3478 - auc_94:
0.5062 - val_loss: 2.7124 - val_auc_94: 0.4940
Epoch 109/500

267/267 [=====] - 1s 3ms/step - loss: 2.0675 - auc_94:
0.5085 - val_loss: 2.0713 - val_auc_94: 0.5082
Epoch 110/500
267/267 [=====] - 1s 3ms/step - loss: 2.2120 - auc_94:
0.5077 - val_loss: 4.3339 - val_auc_94: 0.5018
Epoch 111/500
267/267 [=====] - 1s 3ms/step - loss: 2.9918 - auc_94:
0.5091 - val_loss: 1.6088 - val_auc_94: 0.4992
Epoch 112/500
267/267 [=====] - 1s 3ms/step - loss: 2.4060 - auc_94:
0.5071 - val_loss: 4.0142 - val_auc_94: 0.5074
Epoch 113/500
267/267 [=====] - 1s 3ms/step - loss: 2.1893 - auc_94:
0.5060 - val_loss: 1.0311 - val_auc_94: 0.5087
Epoch 114/500
267/267 [=====] - 1s 3ms/step - loss: 2.4921 - auc_94:
0.5075 - val_loss: 1.5327 - val_auc_94: 0.5050
Epoch 115/500
267/267 [=====] - 1s 3ms/step - loss: 2.3101 - auc_94:
0.5092 - val_loss: 4.1993 - val_auc_94: 0.5046
Epoch 116/500
267/267 [=====] - 1s 3ms/step - loss: 2.9841 - auc_94:
0.5087 - val_loss: 1.5745 - val_auc_94: 0.5079
Epoch 117/500
267/267 [=====] - 1s 3ms/step - loss: 2.1027 - auc_94:
0.5063 - val_loss: 5.1288 - val_auc_94: 0.4993
Epoch 118/500
267/267 [=====] - 1s 3ms/step - loss: 2.3245 - auc_94:
0.5100 - val_loss: 1.6991 - val_auc_94: 0.4924
Epoch 119/500
267/267 [=====] - 1s 3ms/step - loss: 2.2112 - auc_94:
0.5073 - val_loss: 2.6904 - val_auc_94: 0.5000
Epoch 120/500
267/267 [=====] - 1s 3ms/step - loss: 2.4344 - auc_94:
0.5064 - val_loss: 2.2122 - val_auc_94: 0.5110
Epoch 121/500
267/267 [=====] - 1s 3ms/step - loss: 2.5572 - auc_94:
0.5048 - val_loss: 2.8921 - val_auc_94: 0.4924
Epoch 122/500
267/267 [=====] - 1s 3ms/step - loss: 2.0258 - auc_94:
0.5085 - val_loss: 2.4791 - val_auc_94: 0.5052
Epoch 123/500
267/267 [=====] - 1s 3ms/step - loss: 2.1583 - auc_94:
0.5070 - val_loss: 1.9268 - val_auc_94: 0.5098
Epoch 124/500
267/267 [=====] - 1s 3ms/step - loss: 2.1285 - auc_94:
0.5036 - val_loss: 1.6030 - val_auc_94: 0.5015
Epoch 125/500

267/267 [=====] - 1s 3ms/step - loss: 2.1399 - auc_94:
0.5068 - val_loss: 2.6790 - val_auc_94: 0.5081
Epoch 126/500
267/267 [=====] - 1s 3ms/step - loss: 2.3120 - auc_94:
0.5097 - val_loss: 1.8020 - val_auc_94: 0.5186
Epoch 127/500
267/267 [=====] - 1s 3ms/step - loss: 2.0434 - auc_94:
0.5083 - val_loss: 2.9607 - val_auc_94: 0.5182
Epoch 128/500
267/267 [=====] - 1s 3ms/step - loss: 2.2535 - auc_94:
0.5052 - val_loss: 2.1524 - val_auc_94: 0.4979
Epoch 129/500
267/267 [=====] - 1s 3ms/step - loss: 2.5970 - auc_94:
0.5068 - val_loss: 1.3490 - val_auc_94: 0.5018
Epoch 130/500
267/267 [=====] - 1s 3ms/step - loss: 2.4628 - auc_94:
0.5091 - val_loss: 3.4240 - val_auc_94: 0.5158
Epoch 131/500
267/267 [=====] - 1s 3ms/step - loss: 2.1349 - auc_94:
0.5093 - val_loss: 2.1204 - val_auc_94: 0.5091
Epoch 132/500
267/267 [=====] - 1s 3ms/step - loss: 2.2928 - auc_94:
0.5092 - val_loss: 1.8755 - val_auc_94: 0.5043
Epoch 133/500
267/267 [=====] - 1s 3ms/step - loss: 2.1714 - auc_94:
0.5064 - val_loss: 1.6007 - val_auc_94: 0.5067
Epoch 134/500
267/267 [=====] - 1s 3ms/step - loss: 2.2959 - auc_94:
0.5056 - val_loss: 5.5568 - val_auc_94: 0.5059
Epoch 135/500
267/267 [=====] - 1s 3ms/step - loss: 2.6294 - auc_94:
0.5046 - val_loss: 1.3972 - val_auc_94: 0.5065
Epoch 136/500
267/267 [=====] - 1s 3ms/step - loss: 2.6559 - auc_94:
0.5061 - val_loss: 2.2096 - val_auc_94: 0.5063
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 2.2378 - auc_94:
0.5059 - val_loss: 1.7450 - val_auc_94: 0.5111
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 2.3929 - auc_94:
0.5081 - val_loss: 1.7908 - val_auc_94: 0.5074
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 2.4622 - auc_94:
0.5110 - val_loss: 1.6919 - val_auc_94: 0.5043
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 2.5689 - auc_94:
0.5108 - val_loss: 1.9116 - val_auc_94: 0.5014
Epoch 141/500

267/267 [=====] - 1s 3ms/step - loss: 2.9100 - auc_94:
0.5058 - val_loss: 4.8007 - val_auc_94: 0.4952
Epoch 142/500
267/267 [=====] - 1s 3ms/step - loss: 2.2571 - auc_94:
0.5075 - val_loss: 2.5470 - val_auc_94: 0.5020
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 2.1622 - auc_94:
0.5099 - val_loss: 1.6843 - val_auc_94: 0.5153
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 2.4139 - auc_94:
0.5047 - val_loss: 1.9465 - val_auc_94: 0.5063
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 2.0324 - auc_94:
0.5084 - val_loss: 1.9617 - val_auc_94: 0.5105
Epoch 146/500
267/267 [=====] - 1s 3ms/step - loss: 2.1628 - auc_94:
0.5091 - val_loss: 2.1928 - val_auc_94: 0.4935
Epoch 147/500
267/267 [=====] - 1s 3ms/step - loss: 2.5073 - auc_94:
0.5090 - val_loss: 1.9029 - val_auc_94: 0.5123
Epoch 148/500
267/267 [=====] - 1s 3ms/step - loss: 2.2957 - auc_94:
0.5047 - val_loss: 1.5354 - val_auc_94: 0.5054
Epoch 149/500
267/267 [=====] - 1s 3ms/step - loss: 2.0386 - auc_94:
0.5061 - val_loss: 3.5608 - val_auc_94: 0.5087
Epoch 150/500
267/267 [=====] - 1s 3ms/step - loss: 2.2029 - auc_94:
0.5077 - val_loss: 4.1976 - val_auc_94: 0.5072
Epoch 151/500
267/267 [=====] - 1s 3ms/step - loss: 2.2621 - auc_94:
0.5068 - val_loss: 1.0542 - val_auc_94: 0.5021
Epoch 152/500
267/267 [=====] - 1s 3ms/step - loss: 2.5168 - auc_94:
0.5035 - val_loss: 2.7101 - val_auc_94: 0.5115
Epoch 153/500
267/267 [=====] - 1s 3ms/step - loss: 2.2316 - auc_94:
0.5059 - val_loss: 1.8683 - val_auc_94: 0.5006
Epoch 154/500
267/267 [=====] - 1s 3ms/step - loss: 2.7698 - auc_94:
0.5047 - val_loss: 4.5069 - val_auc_94: 0.5142
Epoch 155/500
267/267 [=====] - 1s 3ms/step - loss: 2.3090 - auc_94:
0.5082 - val_loss: 2.1456 - val_auc_94: 0.5102
Epoch 156/500
267/267 [=====] - 1s 3ms/step - loss: 2.5264 - auc_94:
0.5118 - val_loss: 1.6826 - val_auc_94: 0.5130
Epoch 157/500

267/267 [=====] - 1s 3ms/step - loss: 2.7844 - auc_94:
0.5027 - val_loss: 3.4717 - val_auc_94: 0.4966
Epoch 158/500
267/267 [=====] - 1s 3ms/step - loss: 2.1628 - auc_94:
0.5070 - val_loss: 2.1344 - val_auc_94: 0.5145
Epoch 159/500
267/267 [=====] - 1s 3ms/step - loss: 2.1591 - auc_94:
0.5078 - val_loss: 1.9547 - val_auc_94: 0.5083
Epoch 160/500
267/267 [=====] - 1s 3ms/step - loss: 2.3498 - auc_94:
0.5064 - val_loss: 2.7664 - val_auc_94: 0.5051
Epoch 161/500
267/267 [=====] - 1s 3ms/step - loss: 2.1036 - auc_94:
0.5079 - val_loss: 1.4477 - val_auc_94: 0.5058
Epoch 162/500
267/267 [=====] - 1s 3ms/step - loss: 2.2643 - auc_94:
0.5063 - val_loss: 2.8492 - val_auc_94: 0.5061
Epoch 163/500
267/267 [=====] - 1s 3ms/step - loss: 2.1911 - auc_94:
0.5066 - val_loss: 2.1734 - val_auc_94: 0.5134
Epoch 164/500
267/267 [=====] - 1s 3ms/step - loss: 2.6340 - auc_94:
0.5075 - val_loss: 2.5697 - val_auc_94: 0.5005
Epoch 165/500
267/267 [=====] - 1s 3ms/step - loss: 2.4530 - auc_94:
0.5065 - val_loss: 3.0966 - val_auc_94: 0.5041
Epoch 166/500
267/267 [=====] - 1s 3ms/step - loss: 1.9653 - auc_94:
0.5094 - val_loss: 1.8432 - val_auc_94: 0.5090
Epoch 167/500
267/267 [=====] - 1s 3ms/step - loss: 2.4399 - auc_94:
0.5042 - val_loss: 3.8354 - val_auc_94: 0.5030
Epoch 168/500
267/267 [=====] - 1s 3ms/step - loss: 2.3186 - auc_94:
0.5053 - val_loss: 2.2253 - val_auc_94: 0.5080
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 2.3531 - auc_94:
0.5092 - val_loss: 2.4725 - val_auc_94: 0.4913
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 2.8888 - auc_94:
0.5057 - val_loss: 3.3346 - val_auc_94: 0.5051
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 2.1589 - auc_94:
0.5082 - val_loss: 1.4518 - val_auc_94: 0.5129
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 2.3986 - auc_94:
0.5071 - val_loss: 1.4155 - val_auc_94: 0.5029
Epoch 173/500

267/267 [=====] - 1s 3ms/step - loss: 2.4546 - auc_94:
0.5072 - val_loss: 1.4661 - val_auc_94: 0.5068
Epoch 174/500
267/267 [=====] - 1s 3ms/step - loss: 2.0307 - auc_94:
0.5066 - val_loss: 2.1156 - val_auc_94: 0.5102
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 2.6545 - auc_94:
0.5041 - val_loss: 2.0271 - val_auc_94: 0.5138
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 2.2314 - auc_94:
0.5103 - val_loss: 2.9040 - val_auc_94: 0.5143
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 2.3627 - auc_94:
0.5060 - val_loss: 3.6172 - val_auc_94: 0.5076
Epoch 178/500
267/267 [=====] - 1s 3ms/step - loss: 2.5974 - auc_94:
0.5069 - val_loss: 1.1352 - val_auc_94: 0.5138
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 2.5437 - auc_94:
0.5071 - val_loss: 2.8749 - val_auc_94: 0.5049
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 1.9914 - auc_94:
0.5074 - val_loss: 1.3905 - val_auc_94: 0.5150
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 2.6262 - auc_94:
0.5125 - val_loss: 2.1470 - val_auc_94: 0.5006
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 2.3645 - auc_94:
0.5071 - val_loss: 2.1897 - val_auc_94: 0.5112
Epoch 183/500
267/267 [=====] - 1s 3ms/step - loss: 2.4258 - auc_94:
0.5081 - val_loss: 2.4488 - val_auc_94: 0.4992
Epoch 184/500
267/267 [=====] - 1s 3ms/step - loss: 2.4506 - auc_94:
0.5092 - val_loss: 1.3591 - val_auc_94: 0.5053
Epoch 185/500
267/267 [=====] - 1s 3ms/step - loss: 2.0770 - auc_94:
0.5056 - val_loss: 3.0695 - val_auc_94: 0.5114
Epoch 186/500
267/267 [=====] - 1s 3ms/step - loss: 2.5045 - auc_94:
0.5046 - val_loss: 0.9978 - val_auc_94: 0.4997
Epoch 187/500
267/267 [=====] - 1s 3ms/step - loss: 2.3367 - auc_94:
0.5082 - val_loss: 1.8905 - val_auc_94: 0.4955
Epoch 188/500
267/267 [=====] - 1s 3ms/step - loss: 2.1296 - auc_94:
0.5075 - val_loss: 2.7128 - val_auc_94: 0.5088
Epoch 189/500

267/267 [=====] - 1s 3ms/step - loss: 2.1860 - auc_94:
0.5078 - val_loss: 1.9149 - val_auc_94: 0.5093
Epoch 190/500
267/267 [=====] - 1s 3ms/step - loss: 2.3510 - auc_94:
0.5094 - val_loss: 3.1782 - val_auc_94: 0.5114
Epoch 191/500
267/267 [=====] - 1s 3ms/step - loss: 2.2722 - auc_94:
0.5070 - val_loss: 3.5537 - val_auc_94: 0.4942
Epoch 192/500
267/267 [=====] - 1s 3ms/step - loss: 2.1388 - auc_94:
0.5074 - val_loss: 1.1086 - val_auc_94: 0.5012
Epoch 193/500
267/267 [=====] - 1s 3ms/step - loss: 1.9308 - auc_94:
0.5088 - val_loss: 2.7065 - val_auc_94: 0.4988
Epoch 194/500
267/267 [=====] - 1s 3ms/step - loss: 2.4622 - auc_94:
0.5094 - val_loss: 3.0945 - val_auc_94: 0.5054
Epoch 195/500
267/267 [=====] - 1s 3ms/step - loss: 2.6247 - auc_94:
0.5078 - val_loss: 2.2851 - val_auc_94: 0.5037
Epoch 196/500
267/267 [=====] - 1s 3ms/step - loss: 2.4435 - auc_94:
0.5044 - val_loss: 1.3554 - val_auc_94: 0.5077
Epoch 197/500
267/267 [=====] - 1s 3ms/step - loss: 1.9628 - auc_94:
0.5040 - val_loss: 2.6750 - val_auc_94: 0.4902
Epoch 198/500
267/267 [=====] - 1s 3ms/step - loss: 2.2293 - auc_94:
0.5068 - val_loss: 1.1317 - val_auc_94: 0.4981
Epoch 199/500
267/267 [=====] - 1s 3ms/step - loss: 2.2597 - auc_94:
0.5087 - val_loss: 2.0699 - val_auc_94: 0.4972
Epoch 200/500
267/267 [=====] - 1s 3ms/step - loss: 2.4314 - auc_94:
0.5057 - val_loss: 2.1718 - val_auc_94: 0.5051
Epoch 201/500
267/267 [=====] - 1s 3ms/step - loss: 2.2591 - auc_94:
0.5114 - val_loss: 2.4497 - val_auc_94: 0.5008
Epoch 202/500
267/267 [=====] - 1s 3ms/step - loss: 2.4999 - auc_94:
0.5094 - val_loss: 3.8517 - val_auc_94: 0.4960
Epoch 203/500
267/267 [=====] - 1s 3ms/step - loss: 2.5403 - auc_94:
0.5074 - val_loss: 3.4560 - val_auc_94: 0.5104
Epoch 204/500
267/267 [=====] - 1s 3ms/step - loss: 2.3303 - auc_94:
0.5039 - val_loss: 1.9178 - val_auc_94: 0.5077
Epoch 205/500

267/267 [=====] - 1s 3ms/step - loss: 2.4895 - auc_94:
0.5104 - val_loss: 3.3165 - val_auc_94: 0.4953
Epoch 206/500
267/267 [=====] - 1s 3ms/step - loss: 2.4122 - auc_94:
0.5079 - val_loss: 2.4626 - val_auc_94: 0.5046
Epoch 207/500
267/267 [=====] - 1s 3ms/step - loss: 2.1832 - auc_94:
0.5071 - val_loss: 2.0591 - val_auc_94: 0.5109
Epoch 208/500
267/267 [=====] - 1s 3ms/step - loss: 2.2842 - auc_94:
0.5114 - val_loss: 1.3195 - val_auc_94: 0.4996
Epoch 209/500
267/267 [=====] - 1s 3ms/step - loss: 2.2242 - auc_94:
0.5085 - val_loss: 2.8602 - val_auc_94: 0.5039
Epoch 210/500
267/267 [=====] - 1s 3ms/step - loss: 2.1415 - auc_94:
0.5089 - val_loss: 1.6576 - val_auc_94: 0.5115
Epoch 211/500
267/267 [=====] - 1s 3ms/step - loss: 2.4410 - auc_94:
0.5072 - val_loss: 2.3035 - val_auc_94: 0.4995
Epoch 212/500
267/267 [=====] - 1s 3ms/step - loss: 2.1609 - auc_94:
0.5084 - val_loss: 3.1794 - val_auc_94: 0.5072
Epoch 213/500
267/267 [=====] - 1s 3ms/step - loss: 2.2964 - auc_94:
0.5066 - val_loss: 1.8061 - val_auc_94: 0.5065
Epoch 214/500
267/267 [=====] - 1s 3ms/step - loss: 1.9447 - auc_94:
0.5091 - val_loss: 1.7554 - val_auc_94: 0.5108
Epoch 215/500
267/267 [=====] - 1s 3ms/step - loss: 2.1118 - auc_94:
0.5092 - val_loss: 2.0349 - val_auc_94: 0.4959
Epoch 216/500
267/267 [=====] - 1s 3ms/step - loss: 2.0179 - auc_94:
0.5113 - val_loss: 2.7782 - val_auc_94: 0.5068
Epoch 217/500
267/267 [=====] - 1s 3ms/step - loss: 2.3022 - auc_94:
0.5112 - val_loss: 1.1003 - val_auc_94: 0.4967
Epoch 218/500
267/267 [=====] - 1s 3ms/step - loss: 2.2939 - auc_94:
0.5075 - val_loss: 1.9044 - val_auc_94: 0.5108
Epoch 219/500
267/267 [=====] - 1s 3ms/step - loss: 2.2865 - auc_94:
0.5062 - val_loss: 2.2489 - val_auc_94: 0.5093
Epoch 220/500
267/267 [=====] - 1s 3ms/step - loss: 2.2455 - auc_94:
0.5074 - val_loss: 1.6584 - val_auc_94: 0.5102
Epoch 221/500

267/267 [=====] - 1s 3ms/step - loss: 2.1977 - auc_94:
0.5068 - val_loss: 1.6622 - val_auc_94: 0.4985
Epoch 222/500
267/267 [=====] - 1s 3ms/step - loss: 2.2447 - auc_94:
0.5057 - val_loss: 2.4995 - val_auc_94: 0.5107
Epoch 223/500
267/267 [=====] - 1s 3ms/step - loss: 2.4964 - auc_94:
0.5077 - val_loss: 2.6152 - val_auc_94: 0.5068
Epoch 224/500
267/267 [=====] - 1s 3ms/step - loss: 2.6122 - auc_94:
0.5082 - val_loss: 1.7474 - val_auc_94: 0.5161
Epoch 225/500
267/267 [=====] - 1s 3ms/step - loss: 2.7572 - auc_94:
0.5063 - val_loss: 2.3282 - val_auc_94: 0.5056
Epoch 226/500
267/267 [=====] - 1s 3ms/step - loss: 2.4588 - auc_94:
0.5082 - val_loss: 2.4552 - val_auc_94: 0.5026
Epoch 227/500
267/267 [=====] - 1s 3ms/step - loss: 2.2350 - auc_94:
0.5039 - val_loss: 1.5904 - val_auc_94: 0.5113
Epoch 228/500
267/267 [=====] - 1s 3ms/step - loss: 2.5666 - auc_94:
0.5087 - val_loss: 2.0330 - val_auc_94: 0.5066
Epoch 229/500
267/267 [=====] - 1s 3ms/step - loss: 2.5087 - auc_94:
0.5070 - val_loss: 4.2801 - val_auc_94: 0.5050
Epoch 230/500
267/267 [=====] - 1s 3ms/step - loss: 3.0930 - auc_94:
0.5086 - val_loss: 1.8947 - val_auc_94: 0.5063
Epoch 231/500
267/267 [=====] - 1s 3ms/step - loss: 2.3871 - auc_94:
0.5116 - val_loss: 1.7886 - val_auc_94: 0.5058
Epoch 232/500
267/267 [=====] - 1s 3ms/step - loss: 2.2788 - auc_94:
0.5078 - val_loss: 1.6177 - val_auc_94: 0.5085
Epoch 233/500
267/267 [=====] - 1s 3ms/step - loss: 2.3818 - auc_94:
0.5081 - val_loss: 3.4109 - val_auc_94: 0.4910
Epoch 234/500
267/267 [=====] - 1s 3ms/step - loss: 2.3696 - auc_94:
0.5085 - val_loss: 2.1727 - val_auc_94: 0.5080
Epoch 235/500
267/267 [=====] - 1s 3ms/step - loss: 2.9772 - auc_94:
0.5039 - val_loss: 3.7424 - val_auc_94: 0.5071
Epoch 236/500
267/267 [=====] - 1s 3ms/step - loss: 1.9978 - auc_94:
0.5090 - val_loss: 1.3620 - val_auc_94: 0.5146
Epoch 237/500

267/267 [=====] - 1s 3ms/step - loss: 2.1396 - auc_94:
 0.5073 - val_loss: 3.5842 - val_auc_94: 0.5110
 Epoch 238/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4367 - auc_94:
 0.5095 - val_loss: 2.8936 - val_auc_94: 0.5026
 Epoch 239/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3491 - auc_94:
 0.5084 - val_loss: 4.6672 - val_auc_94: 0.4949
 Epoch 240/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3150 - auc_94:
 0.5088 - val_loss: 1.9510 - val_auc_94: 0.4952
 Epoch 241/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2290 - auc_94:
 0.5070 - val_loss: 1.2552 - val_auc_94: 0.5039
 Epoch 242/500
 267/267 [=====] - 1s 3ms/step - loss: 1.9957 - auc_94:
 0.5094 - val_loss: 3.3858 - val_auc_94: 0.4988
 Epoch 243/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2317 - auc_94:
 0.5083 - val_loss: 1.4678 - val_auc_94: 0.4983
 Epoch 244/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5726 - auc_94:
 0.5062 - val_loss: 2.2711 - val_auc_94: 0.5131
 Epoch 245/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6506 - auc_94:
 0.5056 - val_loss: 1.6949 - val_auc_94: 0.5059
 Epoch 246/500
 267/267 [=====] - 1s 3ms/step - loss: 1.8977 - auc_94:
 0.5093 - val_loss: 1.3227 - val_auc_94: 0.5078
 Epoch 247/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1178 - auc_94:
 0.5076 - val_loss: 1.7907 - val_auc_94: 0.4986
 Epoch 248/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3581 - auc_94:
 0.5082 - val_loss: 4.0517 - val_auc_94: 0.4950
 Epoch 249/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3430 - auc_94:
 0.5075 - val_loss: 2.2457 - val_auc_94: 0.5060
 Epoch 250/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2842 - auc_94:
 0.5098 - val_loss: 3.0704 - val_auc_94: 0.5048
 Epoch 251/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2183 - auc_94:
 0.5083 - val_loss: 1.4831 - val_auc_94: 0.4966
 Epoch 252/500
 267/267 [=====] - 1s 3ms/step - loss: 1.8699 - auc_94:
 0.5111 - val_loss: 2.3427 - val_auc_94: 0.5020
 Epoch 253/500

267/267 [=====] - 1s 3ms/step - loss: 2.0551 - auc_94:
0.5098 - val_loss: 4.1197 - val_auc_94: 0.5009
Epoch 254/500
267/267 [=====] - 1s 3ms/step - loss: 2.6006 - auc_94:
0.5078 - val_loss: 2.6231 - val_auc_94: 0.5044
Epoch 255/500
267/267 [=====] - 1s 3ms/step - loss: 2.2085 - auc_94:
0.5092 - val_loss: 2.2634 - val_auc_94: 0.5144
Epoch 256/500
267/267 [=====] - 1s 3ms/step - loss: 2.3157 - auc_94:
0.5076 - val_loss: 2.7195 - val_auc_94: 0.5097
Epoch 257/500
267/267 [=====] - 1s 3ms/step - loss: 2.4438 - auc_94:
0.5096 - val_loss: 1.2418 - val_auc_94: 0.5110
Epoch 258/500
267/267 [=====] - 1s 3ms/step - loss: 2.3542 - auc_94:
0.5068 - val_loss: 3.4678 - val_auc_94: 0.5120
Epoch 259/500
267/267 [=====] - 1s 3ms/step - loss: 2.4289 - auc_94:
0.5098 - val_loss: 2.9548 - val_auc_94: 0.4973
Epoch 260/500
267/267 [=====] - 1s 3ms/step - loss: 1.9016 - auc_94:
0.5048 - val_loss: 1.6842 - val_auc_94: 0.4950
Epoch 261/500
267/267 [=====] - 1s 3ms/step - loss: 2.4056 - auc_94:
0.5085 - val_loss: 2.7995 - val_auc_94: 0.5098
Epoch 262/500
267/267 [=====] - 1s 3ms/step - loss: 2.1022 - auc_94:
0.5092 - val_loss: 2.4207 - val_auc_94: 0.5143
Epoch 263/500
267/267 [=====] - 1s 3ms/step - loss: 2.3428 - auc_94:
0.5115 - val_loss: 1.2886 - val_auc_94: 0.5004
Epoch 264/500
267/267 [=====] - 1s 3ms/step - loss: 2.6423 - auc_94:
0.5086 - val_loss: 2.4864 - val_auc_94: 0.5067
Epoch 265/500
267/267 [=====] - 1s 3ms/step - loss: 2.5169 - auc_94:
0.5071 - val_loss: 1.1225 - val_auc_94: 0.5168
Epoch 266/500
267/267 [=====] - 1s 3ms/step - loss: 2.5338 - auc_94:
0.5081 - val_loss: 1.5788 - val_auc_94: 0.5111
Epoch 267/500
267/267 [=====] - 1s 3ms/step - loss: 2.0597 - auc_94:
0.5052 - val_loss: 2.4718 - val_auc_94: 0.5072
Epoch 268/500
267/267 [=====] - 1s 3ms/step - loss: 2.2559 - auc_94:
0.5076 - val_loss: 2.2042 - val_auc_94: 0.5178
Epoch 269/500

267/267 [=====] - 1s 3ms/step - loss: 2.1496 - auc_94:
0.5108 - val_loss: 2.0328 - val_auc_94: 0.5037
Epoch 270/500
267/267 [=====] - 1s 3ms/step - loss: 2.2919 - auc_94:
0.5045 - val_loss: 1.6742 - val_auc_94: 0.4991
Epoch 271/500
267/267 [=====] - 1s 3ms/step - loss: 2.4161 - auc_94:
0.5089 - val_loss: 1.3791 - val_auc_94: 0.5085
Epoch 272/500
267/267 [=====] - 1s 3ms/step - loss: 2.4556 - auc_94:
0.5052 - val_loss: 2.3240 - val_auc_94: 0.4948
Epoch 273/500
267/267 [=====] - 1s 3ms/step - loss: 2.3218 - auc_94:
0.5039 - val_loss: 1.8115 - val_auc_94: 0.5058
Epoch 274/500
267/267 [=====] - 1s 3ms/step - loss: 2.3463 - auc_94:
0.5116 - val_loss: 2.2438 - val_auc_94: 0.4929
Epoch 275/500
267/267 [=====] - 1s 3ms/step - loss: 2.2154 - auc_94:
0.5088 - val_loss: 1.5772 - val_auc_94: 0.4962
Epoch 276/500
267/267 [=====] - 1s 3ms/step - loss: 2.3543 - auc_94:
0.5074 - val_loss: 2.4345 - val_auc_94: 0.5009
Epoch 277/500
267/267 [=====] - 1s 3ms/step - loss: 3.1616 - auc_94:
0.5072 - val_loss: 2.4345 - val_auc_94: 0.5102
Epoch 278/500
267/267 [=====] - 1s 3ms/step - loss: 2.9154 - auc_94:
0.5090 - val_loss: 1.7583 - val_auc_94: 0.4955
Epoch 279/500
267/267 [=====] - 1s 3ms/step - loss: 2.4621 - auc_94:
0.5056 - val_loss: 2.0514 - val_auc_94: 0.5166
Epoch 280/500
267/267 [=====] - 1s 3ms/step - loss: 2.4461 - auc_94:
0.5108 - val_loss: 1.8179 - val_auc_94: 0.5058
Epoch 281/500
267/267 [=====] - 1s 3ms/step - loss: 2.2790 - auc_94:
0.5086 - val_loss: 2.6560 - val_auc_94: 0.4890
Epoch 282/500
267/267 [=====] - 1s 3ms/step - loss: 2.2823 - auc_94:
0.5102 - val_loss: 2.9028 - val_auc_94: 0.5101
Epoch 283/500
267/267 [=====] - 1s 3ms/step - loss: 2.4466 - auc_94:
0.5089 - val_loss: 3.2539 - val_auc_94: 0.4935
Epoch 284/500
267/267 [=====] - 1s 3ms/step - loss: 2.2794 - auc_94:
0.5066 - val_loss: 1.4259 - val_auc_94: 0.5000
Epoch 285/500

267/267 [=====] - 1s 3ms/step - loss: 2.2706 - auc_94:
0.5036 - val_loss: 2.2735 - val_auc_94: 0.5070
Epoch 286/500
267/267 [=====] - 1s 3ms/step - loss: 2.2304 - auc_94:
0.5018 - val_loss: 1.9573 - val_auc_94: 0.5019
Epoch 287/500
267/267 [=====] - 1s 3ms/step - loss: 2.1030 - auc_94:
0.5130 - val_loss: 2.9138 - val_auc_94: 0.5126
Epoch 288/500
267/267 [=====] - 1s 3ms/step - loss: 2.2083 - auc_94:
0.5088 - val_loss: 2.3580 - val_auc_94: 0.5178
Epoch 289/500
267/267 [=====] - 1s 3ms/step - loss: 2.2230 - auc_94:
0.5076 - val_loss: 2.4475 - val_auc_94: 0.5075
Epoch 290/500
267/267 [=====] - 1s 3ms/step - loss: 2.4711 - auc_94:
0.5063 - val_loss: 2.2095 - val_auc_94: 0.5101
Epoch 291/500
267/267 [=====] - 1s 3ms/step - loss: 2.2018 - auc_94:
0.5100 - val_loss: 2.5250 - val_auc_94: 0.5105
Epoch 292/500
267/267 [=====] - 1s 3ms/step - loss: 2.5774 - auc_94:
0.5044 - val_loss: 3.4492 - val_auc_94: 0.5039
Epoch 293/500
267/267 [=====] - 1s 3ms/step - loss: 2.4551 - auc_94:
0.5049 - val_loss: 2.3087 - val_auc_94: 0.5155
Epoch 294/500
267/267 [=====] - 1s 3ms/step - loss: 2.3086 - auc_94:
0.5101 - val_loss: 2.2986 - val_auc_94: 0.5073
Epoch 295/500
267/267 [=====] - 1s 3ms/step - loss: 2.3913 - auc_94:
0.5095 - val_loss: 1.5055 - val_auc_94: 0.4977
Epoch 296/500
267/267 [=====] - 1s 3ms/step - loss: 2.1625 - auc_94:
0.5082 - val_loss: 1.8653 - val_auc_94: 0.5112
Epoch 297/500
267/267 [=====] - 1s 3ms/step - loss: 2.3917 - auc_94:
0.5088 - val_loss: 1.7006 - val_auc_94: 0.5096
Epoch 298/500
267/267 [=====] - 1s 3ms/step - loss: 2.3153 - auc_94:
0.5080 - val_loss: 1.8494 - val_auc_94: 0.5107
Epoch 299/500
267/267 [=====] - 1s 3ms/step - loss: 2.8170 - auc_94:
0.5052 - val_loss: 2.4338 - val_auc_94: 0.5104
Epoch 300/500
267/267 [=====] - 1s 3ms/step - loss: 1.9542 - auc_94:
0.5073 - val_loss: 1.5888 - val_auc_94: 0.5092
Epoch 301/500

267/267 [=====] - 1s 3ms/step - loss: 2.6844 - auc_94:
0.5059 - val_loss: 1.7923 - val_auc_94: 0.5150
Epoch 302/500
267/267 [=====] - 1s 3ms/step - loss: 2.7615 - auc_94:
0.5099 - val_loss: 2.0899 - val_auc_94: 0.4974
Epoch 303/500
267/267 [=====] - 1s 3ms/step - loss: 2.1066 - auc_94:
0.5088 - val_loss: 2.1410 - val_auc_94: 0.5010
Epoch 304/500
267/267 [=====] - 1s 3ms/step - loss: 2.1631 - auc_94:
0.5075 - val_loss: 3.4834 - val_auc_94: 0.4989
Epoch 305/500
267/267 [=====] - 1s 3ms/step - loss: 2.4938 - auc_94:
0.5071 - val_loss: 2.0637 - val_auc_94: 0.4982
Epoch 306/500
267/267 [=====] - 1s 3ms/step - loss: 2.2912 - auc_94:
0.5094 - val_loss: 1.4615 - val_auc_94: 0.5095
Epoch 307/500
267/267 [=====] - 1s 3ms/step - loss: 2.4595 - auc_94:
0.5079 - val_loss: 2.2369 - val_auc_94: 0.5024
Epoch 308/500
267/267 [=====] - 1s 3ms/step - loss: 2.2655 - auc_94:
0.5109 - val_loss: 1.8120 - val_auc_94: 0.5030
Epoch 309/500
267/267 [=====] - 1s 3ms/step - loss: 2.1591 - auc_94:
0.5087 - val_loss: 1.3811 - val_auc_94: 0.5144
Epoch 310/500
267/267 [=====] - 1s 3ms/step - loss: 2.3583 - auc_94:
0.5046 - val_loss: 1.5728 - val_auc_94: 0.5094
Epoch 311/500
267/267 [=====] - 1s 3ms/step - loss: 2.2662 - auc_94:
0.5091 - val_loss: 2.2409 - val_auc_94: 0.5010
Epoch 312/500
267/267 [=====] - 1s 3ms/step - loss: 2.3032 - auc_94:
0.5049 - val_loss: 1.8401 - val_auc_94: 0.5120
Epoch 313/500
267/267 [=====] - 1s 3ms/step - loss: 2.4150 - auc_94:
0.5067 - val_loss: 3.2339 - val_auc_94: 0.5037
Epoch 314/500
267/267 [=====] - 1s 3ms/step - loss: 2.5264 - auc_94:
0.5114 - val_loss: 3.5679 - val_auc_94: 0.4965
Epoch 315/500
267/267 [=====] - 1s 3ms/step - loss: 2.7425 - auc_94:
0.5094 - val_loss: 1.1757 - val_auc_94: 0.5136
Epoch 316/500
267/267 [=====] - 1s 3ms/step - loss: 2.2588 - auc_94:
0.5095 - val_loss: 1.9782 - val_auc_94: 0.4943
Epoch 317/500

267/267 [=====] - 1s 3ms/step - loss: 2.6634 - auc_94:
0.5074 - val_loss: 2.2694 - val_auc_94: 0.5100
Epoch 318/500
267/267 [=====] - 1s 3ms/step - loss: 2.4246 - auc_94:
0.5056 - val_loss: 1.8069 - val_auc_94: 0.5113
Epoch 319/500
267/267 [=====] - 1s 3ms/step - loss: 2.1243 - auc_94:
0.5091 - val_loss: 1.8415 - val_auc_94: 0.4985
Epoch 320/500
267/267 [=====] - 1s 3ms/step - loss: 2.3596 - auc_94:
0.5088 - val_loss: 2.5139 - val_auc_94: 0.5050
Epoch 321/500
267/267 [=====] - 1s 3ms/step - loss: 2.1899 - auc_94:
0.5126 - val_loss: 4.9835 - val_auc_94: 0.4976
Epoch 322/500
267/267 [=====] - 1s 3ms/step - loss: 2.3637 - auc_94:
0.5079 - val_loss: 3.9684 - val_auc_94: 0.5093
Epoch 323/500
267/267 [=====] - 1s 3ms/step - loss: 2.5936 - auc_94:
0.5044 - val_loss: 3.7995 - val_auc_94: 0.4940
Epoch 324/500
267/267 [=====] - 1s 3ms/step - loss: 2.4504 - auc_94:
0.5099 - val_loss: 2.0148 - val_auc_94: 0.4971
Epoch 325/500
267/267 [=====] - 1s 3ms/step - loss: 2.4600 - auc_94:
0.5073 - val_loss: 2.3854 - val_auc_94: 0.5129
Epoch 326/500
267/267 [=====] - 1s 3ms/step - loss: 2.3366 - auc_94:
0.5057 - val_loss: 3.7275 - val_auc_94: 0.5169
Epoch 327/500
267/267 [=====] - 1s 3ms/step - loss: 2.4811 - auc_94:
0.5074 - val_loss: 2.1844 - val_auc_94: 0.4914
Epoch 328/500
267/267 [=====] - 1s 3ms/step - loss: 2.2305 - auc_94:
0.5068 - val_loss: 1.8569 - val_auc_94: 0.5133
Epoch 329/500
267/267 [=====] - 1s 3ms/step - loss: 2.2211 - auc_94:
0.5085 - val_loss: 1.9523 - val_auc_94: 0.5089
Epoch 330/500
267/267 [=====] - 1s 3ms/step - loss: 2.1690 - auc_94:
0.5072 - val_loss: 2.5783 - val_auc_94: 0.5023
Epoch 331/500
267/267 [=====] - 1s 3ms/step - loss: 2.6012 - auc_94:
0.5100 - val_loss: 1.8021 - val_auc_94: 0.5155
Epoch 332/500
267/267 [=====] - 1s 3ms/step - loss: 2.2103 - auc_94:
0.5093 - val_loss: 1.4756 - val_auc_94: 0.4978
Epoch 333/500

267/267 [=====] - 1s 3ms/step - loss: 2.7330 - auc_94:
 0.5065 - val_loss: 1.6183 - val_auc_94: 0.4938
 Epoch 334/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2026 - auc_94:
 0.5057 - val_loss: 1.8420 - val_auc_94: 0.5133
 Epoch 335/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4719 - auc_94:
 0.5080 - val_loss: 1.4531 - val_auc_94: 0.5009
 Epoch 336/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3376 - auc_94:
 0.5060 - val_loss: 3.4279 - val_auc_94: 0.5096
 Epoch 337/500
 267/267 [=====] - 1s 3ms/step - loss: 2.7824 - auc_94:
 0.5074 - val_loss: 5.6563 - val_auc_94: 0.5010
 Epoch 338/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5068 - auc_94:
 0.5040 - val_loss: 1.9511 - val_auc_94: 0.4965
 Epoch 339/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2895 - auc_94:
 0.5057 - val_loss: 1.8247 - val_auc_94: 0.4999
 Epoch 340/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3229 - auc_94:
 0.5079 - val_loss: 1.9427 - val_auc_94: 0.4987
 Epoch 341/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1869 - auc_94:
 0.5068 - val_loss: 1.7547 - val_auc_94: 0.5018
 Epoch 342/500
 267/267 [=====] - 1s 3ms/step - loss: 1.8862 - auc_94:
 0.5062 - val_loss: 1.3527 - val_auc_94: 0.5040
 Epoch 343/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0303 - auc_94:
 0.5084 - val_loss: 1.7950 - val_auc_94: 0.4978
 Epoch 344/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3794 - auc_94:
 0.5120 - val_loss: 1.8334 - val_auc_94: 0.4972
 Epoch 345/500
 267/267 [=====] - 1s 3ms/step - loss: 1.8430 - auc_94:
 0.5095 - val_loss: 2.1378 - val_auc_94: 0.5119
 Epoch 346/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2572 - auc_94:
 0.5129 - val_loss: 2.4529 - val_auc_94: 0.5023
 Epoch 347/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6597 - auc_94:
 0.5089 - val_loss: 1.7022 - val_auc_94: 0.4913
 Epoch 348/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3088 - auc_94:
 0.5049 - val_loss: 1.2521 - val_auc_94: 0.5024
 Epoch 349/500

267/267 [=====] - 1s 3ms/step - loss: 2.6213 - auc_94:
0.5060 - val_loss: 3.7889 - val_auc_94: 0.5157
Epoch 350/500
267/267 [=====] - 1s 3ms/step - loss: 2.4501 - auc_94:
0.5065 - val_loss: 2.2156 - val_auc_94: 0.5088
Epoch 351/500
267/267 [=====] - 1s 3ms/step - loss: 2.0810 - auc_94:
0.5084 - val_loss: 2.5926 - val_auc_94: 0.5017
Epoch 352/500
267/267 [=====] - 1s 3ms/step - loss: 2.4131 - auc_94:
0.5066 - val_loss: 1.8000 - val_auc_94: 0.5049
Epoch 353/500
267/267 [=====] - 1s 3ms/step - loss: 2.2844 - auc_94:
0.5091 - val_loss: 1.4967 - val_auc_94: 0.5106
Epoch 354/500
267/267 [=====] - 1s 3ms/step - loss: 2.7288 - auc_94:
0.5072 - val_loss: 1.7190 - val_auc_94: 0.4989
Epoch 355/500
267/267 [=====] - 1s 3ms/step - loss: 2.5047 - auc_94:
0.5055 - val_loss: 1.7369 - val_auc_94: 0.4992
Epoch 356/500
267/267 [=====] - 1s 3ms/step - loss: 2.1038 - auc_94:
0.5097 - val_loss: 2.2884 - val_auc_94: 0.5011
Epoch 357/500
267/267 [=====] - 1s 3ms/step - loss: 2.1592 - auc_94:
0.5102 - val_loss: 1.5480 - val_auc_94: 0.5050
Epoch 358/500
267/267 [=====] - 1s 3ms/step - loss: 2.2483 - auc_94:
0.5086 - val_loss: 1.2372 - val_auc_94: 0.5028
Epoch 359/500
267/267 [=====] - 1s 3ms/step - loss: 2.5897 - auc_94:
0.5097 - val_loss: 2.1489 - val_auc_94: 0.4976
Epoch 360/500
267/267 [=====] - 1s 3ms/step - loss: 2.0640 - auc_94:
0.5073 - val_loss: 3.0872 - val_auc_94: 0.5018
Epoch 361/500
267/267 [=====] - 1s 3ms/step - loss: 2.1055 - auc_94:
0.5087 - val_loss: 2.2311 - val_auc_94: 0.4941
Epoch 362/500
267/267 [=====] - 1s 3ms/step - loss: 2.0735 - auc_94:
0.5074 - val_loss: 1.2790 - val_auc_94: 0.4983
Epoch 363/500
267/267 [=====] - 1s 3ms/step - loss: 2.7283 - auc_94:
0.5057 - val_loss: 2.3754 - val_auc_94: 0.5067
Epoch 364/500
267/267 [=====] - 1s 3ms/step - loss: 2.6288 - auc_94:
0.5085 - val_loss: 2.5760 - val_auc_94: 0.5057
Epoch 365/500

267/267 [=====] - 1s 3ms/step - loss: 2.8061 - auc_94:
0.5075 - val_loss: 2.0517 - val_auc_94: 0.5020
Epoch 366/500
267/267 [=====] - 1s 3ms/step - loss: 2.4647 - auc_94:
0.5112 - val_loss: 1.5792 - val_auc_94: 0.4976
Epoch 367/500
267/267 [=====] - 1s 3ms/step - loss: 2.2238 - auc_94:
0.5114 - val_loss: 3.0094 - val_auc_94: 0.5016
Epoch 368/500
267/267 [=====] - 1s 3ms/step - loss: 2.1355 - auc_94:
0.5094 - val_loss: 2.4006 - val_auc_94: 0.5000
Epoch 369/500
267/267 [=====] - 1s 3ms/step - loss: 2.3203 - auc_94:
0.5058 - val_loss: 2.8636 - val_auc_94: 0.5119
Epoch 370/500
267/267 [=====] - 1s 3ms/step - loss: 2.5964 - auc_94:
0.5100 - val_loss: 2.3924 - val_auc_94: 0.4983
Epoch 371/500
267/267 [=====] - 1s 3ms/step - loss: 2.5996 - auc_94:
0.5086 - val_loss: 1.7335 - val_auc_94: 0.4991
Epoch 372/500
267/267 [=====] - 1s 3ms/step - loss: 1.9593 - auc_94:
0.5075 - val_loss: 1.6586 - val_auc_94: 0.5092
Epoch 373/500
267/267 [=====] - 1s 3ms/step - loss: 2.2805 - auc_94:
0.5077 - val_loss: 2.1962 - val_auc_94: 0.5020
Epoch 374/500
267/267 [=====] - 1s 3ms/step - loss: 2.5232 - auc_94:
0.5052 - val_loss: 2.5122 - val_auc_94: 0.5093
Epoch 375/500
267/267 [=====] - 1s 3ms/step - loss: 2.5412 - auc_94:
0.5065 - val_loss: 1.9337 - val_auc_94: 0.4903
Epoch 376/500
267/267 [=====] - 1s 3ms/step - loss: 2.3360 - auc_94:
0.5072 - val_loss: 1.6193 - val_auc_94: 0.5073
Epoch 377/500
267/267 [=====] - 1s 3ms/step - loss: 2.2502 - auc_94:
0.5047 - val_loss: 3.1589 - val_auc_94: 0.5054
Epoch 378/500
267/267 [=====] - 1s 3ms/step - loss: 2.3568 - auc_94:
0.5067 - val_loss: 4.3145 - val_auc_94: 0.5062
Epoch 379/500
267/267 [=====] - 1s 3ms/step - loss: 2.0900 - auc_94:
0.5076 - val_loss: 1.6564 - val_auc_94: 0.5085
Epoch 380/500
267/267 [=====] - 1s 3ms/step - loss: 1.9847 - auc_94:
0.5075 - val_loss: 2.5314 - val_auc_94: 0.4971
Epoch 381/500

267/267 [=====] - 1s 3ms/step - loss: 2.2915 - auc_94:
0.5071 - val_loss: 3.1480 - val_auc_94: 0.5040
Epoch 382/500
267/267 [=====] - 1s 3ms/step - loss: 2.2720 - auc_94:
0.5101 - val_loss: 1.7268 - val_auc_94: 0.5048
Epoch 383/500
267/267 [=====] - 1s 3ms/step - loss: 2.7133 - auc_94:
0.5069 - val_loss: 3.4856 - val_auc_94: 0.5081
Epoch 384/500
267/267 [=====] - 1s 3ms/step - loss: 2.2586 - auc_94:
0.5078 - val_loss: 2.9272 - val_auc_94: 0.5068
Epoch 385/500
267/267 [=====] - 1s 3ms/step - loss: 2.5326 - auc_94:
0.5068 - val_loss: 2.1315 - val_auc_94: 0.5133
Epoch 386/500
267/267 [=====] - 1s 3ms/step - loss: 2.1555 - auc_94:
0.5050 - val_loss: 1.8752 - val_auc_94: 0.5055
Epoch 387/500
267/267 [=====] - 1s 3ms/step - loss: 1.9673 - auc_94:
0.5109 - val_loss: 1.9479 - val_auc_94: 0.4993
Epoch 388/500
267/267 [=====] - 1s 3ms/step - loss: 2.4028 - auc_94:
0.5050 - val_loss: 2.3525 - val_auc_94: 0.5070
Epoch 389/500
267/267 [=====] - 1s 3ms/step - loss: 2.2219 - auc_94:
0.5091 - val_loss: 1.8171 - val_auc_94: 0.5011
Epoch 390/500
267/267 [=====] - 1s 3ms/step - loss: 2.3962 - auc_94:
0.5039 - val_loss: 1.4570 - val_auc_94: 0.5119
Epoch 391/500
267/267 [=====] - 1s 3ms/step - loss: 2.3350 - auc_94:
0.5102 - val_loss: 2.2668 - val_auc_94: 0.5207
Epoch 392/500
267/267 [=====] - 1s 3ms/step - loss: 2.3597 - auc_94:
0.5062 - val_loss: 2.1590 - val_auc_94: 0.5006
Epoch 393/500
267/267 [=====] - 1s 3ms/step - loss: 2.1443 - auc_94:
0.5105 - val_loss: 1.6969 - val_auc_94: 0.4958
Epoch 394/500
267/267 [=====] - 1s 3ms/step - loss: 2.4075 - auc_94:
0.5049 - val_loss: 2.0792 - val_auc_94: 0.5088
Epoch 395/500
267/267 [=====] - 1s 3ms/step - loss: 2.4381 - auc_94:
0.5094 - val_loss: 5.7425 - val_auc_94: 0.4916
Epoch 396/500
267/267 [=====] - 1s 3ms/step - loss: 2.2057 - auc_94:
0.5048 - val_loss: 2.2039 - val_auc_94: 0.4918
Epoch 397/500

267/267 [=====] - 1s 3ms/step - loss: 2.4176 - auc_94:
0.5058 - val_loss: 2.2984 - val_auc_94: 0.5142
Epoch 398/500
267/267 [=====] - 1s 3ms/step - loss: 2.7270 - auc_94:
0.5062 - val_loss: 2.6905 - val_auc_94: 0.4937
Epoch 399/500
267/267 [=====] - 1s 3ms/step - loss: 1.9551 - auc_94:
0.5088 - val_loss: 2.4681 - val_auc_94: 0.5132
Epoch 400/500
267/267 [=====] - 1s 3ms/step - loss: 2.4015 - auc_94:
0.5006 - val_loss: 2.1085 - val_auc_94: 0.5099
Epoch 401/500
267/267 [=====] - 1s 3ms/step - loss: 2.1624 - auc_94:
0.5080 - val_loss: 2.3838 - val_auc_94: 0.5093
Epoch 402/500
267/267 [=====] - 1s 3ms/step - loss: 2.3478 - auc_94:
0.5106 - val_loss: 1.4007 - val_auc_94: 0.5100
Epoch 403/500
267/267 [=====] - 1s 3ms/step - loss: 2.2119 - auc_94:
0.5065 - val_loss: 1.5061 - val_auc_94: 0.5082
Epoch 404/500
267/267 [=====] - 1s 3ms/step - loss: 2.6046 - auc_94:
0.5065 - val_loss: 2.9928 - val_auc_94: 0.5041
Epoch 405/500
267/267 [=====] - 1s 3ms/step - loss: 2.5791 - auc_94:
0.5056 - val_loss: 1.2995 - val_auc_94: 0.5019
Epoch 406/500
267/267 [=====] - 1s 3ms/step - loss: 2.5677 - auc_94:
0.5077 - val_loss: 3.5183 - val_auc_94: 0.4975
Epoch 407/500
267/267 [=====] - 1s 3ms/step - loss: 2.2377 - auc_94:
0.5089 - val_loss: 1.6411 - val_auc_94: 0.5102
Epoch 408/500
267/267 [=====] - 1s 3ms/step - loss: 2.2226 - auc_94:
0.5090 - val_loss: 2.6355 - val_auc_94: 0.5092
Epoch 409/500
267/267 [=====] - 1s 3ms/step - loss: 2.5586 - auc_94:
0.5098 - val_loss: 2.8502 - val_auc_94: 0.5142
Epoch 410/500
267/267 [=====] - 1s 3ms/step - loss: 2.1226 - auc_94:
0.5092 - val_loss: 3.6098 - val_auc_94: 0.4935
Epoch 411/500
267/267 [=====] - 1s 3ms/step - loss: 2.4320 - auc_94:
0.5096 - val_loss: 2.9674 - val_auc_94: 0.5072
Epoch 412/500
267/267 [=====] - 1s 3ms/step - loss: 2.0635 - auc_94:
0.5080 - val_loss: 3.9498 - val_auc_94: 0.5084
Epoch 413/500

267/267 [=====] - 1s 3ms/step - loss: 2.0999 - auc_94:
0.5086 - val_loss: 2.4207 - val_auc_94: 0.5083
Epoch 414/500
267/267 [=====] - 1s 3ms/step - loss: 2.6293 - auc_94:
0.5065 - val_loss: 2.7039 - val_auc_94: 0.5062
Epoch 415/500
267/267 [=====] - 1s 3ms/step - loss: 2.6281 - auc_94:
0.5064 - val_loss: 2.6290 - val_auc_94: 0.5007
Epoch 416/500
267/267 [=====] - 1s 3ms/step - loss: 2.0863 - auc_94:
0.5062 - val_loss: 4.3926 - val_auc_94: 0.4870
Epoch 417/500
267/267 [=====] - 1s 3ms/step - loss: 2.3345 - auc_94:
0.5098 - val_loss: 1.6872 - val_auc_94: 0.4949
Epoch 418/500
267/267 [=====] - 1s 3ms/step - loss: 2.2114 - auc_94:
0.5071 - val_loss: 1.7422 - val_auc_94: 0.5017
Epoch 419/500
267/267 [=====] - 1s 3ms/step - loss: 2.1016 - auc_94:
0.5079 - val_loss: 2.9932 - val_auc_94: 0.5101
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 2.4038 - auc_94:
0.5070 - val_loss: 2.8688 - val_auc_94: 0.5102
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 2.3151 - auc_94:
0.5111 - val_loss: 3.0400 - val_auc_94: 0.4980
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 2.4053 - auc_94:
0.5057 - val_loss: 2.2682 - val_auc_94: 0.5050
Epoch 423/500
267/267 [=====] - 1s 3ms/step - loss: 2.3158 - auc_94:
0.5105 - val_loss: 1.5842 - val_auc_94: 0.5081
Epoch 424/500
267/267 [=====] - 1s 3ms/step - loss: 2.4014 - auc_94:
0.5065 - val_loss: 1.8121 - val_auc_94: 0.5027
Epoch 425/500
267/267 [=====] - 1s 3ms/step - loss: 2.4223 - auc_94:
0.5065 - val_loss: 2.8558 - val_auc_94: 0.5138
Epoch 426/500
267/267 [=====] - 1s 3ms/step - loss: 2.6348 - auc_94:
0.5050 - val_loss: 1.9047 - val_auc_94: 0.4984
Epoch 427/500
267/267 [=====] - 1s 3ms/step - loss: 2.0749 - auc_94:
0.5107 - val_loss: 1.4652 - val_auc_94: 0.5046
Epoch 428/500
267/267 [=====] - 1s 3ms/step - loss: 2.6505 - auc_94:
0.5060 - val_loss: 3.4636 - val_auc_94: 0.5061
Epoch 429/500

267/267 [=====] - 1s 3ms/step - loss: 2.4199 - auc_94:
0.5077 - val_loss: 1.8872 - val_auc_94: 0.5139
Epoch 430/500
267/267 [=====] - 1s 3ms/step - loss: 2.3062 - auc_94:
0.5066 - val_loss: 2.6138 - val_auc_94: 0.5012
Epoch 431/500
267/267 [=====] - 1s 3ms/step - loss: 2.4119 - auc_94:
0.5062 - val_loss: 1.9817 - val_auc_94: 0.4974
Epoch 432/500
267/267 [=====] - 1s 3ms/step - loss: 2.1910 - auc_94:
0.5098 - val_loss: 1.8389 - val_auc_94: 0.5041
Epoch 433/500
267/267 [=====] - 1s 3ms/step - loss: 2.1122 - auc_94:
0.5056 - val_loss: 2.5154 - val_auc_94: 0.5093
Epoch 434/500
267/267 [=====] - 1s 3ms/step - loss: 2.5281 - auc_94:
0.5070 - val_loss: 5.6672 - val_auc_94: 0.5029
Epoch 435/500
267/267 [=====] - 1s 3ms/step - loss: 2.5814 - auc_94:
0.5086 - val_loss: 1.6267 - val_auc_94: 0.5108
Epoch 436/500
267/267 [=====] - 1s 3ms/step - loss: 2.2240 - auc_94:
0.5059 - val_loss: 2.0948 - val_auc_94: 0.5057
Epoch 437/500
267/267 [=====] - 1s 3ms/step - loss: 2.3287 - auc_94:
0.5090 - val_loss: 2.0620 - val_auc_94: 0.5088
Epoch 438/500
267/267 [=====] - 1s 3ms/step - loss: 2.7906 - auc_94:
0.5088 - val_loss: 1.9878 - val_auc_94: 0.5057
Epoch 439/500
267/267 [=====] - 1s 3ms/step - loss: 2.2985 - auc_94:
0.5081 - val_loss: 2.4429 - val_auc_94: 0.5046
Epoch 440/500
267/267 [=====] - 1s 3ms/step - loss: 2.2457 - auc_94:
0.5078 - val_loss: 1.8453 - val_auc_94: 0.5042
Epoch 441/500
267/267 [=====] - 1s 3ms/step - loss: 1.9545 - auc_94:
0.5076 - val_loss: 2.3208 - val_auc_94: 0.5165
Epoch 442/500
267/267 [=====] - 1s 3ms/step - loss: 2.7578 - auc_94:
0.5042 - val_loss: 1.9269 - val_auc_94: 0.5113
Epoch 443/500
267/267 [=====] - 1s 3ms/step - loss: 2.3939 - auc_94:
0.5064 - val_loss: 3.4502 - val_auc_94: 0.4980
Epoch 444/500
267/267 [=====] - 1s 3ms/step - loss: 2.4944 - auc_94:
0.5048 - val_loss: 3.1134 - val_auc_94: 0.5019
Epoch 445/500

267/267 [=====] - 1s 3ms/step - loss: 2.1191 - auc_94:
0.5082 - val_loss: 1.5998 - val_auc_94: 0.5084
Epoch 446/500
267/267 [=====] - 1s 3ms/step - loss: 2.2747 - auc_94:
0.5074 - val_loss: 2.7959 - val_auc_94: 0.5056
Epoch 447/500
267/267 [=====] - 1s 3ms/step - loss: 2.5951 - auc_94:
0.5061 - val_loss: 3.0914 - val_auc_94: 0.5088
Epoch 448/500
267/267 [=====] - 1s 3ms/step - loss: 2.1699 - auc_94:
0.5094 - val_loss: 2.0066 - val_auc_94: 0.5106
Epoch 449/500
267/267 [=====] - 1s 3ms/step - loss: 2.3974 - auc_94:
0.5106 - val_loss: 1.6707 - val_auc_94: 0.5036
Epoch 450/500
267/267 [=====] - 1s 3ms/step - loss: 2.6920 - auc_94:
0.5046 - val_loss: 1.6099 - val_auc_94: 0.5045
Epoch 451/500
267/267 [=====] - 1s 3ms/step - loss: 2.2553 - auc_94:
0.5050 - val_loss: 4.0831 - val_auc_94: 0.5116
Epoch 452/500
267/267 [=====] - 1s 3ms/step - loss: 2.2397 - auc_94:
0.5106 - val_loss: 2.3390 - val_auc_94: 0.5048
Epoch 453/500
267/267 [=====] - 1s 3ms/step - loss: 2.3400 - auc_94:
0.5074 - val_loss: 2.3439 - val_auc_94: 0.5042
Epoch 454/500
267/267 [=====] - 1s 3ms/step - loss: 2.2957 - auc_94:
0.5077 - val_loss: 1.5501 - val_auc_94: 0.5041
Epoch 455/500
267/267 [=====] - 1s 3ms/step - loss: 2.1706 - auc_94:
0.5067 - val_loss: 2.0468 - val_auc_94: 0.5098
Epoch 456/500
267/267 [=====] - 1s 3ms/step - loss: 2.6630 - auc_94:
0.5087 - val_loss: 2.1884 - val_auc_94: 0.5087
Epoch 457/500
267/267 [=====] - 1s 3ms/step - loss: 2.2150 - auc_94:
0.5100 - val_loss: 1.3672 - val_auc_94: 0.5083
Epoch 458/500
267/267 [=====] - 1s 3ms/step - loss: 2.5307 - auc_94:
0.5124 - val_loss: 2.6766 - val_auc_94: 0.5113
Epoch 459/500
267/267 [=====] - 1s 3ms/step - loss: 2.2391 - auc_94:
0.5084 - val_loss: 1.7613 - val_auc_94: 0.5027
Epoch 460/500
267/267 [=====] - 1s 3ms/step - loss: 2.3310 - auc_94:
0.5076 - val_loss: 5.1969 - val_auc_94: 0.5158
Epoch 461/500

267/267 [=====] - 1s 3ms/step - loss: 2.3913 - auc_94:
0.5055 - val_loss: 2.2123 - val_auc_94: 0.5005
Epoch 462/500
267/267 [=====] - 1s 3ms/step - loss: 2.4863 - auc_94:
0.5054 - val_loss: 1.9260 - val_auc_94: 0.5139
Epoch 463/500
267/267 [=====] - 1s 3ms/step - loss: 1.8228 - auc_94:
0.5105 - val_loss: 1.8312 - val_auc_94: 0.5007
Epoch 464/500
267/267 [=====] - 1s 3ms/step - loss: 2.1922 - auc_94:
0.5116 - val_loss: 1.7757 - val_auc_94: 0.4899
Epoch 465/500
267/267 [=====] - 1s 3ms/step - loss: 2.2886 - auc_94:
0.5076 - val_loss: 1.8609 - val_auc_94: 0.5105
Epoch 466/500
267/267 [=====] - 1s 3ms/step - loss: 2.1217 - auc_94:
0.5105 - val_loss: 1.5932 - val_auc_94: 0.4904
Epoch 467/500
267/267 [=====] - 1s 3ms/step - loss: 2.6652 - auc_94:
0.5088 - val_loss: 3.5369 - val_auc_94: 0.4973
Epoch 468/500
267/267 [=====] - 1s 3ms/step - loss: 2.3287 - auc_94:
0.5033 - val_loss: 5.5259 - val_auc_94: 0.5085
Epoch 469/500
267/267 [=====] - 1s 3ms/step - loss: 2.4165 - auc_94:
0.5086 - val_loss: 5.5668 - val_auc_94: 0.5163
Epoch 470/500
267/267 [=====] - 1s 3ms/step - loss: 2.5161 - auc_94:
0.5057 - val_loss: 2.4348 - val_auc_94: 0.5056
Epoch 471/500
267/267 [=====] - 1s 3ms/step - loss: 2.5770 - auc_94:
0.5088 - val_loss: 4.5527 - val_auc_94: 0.5001
Epoch 472/500
267/267 [=====] - 1s 3ms/step - loss: 2.3370 - auc_94:
0.5046 - val_loss: 2.6258 - val_auc_94: 0.4950
Epoch 473/500
267/267 [=====] - 1s 3ms/step - loss: 2.4834 - auc_94:
0.5069 - val_loss: 2.0659 - val_auc_94: 0.5050
Epoch 474/500
267/267 [=====] - 1s 3ms/step - loss: 2.9088 - auc_94:
0.5108 - val_loss: 1.5913 - val_auc_94: 0.5104
Epoch 475/500
267/267 [=====] - 1s 3ms/step - loss: 2.5963 - auc_94:
0.5095 - val_loss: 2.8628 - val_auc_94: 0.5090
Epoch 476/500
267/267 [=====] - 1s 3ms/step - loss: 2.0691 - auc_94:
0.5072 - val_loss: 2.1442 - val_auc_94: 0.4979
Epoch 477/500

267/267 [=====] - 1s 3ms/step - loss: 2.1238 - auc_94:
0.5086 - val_loss: 1.6959 - val_auc_94: 0.4962
Epoch 478/500
267/267 [=====] - 1s 3ms/step - loss: 2.3768 - auc_94:
0.5122 - val_loss: 2.9585 - val_auc_94: 0.5052
Epoch 479/500
267/267 [=====] - 1s 3ms/step - loss: 2.8632 - auc_94:
0.5067 - val_loss: 2.3234 - val_auc_94: 0.5113
Epoch 480/500
267/267 [=====] - 1s 3ms/step - loss: 2.3180 - auc_94:
0.5090 - val_loss: 2.4251 - val_auc_94: 0.5098
Epoch 481/500
267/267 [=====] - 1s 3ms/step - loss: 2.1654 - auc_94:
0.5075 - val_loss: 2.0611 - val_auc_94: 0.5087
Epoch 482/500
267/267 [=====] - 1s 3ms/step - loss: 2.2454 - auc_94:
0.5101 - val_loss: 1.4866 - val_auc_94: 0.5157
Epoch 483/500
267/267 [=====] - 1s 3ms/step - loss: 2.5126 - auc_94:
0.5080 - val_loss: 1.8508 - val_auc_94: 0.4909
Epoch 484/500
267/267 [=====] - 1s 3ms/step - loss: 2.5557 - auc_94:
0.5047 - val_loss: 2.3594 - val_auc_94: 0.5057
Epoch 485/500
267/267 [=====] - 1s 3ms/step - loss: 2.5767 - auc_94:
0.5104 - val_loss: 2.0414 - val_auc_94: 0.5082
Epoch 486/500
267/267 [=====] - 1s 3ms/step - loss: 2.2732 - auc_94:
0.5069 - val_loss: 3.4660 - val_auc_94: 0.5105
Epoch 487/500
267/267 [=====] - 1s 3ms/step - loss: 2.4088 - auc_94:
0.5058 - val_loss: 2.0098 - val_auc_94: 0.5056
Epoch 488/500
267/267 [=====] - 1s 3ms/step - loss: 1.9962 - auc_94:
0.5099 - val_loss: 2.5282 - val_auc_94: 0.5140
Epoch 489/500
267/267 [=====] - 1s 3ms/step - loss: 2.2966 - auc_94:
0.5072 - val_loss: 1.5785 - val_auc_94: 0.4917
Epoch 490/500
267/267 [=====] - 1s 3ms/step - loss: 2.2429 - auc_94:
0.5106 - val_loss: 1.6146 - val_auc_94: 0.4938
Epoch 491/500
267/267 [=====] - 1s 3ms/step - loss: 2.4299 - auc_94:
0.5057 - val_loss: 2.7619 - val_auc_94: 0.5085
Epoch 492/500
267/267 [=====] - 1s 3ms/step - loss: 2.2430 - auc_94:
0.5096 - val_loss: 2.2090 - val_auc_94: 0.5141
Epoch 493/500

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267/267 [=====] - 1s 3ms/step - loss: 2.2981 - auc_94:
0.5043 - val_loss: 2.3379 - val_auc_94: 0.5004
Epoch 494/500
267/267 [=====] - 1s 3ms/step - loss: 2.4576 - auc_94:
0.5086 - val_loss: 1.9532 - val_auc_94: 0.5023
Epoch 495/500
267/267 [=====] - 1s 3ms/step - loss: 2.6192 - auc_94:
0.5059 - val_loss: 1.6385 - val_auc_94: 0.5005
Epoch 496/500
267/267 [=====] - 1s 3ms/step - loss: 2.4124 - auc_94:
0.5047 - val_loss: 1.7014 - val_auc_94: 0.5123
Epoch 497/500
267/267 [=====] - 1s 3ms/step - loss: 2.4672 - auc_94:
0.5057 - val_loss: 3.9105 - val_auc_94: 0.4950
Epoch 498/500
267/267 [=====] - 1s 3ms/step - loss: 2.3056 - auc_94:
0.5077 - val_loss: 2.1006 - val_auc_94: 0.5107
Epoch 499/500
267/267 [=====] - 1s 3ms/step - loss: 2.1865 - auc_94:
0.5103 - val_loss: 3.9424 - val_auc_94: 0.5007
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 1.9607 - auc_94:
0.5091 - val_loss: 1.8699 - val_auc_94: 0.4922
625/625 [=====] - 0s 548us/step
[CV] ... epochs=500, learning_rate=0.01, score=0.505, total= 6.4min
[CV] epochs=500, learning_rate=0.01 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 3.0129 - auc_95:
0.5066 - val_loss: 2.7016 - val_auc_95: 0.4970
Epoch 2/500
267/267 [=====] - 1s 3ms/step - loss: 2.6197 - auc_95:
0.5058 - val_loss: 1.5822 - val_auc_95: 0.4998
Epoch 3/500
267/267 [=====] - 1s 3ms/step - loss: 2.0851 - auc_95:
0.5079 - val_loss: 2.3295 - val_auc_95: 0.5075
Epoch 4/500
267/267 [=====] - 1s 3ms/step - loss: 1.9992 - auc_95:
0.5068 - val_loss: 2.1102 - val_auc_95: 0.4981
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 2.7194 - auc_95:
0.5094 - val_loss: 2.7468 - val_auc_95: 0.5053
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 2.6326 - auc_95:
0.5078 - val_loss: 2.1259 - val_auc_95: 0.5009
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 2.8982 - auc_95:
0.5051 - val_loss: 1.9477 - val_auc_95: 0.5161
Epoch 8/500

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267/267 [=====] - 1s 3ms/step - loss: 2.2109 - auc_95:
0.5072 - val_loss: 1.1944 - val_auc_95: 0.4949
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 2.1642 - auc_95:
0.5080 - val_loss: 2.9384 - val_auc_95: 0.4943
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 2.0820 - auc_95:
0.5100 - val_loss: 1.2589 - val_auc_95: 0.5110
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 2.5637 - auc_95:
0.5071 - val_loss: 2.2339 - val_auc_95: 0.5070
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 2.5428 - auc_95:
0.5099 - val_loss: 4.9718 - val_auc_95: 0.5034
Epoch 13/500
267/267 [=====] - 1s 3ms/step - loss: 2.2480 - auc_95:
0.5072 - val_loss: 1.5111 - val_auc_95: 0.5074
Epoch 14/500
267/267 [=====] - 1s 3ms/step - loss: 2.2863 - auc_95:
0.5055 - val_loss: 2.0341 - val_auc_95: 0.4980
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 2.2883 - auc_95:
0.5074 - val_loss: 1.2966 - val_auc_95: 0.5086
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 2.2066 - auc_95:
0.5048 - val_loss: 1.5466 - val_auc_95: 0.5048
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 2.4285 - auc_95:
0.5080 - val_loss: 1.6044 - val_auc_95: 0.5084
Epoch 18/500
267/267 [=====] - 1s 3ms/step - loss: 2.1468 - auc_95:
0.5084 - val_loss: 1.3176 - val_auc_95: 0.5108
Epoch 19/500
267/267 [=====] - 1s 3ms/step - loss: 1.9488 - auc_95:
0.5088 - val_loss: 2.8989 - val_auc_95: 0.5160
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 2.1886 - auc_95:
0.5117 - val_loss: 0.9922 - val_auc_95: 0.5087
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 2.2014 - auc_95:
0.5073 - val_loss: 2.8667 - val_auc_95: 0.4992
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 2.2676 - auc_95:
0.5082 - val_loss: 1.5954 - val_auc_95: 0.5004
Epoch 23/500
267/267 [=====] - 1s 3ms/step - loss: 2.4284 - auc_95:
0.5063 - val_loss: 2.1384 - val_auc_95: 0.5096
Epoch 24/500

267/267 [=====] - 1s 3ms/step - loss: 2.4382 - auc_95:
0.5095 - val_loss: 1.5613 - val_auc_95: 0.5074
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 2.4243 - auc_95:
0.5068 - val_loss: 1.6330 - val_auc_95: 0.4977
Epoch 26/500
267/267 [=====] - 1s 3ms/step - loss: 2.3576 - auc_95:
0.5089 - val_loss: 2.5888 - val_auc_95: 0.5088
Epoch 27/500
267/267 [=====] - 1s 3ms/step - loss: 2.1219 - auc_95:
0.5084 - val_loss: 2.4111 - val_auc_95: 0.5135
Epoch 28/500
267/267 [=====] - 1s 3ms/step - loss: 2.5189 - auc_95:
0.5052 - val_loss: 3.0367 - val_auc_95: 0.5071
Epoch 29/500
267/267 [=====] - 1s 3ms/step - loss: 2.3358 - auc_95:
0.5082 - val_loss: 1.7261 - val_auc_95: 0.5061
Epoch 30/500
267/267 [=====] - 1s 3ms/step - loss: 2.1131 - auc_95:
0.5082 - val_loss: 1.2173 - val_auc_95: 0.4915
Epoch 31/500
267/267 [=====] - 1s 3ms/step - loss: 2.6352 - auc_95:
0.5049 - val_loss: 2.5317 - val_auc_95: 0.5034
Epoch 32/500
267/267 [=====] - 1s 3ms/step - loss: 2.0419 - auc_95:
0.5076 - val_loss: 3.4725 - val_auc_95: 0.5101
Epoch 33/500
267/267 [=====] - 1s 3ms/step - loss: 2.3075 - auc_95:
0.5079 - val_loss: 2.2563 - val_auc_95: 0.5058
Epoch 34/500
267/267 [=====] - 1s 3ms/step - loss: 2.1248 - auc_95:
0.5093 - val_loss: 3.0008 - val_auc_95: 0.5087
Epoch 35/500
267/267 [=====] - 1s 3ms/step - loss: 2.2689 - auc_95:
0.5092 - val_loss: 2.2787 - val_auc_95: 0.5058
Epoch 36/500
267/267 [=====] - 1s 3ms/step - loss: 2.4191 - auc_95:
0.5111 - val_loss: 2.8268 - val_auc_95: 0.5080
Epoch 37/500
267/267 [=====] - 1s 3ms/step - loss: 2.3889 - auc_95:
0.5087 - val_loss: 2.5456 - val_auc_95: 0.4967
Epoch 38/500
267/267 [=====] - 1s 3ms/step - loss: 2.8574 - auc_95:
0.5057 - val_loss: 1.8571 - val_auc_95: 0.5122
Epoch 39/500
267/267 [=====] - 1s 3ms/step - loss: 2.1586 - auc_95:
0.5075 - val_loss: 2.5156 - val_auc_95: 0.5094
Epoch 40/500

267/267 [=====] - 1s 3ms/step - loss: 2.1576 - auc_95:
0.5052 - val_loss: 2.0694 - val_auc_95: 0.5000
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 2.1597 - auc_95:
0.5086 - val_loss: 1.2832 - val_auc_95: 0.5118
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 2.2845 - auc_95:
0.5076 - val_loss: 1.8956 - val_auc_95: 0.5034
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 2.3515 - auc_95:
0.5053 - val_loss: 1.0760 - val_auc_95: 0.5077
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 2.4973 - auc_95:
0.5041 - val_loss: 2.6694 - val_auc_95: 0.5078
Epoch 45/500
267/267 [=====] - 1s 3ms/step - loss: 2.4773 - auc_95:
0.5073 - val_loss: 3.1837 - val_auc_95: 0.4980
Epoch 46/500
267/267 [=====] - 1s 3ms/step - loss: 2.3740 - auc_95:
0.5088 - val_loss: 4.6244 - val_auc_95: 0.4960
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 2.1395 - auc_95:
0.5094 - val_loss: 1.6386 - val_auc_95: 0.4995
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 2.3930 - auc_95:
0.5102 - val_loss: 2.9211 - val_auc_95: 0.5018
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 2.1396 - auc_95:
0.5080 - val_loss: 2.2660 - val_auc_95: 0.5088
Epoch 50/500
267/267 [=====] - 1s 3ms/step - loss: 2.3402 - auc_95:
0.5102 - val_loss: 1.8035 - val_auc_95: 0.4941
Epoch 51/500
267/267 [=====] - 1s 3ms/step - loss: 2.2693 - auc_95:
0.5090 - val_loss: 3.1706 - val_auc_95: 0.5055
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 2.7548 - auc_95:
0.5048 - val_loss: 2.3619 - val_auc_95: 0.5052
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 2.3554 - auc_95:
0.5117 - val_loss: 1.2171 - val_auc_95: 0.5155
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 2.4570 - auc_95:
0.5117 - val_loss: 2.6761 - val_auc_95: 0.5042
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 2.6473 - auc_95:
0.5080 - val_loss: 2.7993 - val_auc_95: 0.5126
Epoch 56/500

267/267 [=====] - 1s 3ms/step - loss: 2.0856 - auc_95:
0.5112 - val_loss: 2.5810 - val_auc_95: 0.5085
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 2.8586 - auc_95:
0.5045 - val_loss: 1.9541 - val_auc_95: 0.5034
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 2.3270 - auc_95:
0.5087 - val_loss: 5.4661 - val_auc_95: 0.5079
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 2.2245 - auc_95:
0.5097 - val_loss: 2.2381 - val_auc_95: 0.5019
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 2.0273 - auc_95:
0.5083 - val_loss: 2.5542 - val_auc_95: 0.5094
Epoch 61/500
267/267 [=====] - 1s 3ms/step - loss: 2.5902 - auc_95:
0.5065 - val_loss: 3.3951 - val_auc_95: 0.4960
Epoch 62/500
267/267 [=====] - 1s 3ms/step - loss: 2.1792 - auc_95:
0.5093 - val_loss: 5.0388 - val_auc_95: 0.4964
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 2.1826 - auc_95:
0.5105 - val_loss: 2.1419 - val_auc_95: 0.5160
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 2.6194 - auc_95:
0.5081 - val_loss: 3.2414 - val_auc_95: 0.5096
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 3.2647 - auc_95:
0.5072 - val_loss: 1.8387 - val_auc_95: 0.4987
Epoch 66/500
267/267 [=====] - 1s 3ms/step - loss: 2.1791 - auc_95:
0.5104 - val_loss: 1.9217 - val_auc_95: 0.5023
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 2.1036 - auc_95:
0.5105 - val_loss: 2.7001 - val_auc_95: 0.5106
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 2.1599 - auc_95:
0.5126 - val_loss: 1.2868 - val_auc_95: 0.5158
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 2.1779 - auc_95:
0.5080 - val_loss: 2.1693 - val_auc_95: 0.5093
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 1.9577 - auc_95:
0.5127 - val_loss: 1.3053 - val_auc_95: 0.5008
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 2.3235 - auc_95:
0.5078 - val_loss: 2.9927 - val_auc_95: 0.5073
Epoch 72/500

267/267 [=====] - 1s 3ms/step - loss: 1.9848 - auc_95:
0.5088 - val_loss: 1.6327 - val_auc_95: 0.4980
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 2.5880 - auc_95:
0.5093 - val_loss: 3.4555 - val_auc_95: 0.5046
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 2.2680 - auc_95:
0.5085 - val_loss: 1.4884 - val_auc_95: 0.5065
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 1.9572 - auc_95:
0.5119 - val_loss: 2.1010 - val_auc_95: 0.5122
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 2.4735 - auc_95:
0.5065 - val_loss: 2.1158 - val_auc_95: 0.4889
Epoch 77/500
267/267 [=====] - 1s 3ms/step - loss: 2.1822 - auc_95:
0.5090 - val_loss: 2.7888 - val_auc_95: 0.5118
Epoch 78/500
267/267 [=====] - 1s 3ms/step - loss: 2.2612 - auc_95:
0.5076 - val_loss: 2.5692 - val_auc_95: 0.5076
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 2.2314 - auc_95:
0.5076 - val_loss: 3.7833 - val_auc_95: 0.4979
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 2.2480 - auc_95:
0.5092 - val_loss: 2.3157 - val_auc_95: 0.5065
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 2.0375 - auc_95:
0.5070 - val_loss: 2.3340 - val_auc_95: 0.5132
Epoch 82/500
267/267 [=====] - 1s 3ms/step - loss: 2.1378 - auc_95:
0.5042 - val_loss: 2.0163 - val_auc_95: 0.5011
Epoch 83/500
267/267 [=====] - 1s 3ms/step - loss: 2.1630 - auc_95:
0.5081 - val_loss: 2.4486 - val_auc_95: 0.5055
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 2.0439 - auc_95:
0.5087 - val_loss: 2.1157 - val_auc_95: 0.5067
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 2.6839 - auc_95:
0.5072 - val_loss: 3.6084 - val_auc_95: 0.5022
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 2.4357 - auc_95:
0.5059 - val_loss: 1.8299 - val_auc_95: 0.5040
Epoch 87/500
267/267 [=====] - 1s 3ms/step - loss: 2.2738 - auc_95:
0.5061 - val_loss: 2.0771 - val_auc_95: 0.5005
Epoch 88/500

267/267 [=====] - 1s 3ms/step - loss: 2.6315 - auc_95:
0.5080 - val_loss: 2.8854 - val_auc_95: 0.5010
Epoch 89/500
267/267 [=====] - 1s 3ms/step - loss: 2.6342 - auc_95:
0.5098 - val_loss: 3.9890 - val_auc_95: 0.4907
Epoch 90/500
267/267 [=====] - 1s 3ms/step - loss: 2.4356 - auc_95:
0.5070 - val_loss: 1.4318 - val_auc_95: 0.5154
Epoch 91/500
267/267 [=====] - 1s 3ms/step - loss: 2.3073 - auc_95:
0.5090 - val_loss: 3.8924 - val_auc_95: 0.5114
Epoch 92/500
267/267 [=====] - 1s 3ms/step - loss: 2.4210 - auc_95:
0.5115 - val_loss: 1.2310 - val_auc_95: 0.5089
Epoch 93/500
267/267 [=====] - 1s 3ms/step - loss: 2.2270 - auc_95:
0.5115 - val_loss: 1.9622 - val_auc_95: 0.5050
Epoch 94/500
267/267 [=====] - 1s 3ms/step - loss: 2.3037 - auc_95:
0.5096 - val_loss: 1.4524 - val_auc_95: 0.5148
Epoch 95/500
267/267 [=====] - 1s 3ms/step - loss: 2.0015 - auc_95:
0.5074 - val_loss: 1.5477 - val_auc_95: 0.5062
Epoch 96/500
267/267 [=====] - 1s 3ms/step - loss: 2.0208 - auc_95:
0.5128 - val_loss: 1.5351 - val_auc_95: 0.5081
Epoch 97/500
267/267 [=====] - 1s 3ms/step - loss: 2.4825 - auc_95:
0.5063 - val_loss: 3.6844 - val_auc_95: 0.5024
Epoch 98/500
267/267 [=====] - 1s 3ms/step - loss: 2.5493 - auc_95:
0.5076 - val_loss: 1.5452 - val_auc_95: 0.5025
Epoch 99/500
267/267 [=====] - 1s 3ms/step - loss: 2.2417 - auc_95:
0.5056 - val_loss: 2.6859 - val_auc_95: 0.5010
Epoch 100/500
267/267 [=====] - 1s 3ms/step - loss: 2.2039 - auc_95:
0.5022 - val_loss: 2.4204 - val_auc_95: 0.5023
Epoch 101/500
267/267 [=====] - 1s 3ms/step - loss: 2.5656 - auc_95:
0.5055 - val_loss: 1.5474 - val_auc_95: 0.5025
Epoch 102/500
267/267 [=====] - 1s 3ms/step - loss: 2.0882 - auc_95:
0.5085 - val_loss: 2.1298 - val_auc_95: 0.5105
Epoch 103/500
267/267 [=====] - 1s 3ms/step - loss: 2.5301 - auc_95:
0.5091 - val_loss: 2.6688 - val_auc_95: 0.5013
Epoch 104/500

267/267 [=====] - 1s 3ms/step - loss: 2.5273 - auc_95:
0.5097 - val_loss: 2.6038 - val_auc_95: 0.5057
Epoch 105/500
267/267 [=====] - 1s 3ms/step - loss: 1.9172 - auc_95:
0.5097 - val_loss: 1.6924 - val_auc_95: 0.5003
Epoch 106/500
267/267 [=====] - 1s 3ms/step - loss: 2.2144 - auc_95:
0.5084 - val_loss: 2.1564 - val_auc_95: 0.5012
Epoch 107/500
267/267 [=====] - 1s 3ms/step - loss: 2.2961 - auc_95:
0.5108 - val_loss: 1.8883 - val_auc_95: 0.5111
Epoch 108/500
267/267 [=====] - 1s 3ms/step - loss: 2.3707 - auc_95:
0.5092 - val_loss: 1.6001 - val_auc_95: 0.4943
Epoch 109/500
267/267 [=====] - 1s 3ms/step - loss: 1.9673 - auc_95:
0.5056 - val_loss: 1.6021 - val_auc_95: 0.5077
Epoch 110/500
267/267 [=====] - 1s 3ms/step - loss: 2.3640 - auc_95:
0.5071 - val_loss: 1.7407 - val_auc_95: 0.5043
Epoch 111/500
267/267 [=====] - 1s 3ms/step - loss: 1.9461 - auc_95:
0.5106 - val_loss: 1.8426 - val_auc_95: 0.5085
Epoch 112/500
267/267 [=====] - 1s 3ms/step - loss: 2.1106 - auc_95:
0.5096 - val_loss: 2.2352 - val_auc_95: 0.5135
Epoch 113/500
267/267 [=====] - 1s 3ms/step - loss: 2.1367 - auc_95:
0.5097 - val_loss: 2.3414 - val_auc_95: 0.5114
Epoch 114/500
267/267 [=====] - 1s 3ms/step - loss: 2.5354 - auc_95:
0.5087 - val_loss: 1.5646 - val_auc_95: 0.4961
Epoch 115/500
267/267 [=====] - 1s 3ms/step - loss: 2.1635 - auc_95:
0.5063 - val_loss: 1.7351 - val_auc_95: 0.5096
Epoch 116/500
267/267 [=====] - 1s 3ms/step - loss: 2.5223 - auc_95:
0.5105 - val_loss: 1.7170 - val_auc_95: 0.5119
Epoch 117/500
267/267 [=====] - 1s 3ms/step - loss: 2.5076 - auc_95:
0.5095 - val_loss: 2.8939 - val_auc_95: 0.5037
Epoch 118/500
267/267 [=====] - 1s 3ms/step - loss: 2.4029 - auc_95:
0.5059 - val_loss: 1.0274 - val_auc_95: 0.5062
Epoch 119/500
267/267 [=====] - 1s 3ms/step - loss: 2.8256 - auc_95:
0.5078 - val_loss: 3.1070 - val_auc_95: 0.5134
Epoch 120/500

267/267 [=====] - 1s 3ms/step - loss: 2.6626 - auc_95:
0.5084 - val_loss: 2.4937 - val_auc_95: 0.4958
Epoch 121/500
267/267 [=====] - 1s 3ms/step - loss: 2.5642 - auc_95:
0.5082 - val_loss: 3.2047 - val_auc_95: 0.5079
Epoch 122/500
267/267 [=====] - 1s 3ms/step - loss: 2.1379 - auc_95:
0.5100 - val_loss: 2.3100 - val_auc_95: 0.5012
Epoch 123/500
267/267 [=====] - 1s 3ms/step - loss: 2.3071 - auc_95:
0.5093 - val_loss: 2.2626 - val_auc_95: 0.5102
Epoch 124/500
267/267 [=====] - 1s 3ms/step - loss: 2.0821 - auc_95:
0.5115 - val_loss: 2.3631 - val_auc_95: 0.5079
Epoch 125/500
267/267 [=====] - 1s 3ms/step - loss: 2.4633 - auc_95:
0.5084 - val_loss: 2.3813 - val_auc_95: 0.5068
Epoch 126/500
267/267 [=====] - 1s 3ms/step - loss: 2.3343 - auc_95:
0.5073 - val_loss: 5.1727 - val_auc_95: 0.5020
Epoch 127/500
267/267 [=====] - 1s 3ms/step - loss: 2.7503 - auc_95:
0.5085 - val_loss: 1.5005 - val_auc_95: 0.5138
Epoch 128/500
267/267 [=====] - 1s 3ms/step - loss: 2.2651 - auc_95:
0.5074 - val_loss: 2.5490 - val_auc_95: 0.5071
Epoch 129/500
267/267 [=====] - 1s 3ms/step - loss: 1.9815 - auc_95:
0.5091 - val_loss: 2.4237 - val_auc_95: 0.5134
Epoch 130/500
267/267 [=====] - 1s 3ms/step - loss: 2.2521 - auc_95:
0.5099 - val_loss: 1.8698 - val_auc_95: 0.5088
Epoch 131/500
267/267 [=====] - 1s 3ms/step - loss: 2.2003 - auc_95:
0.5064 - val_loss: 1.2555 - val_auc_95: 0.5110
Epoch 132/500
267/267 [=====] - 1s 3ms/step - loss: 2.1066 - auc_95:
0.5121 - val_loss: 2.2568 - val_auc_95: 0.5091
Epoch 133/500
267/267 [=====] - 1s 3ms/step - loss: 2.0998 - auc_95:
0.5065 - val_loss: 1.6370 - val_auc_95: 0.5046
Epoch 134/500
267/267 [=====] - 1s 3ms/step - loss: 2.5177 - auc_95:
0.5111 - val_loss: 2.5760 - val_auc_95: 0.5076
Epoch 135/500
267/267 [=====] - 1s 3ms/step - loss: 2.4852 - auc_95:
0.5106 - val_loss: 1.9748 - val_auc_95: 0.4992
Epoch 136/500

267/267 [=====] - 1s 3ms/step - loss: 2.2238 - auc_95:
0.5112 - val_loss: 1.8799 - val_auc_95: 0.5087
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 1.9796 - auc_95:
0.5100 - val_loss: 2.2317 - val_auc_95: 0.4982
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 2.7801 - auc_95:
0.5075 - val_loss: 2.3956 - val_auc_95: 0.5100
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 2.3260 - auc_95:
0.5067 - val_loss: 1.3391 - val_auc_95: 0.5214
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 2.5839 - auc_95:
0.5071 - val_loss: 1.8086 - val_auc_95: 0.5074
Epoch 141/500
267/267 [=====] - 1s 3ms/step - loss: 2.4416 - auc_95:
0.5078 - val_loss: 1.8996 - val_auc_95: 0.5051
Epoch 142/500
267/267 [=====] - 1s 3ms/step - loss: 2.1830 - auc_95:
0.5037 - val_loss: 3.4490 - val_auc_95: 0.5136
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 2.1316 - auc_95:
0.5090 - val_loss: 4.2987 - val_auc_95: 0.5024
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 2.0282 - auc_95:
0.5129 - val_loss: 2.0904 - val_auc_95: 0.5166
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 2.3825 - auc_95:
0.5092 - val_loss: 1.9844 - val_auc_95: 0.4961
Epoch 146/500
267/267 [=====] - 1s 3ms/step - loss: 2.5344 - auc_95:
0.5102 - val_loss: 1.2298 - val_auc_95: 0.5108
Epoch 147/500
267/267 [=====] - 1s 3ms/step - loss: 2.4391 - auc_95:
0.5070 - val_loss: 2.9618 - val_auc_95: 0.4953
Epoch 148/500
267/267 [=====] - 1s 3ms/step - loss: 2.3881 - auc_95:
0.5082 - val_loss: 6.6487 - val_auc_95: 0.5098
Epoch 149/500
267/267 [=====] - 1s 3ms/step - loss: 2.4092 - auc_95:
0.5086 - val_loss: 1.7978 - val_auc_95: 0.5035
Epoch 150/500
267/267 [=====] - 1s 3ms/step - loss: 2.4608 - auc_95:
0.5097 - val_loss: 3.5147 - val_auc_95: 0.5009
Epoch 151/500
267/267 [=====] - 1s 3ms/step - loss: 2.5261 - auc_95:
0.5068 - val_loss: 2.2926 - val_auc_95: 0.5161
Epoch 152/500

267/267 [=====] - 1s 3ms/step - loss: 2.0402 - auc_95:
0.5078 - val_loss: 1.2464 - val_auc_95: 0.5000
Epoch 153/500
267/267 [=====] - 1s 3ms/step - loss: 2.8323 - auc_95:
0.5066 - val_loss: 2.9892 - val_auc_95: 0.4992
Epoch 154/500
267/267 [=====] - 1s 3ms/step - loss: 2.1141 - auc_95:
0.5095 - val_loss: 1.6700 - val_auc_95: 0.4997
Epoch 155/500
267/267 [=====] - 1s 3ms/step - loss: 2.4340 - auc_95:
0.5121 - val_loss: 3.4632 - val_auc_95: 0.5044
Epoch 156/500
267/267 [=====] - 1s 3ms/step - loss: 2.5198 - auc_95:
0.5083 - val_loss: 1.7976 - val_auc_95: 0.5059
Epoch 157/500
267/267 [=====] - 1s 3ms/step - loss: 2.6303 - auc_95:
0.5091 - val_loss: 3.6661 - val_auc_95: 0.5017
Epoch 158/500
267/267 [=====] - 1s 3ms/step - loss: 2.3034 - auc_95:
0.5077 - val_loss: 1.9563 - val_auc_95: 0.5044
Epoch 159/500
267/267 [=====] - 1s 3ms/step - loss: 2.4052 - auc_95:
0.5095 - val_loss: 2.3317 - val_auc_95: 0.5061
Epoch 160/500
267/267 [=====] - 1s 3ms/step - loss: 2.3300 - auc_95:
0.5056 - val_loss: 1.6670 - val_auc_95: 0.5042
Epoch 161/500
267/267 [=====] - 1s 3ms/step - loss: 2.9514 - auc_95:
0.5071 - val_loss: 2.4944 - val_auc_95: 0.5042
Epoch 162/500
267/267 [=====] - 1s 3ms/step - loss: 2.3560 - auc_95:
0.5109 - val_loss: 2.1395 - val_auc_95: 0.4934
Epoch 163/500
267/267 [=====] - 1s 3ms/step - loss: 2.4673 - auc_95:
0.5101 - val_loss: 2.3066 - val_auc_95: 0.5102
Epoch 164/500
267/267 [=====] - 1s 3ms/step - loss: 2.7371 - auc_95:
0.5065 - val_loss: 3.8922 - val_auc_95: 0.4997
Epoch 165/500
267/267 [=====] - 1s 3ms/step - loss: 1.9265 - auc_95:
0.5111 - val_loss: 3.4366 - val_auc_95: 0.5018
Epoch 166/500
267/267 [=====] - 1s 3ms/step - loss: 2.0793 - auc_95:
0.5116 - val_loss: 2.1186 - val_auc_95: 0.5091
Epoch 167/500
267/267 [=====] - 1s 3ms/step - loss: 2.2365 - auc_95:
0.5089 - val_loss: 1.6730 - val_auc_95: 0.5071
Epoch 168/500

267/267 [=====] - 1s 3ms/step - loss: 2.1927 - auc_95:
0.5061 - val_loss: 1.4356 - val_auc_95: 0.5098
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 2.5167 - auc_95:
0.5079 - val_loss: 2.3516 - val_auc_95: 0.5150
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 2.5617 - auc_95:
0.5099 - val_loss: 2.5680 - val_auc_95: 0.5180
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 2.1208 - auc_95:
0.5113 - val_loss: 2.5113 - val_auc_95: 0.5029
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 2.2803 - auc_95:
0.5078 - val_loss: 2.4650 - val_auc_95: 0.5043
Epoch 173/500
267/267 [=====] - 1s 3ms/step - loss: 2.4114 - auc_95:
0.5067 - val_loss: 1.7485 - val_auc_95: 0.5087
Epoch 174/500
267/267 [=====] - 1s 3ms/step - loss: 2.7786 - auc_95:
0.5088 - val_loss: 2.5746 - val_auc_95: 0.5064
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 2.4050 - auc_95:
0.5075 - val_loss: 2.4146 - val_auc_95: 0.5112
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 2.2184 - auc_95:
0.5105 - val_loss: 1.2437 - val_auc_95: 0.5013
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 2.0488 - auc_95:
0.5111 - val_loss: 1.7908 - val_auc_95: 0.5055
Epoch 178/500
267/267 [=====] - 1s 3ms/step - loss: 1.9124 - auc_95:
0.5073 - val_loss: 2.0599 - val_auc_95: 0.4911
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 2.3651 - auc_95:
0.5110 - val_loss: 2.7459 - val_auc_95: 0.4976
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 2.3330 - auc_95:
0.5085 - val_loss: 1.4421 - val_auc_95: 0.5124
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 2.5414 - auc_95:
0.5041 - val_loss: 2.0682 - val_auc_95: 0.5092
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 2.1905 - auc_95:
0.5107 - val_loss: 2.5447 - val_auc_95: 0.5074
Epoch 183/500
267/267 [=====] - 1s 3ms/step - loss: 2.2710 - auc_95:
0.5067 - val_loss: 2.5242 - val_auc_95: 0.5135
Epoch 184/500

267/267 [=====] - 1s 3ms/step - loss: 2.5191 - auc_95:
0.5118 - val_loss: 2.6580 - val_auc_95: 0.5093
Epoch 185/500
267/267 [=====] - 1s 3ms/step - loss: 2.1811 - auc_95:
0.5078 - val_loss: 2.0577 - val_auc_95: 0.5147
Epoch 186/500
267/267 [=====] - 1s 3ms/step - loss: 2.3340 - auc_95:
0.5108 - val_loss: 5.0794 - val_auc_95: 0.4897
Epoch 187/500
267/267 [=====] - 1s 3ms/step - loss: 2.5422 - auc_95:
0.5085 - val_loss: 1.7352 - val_auc_95: 0.5070
Epoch 188/500
267/267 [=====] - 1s 3ms/step - loss: 2.0138 - auc_95:
0.5073 - val_loss: 1.5765 - val_auc_95: 0.4905
Epoch 189/500
267/267 [=====] - 1s 3ms/step - loss: 2.1804 - auc_95:
0.5087 - val_loss: 1.8538 - val_auc_95: 0.5072
Epoch 190/500
267/267 [=====] - 1s 3ms/step - loss: 2.1360 - auc_95:
0.5094 - val_loss: 2.3076 - val_auc_95: 0.5153
Epoch 191/500
267/267 [=====] - 1s 3ms/step - loss: 2.3166 - auc_95:
0.5095 - val_loss: 1.6955 - val_auc_95: 0.5056
Epoch 192/500
267/267 [=====] - 1s 3ms/step - loss: 2.8427 - auc_95:
0.5081 - val_loss: 3.0973 - val_auc_95: 0.4953
Epoch 193/500
267/267 [=====] - 1s 3ms/step - loss: 2.3586 - auc_95:
0.5107 - val_loss: 1.9501 - val_auc_95: 0.5109
Epoch 194/500
267/267 [=====] - 1s 3ms/step - loss: 2.2976 - auc_95:
0.5116 - val_loss: 1.3793 - val_auc_95: 0.5117
Epoch 195/500
267/267 [=====] - 1s 3ms/step - loss: 2.1632 - auc_95:
0.5086 - val_loss: 2.1578 - val_auc_95: 0.4980
Epoch 196/500
267/267 [=====] - 1s 3ms/step - loss: 2.6384 - auc_95:
0.5112 - val_loss: 2.6862 - val_auc_95: 0.4962
Epoch 197/500
267/267 [=====] - 1s 3ms/step - loss: 2.5025 - auc_95:
0.5072 - val_loss: 2.3978 - val_auc_95: 0.5103
Epoch 198/500
267/267 [=====] - 1s 3ms/step - loss: 2.6098 - auc_95:
0.5079 - val_loss: 2.2130 - val_auc_95: 0.5029
Epoch 199/500
267/267 [=====] - 1s 3ms/step - loss: 2.3209 - auc_95:
0.5075 - val_loss: 2.5782 - val_auc_95: 0.5024
Epoch 200/500

267/267 [=====] - 1s 3ms/step - loss: 2.3579 - auc_95:
0.5120 - val_loss: 2.7831 - val_auc_95: 0.5133
Epoch 201/500
267/267 [=====] - 1s 3ms/step - loss: 2.1823 - auc_95:
0.5089 - val_loss: 2.8367 - val_auc_95: 0.5046
Epoch 202/500
267/267 [=====] - 1s 3ms/step - loss: 2.2579 - auc_95:
0.5063 - val_loss: 1.4711 - val_auc_95: 0.4996
Epoch 203/500
267/267 [=====] - 1s 3ms/step - loss: 2.6430 - auc_95:
0.5094 - val_loss: 3.9560 - val_auc_95: 0.5054
Epoch 204/500
267/267 [=====] - 1s 3ms/step - loss: 2.3111 - auc_95:
0.5065 - val_loss: 2.4609 - val_auc_95: 0.5110
Epoch 205/500
267/267 [=====] - 1s 3ms/step - loss: 2.2811 - auc_95:
0.5063 - val_loss: 3.0588 - val_auc_95: 0.4999
Epoch 206/500
267/267 [=====] - 1s 3ms/step - loss: 2.2045 - auc_95:
0.5097 - val_loss: 1.0859 - val_auc_95: 0.4935
Epoch 207/500
267/267 [=====] - 1s 3ms/step - loss: 2.0338 - auc_95:
0.5061 - val_loss: 1.7405 - val_auc_95: 0.4897
Epoch 208/500
267/267 [=====] - 1s 3ms/step - loss: 2.2483 - auc_95:
0.5062 - val_loss: 1.5056 - val_auc_95: 0.5061
Epoch 209/500
267/267 [=====] - 1s 3ms/step - loss: 2.5506 - auc_95:
0.5081 - val_loss: 1.9571 - val_auc_95: 0.5104
Epoch 210/500
267/267 [=====] - 1s 3ms/step - loss: 2.4719 - auc_95:
0.5089 - val_loss: 2.5734 - val_auc_95: 0.5075
Epoch 211/500
267/267 [=====] - 1s 3ms/step - loss: 2.4168 - auc_95:
0.5086 - val_loss: 1.7092 - val_auc_95: 0.5018
Epoch 212/500
267/267 [=====] - 1s 4ms/step - loss: 2.4675 - auc_95:
0.5092 - val_loss: 2.7486 - val_auc_95: 0.5118
Epoch 213/500
267/267 [=====] - 1s 3ms/step - loss: 2.4819 - auc_95:
0.5069 - val_loss: 1.4215 - val_auc_95: 0.5047
Epoch 214/500
267/267 [=====] - 1s 3ms/step - loss: 2.3287 - auc_95:
0.5121 - val_loss: 3.0574 - val_auc_95: 0.4970
Epoch 215/500
267/267 [=====] - 1s 3ms/step - loss: 2.3651 - auc_95:
0.5088 - val_loss: 4.8699 - val_auc_95: 0.5101
Epoch 216/500

267/267 [=====] - 1s 3ms/step - loss: 2.5533 - auc_95:
0.5083 - val_loss: 1.4294 - val_auc_95: 0.5103
Epoch 217/500
267/267 [=====] - 1s 3ms/step - loss: 2.2576 - auc_95:
0.5078 - val_loss: 1.0424 - val_auc_95: 0.5103
Epoch 218/500
267/267 [=====] - 1s 3ms/step - loss: 2.4592 - auc_95:
0.5096 - val_loss: 1.3459 - val_auc_95: 0.4980
Epoch 219/500
267/267 [=====] - 1s 3ms/step - loss: 2.3205 - auc_95:
0.5109 - val_loss: 3.0330 - val_auc_95: 0.5085
Epoch 220/500
267/267 [=====] - 1s 3ms/step - loss: 2.4319 - auc_95:
0.5122 - val_loss: 2.2103 - val_auc_95: 0.5069
Epoch 221/500
267/267 [=====] - 1s 3ms/step - loss: 2.2826 - auc_95:
0.5103 - val_loss: 2.5426 - val_auc_95: 0.5075
Epoch 222/500
267/267 [=====] - 1s 3ms/step - loss: 2.6114 - auc_95:
0.5094 - val_loss: 2.2549 - val_auc_95: 0.4946
Epoch 223/500
267/267 [=====] - 1s 3ms/step - loss: 2.0846 - auc_95:
0.5066 - val_loss: 1.1216 - val_auc_95: 0.5027
Epoch 224/500
267/267 [=====] - 1s 3ms/step - loss: 2.2881 - auc_95:
0.5075 - val_loss: 1.7195 - val_auc_95: 0.5099
Epoch 225/500
267/267 [=====] - 1s 3ms/step - loss: 2.2353 - auc_95:
0.5086 - val_loss: 1.7952 - val_auc_95: 0.5070
Epoch 226/500
267/267 [=====] - 1s 3ms/step - loss: 2.2941 - auc_95:
0.5116 - val_loss: 2.3160 - val_auc_95: 0.5072
Epoch 227/500
267/267 [=====] - 1s 3ms/step - loss: 2.3291 - auc_95:
0.5097 - val_loss: 2.0218 - val_auc_95: 0.4991
Epoch 228/500
267/267 [=====] - 1s 3ms/step - loss: 2.3563 - auc_95:
0.5088 - val_loss: 2.0962 - val_auc_95: 0.5134
Epoch 229/500
267/267 [=====] - 1s 3ms/step - loss: 2.5162 - auc_95:
0.5047 - val_loss: 3.2319 - val_auc_95: 0.5015
Epoch 230/500
267/267 [=====] - 1s 3ms/step - loss: 2.3177 - auc_95:
0.5072 - val_loss: 3.1843 - val_auc_95: 0.5196
Epoch 231/500
267/267 [=====] - 1s 3ms/step - loss: 2.5469 - auc_95:
0.5093 - val_loss: 2.6201 - val_auc_95: 0.5116
Epoch 232/500

267/267 [=====] - 1s 3ms/step - loss: 2.4684 - auc_95:
0.5068 - val_loss: 2.1937 - val_auc_95: 0.5122
Epoch 233/500
267/267 [=====] - 1s 3ms/step - loss: 2.1176 - auc_95:
0.5075 - val_loss: 1.6379 - val_auc_95: 0.5121
Epoch 234/500
267/267 [=====] - 1s 3ms/step - loss: 2.5235 - auc_95:
0.5091 - val_loss: 2.1399 - val_auc_95: 0.5009
Epoch 235/500
267/267 [=====] - 1s 3ms/step - loss: 2.2817 - auc_95:
0.5147 - val_loss: 2.7596 - val_auc_95: 0.5006
Epoch 236/500
267/267 [=====] - 1s 3ms/step - loss: 2.4511 - auc_95:
0.5068 - val_loss: 5.6336 - val_auc_95: 0.5128
Epoch 237/500
267/267 [=====] - 1s 3ms/step - loss: 2.2360 - auc_95:
0.5096 - val_loss: 3.3792 - val_auc_95: 0.4922
Epoch 238/500
267/267 [=====] - 1s 3ms/step - loss: 2.3644 - auc_95:
0.5087 - val_loss: 2.2774 - val_auc_95: 0.5102
Epoch 239/500
267/267 [=====] - 1s 3ms/step - loss: 2.3966 - auc_95:
0.5108 - val_loss: 2.1380 - val_auc_95: 0.5044
Epoch 240/500
267/267 [=====] - 1s 3ms/step - loss: 2.3435 - auc_95:
0.5084 - val_loss: 2.8757 - val_auc_95: 0.5111
Epoch 241/500
267/267 [=====] - 1s 3ms/step - loss: 2.7335 - auc_95:
0.5097 - val_loss: 3.4413 - val_auc_95: 0.5000
Epoch 242/500
267/267 [=====] - 1s 3ms/step - loss: 2.2821 - auc_95:
0.5070 - val_loss: 2.4956 - val_auc_95: 0.4975
Epoch 243/500
267/267 [=====] - 1s 3ms/step - loss: 1.7509 - auc_95:
0.5107 - val_loss: 1.2955 - val_auc_95: 0.5078
Epoch 244/500
267/267 [=====] - 1s 3ms/step - loss: 2.4297 - auc_95:
0.5080 - val_loss: 1.8787 - val_auc_95: 0.5034
Epoch 245/500
267/267 [=====] - 1s 3ms/step - loss: 2.3911 - auc_95:
0.5045 - val_loss: 1.8513 - val_auc_95: 0.5119
Epoch 246/500
267/267 [=====] - 1s 3ms/step - loss: 2.1710 - auc_95:
0.5079 - val_loss: 1.6975 - val_auc_95: 0.5015
Epoch 247/500
267/267 [=====] - 1s 3ms/step - loss: 2.0452 - auc_95:
0.5083 - val_loss: 1.3292 - val_auc_95: 0.5030
Epoch 248/500

267/267 [=====] - 1s 3ms/step - loss: 2.2009 - auc_95:
0.5108 - val_loss: 1.5676 - val_auc_95: 0.5141
Epoch 249/500
267/267 [=====] - 1s 3ms/step - loss: 2.1925 - auc_95:
0.5072 - val_loss: 2.7080 - val_auc_95: 0.5024
Epoch 250/500
267/267 [=====] - 1s 3ms/step - loss: 2.2557 - auc_95:
0.5066 - val_loss: 2.0491 - val_auc_95: 0.5038
Epoch 251/500
267/267 [=====] - 1s 3ms/step - loss: 2.5287 - auc_95:
0.5099 - val_loss: 2.9099 - val_auc_95: 0.5075
Epoch 252/500
267/267 [=====] - 1s 3ms/step - loss: 2.1257 - auc_95:
0.5080 - val_loss: 2.2138 - val_auc_95: 0.5020
Epoch 253/500
267/267 [=====] - 1s 3ms/step - loss: 2.2089 - auc_95:
0.5045 - val_loss: 3.8361 - val_auc_95: 0.5074
Epoch 254/500
267/267 [=====] - 1s 3ms/step - loss: 2.0578 - auc_95:
0.5118 - val_loss: 3.0153 - val_auc_95: 0.4898
Epoch 255/500
267/267 [=====] - 1s 3ms/step - loss: 2.3794 - auc_95:
0.5137 - val_loss: 2.5780 - val_auc_95: 0.5069
Epoch 256/500
267/267 [=====] - 1s 3ms/step - loss: 2.8068 - auc_95:
0.5094 - val_loss: 1.4091 - val_auc_95: 0.5021
Epoch 257/500
267/267 [=====] - 1s 3ms/step - loss: 2.1236 - auc_95:
0.5083 - val_loss: 1.7536 - val_auc_95: 0.4994
Epoch 258/500
267/267 [=====] - 1s 3ms/step - loss: 2.0463 - auc_95:
0.5083 - val_loss: 1.0306 - val_auc_95: 0.5060
Epoch 259/500
267/267 [=====] - 1s 3ms/step - loss: 1.9545 - auc_95:
0.5117 - val_loss: 1.8700 - val_auc_95: 0.5153
Epoch 260/500
267/267 [=====] - 1s 3ms/step - loss: 2.3316 - auc_95:
0.5076 - val_loss: 2.2114 - val_auc_95: 0.4950
Epoch 261/500
267/267 [=====] - 1s 3ms/step - loss: 2.5541 - auc_95:
0.5069 - val_loss: 1.4061 - val_auc_95: 0.5068
Epoch 262/500
267/267 [=====] - 1s 3ms/step - loss: 2.7219 - auc_95:
0.5076 - val_loss: 1.5069 - val_auc_95: 0.5054
Epoch 263/500
267/267 [=====] - 1s 3ms/step - loss: 2.1257 - auc_95:
0.5079 - val_loss: 4.9813 - val_auc_95: 0.5108
Epoch 264/500

267/267 [=====] - 1s 3ms/step - loss: 2.3944 - auc_95:
0.5091 - val_loss: 3.2074 - val_auc_95: 0.5030
Epoch 265/500
267/267 [=====] - 1s 3ms/step - loss: 2.0637 - auc_95:
0.5072 - val_loss: 2.1481 - val_auc_95: 0.5083
Epoch 266/500
267/267 [=====] - 1s 3ms/step - loss: 2.2923 - auc_95:
0.5070 - val_loss: 2.4925 - val_auc_95: 0.5001
Epoch 267/500
267/267 [=====] - 1s 3ms/step - loss: 2.4293 - auc_95:
0.5075 - val_loss: 3.0169 - val_auc_95: 0.4991
Epoch 268/500
267/267 [=====] - 1s 3ms/step - loss: 1.9161 - auc_95:
0.5081 - val_loss: 2.4671 - val_auc_95: 0.5083
Epoch 269/500
267/267 [=====] - 1s 3ms/step - loss: 2.4452 - auc_95:
0.5072 - val_loss: 1.5687 - val_auc_95: 0.4987
Epoch 270/500
267/267 [=====] - 1s 3ms/step - loss: 2.3441 - auc_95:
0.5065 - val_loss: 3.8547 - val_auc_95: 0.5085
Epoch 271/500
267/267 [=====] - 1s 3ms/step - loss: 2.1356 - auc_95:
0.5100 - val_loss: 2.8543 - val_auc_95: 0.5014
Epoch 272/500
267/267 [=====] - 1s 3ms/step - loss: 2.4408 - auc_95:
0.5085 - val_loss: 5.2192 - val_auc_95: 0.5055
Epoch 273/500
267/267 [=====] - 1s 3ms/step - loss: 2.3808 - auc_95:
0.5106 - val_loss: 2.3994 - val_auc_95: 0.5101
Epoch 274/500
267/267 [=====] - 1s 3ms/step - loss: 2.4318 - auc_95:
0.5059 - val_loss: 1.9542 - val_auc_95: 0.5091
Epoch 275/500
267/267 [=====] - 1s 3ms/step - loss: 2.6217 - auc_95:
0.5075 - val_loss: 3.1352 - val_auc_95: 0.5008
Epoch 276/500
267/267 [=====] - 1s 3ms/step - loss: 2.3313 - auc_95:
0.5062 - val_loss: 2.1501 - val_auc_95: 0.5050
Epoch 277/500
267/267 [=====] - 1s 3ms/step - loss: 2.1020 - auc_95:
0.5102 - val_loss: 1.6142 - val_auc_95: 0.5066
Epoch 278/500
267/267 [=====] - 1s 3ms/step - loss: 2.2933 - auc_95:
0.5100 - val_loss: 2.5155 - val_auc_95: 0.5072
Epoch 279/500
267/267 [=====] - 1s 3ms/step - loss: 2.1903 - auc_95:
0.5079 - val_loss: 1.3050 - val_auc_95: 0.5016
Epoch 280/500

267/267 [=====] - 1s 3ms/step - loss: 2.1351 - auc_95:
0.5088 - val_loss: 1.1979 - val_auc_95: 0.5038
Epoch 281/500
267/267 [=====] - 1s 3ms/step - loss: 2.0899 - auc_95:
0.5070 - val_loss: 3.8908 - val_auc_95: 0.5103
Epoch 282/500
267/267 [=====] - 1s 3ms/step - loss: 2.2522 - auc_95:
0.5070 - val_loss: 3.4703 - val_auc_95: 0.5094
Epoch 283/500
267/267 [=====] - 1s 3ms/step - loss: 2.1681 - auc_95:
0.5103 - val_loss: 1.3034 - val_auc_95: 0.5118
Epoch 284/500
267/267 [=====] - 1s 3ms/step - loss: 2.1142 - auc_95:
0.5117 - val_loss: 1.6122 - val_auc_95: 0.5115
Epoch 285/500
267/267 [=====] - 1s 3ms/step - loss: 2.2258 - auc_95:
0.5087 - val_loss: 2.1030 - val_auc_95: 0.4966
Epoch 286/500
267/267 [=====] - 1s 3ms/step - loss: 2.1309 - auc_95:
0.5090 - val_loss: 1.1891 - val_auc_95: 0.5038
Epoch 287/500
267/267 [=====] - 1s 3ms/step - loss: 2.1269 - auc_95:
0.5108 - val_loss: 1.7532 - val_auc_95: 0.4989
Epoch 288/500
267/267 [=====] - 1s 3ms/step - loss: 2.5099 - auc_95:
0.5066 - val_loss: 1.6545 - val_auc_95: 0.5085
Epoch 289/500
267/267 [=====] - 1s 3ms/step - loss: 2.6821 - auc_95:
0.5118 - val_loss: 1.6226 - val_auc_95: 0.5108
Epoch 290/500
267/267 [=====] - 1s 3ms/step - loss: 2.2535 - auc_95:
0.5080 - val_loss: 2.1350 - val_auc_95: 0.5011
Epoch 291/500
267/267 [=====] - 1s 3ms/step - loss: 2.5653 - auc_95:
0.5052 - val_loss: 2.3054 - val_auc_95: 0.5094
Epoch 292/500
267/267 [=====] - 1s 3ms/step - loss: 2.1670 - auc_95:
0.5090 - val_loss: 2.5440 - val_auc_95: 0.5004
Epoch 293/500
267/267 [=====] - 1s 3ms/step - loss: 2.1059 - auc_95:
0.5098 - val_loss: 1.7604 - val_auc_95: 0.5059
Epoch 294/500
267/267 [=====] - 1s 3ms/step - loss: 2.7539 - auc_95:
0.5090 - val_loss: 2.7675 - val_auc_95: 0.5016
Epoch 295/500
267/267 [=====] - 1s 3ms/step - loss: 2.3924 - auc_95:
0.5102 - val_loss: 3.5517 - val_auc_95: 0.5093
Epoch 296/500

267/267 [=====] - 1s 3ms/step - loss: 2.4694 - auc_95:
0.5099 - val_loss: 1.7588 - val_auc_95: 0.5098
Epoch 297/500
267/267 [=====] - 1s 3ms/step - loss: 2.4963 - auc_95:
0.5074 - val_loss: 4.9818 - val_auc_95: 0.5059
Epoch 298/500
267/267 [=====] - 1s 3ms/step - loss: 2.3486 - auc_95:
0.5076 - val_loss: 2.5403 - val_auc_95: 0.4970
Epoch 299/500
267/267 [=====] - 1s 3ms/step - loss: 2.5997 - auc_95:
0.5066 - val_loss: 4.7631 - val_auc_95: 0.5018
Epoch 300/500
267/267 [=====] - 1s 3ms/step - loss: 2.8274 - auc_95:
0.5085 - val_loss: 2.4348 - val_auc_95: 0.5116
Epoch 301/500
267/267 [=====] - 1s 3ms/step - loss: 2.6764 - auc_95:
0.5102 - val_loss: 3.6684 - val_auc_95: 0.5015
Epoch 302/500
267/267 [=====] - 1s 3ms/step - loss: 2.1375 - auc_95:
0.5045 - val_loss: 1.6037 - val_auc_95: 0.5039
Epoch 303/500
267/267 [=====] - 1s 3ms/step - loss: 1.8432 - auc_95:
0.5102 - val_loss: 1.4179 - val_auc_95: 0.5115
Epoch 304/500
267/267 [=====] - 1s 3ms/step - loss: 2.5076 - auc_95:
0.5077 - val_loss: 1.0945 - val_auc_95: 0.5101
Epoch 305/500
267/267 [=====] - 1s 3ms/step - loss: 2.0928 - auc_95:
0.5069 - val_loss: 1.0747 - val_auc_95: 0.5025
Epoch 306/500
267/267 [=====] - 1s 3ms/step - loss: 2.3745 - auc_95:
0.5121 - val_loss: 1.0133 - val_auc_95: 0.5095
Epoch 307/500
267/267 [=====] - 1s 3ms/step - loss: 2.6171 - auc_95:
0.5099 - val_loss: 1.2721 - val_auc_95: 0.5059
Epoch 308/500
267/267 [=====] - 1s 3ms/step - loss: 2.0874 - auc_95:
0.5075 - val_loss: 2.8681 - val_auc_95: 0.5155
Epoch 309/500
267/267 [=====] - 1s 3ms/step - loss: 2.0508 - auc_95:
0.5085 - val_loss: 1.9832 - val_auc_95: 0.4907
Epoch 310/500
267/267 [=====] - 1s 3ms/step - loss: 2.1966 - auc_95:
0.5095 - val_loss: 1.6712 - val_auc_95: 0.5028
Epoch 311/500
267/267 [=====] - 1s 3ms/step - loss: 2.5484 - auc_95:
0.5033 - val_loss: 3.5314 - val_auc_95: 0.5043
Epoch 312/500

267/267 [=====] - 1s 3ms/step - loss: 2.1676 - auc_95:
 0.5082 - val_loss: 2.6253 - val_auc_95: 0.5086
 Epoch 313/500
 267/267 [=====] - 1s 3ms/step - loss: 2.8388 - auc_95:
 0.5082 - val_loss: 3.3655 - val_auc_95: 0.5167
 Epoch 314/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2698 - auc_95:
 0.5104 - val_loss: 1.8519 - val_auc_95: 0.5076
 Epoch 315/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6250 - auc_95:
 0.5096 - val_loss: 2.0176 - val_auc_95: 0.5012
 Epoch 316/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2121 - auc_95:
 0.5103 - val_loss: 2.5202 - val_auc_95: 0.5093
 Epoch 317/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4206 - auc_95:
 0.5123 - val_loss: 2.2067 - val_auc_95: 0.5143
 Epoch 318/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2124 - auc_95:
 0.5067 - val_loss: 2.0306 - val_auc_95: 0.5106
 Epoch 319/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1508 - auc_95:
 0.5093 - val_loss: 1.8965 - val_auc_95: 0.5102
 Epoch 320/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0552 - auc_95:
 0.5080 - val_loss: 1.9358 - val_auc_95: 0.5119
 Epoch 321/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3740 - auc_95:
 0.5068 - val_loss: 4.0115 - val_auc_95: 0.5121
 Epoch 322/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3345 - auc_95:
 0.5071 - val_loss: 1.6802 - val_auc_95: 0.5019
 Epoch 323/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2967 - auc_95:
 0.5069 - val_loss: 2.0625 - val_auc_95: 0.5064
 Epoch 324/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2053 - auc_95:
 0.5113 - val_loss: 1.4647 - val_auc_95: 0.5112
 Epoch 325/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3112 - auc_95:
 0.5094 - val_loss: 2.4982 - val_auc_95: 0.5083
 Epoch 326/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6821 - auc_95:
 0.5064 - val_loss: 2.8978 - val_auc_95: 0.5029
 Epoch 327/500
 267/267 [=====] - 1s 3ms/step - loss: 2.7631 - auc_95:
 0.5079 - val_loss: 1.7683 - val_auc_95: 0.4964
 Epoch 328/500

267/267 [=====] - 1s 3ms/step - loss: 2.3825 - auc_95:
0.5083 - val_loss: 1.9423 - val_auc_95: 0.5063
Epoch 329/500
267/267 [=====] - 1s 3ms/step - loss: 2.2058 - auc_95:
0.5067 - val_loss: 2.2910 - val_auc_95: 0.4977
Epoch 330/500
267/267 [=====] - 1s 3ms/step - loss: 2.3565 - auc_95:
0.5072 - val_loss: 2.5004 - val_auc_95: 0.5064
Epoch 331/500
267/267 [=====] - 1s 3ms/step - loss: 2.3947 - auc_95:
0.5107 - val_loss: 1.8720 - val_auc_95: 0.5123
Epoch 332/500
267/267 [=====] - 1s 3ms/step - loss: 2.6890 - auc_95:
0.5064 - val_loss: 4.2611 - val_auc_95: 0.5031
Epoch 333/500
267/267 [=====] - 1s 3ms/step - loss: 2.8198 - auc_95:
0.5074 - val_loss: 1.2368 - val_auc_95: 0.5045
Epoch 334/500
267/267 [=====] - 1s 3ms/step - loss: 2.3694 - auc_95:
0.5101 - val_loss: 2.4647 - val_auc_95: 0.4989
Epoch 335/500
267/267 [=====] - 1s 3ms/step - loss: 2.0997 - auc_95:
0.5077 - val_loss: 2.0290 - val_auc_95: 0.4968
Epoch 336/500
267/267 [=====] - 1s 3ms/step - loss: 2.3012 - auc_95:
0.5051 - val_loss: 2.4264 - val_auc_95: 0.5149
Epoch 337/500
267/267 [=====] - 1s 3ms/step - loss: 2.2189 - auc_95:
0.5063 - val_loss: 2.0846 - val_auc_95: 0.5038
Epoch 338/500
267/267 [=====] - 1s 3ms/step - loss: 1.9940 - auc_95:
0.5094 - val_loss: 2.9119 - val_auc_95: 0.4926
Epoch 339/500
267/267 [=====] - 1s 3ms/step - loss: 2.1959 - auc_95:
0.5130 - val_loss: 1.6126 - val_auc_95: 0.4979
Epoch 340/500
267/267 [=====] - 1s 3ms/step - loss: 2.0510 - auc_95:
0.5092 - val_loss: 2.8484 - val_auc_95: 0.5051
Epoch 341/500
267/267 [=====] - 1s 3ms/step - loss: 2.2360 - auc_95:
0.5091 - val_loss: 1.4826 - val_auc_95: 0.5104
Epoch 342/500
267/267 [=====] - 1s 3ms/step - loss: 2.2601 - auc_95:
0.5111 - val_loss: 6.0005 - val_auc_95: 0.4956
Epoch 343/500
267/267 [=====] - 1s 3ms/step - loss: 2.5915 - auc_95:
0.5094 - val_loss: 1.5134 - val_auc_95: 0.5016
Epoch 344/500

267/267 [=====] - 1s 3ms/step - loss: 2.5018 - auc_95:
0.5106 - val_loss: 1.7772 - val_auc_95: 0.5077
Epoch 345/500
267/267 [=====] - 1s 3ms/step - loss: 2.1053 - auc_95:
0.5084 - val_loss: 3.0487 - val_auc_95: 0.5003
Epoch 346/500
267/267 [=====] - 1s 3ms/step - loss: 2.2763 - auc_95:
0.5119 - val_loss: 1.6972 - val_auc_95: 0.4992
Epoch 347/500
267/267 [=====] - 1s 3ms/step - loss: 2.2828 - auc_95:
0.5107 - val_loss: 1.9532 - val_auc_95: 0.5075
Epoch 348/500
267/267 [=====] - 1s 3ms/step - loss: 2.3724 - auc_95:
0.5097 - val_loss: 2.4229 - val_auc_95: 0.5221
Epoch 349/500
267/267 [=====] - 1s 3ms/step - loss: 2.0623 - auc_95:
0.5097 - val_loss: 2.0349 - val_auc_95: 0.5046
Epoch 350/500
267/267 [=====] - 1s 3ms/step - loss: 2.3487 - auc_95:
0.5074 - val_loss: 2.8877 - val_auc_95: 0.5083
Epoch 351/500
267/267 [=====] - 1s 3ms/step - loss: 2.3523 - auc_95:
0.5110 - val_loss: 1.6217 - val_auc_95: 0.5026
Epoch 352/500
267/267 [=====] - 1s 3ms/step - loss: 2.6615 - auc_95:
0.5098 - val_loss: 3.4974 - val_auc_95: 0.4987
Epoch 353/500
267/267 [=====] - 1s 3ms/step - loss: 3.0093 - auc_95:
0.5071 - val_loss: 2.7226 - val_auc_95: 0.5176
Epoch 354/500
267/267 [=====] - 1s 3ms/step - loss: 2.1733 - auc_95:
0.5109 - val_loss: 1.7899 - val_auc_95: 0.5136
Epoch 355/500
267/267 [=====] - 1s 3ms/step - loss: 2.4564 - auc_95:
0.5065 - val_loss: 3.8410 - val_auc_95: 0.5036
Epoch 356/500
267/267 [=====] - 1s 3ms/step - loss: 2.5054 - auc_95:
0.5082 - val_loss: 1.8225 - val_auc_95: 0.5179
Epoch 357/500
267/267 [=====] - 1s 3ms/step - loss: 1.9896 - auc_95:
0.5067 - val_loss: 1.5114 - val_auc_95: 0.4958
Epoch 358/500
267/267 [=====] - 1s 3ms/step - loss: 2.4576 - auc_95:
0.5050 - val_loss: 2.1419 - val_auc_95: 0.5065
Epoch 359/500
267/267 [=====] - 1s 3ms/step - loss: 2.0668 - auc_95:
0.5119 - val_loss: 4.4039 - val_auc_95: 0.5035
Epoch 360/500

267/267 [=====] - 1s 3ms/step - loss: 2.4821 - auc_95:
 0.5065 - val_loss: 2.2880 - val_auc_95: 0.4970
 Epoch 361/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3518 - auc_95:
 0.5059 - val_loss: 2.1585 - val_auc_95: 0.5061
 Epoch 362/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0713 - auc_95:
 0.5106 - val_loss: 1.7677 - val_auc_95: 0.5124
 Epoch 363/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6967 - auc_95:
 0.5090 - val_loss: 5.0964 - val_auc_95: 0.4903
 Epoch 364/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1627 - auc_95:
 0.5114 - val_loss: 1.8708 - val_auc_95: 0.5099
 Epoch 365/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3683 - auc_95:
 0.5075 - val_loss: 4.1640 - val_auc_95: 0.4954
 Epoch 366/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3123 - auc_95:
 0.5090 - val_loss: 2.4799 - val_auc_95: 0.4997
 Epoch 367/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2072 - auc_95:
 0.5065 - val_loss: 2.3939 - val_auc_95: 0.5138
 Epoch 368/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4158 - auc_95:
 0.5085 - val_loss: 2.0948 - val_auc_95: 0.4997
 Epoch 369/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4278 - auc_95:
 0.5097 - val_loss: 2.3938 - val_auc_95: 0.5130
 Epoch 370/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5165 - auc_95:
 0.5070 - val_loss: 1.2694 - val_auc_95: 0.5072
 Epoch 371/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3065 - auc_95:
 0.5082 - val_loss: 3.7697 - val_auc_95: 0.4910
 Epoch 372/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3606 - auc_95:
 0.5084 - val_loss: 4.5139 - val_auc_95: 0.4978
 Epoch 373/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4904 - auc_95:
 0.5118 - val_loss: 2.7813 - val_auc_95: 0.5068
 Epoch 374/500
 267/267 [=====] - 1s 3ms/step - loss: 2.8118 - auc_95:
 0.5090 - val_loss: 3.1228 - val_auc_95: 0.4989
 Epoch 375/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0796 - auc_95:
 0.5082 - val_loss: 2.4942 - val_auc_95: 0.4987
 Epoch 376/500

267/267 [=====] - 1s 3ms/step - loss: 2.3671 - auc_95:
0.5111 - val_loss: 3.4153 - val_auc_95: 0.5108
Epoch 377/500
267/267 [=====] - 1s 3ms/step - loss: 2.4168 - auc_95:
0.5078 - val_loss: 3.7593 - val_auc_95: 0.5044
Epoch 378/500
267/267 [=====] - 1s 3ms/step - loss: 2.4064 - auc_95:
0.5108 - val_loss: 4.0198 - val_auc_95: 0.4942
Epoch 379/500
267/267 [=====] - 1s 3ms/step - loss: 2.4949 - auc_95:
0.5053 - val_loss: 5.2487 - val_auc_95: 0.5099
Epoch 380/500
267/267 [=====] - 1s 3ms/step - loss: 2.2634 - auc_95:
0.5094 - val_loss: 2.7261 - val_auc_95: 0.5106
Epoch 381/500
267/267 [=====] - 1s 4ms/step - loss: 2.2662 - auc_95:
0.5066 - val_loss: 3.0458 - val_auc_95: 0.5120
Epoch 382/500
267/267 [=====] - 1s 3ms/step - loss: 2.2273 - auc_95:
0.5075 - val_loss: 3.5246 - val_auc_95: 0.5094
Epoch 383/500
267/267 [=====] - 1s 3ms/step - loss: 2.4619 - auc_95:
0.5076 - val_loss: 3.2224 - val_auc_95: 0.5082
Epoch 384/500
267/267 [=====] - 1s 3ms/step - loss: 2.5348 - auc_95:
0.5066 - val_loss: 2.1044 - val_auc_95: 0.4996
Epoch 385/500
267/267 [=====] - 1s 3ms/step - loss: 2.1375 - auc_95:
0.5078 - val_loss: 1.2952 - val_auc_95: 0.5041
Epoch 386/500
267/267 [=====] - 1s 3ms/step - loss: 2.5461 - auc_95:
0.5084 - val_loss: 1.9479 - val_auc_95: 0.4968
Epoch 387/500
267/267 [=====] - 1s 3ms/step - loss: 2.0475 - auc_95:
0.5075 - val_loss: 1.9471 - val_auc_95: 0.4949
Epoch 388/500
267/267 [=====] - 1s 3ms/step - loss: 2.3618 - auc_95:
0.5077 - val_loss: 1.8411 - val_auc_95: 0.4965
Epoch 389/500
267/267 [=====] - 1s 3ms/step - loss: 1.8632 - auc_95:
0.5085 - val_loss: 1.1629 - val_auc_95: 0.5063
Epoch 390/500
267/267 [=====] - 1s 3ms/step - loss: 2.1900 - auc_95:
0.5086 - val_loss: 2.2771 - val_auc_95: 0.4994
Epoch 391/500
267/267 [=====] - 1s 3ms/step - loss: 2.0871 - auc_95:
0.5079 - val_loss: 2.4908 - val_auc_95: 0.5095
Epoch 392/500

267/267 [=====] - 1s 3ms/step - loss: 2.8206 - auc_95:
0.5074 - val_loss: 1.8936 - val_auc_95: 0.5099
Epoch 393/500
267/267 [=====] - 1s 3ms/step - loss: 2.5000 - auc_95:
0.5062 - val_loss: 2.7900 - val_auc_95: 0.5095
Epoch 394/500
267/267 [=====] - 1s 3ms/step - loss: 2.4481 - auc_95:
0.5077 - val_loss: 2.0885 - val_auc_95: 0.5038
Epoch 395/500
267/267 [=====] - 1s 3ms/step - loss: 2.3035 - auc_95:
0.5097 - val_loss: 3.1034 - val_auc_95: 0.5039
Epoch 396/500
267/267 [=====] - 1s 3ms/step - loss: 2.2579 - auc_95:
0.5103 - val_loss: 2.0377 - val_auc_95: 0.4993
Epoch 397/500
267/267 [=====] - 1s 3ms/step - loss: 2.2072 - auc_95:
0.5117 - val_loss: 6.4479 - val_auc_95: 0.5031
Epoch 398/500
267/267 [=====] - 1s 3ms/step - loss: 2.4037 - auc_95:
0.5088 - val_loss: 1.7126 - val_auc_95: 0.5043
Epoch 399/500
267/267 [=====] - 1s 3ms/step - loss: 2.2432 - auc_95:
0.5068 - val_loss: 3.6400 - val_auc_95: 0.4939
Epoch 400/500
267/267 [=====] - 1s 3ms/step - loss: 2.3295 - auc_95:
0.5086 - val_loss: 1.2963 - val_auc_95: 0.5022
Epoch 401/500
267/267 [=====] - 1s 3ms/step - loss: 2.1866 - auc_95:
0.5121 - val_loss: 2.5111 - val_auc_95: 0.4941
Epoch 402/500
267/267 [=====] - 1s 3ms/step - loss: 2.4782 - auc_95:
0.5055 - val_loss: 3.0242 - val_auc_95: 0.5065
Epoch 403/500
267/267 [=====] - 1s 3ms/step - loss: 2.7962 - auc_95:
0.5087 - val_loss: 3.4132 - val_auc_95: 0.5117
Epoch 404/500
267/267 [=====] - 1s 3ms/step - loss: 2.1396 - auc_95:
0.5069 - val_loss: 2.2676 - val_auc_95: 0.4957
Epoch 405/500
267/267 [=====] - 1s 3ms/step - loss: 2.3238 - auc_95:
0.5061 - val_loss: 1.1589 - val_auc_95: 0.4961
Epoch 406/500
267/267 [=====] - 1s 3ms/step - loss: 2.0918 - auc_95:
0.5093 - val_loss: 2.7486 - val_auc_95: 0.5094
Epoch 407/500
267/267 [=====] - 1s 3ms/step - loss: 2.4273 - auc_95:
0.5074 - val_loss: 2.1474 - val_auc_95: 0.4952
Epoch 408/500

267/267 [=====] - 1s 3ms/step - loss: 2.4301 - auc_95:
0.5045 - val_loss: 2.2911 - val_auc_95: 0.5016
Epoch 409/500
267/267 [=====] - 1s 3ms/step - loss: 2.5531 - auc_95:
0.5128 - val_loss: 2.2333 - val_auc_95: 0.5020
Epoch 410/500
267/267 [=====] - 1s 3ms/step - loss: 2.2044 - auc_95:
0.5047 - val_loss: 3.1669 - val_auc_95: 0.5157
Epoch 411/500
267/267 [=====] - 1s 3ms/step - loss: 2.2403 - auc_95:
0.5111 - val_loss: 1.0909 - val_auc_95: 0.5088
Epoch 412/500
267/267 [=====] - 1s 3ms/step - loss: 2.3057 - auc_95:
0.5093 - val_loss: 3.8214 - val_auc_95: 0.5007
Epoch 413/500
267/267 [=====] - 1s 3ms/step - loss: 2.3540 - auc_95:
0.5056 - val_loss: 3.0966 - val_auc_95: 0.4992
Epoch 414/500
267/267 [=====] - 1s 3ms/step - loss: 2.5085 - auc_95:
0.5082 - val_loss: 2.6436 - val_auc_95: 0.5026
Epoch 415/500
267/267 [=====] - 1s 3ms/step - loss: 2.7553 - auc_95:
0.5093 - val_loss: 2.2672 - val_auc_95: 0.5098
Epoch 416/500
267/267 [=====] - 1s 3ms/step - loss: 2.6160 - auc_95:
0.5099 - val_loss: 3.9983 - val_auc_95: 0.5077
Epoch 417/500
267/267 [=====] - 1s 3ms/step - loss: 2.4747 - auc_95:
0.5070 - val_loss: 2.0153 - val_auc_95: 0.5118
Epoch 418/500
267/267 [=====] - 1s 3ms/step - loss: 2.3357 - auc_95:
0.5117 - val_loss: 2.3453 - val_auc_95: 0.5102
Epoch 419/500
267/267 [=====] - 1s 3ms/step - loss: 2.4058 - auc_95:
0.5079 - val_loss: 1.6460 - val_auc_95: 0.5109
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 2.5595 - auc_95:
0.5084 - val_loss: 2.0244 - val_auc_95: 0.4997
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 2.1466 - auc_95:
0.5063 - val_loss: 1.6218 - val_auc_95: 0.5115
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 2.1899 - auc_95:
0.5089 - val_loss: 2.6872 - val_auc_95: 0.5072
Epoch 423/500
267/267 [=====] - 1s 3ms/step - loss: 2.3045 - auc_95:
0.5105 - val_loss: 2.3212 - val_auc_95: 0.5082
Epoch 424/500

267/267 [=====] - 1s 3ms/step - loss: 2.6488 - auc_95:
0.5092 - val_loss: 1.1900 - val_auc_95: 0.5034
Epoch 425/500
267/267 [=====] - 1s 3ms/step - loss: 2.0702 - auc_95:
0.5103 - val_loss: 1.2472 - val_auc_95: 0.5098
Epoch 426/500
267/267 [=====] - 1s 3ms/step - loss: 2.3056 - auc_95:
0.5090 - val_loss: 1.4318 - val_auc_95: 0.4998
Epoch 427/500
267/267 [=====] - 1s 3ms/step - loss: 2.2761 - auc_95:
0.5075 - val_loss: 2.8190 - val_auc_95: 0.5051
Epoch 428/500
267/267 [=====] - 1s 3ms/step - loss: 2.4542 - auc_95:
0.5070 - val_loss: 2.8183 - val_auc_95: 0.5125
Epoch 429/500
267/267 [=====] - 1s 3ms/step - loss: 2.5354 - auc_95:
0.5057 - val_loss: 2.4911 - val_auc_95: 0.5068
Epoch 430/500
267/267 [=====] - 1s 3ms/step - loss: 2.2484 - auc_95:
0.5082 - val_loss: 1.6158 - val_auc_95: 0.5109
Epoch 431/500
267/267 [=====] - 1s 3ms/step - loss: 2.9394 - auc_95:
0.5049 - val_loss: 1.8119 - val_auc_95: 0.5130
Epoch 432/500
267/267 [=====] - 1s 3ms/step - loss: 2.0479 - auc_95:
0.5097 - val_loss: 2.5642 - val_auc_95: 0.5157
Epoch 433/500
267/267 [=====] - 1s 3ms/step - loss: 2.1769 - auc_95:
0.5077 - val_loss: 2.8071 - val_auc_95: 0.5107
Epoch 434/500
267/267 [=====] - 1s 3ms/step - loss: 2.5560 - auc_95:
0.5121 - val_loss: 2.8462 - val_auc_95: 0.5087
Epoch 435/500
267/267 [=====] - 1s 3ms/step - loss: 2.3810 - auc_95:
0.5036 - val_loss: 1.4676 - val_auc_95: 0.5065
Epoch 436/500
267/267 [=====] - 1s 3ms/step - loss: 2.1688 - auc_95:
0.5109 - val_loss: 1.1226 - val_auc_95: 0.5026
Epoch 437/500
267/267 [=====] - 1s 3ms/step - loss: 2.3898 - auc_95:
0.5079 - val_loss: 2.7387 - val_auc_95: 0.5048
Epoch 438/500
267/267 [=====] - 1s 3ms/step - loss: 2.5540 - auc_95:
0.5095 - val_loss: 1.8166 - val_auc_95: 0.5085
Epoch 439/500
267/267 [=====] - 1s 3ms/step - loss: 2.0516 - auc_95:
0.5075 - val_loss: 1.8783 - val_auc_95: 0.4904
Epoch 440/500

267/267 [=====] - 1s 3ms/step - loss: 2.3730 - auc_95:
 0.5069 - val_loss: 1.5033 - val_auc_95: 0.4979
 Epoch 441/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1737 - auc_95:
 0.5098 - val_loss: 3.6314 - val_auc_95: 0.5051
 Epoch 442/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5506 - auc_95:
 0.5073 - val_loss: 1.6200 - val_auc_95: 0.5155
 Epoch 443/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1703 - auc_95:
 0.5107 - val_loss: 3.2766 - val_auc_95: 0.5156
 Epoch 444/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3349 - auc_95:
 0.5100 - val_loss: 2.2959 - val_auc_95: 0.4965
 Epoch 445/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1956 - auc_95:
 0.5081 - val_loss: 3.3407 - val_auc_95: 0.5084
 Epoch 446/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3016 - auc_95:
 0.5076 - val_loss: 2.7917 - val_auc_95: 0.5179
 Epoch 447/500
 267/267 [=====] - 1s 3ms/step - loss: 2.6922 - auc_95:
 0.5053 - val_loss: 3.9341 - val_auc_95: 0.5058
 Epoch 448/500
 267/267 [=====] - 1s 3ms/step - loss: 2.8125 - auc_95:
 0.5046 - val_loss: 2.3572 - val_auc_95: 0.5044
 Epoch 449/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3691 - auc_95:
 0.5103 - val_loss: 3.2812 - val_auc_95: 0.5092
 Epoch 450/500
 267/267 [=====] - 1s 3ms/step - loss: 2.7039 - auc_95:
 0.5060 - val_loss: 3.4773 - val_auc_95: 0.5106
 Epoch 451/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1938 - auc_95:
 0.5108 - val_loss: 1.9700 - val_auc_95: 0.5008
 Epoch 452/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2647 - auc_95:
 0.5101 - val_loss: 2.3360 - val_auc_95: 0.5124
 Epoch 453/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1799 - auc_95:
 0.5108 - val_loss: 1.8763 - val_auc_95: 0.5131
 Epoch 454/500
 267/267 [=====] - 1s 3ms/step - loss: 1.9991 - auc_95:
 0.5052 - val_loss: 2.4694 - val_auc_95: 0.5102
 Epoch 455/500
 267/267 [=====] - 1s 3ms/step - loss: 2.8399 - auc_95:
 0.5050 - val_loss: 1.5813 - val_auc_95: 0.5067
 Epoch 456/500

267/267 [=====] - 1s 3ms/step - loss: 2.3599 - auc_95:
0.5064 - val_loss: 1.8812 - val_auc_95: 0.5029
Epoch 457/500
267/267 [=====] - 1s 3ms/step - loss: 2.3424 - auc_95:
0.5054 - val_loss: 1.3534 - val_auc_95: 0.5022
Epoch 458/500
267/267 [=====] - 1s 3ms/step - loss: 2.4088 - auc_95:
0.5066 - val_loss: 2.2265 - val_auc_95: 0.5040
Epoch 459/500
267/267 [=====] - 1s 3ms/step - loss: 2.3219 - auc_95:
0.5087 - val_loss: 3.0839 - val_auc_95: 0.4953
Epoch 460/500
267/267 [=====] - 1s 3ms/step - loss: 2.4771 - auc_95:
0.5110 - val_loss: 3.7635 - val_auc_95: 0.5010
Epoch 461/500
267/267 [=====] - 1s 3ms/step - loss: 2.0742 - auc_95:
0.5035 - val_loss: 2.4327 - val_auc_95: 0.5109
Epoch 462/500
267/267 [=====] - 1s 3ms/step - loss: 2.7876 - auc_95:
0.5105 - val_loss: 1.4070 - val_auc_95: 0.5122
Epoch 463/500
267/267 [=====] - 1s 3ms/step - loss: 2.4760 - auc_95:
0.5075 - val_loss: 1.8041 - val_auc_95: 0.4905
Epoch 464/500
267/267 [=====] - 1s 3ms/step - loss: 2.0819 - auc_95:
0.5071 - val_loss: 1.9182 - val_auc_95: 0.4900
Epoch 465/500
267/267 [=====] - 1s 3ms/step - loss: 2.2870 - auc_95:
0.5096 - val_loss: 2.2722 - val_auc_95: 0.5144
Epoch 466/500
267/267 [=====] - 1s 3ms/step - loss: 2.1449 - auc_95:
0.5116 - val_loss: 1.5924 - val_auc_95: 0.5099
Epoch 467/500
267/267 [=====] - 1s 3ms/step - loss: 1.9567 - auc_95:
0.5100 - val_loss: 2.6091 - val_auc_95: 0.4921
Epoch 468/500
267/267 [=====] - 1s 3ms/step - loss: 2.1955 - auc_95:
0.5116 - val_loss: 1.1559 - val_auc_95: 0.5066
Epoch 469/500
267/267 [=====] - 1s 3ms/step - loss: 1.9733 - auc_95:
0.5098 - val_loss: 2.3382 - val_auc_95: 0.5094
Epoch 470/500
267/267 [=====] - 1s 3ms/step - loss: 2.4496 - auc_95:
0.5075 - val_loss: 3.4687 - val_auc_95: 0.5094
Epoch 471/500
267/267 [=====] - 1s 3ms/step - loss: 2.1274 - auc_95:
0.5095 - val_loss: 2.1204 - val_auc_95: 0.5042
Epoch 472/500

267/267 [=====] - 1s 3ms/step - loss: 2.2175 - auc_95:
 0.5098 - val_loss: 1.2438 - val_auc_95: 0.5060
 Epoch 473/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2466 - auc_95:
 0.5074 - val_loss: 1.8896 - val_auc_95: 0.5151
 Epoch 474/500
 267/267 [=====] - 1s 3ms/step - loss: 1.8887 - auc_95:
 0.5074 - val_loss: 2.6503 - val_auc_95: 0.5055
 Epoch 475/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0400 - auc_95:
 0.5067 - val_loss: 2.1135 - val_auc_95: 0.5100
 Epoch 476/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5624 - auc_95:
 0.5067 - val_loss: 2.1416 - val_auc_95: 0.4979
 Epoch 477/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3425 - auc_95:
 0.5054 - val_loss: 1.7933 - val_auc_95: 0.5102
 Epoch 478/500
 267/267 [=====] - 1s 3ms/step - loss: 2.7690 - auc_95:
 0.5087 - val_loss: 6.2297 - val_auc_95: 0.5023
 Epoch 479/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2455 - auc_95:
 0.5136 - val_loss: 2.3329 - val_auc_95: 0.5104
 Epoch 480/500
 267/267 [=====] - 1s 3ms/step - loss: 2.3277 - auc_95:
 0.5088 - val_loss: 2.5108 - val_auc_95: 0.5101
 Epoch 481/500
 267/267 [=====] - 1s 3ms/step - loss: 2.5472 - auc_95:
 0.5078 - val_loss: 1.1931 - val_auc_95: 0.5119
 Epoch 482/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4827 - auc_95:
 0.5088 - val_loss: 3.1549 - val_auc_95: 0.5047
 Epoch 483/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4791 - auc_95:
 0.5052 - val_loss: 2.3166 - val_auc_95: 0.4897
 Epoch 484/500
 267/267 [=====] - 1s 3ms/step - loss: 2.0731 - auc_95:
 0.5106 - val_loss: 3.3572 - val_auc_95: 0.5043
 Epoch 485/500
 267/267 [=====] - 1s 3ms/step - loss: 2.1938 - auc_95:
 0.5091 - val_loss: 3.3672 - val_auc_95: 0.5145
 Epoch 486/500
 267/267 [=====] - 1s 3ms/step - loss: 2.2416 - auc_95:
 0.5088 - val_loss: 3.7308 - val_auc_95: 0.4942
 Epoch 487/500
 267/267 [=====] - 1s 3ms/step - loss: 2.4016 - auc_95:
 0.5093 - val_loss: 2.3153 - val_auc_95: 0.5130
 Epoch 488/500

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267/267 [=====] - 1s 3ms/step - loss: 2.1777 - auc_95:
0.5095 - val_loss: 1.2062 - val_auc_95: 0.5025
Epoch 489/500
267/267 [=====] - 1s 3ms/step - loss: 2.2422 - auc_95:
0.5069 - val_loss: 3.0795 - val_auc_95: 0.5039
Epoch 490/500
267/267 [=====] - 1s 3ms/step - loss: 2.3464 - auc_95:
0.5049 - val_loss: 2.2796 - val_auc_95: 0.5113
Epoch 491/500
267/267 [=====] - 1s 3ms/step - loss: 2.3951 - auc_95:
0.5095 - val_loss: 2.2120 - val_auc_95: 0.5101
Epoch 492/500
267/267 [=====] - 1s 3ms/step - loss: 2.2042 - auc_95:
0.5048 - val_loss: 2.2942 - val_auc_95: 0.5130
Epoch 493/500
267/267 [=====] - 1s 3ms/step - loss: 2.1156 - auc_95:
0.5093 - val_loss: 1.6191 - val_auc_95: 0.5018
Epoch 494/500
267/267 [=====] - 1s 3ms/step - loss: 2.1574 - auc_95:
0.5081 - val_loss: 5.7136 - val_auc_95: 0.5006
Epoch 495/500
267/267 [=====] - 1s 3ms/step - loss: 2.2015 - auc_95:
0.5095 - val_loss: 1.6235 - val_auc_95: 0.5049
Epoch 496/500
267/267 [=====] - 1s 3ms/step - loss: 2.4326 - auc_95:
0.5074 - val_loss: 1.4414 - val_auc_95: 0.5146
Epoch 497/500
267/267 [=====] - 1s 3ms/step - loss: 2.6744 - auc_95:
0.5097 - val_loss: 3.0070 - val_auc_95: 0.5124
Epoch 498/500
267/267 [=====] - 1s 3ms/step - loss: 2.3635 - auc_95:
0.5073 - val_loss: 2.7208 - val_auc_95: 0.5036
Epoch 499/500
267/267 [=====] - 1s 3ms/step - loss: 2.1826 - auc_95:
0.5086 - val_loss: 1.6407 - val_auc_95: 0.5030
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 2.2026 - auc_95:
0.5091 - val_loss: 2.7553 - val_auc_95: 0.4962
625/625 [=====] - 0s 562us/step
[CV] ... epochs=500, learning_rate=0.01, score=0.507, total= 6.7min
[CV] epochs=500, learning_rate=0.1 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 20.2219 - auc_96:
0.5014 - val_loss: 47.4968 - val_auc_96: 0.4996
Epoch 2/500
267/267 [=====] - 1s 3ms/step - loss: 20.0871 - auc_96:
0.5016 - val_loss: 26.7464 - val_auc_96: 0.5064
Epoch 3/500

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267/267 [=====] - 1s 3ms/step - loss: 16.2867 - auc_96:
0.5018 - val_loss: 25.1994 - val_auc_96: 0.5015
Epoch 4/500
267/267 [=====] - 1s 3ms/step - loss: 22.3366 - auc_96:
0.5005 - val_loss: 29.5447 - val_auc_96: 0.4901
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 20.4283 - auc_96:
0.5043 - val_loss: 11.5658 - val_auc_96: 0.5109
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 24.9993 - auc_96:
0.5031 - val_loss: 26.4887 - val_auc_96: 0.5015
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 21.2459 - auc_96:
0.5012 - val_loss: 17.7958 - val_auc_96: 0.5127
Epoch 8/500
267/267 [=====] - 1s 3ms/step - loss: 21.2246 - auc_96:
0.5015 - val_loss: 19.8461 - val_auc_96: 0.5054
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 22.9135 - auc_96:
0.5047 - val_loss: 23.9013 - val_auc_96: 0.5058
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 18.9461 - auc_96:
0.5048 - val_loss: 17.4036 - val_auc_96: 0.5061
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 17.9749 - auc_96:
0.5004 - val_loss: 22.8200 - val_auc_96: 0.4992
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 23.9473 - auc_96:
0.5024 - val_loss: 7.1858 - val_auc_96: 0.5035
Epoch 13/500
267/267 [=====] - 1s 3ms/step - loss: 18.7640 - auc_96:
0.5039 - val_loss: 14.2571 - val_auc_96: 0.5058
Epoch 14/500
267/267 [=====] - 1s 3ms/step - loss: 18.0170 - auc_96:
0.5037 - val_loss: 9.6049 - val_auc_96: 0.4965
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 18.1366 - auc_96:
0.5026 - val_loss: 15.8194 - val_auc_96: 0.5024
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 21.5047 - auc_96:
0.4984 - val_loss: 26.9405 - val_auc_96: 0.4923
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 21.9969 - auc_96:
0.5006 - val_loss: 16.0632 - val_auc_96: 0.4955
Epoch 18/500
267/267 [=====] - 1s 3ms/step - loss: 19.3441 - auc_96:
0.5014 - val_loss: 22.4494 - val_auc_96: 0.5091
Epoch 19/500

267/267 [=====] - 1s 3ms/step - loss: 19.5258 - auc_96:
0.5013 - val_loss: 15.2089 - val_auc_96: 0.5116
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 18.5835 - auc_96:
0.5042 - val_loss: 17.3443 - val_auc_96: 0.4990
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 19.3198 - auc_96:
0.5025 - val_loss: 21.8598 - val_auc_96: 0.4930
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 18.2436 - auc_96:
0.5032 - val_loss: 35.3967 - val_auc_96: 0.5011
Epoch 23/500
267/267 [=====] - 1s 3ms/step - loss: 25.8613 - auc_96:
0.5010 - val_loss: 8.1546 - val_auc_96: 0.4982
Epoch 24/500
267/267 [=====] - 1s 3ms/step - loss: 19.7650 - auc_96:
0.5039 - val_loss: 17.3020 - val_auc_96: 0.5093
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 19.7801 - auc_96:
0.5004 - val_loss: 14.4330 - val_auc_96: 0.5007
Epoch 26/500
267/267 [=====] - 1s 3ms/step - loss: 21.1641 - auc_96:
0.5042 - val_loss: 27.3301 - val_auc_96: 0.4883
Epoch 27/500
267/267 [=====] - 1s 3ms/step - loss: 23.3592 - auc_96:
0.5023 - val_loss: 14.8989 - val_auc_96: 0.5094
Epoch 28/500
267/267 [=====] - 1s 3ms/step - loss: 20.9085 - auc_96:
0.5042 - val_loss: 9.3041 - val_auc_96: 0.5055
Epoch 29/500
267/267 [=====] - 1s 3ms/step - loss: 17.4436 - auc_96:
0.4998 - val_loss: 12.1685 - val_auc_96: 0.5081
Epoch 30/500
267/267 [=====] - 1s 3ms/step - loss: 18.7836 - auc_96:
0.5004 - val_loss: 21.3169 - val_auc_96: 0.5075
Epoch 31/500
267/267 [=====] - 1s 3ms/step - loss: 23.1152 - auc_96:
0.5018 - val_loss: 12.9279 - val_auc_96: 0.4924
Epoch 32/500
267/267 [=====] - 1s 3ms/step - loss: 17.3165 - auc_96:
0.5034 - val_loss: 27.8663 - val_auc_96: 0.5037
Epoch 33/500
267/267 [=====] - 1s 3ms/step - loss: 22.5956 - auc_96:
0.5041 - val_loss: 32.9177 - val_auc_96: 0.4882
Epoch 34/500
267/267 [=====] - 1s 3ms/step - loss: 23.6839 - auc_96:
0.5027 - val_loss: 30.8921 - val_auc_96: 0.4978
Epoch 35/500

267/267 [=====] - 1s 3ms/step - loss: 17.3355 - auc_96:
 0.5056 - val_loss: 17.0457 - val_auc_96: 0.5018
 Epoch 36/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1101 - auc_96:
 0.5009 - val_loss: 14.9644 - val_auc_96: 0.5044
 Epoch 37/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9020 - auc_96:
 0.5046 - val_loss: 5.9047 - val_auc_96: 0.4995
 Epoch 38/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7634 - auc_96:
 0.5009 - val_loss: 16.5482 - val_auc_96: 0.4934
 Epoch 39/500
 267/267 [=====] - 1s 3ms/step - loss: 15.9810 - auc_96:
 0.5016 - val_loss: 18.7863 - val_auc_96: 0.4993
 Epoch 40/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7862 - auc_96:
 0.5043 - val_loss: 19.0533 - val_auc_96: 0.5072
 Epoch 41/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8897 - auc_96:
 0.5019 - val_loss: 21.3112 - val_auc_96: 0.5200
 Epoch 42/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0297 - auc_96:
 0.4999 - val_loss: 29.2601 - val_auc_96: 0.4993
 Epoch 43/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1410 - auc_96:
 0.5007 - val_loss: 30.3060 - val_auc_96: 0.4958
 Epoch 44/500
 267/267 [=====] - 1s 3ms/step - loss: 21.9762 - auc_96:
 0.5020 - val_loss: 18.4877 - val_auc_96: 0.5086
 Epoch 45/500
 267/267 [=====] - 1s 3ms/step - loss: 23.3694 - auc_96:
 0.5003 - val_loss: 13.5828 - val_auc_96: 0.4986
 Epoch 46/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3923 - auc_96:
 0.5028 - val_loss: 14.7177 - val_auc_96: 0.4929
 Epoch 47/500
 267/267 [=====] - 1s 3ms/step - loss: 23.8269 - auc_96:
 0.5023 - val_loss: 33.5951 - val_auc_96: 0.4970
 Epoch 48/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9930 - auc_96:
 0.5019 - val_loss: 25.7972 - val_auc_96: 0.5101
 Epoch 49/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2641 - auc_96:
 0.5028 - val_loss: 17.8292 - val_auc_96: 0.5092
 Epoch 50/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2248 - auc_96:
 0.5026 - val_loss: 23.2872 - val_auc_96: 0.5097
 Epoch 51/500

267/267 [=====] - 1s 3ms/step - loss: 17.7813 - auc_96:
0.5013 - val_loss: 20.6101 - val_auc_96: 0.5174
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 22.7258 - auc_96:
0.5030 - val_loss: 22.1461 - val_auc_96: 0.4928
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 22.0781 - auc_96:
0.5007 - val_loss: 26.0983 - val_auc_96: 0.4951
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 16.4326 - auc_96:
0.5046 - val_loss: 8.5111 - val_auc_96: 0.5049
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 19.0602 - auc_96:
0.5033 - val_loss: 22.4780 - val_auc_96: 0.4974
Epoch 56/500
267/267 [=====] - 1s 3ms/step - loss: 24.5298 - auc_96:
0.5022 - val_loss: 11.4826 - val_auc_96: 0.5046
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 22.1656 - auc_96:
0.5064 - val_loss: 10.9724 - val_auc_96: 0.4919
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 23.9144 - auc_96:
0.5013 - val_loss: 47.3937 - val_auc_96: 0.5092
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 17.0914 - auc_96:
0.5050 - val_loss: 19.1887 - val_auc_96: 0.5060
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 25.8436 - auc_96:
0.5029 - val_loss: 6.0182 - val_auc_96: 0.5089
Epoch 61/500
267/267 [=====] - 1s 3ms/step - loss: 17.5184 - auc_96:
0.5002 - val_loss: 18.9021 - val_auc_96: 0.5075
Epoch 62/500
267/267 [=====] - 1s 3ms/step - loss: 17.1030 - auc_96:
0.4985 - val_loss: 15.2540 - val_auc_96: 0.5065
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 16.6973 - auc_96:
0.5014 - val_loss: 13.5190 - val_auc_96: 0.4906
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 20.7590 - auc_96:
0.5006 - val_loss: 18.0739 - val_auc_96: 0.5054
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 19.1771 - auc_96:
0.4991 - val_loss: 21.7735 - val_auc_96: 0.5065
Epoch 66/500
267/267 [=====] - 1s 3ms/step - loss: 17.0446 - auc_96:
0.5010 - val_loss: 14.3737 - val_auc_96: 0.5024
Epoch 67/500

267/267 [=====] - 1s 3ms/step - loss: 18.7377 - auc_96:
 0.5024 - val_loss: 11.0125 - val_auc_96: 0.5120
 Epoch 68/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1999 - auc_96:
 0.5028 - val_loss: 17.6557 - val_auc_96: 0.5063
 Epoch 69/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4925 - auc_96:
 0.4997 - val_loss: 14.0557 - val_auc_96: 0.5008
 Epoch 70/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6479 - auc_96:
 0.5069 - val_loss: 17.0103 - val_auc_96: 0.4923
 Epoch 71/500
 267/267 [=====] - 1s 3ms/step - loss: 22.9511 - auc_96:
 0.5017 - val_loss: 38.1493 - val_auc_96: 0.5081
 Epoch 72/500
 267/267 [=====] - 1s 4ms/step - loss: 20.1347 - auc_96:
 0.5039 - val_loss: 18.0934 - val_auc_96: 0.5118
 Epoch 73/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6653 - auc_96:
 0.5034 - val_loss: 20.2125 - val_auc_96: 0.5026
 Epoch 74/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7571 - auc_96:
 0.5052 - val_loss: 14.2771 - val_auc_96: 0.5019
 Epoch 75/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5958 - auc_96:
 0.5053 - val_loss: 25.3183 - val_auc_96: 0.4978
 Epoch 76/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6181 - auc_96:
 0.5020 - val_loss: 22.4481 - val_auc_96: 0.5012
 Epoch 77/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0744 - auc_96:
 0.5044 - val_loss: 18.1538 - val_auc_96: 0.5107
 Epoch 78/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0364 - auc_96:
 0.4991 - val_loss: 17.5891 - val_auc_96: 0.5118
 Epoch 79/500
 267/267 [=====] - 1s 3ms/step - loss: 17.5539 - auc_96:
 0.5033 - val_loss: 23.4106 - val_auc_96: 0.5078
 Epoch 80/500
 267/267 [=====] - 1s 3ms/step - loss: 21.8936 - auc_96:
 0.4985 - val_loss: 9.2457 - val_auc_96: 0.5120
 Epoch 81/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0037 - auc_96:
 0.5057 - val_loss: 15.7499 - val_auc_96: 0.4941
 Epoch 82/500
 267/267 [=====] - 1s 3ms/step - loss: 16.4969 - auc_96:
 0.5023 - val_loss: 13.0103 - val_auc_96: 0.4891
 Epoch 83/500

267/267 [=====] - 1s 3ms/step - loss: 20.7888 - auc_96:
 0.4982 - val_loss: 12.2353 - val_auc_96: 0.5044
 Epoch 84/500
 267/267 [=====] - 1s 3ms/step - loss: 23.0964 - auc_96:
 0.5066 - val_loss: 29.7038 - val_auc_96: 0.4869
 Epoch 85/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0317 - auc_96:
 0.5063 - val_loss: 8.8384 - val_auc_96: 0.5095
 Epoch 86/500
 267/267 [=====] - 1s 3ms/step - loss: 21.8484 - auc_96:
 0.5014 - val_loss: 20.6812 - val_auc_96: 0.4993
 Epoch 87/500
 267/267 [=====] - 1s 3ms/step - loss: 22.0492 - auc_96:
 0.5054 - val_loss: 38.2319 - val_auc_96: 0.5065
 Epoch 88/500
 267/267 [=====] - 1s 3ms/step - loss: 21.7462 - auc_96:
 0.5029 - val_loss: 52.0356 - val_auc_96: 0.4974
 Epoch 89/500
 267/267 [=====] - 1s 3ms/step - loss: 21.4993 - auc_96:
 0.5032 - val_loss: 7.1358 - val_auc_96: 0.5013
 Epoch 90/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1223 - auc_96:
 0.5046 - val_loss: 11.1845 - val_auc_96: 0.4997
 Epoch 91/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0899 - auc_96:
 0.5009 - val_loss: 33.2331 - val_auc_96: 0.5091
 Epoch 92/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0073 - auc_96:
 0.5008 - val_loss: 19.2790 - val_auc_96: 0.4962
 Epoch 93/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6874 - auc_96:
 0.5014 - val_loss: 14.6306 - val_auc_96: 0.5006
 Epoch 94/500
 267/267 [=====] - 1s 3ms/step - loss: 23.1041 - auc_96:
 0.5050 - val_loss: 30.0194 - val_auc_96: 0.4962
 Epoch 95/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3696 - auc_96:
 0.5053 - val_loss: 16.0642 - val_auc_96: 0.4971
 Epoch 96/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3610 - auc_96:
 0.5018 - val_loss: 15.5247 - val_auc_96: 0.5051
 Epoch 97/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1928 - auc_96:
 0.5012 - val_loss: 39.2413 - val_auc_96: 0.4923
 Epoch 98/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7874 - auc_96:
 0.5045 - val_loss: 11.7342 - val_auc_96: 0.4937
 Epoch 99/500

267/267 [=====] - 1s 3ms/step - loss: 18.4362 - auc_96:
 0.5000 - val_loss: 39.5886 - val_auc_96: 0.5026
 Epoch 100/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3930 - auc_96:
 0.5007 - val_loss: 16.1798 - val_auc_96: 0.4953
 Epoch 101/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8664 - auc_96:
 0.5010 - val_loss: 15.1655 - val_auc_96: 0.5082
 Epoch 102/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3572 - auc_96:
 0.5037 - val_loss: 10.9239 - val_auc_96: 0.5102
 Epoch 103/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8667 - auc_96:
 0.5025 - val_loss: 8.9979 - val_auc_96: 0.5186
 Epoch 104/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1207 - auc_96:
 0.5019 - val_loss: 43.5360 - val_auc_96: 0.5072
 Epoch 105/500
 267/267 [=====] - 1s 3ms/step - loss: 23.4310 - auc_96:
 0.4999 - val_loss: 29.3676 - val_auc_96: 0.5102
 Epoch 106/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0427 - auc_96:
 0.5010 - val_loss: 39.0050 - val_auc_96: 0.5065
 Epoch 107/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9449 - auc_96:
 0.5049 - val_loss: 18.2838 - val_auc_96: 0.5009
 Epoch 108/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4053 - auc_96:
 0.5029 - val_loss: 15.8325 - val_auc_96: 0.5087
 Epoch 109/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0116 - auc_96:
 0.5021 - val_loss: 21.8962 - val_auc_96: 0.5074
 Epoch 110/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5034 - auc_96:
 0.5028 - val_loss: 14.2318 - val_auc_96: 0.5042
 Epoch 111/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0897 - auc_96:
 0.4983 - val_loss: 7.7333 - val_auc_96: 0.4960
 Epoch 112/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5402 - auc_96:
 0.4979 - val_loss: 20.8186 - val_auc_96: 0.4974
 Epoch 113/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6776 - auc_96:
 0.5036 - val_loss: 32.9977 - val_auc_96: 0.5046
 Epoch 114/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2237 - auc_96:
 0.5033 - val_loss: 12.1085 - val_auc_96: 0.5093
 Epoch 115/500

267/267 [=====] - 1s 3ms/step - loss: 17.9407 - auc_96:
 0.5030 - val_loss: 16.2157 - val_auc_96: 0.4890
 Epoch 116/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4981 - auc_96:
 0.4990 - val_loss: 34.0644 - val_auc_96: 0.4914
 Epoch 117/500
 267/267 [=====] - 1s 3ms/step - loss: 21.9394 - auc_96:
 0.4989 - val_loss: 27.3301 - val_auc_96: 0.5079
 Epoch 118/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7025 - auc_96:
 0.5003 - val_loss: 35.4077 - val_auc_96: 0.4937
 Epoch 119/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7282 - auc_96:
 0.5016 - val_loss: 20.0317 - val_auc_96: 0.4978
 Epoch 120/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4620 - auc_96:
 0.5027 - val_loss: 13.6301 - val_auc_96: 0.4905
 Epoch 121/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2347 - auc_96:
 0.5022 - val_loss: 10.1913 - val_auc_96: 0.5076
 Epoch 122/500
 267/267 [=====] - 1s 3ms/step - loss: 16.7102 - auc_96:
 0.5030 - val_loss: 24.1577 - val_auc_96: 0.4906
 Epoch 123/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0980 - auc_96:
 0.5029 - val_loss: 17.1837 - val_auc_96: 0.4999
 Epoch 124/500
 267/267 [=====] - 1s 3ms/step - loss: 23.6464 - auc_96:
 0.5016 - val_loss: 8.1624 - val_auc_96: 0.4978
 Epoch 125/500
 267/267 [=====] - 1s 3ms/step - loss: 21.7821 - auc_96:
 0.5045 - val_loss: 33.6027 - val_auc_96: 0.5049
 Epoch 126/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1573 - auc_96:
 0.5039 - val_loss: 17.1241 - val_auc_96: 0.5087
 Epoch 127/500
 267/267 [=====] - 1s 3ms/step - loss: 24.0832 - auc_96:
 0.4995 - val_loss: 22.0344 - val_auc_96: 0.5133
 Epoch 128/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3629 - auc_96:
 0.5027 - val_loss: 7.1511 - val_auc_96: 0.5024
 Epoch 129/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7056 - auc_96:
 0.4991 - val_loss: 43.8966 - val_auc_96: 0.5022
 Epoch 130/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6869 - auc_96:
 0.5021 - val_loss: 37.4191 - val_auc_96: 0.4855
 Epoch 131/500

267/267 [=====] - 1s 3ms/step - loss: 18.5856 - auc_96:
0.5057 - val_loss: 35.6172 - val_auc_96: 0.4929
Epoch 132/500
267/267 [=====] - 1s 3ms/step - loss: 21.6598 - auc_96:
0.5054 - val_loss: 42.6619 - val_auc_96: 0.4944
Epoch 133/500
267/267 [=====] - 1s 3ms/step - loss: 24.9738 - auc_96:
0.5030 - val_loss: 20.1084 - val_auc_96: 0.4974
Epoch 134/500
267/267 [=====] - 1s 3ms/step - loss: 20.2957 - auc_96:
0.5041 - val_loss: 9.9750 - val_auc_96: 0.4965
Epoch 135/500
267/267 [=====] - 1s 3ms/step - loss: 15.7269 - auc_96:
0.5058 - val_loss: 8.1022 - val_auc_96: 0.5075
Epoch 136/500
267/267 [=====] - 1s 3ms/step - loss: 21.3691 - auc_96:
0.5025 - val_loss: 23.4315 - val_auc_96: 0.5072
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 24.3021 - auc_96:
0.5062 - val_loss: 12.8628 - val_auc_96: 0.5117
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 20.0006 - auc_96:
0.5011 - val_loss: 38.3967 - val_auc_96: 0.4868
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 23.1336 - auc_96:
0.4990 - val_loss: 24.4294 - val_auc_96: 0.5064
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 18.9337 - auc_96:
0.5029 - val_loss: 20.1849 - val_auc_96: 0.5104
Epoch 141/500
267/267 [=====] - 1s 3ms/step - loss: 20.7084 - auc_96:
0.5018 - val_loss: 35.9487 - val_auc_96: 0.5157
Epoch 142/500
267/267 [=====] - 1s 3ms/step - loss: 21.7129 - auc_96:
0.5022 - val_loss: 19.0980 - val_auc_96: 0.5027
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 20.6588 - auc_96:
0.5028 - val_loss: 14.1497 - val_auc_96: 0.5116
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 23.5918 - auc_96:
0.5044 - val_loss: 25.6194 - val_auc_96: 0.5011
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 20.4934 - auc_96:
0.5019 - val_loss: 20.9971 - val_auc_96: 0.4990
Epoch 146/500
267/267 [=====] - 1s 3ms/step - loss: 21.8078 - auc_96:
0.5018 - val_loss: 5.7393 - val_auc_96: 0.5044
Epoch 147/500

267/267 [=====] - 1s 3ms/step - loss: 19.0068 - auc_96:
 0.4963 - val_loss: 16.2155 - val_auc_96: 0.4985
 Epoch 148/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4301 - auc_96:
 0.5015 - val_loss: 25.3287 - val_auc_96: 0.5081
 Epoch 149/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4343 - auc_96:
 0.5004 - val_loss: 15.3565 - val_auc_96: 0.4995
 Epoch 150/500
 267/267 [=====] - 1s 3ms/step - loss: 16.7446 - auc_96:
 0.5056 - val_loss: 14.7190 - val_auc_96: 0.4854
 Epoch 151/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3343 - auc_96:
 0.5009 - val_loss: 19.0054 - val_auc_96: 0.5143
 Epoch 152/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1199 - auc_96:
 0.5054 - val_loss: 15.8300 - val_auc_96: 0.4981
 Epoch 153/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6122 - auc_96:
 0.5037 - val_loss: 20.6242 - val_auc_96: 0.4953
 Epoch 154/500
 267/267 [=====] - 1s 3ms/step - loss: 23.3855 - auc_96:
 0.5044 - val_loss: 24.1256 - val_auc_96: 0.4982
 Epoch 155/500
 267/267 [=====] - 1s 3ms/step - loss: 16.8643 - auc_96:
 0.5041 - val_loss: 15.2652 - val_auc_96: 0.5122
 Epoch 156/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6672 - auc_96:
 0.5041 - val_loss: 29.2666 - val_auc_96: 0.5106
 Epoch 157/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9487 - auc_96:
 0.5008 - val_loss: 35.0644 - val_auc_96: 0.5118
 Epoch 158/500
 267/267 [=====] - 1s 3ms/step - loss: 21.9590 - auc_96:
 0.5044 - val_loss: 37.2068 - val_auc_96: 0.4898
 Epoch 159/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2203 - auc_96:
 0.5018 - val_loss: 11.1730 - val_auc_96: 0.4982
 Epoch 160/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4480 - auc_96:
 0.5019 - val_loss: 16.1206 - val_auc_96: 0.5083
 Epoch 161/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3608 - auc_96:
 0.5018 - val_loss: 20.0522 - val_auc_96: 0.5018
 Epoch 162/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7106 - auc_96:
 0.5000 - val_loss: 58.1062 - val_auc_96: 0.4919
 Epoch 163/500

267/267 [=====] - 1s 3ms/step - loss: 24.0040 - auc_96:
0.5029 - val_loss: 8.0081 - val_auc_96: 0.4986
Epoch 164/500
267/267 [=====] - 1s 3ms/step - loss: 19.8809 - auc_96:
0.5011 - val_loss: 19.0489 - val_auc_96: 0.4892
Epoch 165/500
267/267 [=====] - 1s 3ms/step - loss: 18.6850 - auc_96:
0.5062 - val_loss: 25.2993 - val_auc_96: 0.4966
Epoch 166/500
267/267 [=====] - 1s 3ms/step - loss: 16.1988 - auc_96:
0.5016 - val_loss: 9.0293 - val_auc_96: 0.5015
Epoch 167/500
267/267 [=====] - 1s 3ms/step - loss: 17.2707 - auc_96:
0.5011 - val_loss: 19.1043 - val_auc_96: 0.5017
Epoch 168/500
267/267 [=====] - 1s 3ms/step - loss: 22.7994 - auc_96:
0.5027 - val_loss: 27.4037 - val_auc_96: 0.4977
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 19.9162 - auc_96:
0.4994 - val_loss: 8.1640 - val_auc_96: 0.4998
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 20.4353 - auc_96:
0.5042 - val_loss: 36.4432 - val_auc_96: 0.5072
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 22.6475 - auc_96:
0.5005 - val_loss: 12.8141 - val_auc_96: 0.4984
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 18.2243 - auc_96:
0.4989 - val_loss: 10.6475 - val_auc_96: 0.4866
Epoch 173/500
267/267 [=====] - 1s 3ms/step - loss: 16.9363 - auc_96:
0.5017 - val_loss: 16.3238 - val_auc_96: 0.4956
Epoch 174/500
267/267 [=====] - 1s 3ms/step - loss: 22.4852 - auc_96:
0.4998 - val_loss: 31.7537 - val_auc_96: 0.4949
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 19.4903 - auc_96:
0.5024 - val_loss: 16.6335 - val_auc_96: 0.5007
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 19.9580 - auc_96:
0.5024 - val_loss: 25.4847 - val_auc_96: 0.5083
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 18.2590 - auc_96:
0.5006 - val_loss: 15.2842 - val_auc_96: 0.5063
Epoch 178/500
267/267 [=====] - 1s 3ms/step - loss: 18.6866 - auc_96:
0.5016 - val_loss: 13.7264 - val_auc_96: 0.4977
Epoch 179/500

267/267 [=====] - 1s 3ms/step - loss: 17.4463 - auc_96:
 0.5058 - val_loss: 17.3118 - val_auc_96: 0.5103
 Epoch 180/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0986 - auc_96:
 0.4990 - val_loss: 10.1753 - val_auc_96: 0.5033
 Epoch 181/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0205 - auc_96:
 0.5049 - val_loss: 11.4713 - val_auc_96: 0.5106
 Epoch 182/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5015 - auc_96:
 0.5018 - val_loss: 30.8011 - val_auc_96: 0.4945
 Epoch 183/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9405 - auc_96:
 0.5044 - val_loss: 9.8637 - val_auc_96: 0.5090
 Epoch 184/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1259 - auc_96:
 0.5035 - val_loss: 16.6980 - val_auc_96: 0.5012
 Epoch 185/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1259 - auc_96:
 0.5032 - val_loss: 8.7205 - val_auc_96: 0.4936
 Epoch 186/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0117 - auc_96:
 0.5038 - val_loss: 43.8255 - val_auc_96: 0.5047
 Epoch 187/500
 267/267 [=====] - 1s 3ms/step - loss: 25.0578 - auc_96:
 0.5003 - val_loss: 11.2430 - val_auc_96: 0.5100
 Epoch 188/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4432 - auc_96:
 0.5014 - val_loss: 45.3367 - val_auc_96: 0.5046
 Epoch 189/500
 267/267 [=====] - 1s 3ms/step - loss: 24.9557 - auc_96:
 0.5028 - val_loss: 14.0246 - val_auc_96: 0.5108
 Epoch 190/500
 267/267 [=====] - 1s 3ms/step - loss: 21.8790 - auc_96:
 0.5023 - val_loss: 9.6154 - val_auc_96: 0.4894
 Epoch 191/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6560 - auc_96:
 0.5037 - val_loss: 24.4533 - val_auc_96: 0.4908
 Epoch 192/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5181 - auc_96:
 0.5060 - val_loss: 15.6310 - val_auc_96: 0.5063
 Epoch 193/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3824 - auc_96:
 0.5041 - val_loss: 10.8342 - val_auc_96: 0.5056
 Epoch 194/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3666 - auc_96:
 0.5012 - val_loss: 7.8487 - val_auc_96: 0.5074
 Epoch 195/500

267/267 [=====] - 1s 3ms/step - loss: 20.4386 - auc_96:
 0.5037 - val_loss: 12.2040 - val_auc_96: 0.5016
 Epoch 196/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0853 - auc_96:
 0.5051 - val_loss: 21.9147 - val_auc_96: 0.5030
 Epoch 197/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9703 - auc_96:
 0.5046 - val_loss: 8.1027 - val_auc_96: 0.4957
 Epoch 198/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7334 - auc_96:
 0.5050 - val_loss: 23.8412 - val_auc_96: 0.5123
 Epoch 199/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6320 - auc_96:
 0.5033 - val_loss: 9.3780 - val_auc_96: 0.5127
 Epoch 200/500
 267/267 [=====] - 1s 3ms/step - loss: 16.9834 - auc_96:
 0.5049 - val_loss: 18.4893 - val_auc_96: 0.4968
 Epoch 201/500
 267/267 [=====] - 1s 3ms/step - loss: 24.8643 - auc_96:
 0.5074 - val_loss: 12.7811 - val_auc_96: 0.4978
 Epoch 202/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9066 - auc_96:
 0.5049 - val_loss: 19.4447 - val_auc_96: 0.5097
 Epoch 203/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9221 - auc_96:
 0.5023 - val_loss: 22.2748 - val_auc_96: 0.5021
 Epoch 204/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5940 - auc_96:
 0.5062 - val_loss: 22.4703 - val_auc_96: 0.5007
 Epoch 205/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4393 - auc_96:
 0.5016 - val_loss: 27.1199 - val_auc_96: 0.5004
 Epoch 206/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2547 - auc_96:
 0.5026 - val_loss: 18.0876 - val_auc_96: 0.5097
 Epoch 207/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5280 - auc_96:
 0.5029 - val_loss: 26.6007 - val_auc_96: 0.5127
 Epoch 208/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6577 - auc_96:
 0.5014 - val_loss: 22.7068 - val_auc_96: 0.4969
 Epoch 209/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8006 - auc_96:
 0.5021 - val_loss: 15.3497 - val_auc_96: 0.5051
 Epoch 210/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5167 - auc_96:
 0.5032 - val_loss: 44.2031 - val_auc_96: 0.5107
 Epoch 211/500

267/267 [=====] - 1s 3ms/step - loss: 20.3508 - auc_96:
 0.5050 - val_loss: 15.0729 - val_auc_96: 0.5040
 Epoch 212/500
 267/267 [=====] - 1s 3ms/step - loss: 17.0798 - auc_96:
 0.5054 - val_loss: 12.0566 - val_auc_96: 0.5035
 Epoch 213/500
 267/267 [=====] - 1s 3ms/step - loss: 22.4401 - auc_96:
 0.4999 - val_loss: 15.9124 - val_auc_96: 0.5099
 Epoch 214/500
 267/267 [=====] - 1s 3ms/step - loss: 17.5327 - auc_96:
 0.5020 - val_loss: 11.9364 - val_auc_96: 0.4949
 Epoch 215/500
 267/267 [=====] - 1s 3ms/step - loss: 22.7089 - auc_96:
 0.5028 - val_loss: 24.3850 - val_auc_96: 0.4921
 Epoch 216/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1244 - auc_96:
 0.5058 - val_loss: 13.4143 - val_auc_96: 0.5124
 Epoch 217/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0800 - auc_96:
 0.5034 - val_loss: 12.7187 - val_auc_96: 0.4931
 Epoch 218/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7524 - auc_96:
 0.5077 - val_loss: 11.4967 - val_auc_96: 0.5079
 Epoch 219/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6926 - auc_96:
 0.5028 - val_loss: 15.4308 - val_auc_96: 0.5141
 Epoch 220/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1260 - auc_96:
 0.5026 - val_loss: 8.9680 - val_auc_96: 0.4936
 Epoch 221/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4340 - auc_96:
 0.5016 - val_loss: 13.2487 - val_auc_96: 0.5053
 Epoch 222/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2053 - auc_96:
 0.5039 - val_loss: 22.7371 - val_auc_96: 0.5079
 Epoch 223/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9271 - auc_96:
 0.5010 - val_loss: 17.9174 - val_auc_96: 0.4967
 Epoch 224/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7949 - auc_96:
 0.5021 - val_loss: 31.4735 - val_auc_96: 0.5014
 Epoch 225/500
 267/267 [=====] - 1s 3ms/step - loss: 21.7063 - auc_96:
 0.5039 - val_loss: 27.9215 - val_auc_96: 0.5002
 Epoch 226/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9195 - auc_96:
 0.5045 - val_loss: 16.0448 - val_auc_96: 0.5100
 Epoch 227/500

267/267 [=====] - 1s 3ms/step - loss: 24.5085 - auc_96:
 0.5023 - val_loss: 33.1653 - val_auc_96: 0.5069
 Epoch 228/500
 267/267 [=====] - 1s 3ms/step - loss: 14.8616 - auc_96:
 0.5060 - val_loss: 26.3053 - val_auc_96: 0.5030
 Epoch 229/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9558 - auc_96:
 0.5036 - val_loss: 21.9962 - val_auc_96: 0.4997
 Epoch 230/500
 267/267 [=====] - 1s 3ms/step - loss: 21.8502 - auc_96:
 0.5026 - val_loss: 6.8956 - val_auc_96: 0.5085
 Epoch 231/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3584 - auc_96:
 0.5055 - val_loss: 17.5636 - val_auc_96: 0.5062
 Epoch 232/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6195 - auc_96:
 0.5055 - val_loss: 15.9516 - val_auc_96: 0.5040
 Epoch 233/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3064 - auc_96:
 0.5072 - val_loss: 11.7620 - val_auc_96: 0.5028
 Epoch 234/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8370 - auc_96:
 0.5038 - val_loss: 11.0900 - val_auc_96: 0.5133
 Epoch 235/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5124 - auc_96:
 0.5044 - val_loss: 18.8764 - val_auc_96: 0.5004
 Epoch 236/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4255 - auc_96:
 0.5029 - val_loss: 13.1189 - val_auc_96: 0.5120
 Epoch 237/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8356 - auc_96:
 0.5023 - val_loss: 33.1929 - val_auc_96: 0.5001
 Epoch 238/500
 267/267 [=====] - 1s 3ms/step - loss: 23.3425 - auc_96:
 0.5048 - val_loss: 18.5078 - val_auc_96: 0.5009
 Epoch 239/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3848 - auc_96:
 0.5019 - val_loss: 23.5053 - val_auc_96: 0.4948
 Epoch 240/500
 267/267 [=====] - 1s 3ms/step - loss: 24.4298 - auc_96:
 0.5038 - val_loss: 25.2380 - val_auc_96: 0.5070
 Epoch 241/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6601 - auc_96:
 0.5002 - val_loss: 20.4522 - val_auc_96: 0.4991
 Epoch 242/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9379 - auc_96:
 0.5007 - val_loss: 13.5879 - val_auc_96: 0.4955
 Epoch 243/500

267/267 [=====] - 1s 3ms/step - loss: 18.4213 - auc_96:
 0.5065 - val_loss: 10.3078 - val_auc_96: 0.5130
 Epoch 244/500
 267/267 [=====] - 1s 3ms/step - loss: 17.5965 - auc_96:
 0.4982 - val_loss: 20.0454 - val_auc_96: 0.5026
 Epoch 245/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5292 - auc_96:
 0.5028 - val_loss: 17.9754 - val_auc_96: 0.4974
 Epoch 246/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1032 - auc_96:
 0.5001 - val_loss: 17.3499 - val_auc_96: 0.4993
 Epoch 247/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8792 - auc_96:
 0.5049 - val_loss: 16.6665 - val_auc_96: 0.5121
 Epoch 248/500
 267/267 [=====] - 1s 3ms/step - loss: 15.8778 - auc_96:
 0.5050 - val_loss: 11.3784 - val_auc_96: 0.5011
 Epoch 249/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6653 - auc_96:
 0.5016 - val_loss: 6.8552 - val_auc_96: 0.4901
 Epoch 250/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5432 - auc_96:
 0.5003 - val_loss: 16.4632 - val_auc_96: 0.5043
 Epoch 251/500
 267/267 [=====] - 1s 3ms/step - loss: 24.6228 - auc_96:
 0.4994 - val_loss: 16.6587 - val_auc_96: 0.4957
 Epoch 252/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5957 - auc_96:
 0.5053 - val_loss: 8.6844 - val_auc_96: 0.4953
 Epoch 253/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9692 - auc_96:
 0.5031 - val_loss: 16.2253 - val_auc_96: 0.5048
 Epoch 254/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0112 - auc_96:
 0.4989 - val_loss: 25.0747 - val_auc_96: 0.5117
 Epoch 255/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3771 - auc_96:
 0.5023 - val_loss: 13.1339 - val_auc_96: 0.5064
 Epoch 256/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9093 - auc_96:
 0.5013 - val_loss: 15.9983 - val_auc_96: 0.4905
 Epoch 257/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4332 - auc_96:
 0.5022 - val_loss: 32.4945 - val_auc_96: 0.5127
 Epoch 258/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7140 - auc_96:
 0.5038 - val_loss: 35.8803 - val_auc_96: 0.4916
 Epoch 259/500

267/267 [=====] - 1s 3ms/step - loss: 19.0176 - auc_96:
 0.5037 - val_loss: 11.3632 - val_auc_96: 0.5055
 Epoch 260/500
 267/267 [=====] - 1s 3ms/step - loss: 16.8194 - auc_96:
 0.5005 - val_loss: 7.4365 - val_auc_96: 0.5008
 Epoch 261/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2937 - auc_96:
 0.5022 - val_loss: 27.7176 - val_auc_96: 0.4886
 Epoch 262/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3986 - auc_96:
 0.5041 - val_loss: 14.9760 - val_auc_96: 0.4971
 Epoch 263/500
 267/267 [=====] - 1s 3ms/step - loss: 23.5256 - auc_96:
 0.5018 - val_loss: 27.8764 - val_auc_96: 0.4998
 Epoch 264/500
 267/267 [=====] - 1s 3ms/step - loss: 15.0588 - auc_96:
 0.5058 - val_loss: 11.1511 - val_auc_96: 0.5051
 Epoch 265/500
 267/267 [=====] - 1s 3ms/step - loss: 25.0453 - auc_96:
 0.5026 - val_loss: 21.8709 - val_auc_96: 0.4947
 Epoch 266/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5207 - auc_96:
 0.5006 - val_loss: 35.7131 - val_auc_96: 0.5011
 Epoch 267/500
 267/267 [=====] - 1s 3ms/step - loss: 22.7598 - auc_96:
 0.5045 - val_loss: 13.6946 - val_auc_96: 0.5064
 Epoch 268/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1992 - auc_96:
 0.5029 - val_loss: 13.0518 - val_auc_96: 0.4935
 Epoch 269/500
 267/267 [=====] - 1s 3ms/step - loss: 22.5660 - auc_96:
 0.5033 - val_loss: 21.5296 - val_auc_96: 0.5112
 Epoch 270/500
 267/267 [=====] - 1s 3ms/step - loss: 24.9109 - auc_96:
 0.5042 - val_loss: 14.0410 - val_auc_96: 0.5118
 Epoch 271/500
 267/267 [=====] - 1s 3ms/step - loss: 22.7395 - auc_96:
 0.5033 - val_loss: 33.6020 - val_auc_96: 0.5068
 Epoch 272/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2089 - auc_96:
 0.5010 - val_loss: 14.6253 - val_auc_96: 0.4926
 Epoch 273/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8883 - auc_96:
 0.4996 - val_loss: 39.7663 - val_auc_96: 0.5088
 Epoch 274/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0513 - auc_96:
 0.5026 - val_loss: 28.0008 - val_auc_96: 0.5043
 Epoch 275/500

267/267 [=====] - 1s 3ms/step - loss: 24.9913 - auc_96:
 0.5041 - val_loss: 17.1247 - val_auc_96: 0.4985
 Epoch 276/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8335 - auc_96:
 0.5036 - val_loss: 14.8664 - val_auc_96: 0.5079
 Epoch 277/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1288 - auc_96:
 0.5043 - val_loss: 15.9134 - val_auc_96: 0.4894
 Epoch 278/500
 267/267 [=====] - 1s 3ms/step - loss: 22.7324 - auc_96:
 0.5002 - val_loss: 10.5327 - val_auc_96: 0.5035
 Epoch 279/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3924 - auc_96:
 0.5017 - val_loss: 21.1773 - val_auc_96: 0.5019
 Epoch 280/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6922 - auc_96:
 0.5036 - val_loss: 22.5813 - val_auc_96: 0.4908
 Epoch 281/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3684 - auc_96:
 0.5078 - val_loss: 19.3714 - val_auc_96: 0.4896
 Epoch 282/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2564 - auc_96:
 0.5030 - val_loss: 13.1278 - val_auc_96: 0.5044
 Epoch 283/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5319 - auc_96:
 0.5016 - val_loss: 24.5487 - val_auc_96: 0.4999
 Epoch 284/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3861 - auc_96:
 0.5036 - val_loss: 13.8203 - val_auc_96: 0.5021
 Epoch 285/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8673 - auc_96:
 0.5027 - val_loss: 21.2527 - val_auc_96: 0.5071
 Epoch 286/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6792 - auc_96:
 0.5020 - val_loss: 23.7101 - val_auc_96: 0.5028
 Epoch 287/500
 267/267 [=====] - 1s 3ms/step - loss: 21.8675 - auc_96:
 0.5043 - val_loss: 8.1774 - val_auc_96: 0.5085
 Epoch 288/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0169 - auc_96:
 0.5042 - val_loss: 20.0581 - val_auc_96: 0.5174
 Epoch 289/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0955 - auc_96:
 0.5000 - val_loss: 22.2074 - val_auc_96: 0.4995
 Epoch 290/500
 267/267 [=====] - 1s 3ms/step - loss: 16.2686 - auc_96:
 0.5002 - val_loss: 25.0700 - val_auc_96: 0.4964
 Epoch 291/500

267/267 [=====] - 1s 3ms/step - loss: 23.7776 - auc_96:
 0.5008 - val_loss: 10.8847 - val_auc_96: 0.5128
 Epoch 292/500
 267/267 [=====] - 1s 3ms/step - loss: 25.2051 - auc_96:
 0.5021 - val_loss: 37.0715 - val_auc_96: 0.5121
 Epoch 293/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6524 - auc_96:
 0.5047 - val_loss: 17.8794 - val_auc_96: 0.4984
 Epoch 294/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7137 - auc_96:
 0.5020 - val_loss: 29.5736 - val_auc_96: 0.5112
 Epoch 295/500
 267/267 [=====] - 1s 3ms/step - loss: 21.4511 - auc_96:
 0.5024 - val_loss: 30.1440 - val_auc_96: 0.5014
 Epoch 296/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8910 - auc_96:
 0.5068 - val_loss: 18.2639 - val_auc_96: 0.4993
 Epoch 297/500
 267/267 [=====] - 1s 3ms/step - loss: 22.4912 - auc_96:
 0.5039 - val_loss: 13.0307 - val_auc_96: 0.4968
 Epoch 298/500
 267/267 [=====] - 1s 3ms/step - loss: 25.0197 - auc_96:
 0.5020 - val_loss: 23.0843 - val_auc_96: 0.5051
 Epoch 299/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5134 - auc_96:
 0.5040 - val_loss: 9.8947 - val_auc_96: 0.5045
 Epoch 300/500
 267/267 [=====] - 1s 3ms/step - loss: 22.4198 - auc_96:
 0.5014 - val_loss: 38.0060 - val_auc_96: 0.5040
 Epoch 301/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8315 - auc_96:
 0.5038 - val_loss: 13.0843 - val_auc_96: 0.4976
 Epoch 302/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6721 - auc_96:
 0.5038 - val_loss: 11.5452 - val_auc_96: 0.5124
 Epoch 303/500
 267/267 [=====] - 1s 3ms/step - loss: 24.6326 - auc_96:
 0.5012 - val_loss: 19.4852 - val_auc_96: 0.5112
 Epoch 304/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2526 - auc_96:
 0.5013 - val_loss: 17.5205 - val_auc_96: 0.5076
 Epoch 305/500
 267/267 [=====] - 1s 3ms/step - loss: 14.4543 - auc_96:
 0.5054 - val_loss: 22.1105 - val_auc_96: 0.4927
 Epoch 306/500
 267/267 [=====] - 1s 3ms/step - loss: 23.7538 - auc_96:
 0.5031 - val_loss: 20.1924 - val_auc_96: 0.4987
 Epoch 307/500

267/267 [=====] - 1s 3ms/step - loss: 20.0504 - auc_96:
 0.5010 - val_loss: 14.9661 - val_auc_96: 0.4957
 Epoch 308/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9083 - auc_96:
 0.5023 - val_loss: 27.0000 - val_auc_96: 0.4986
 Epoch 309/500
 267/267 [=====] - 1s 3ms/step - loss: 22.8564 - auc_96:
 0.5033 - val_loss: 33.7350 - val_auc_96: 0.5118
 Epoch 310/500
 267/267 [=====] - 1s 3ms/step - loss: 23.7397 - auc_96:
 0.5037 - val_loss: 29.0187 - val_auc_96: 0.5082
 Epoch 311/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0140 - auc_96:
 0.5022 - val_loss: 22.2531 - val_auc_96: 0.4868
 Epoch 312/500
 267/267 [=====] - 1s 3ms/step - loss: 15.5747 - auc_96:
 0.4998 - val_loss: 23.9637 - val_auc_96: 0.5128
 Epoch 313/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0411 - auc_96:
 0.4998 - val_loss: 7.7575 - val_auc_96: 0.5013
 Epoch 314/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1908 - auc_96:
 0.5009 - val_loss: 28.9678 - val_auc_96: 0.5010
 Epoch 315/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5475 - auc_96:
 0.5031 - val_loss: 30.5167 - val_auc_96: 0.4964
 Epoch 316/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6267 - auc_96:
 0.5014 - val_loss: 34.5123 - val_auc_96: 0.4978
 Epoch 317/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9925 - auc_96:
 0.5047 - val_loss: 15.8701 - val_auc_96: 0.4893
 Epoch 318/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8437 - auc_96:
 0.5023 - val_loss: 15.4672 - val_auc_96: 0.5145
 Epoch 319/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0083 - auc_96:
 0.5026 - val_loss: 6.8581 - val_auc_96: 0.5013
 Epoch 320/500
 267/267 [=====] - 1s 3ms/step - loss: 23.0091 - auc_96:
 0.5055 - val_loss: 9.4625 - val_auc_96: 0.4920
 Epoch 321/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9017 - auc_96:
 0.5076 - val_loss: 12.3656 - val_auc_96: 0.5067
 Epoch 322/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6097 - auc_96:
 0.5048 - val_loss: 34.0247 - val_auc_96: 0.4957
 Epoch 323/500

267/267 [=====] - 1s 3ms/step - loss: 19.1851 - auc_96:
 0.5016 - val_loss: 41.2089 - val_auc_96: 0.5025
 Epoch 324/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3161 - auc_96:
 0.5050 - val_loss: 12.2974 - val_auc_96: 0.5027
 Epoch 325/500
 267/267 [=====] - 1s 3ms/step - loss: 20.9196 - auc_96:
 0.5033 - val_loss: 32.2979 - val_auc_96: 0.5097
 Epoch 326/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8225 - auc_96:
 0.5048 - val_loss: 17.6565 - val_auc_96: 0.5067
 Epoch 327/500
 267/267 [=====] - 1s 3ms/step - loss: 15.9499 - auc_96:
 0.5024 - val_loss: 18.4856 - val_auc_96: 0.4869
 Epoch 328/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5388 - auc_96:
 0.4988 - val_loss: 28.2259 - val_auc_96: 0.5013
 Epoch 329/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9001 - auc_96:
 0.5011 - val_loss: 40.7321 - val_auc_96: 0.4883
 Epoch 330/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3454 - auc_96:
 0.5041 - val_loss: 9.3419 - val_auc_96: 0.5088
 Epoch 331/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1754 - auc_96:
 0.5055 - val_loss: 28.4876 - val_auc_96: 0.4989
 Epoch 332/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0709 - auc_96:
 0.5028 - val_loss: 20.3083 - val_auc_96: 0.4887
 Epoch 333/500
 267/267 [=====] - 1s 3ms/step - loss: 16.8398 - auc_96:
 0.5009 - val_loss: 25.6434 - val_auc_96: 0.5023
 Epoch 334/500
 267/267 [=====] - 1s 3ms/step - loss: 17.0081 - auc_96:
 0.4987 - val_loss: 20.7161 - val_auc_96: 0.4962
 Epoch 335/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5810 - auc_96:
 0.5050 - val_loss: 19.5009 - val_auc_96: 0.4859
 Epoch 336/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2676 - auc_96:
 0.5058 - val_loss: 19.5753 - val_auc_96: 0.5071
 Epoch 337/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4585 - auc_96:
 0.5019 - val_loss: 23.7885 - val_auc_96: 0.4884
 Epoch 338/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8064 - auc_96:
 0.5000 - val_loss: 25.2910 - val_auc_96: 0.5053
 Epoch 339/500

267/267 [=====] - 1s 3ms/step - loss: 17.7704 - auc_96:
 0.5018 - val_loss: 12.3018 - val_auc_96: 0.4991
 Epoch 340/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1611 - auc_96:
 0.5060 - val_loss: 33.3818 - val_auc_96: 0.5049
 Epoch 341/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9511 - auc_96:
 0.5012 - val_loss: 11.7739 - val_auc_96: 0.4926
 Epoch 342/500
 267/267 [=====] - 1s 3ms/step - loss: 23.4092 - auc_96:
 0.4981 - val_loss: 14.9654 - val_auc_96: 0.5158
 Epoch 343/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2294 - auc_96:
 0.5060 - val_loss: 27.3579 - val_auc_96: 0.5056
 Epoch 344/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0561 - auc_96:
 0.5044 - val_loss: 9.4231 - val_auc_96: 0.5120
 Epoch 345/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4890 - auc_96:
 0.5026 - val_loss: 14.1639 - val_auc_96: 0.5067
 Epoch 346/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7113 - auc_96:
 0.5004 - val_loss: 31.4719 - val_auc_96: 0.4983
 Epoch 347/500
 267/267 [=====] - 1s 3ms/step - loss: 17.1936 - auc_96:
 0.5036 - val_loss: 24.5035 - val_auc_96: 0.4951
 Epoch 348/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3862 - auc_96:
 0.5039 - val_loss: 7.6717 - val_auc_96: 0.5093
 Epoch 349/500
 267/267 [=====] - 1s 3ms/step - loss: 21.9697 - auc_96:
 0.5035 - val_loss: 37.0033 - val_auc_96: 0.4996
 Epoch 350/500
 267/267 [=====] - 1s 3ms/step - loss: 26.1409 - auc_96:
 0.5025 - val_loss: 46.2070 - val_auc_96: 0.5010
 Epoch 351/500
 267/267 [=====] - 1s 3ms/step - loss: 26.7062 - auc_96:
 0.5056 - val_loss: 18.7831 - val_auc_96: 0.4979
 Epoch 352/500
 267/267 [=====] - 1s 3ms/step - loss: 22.2013 - auc_96:
 0.5049 - val_loss: 13.9519 - val_auc_96: 0.4975
 Epoch 353/500
 267/267 [=====] - 1s 3ms/step - loss: 17.2645 - auc_96:
 0.5023 - val_loss: 27.4659 - val_auc_96: 0.5110
 Epoch 354/500
 267/267 [=====] - 1s 3ms/step - loss: 16.9476 - auc_96:
 0.5044 - val_loss: 13.2236 - val_auc_96: 0.4934
 Epoch 355/500

267/267 [=====] - 1s 3ms/step - loss: 19.9759 - auc_96:
 0.5050 - val_loss: 13.1706 - val_auc_96: 0.5075
 Epoch 356/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1885 - auc_96:
 0.5064 - val_loss: 21.8987 - val_auc_96: 0.5046
 Epoch 357/500
 267/267 [=====] - 1s 3ms/step - loss: 22.9517 - auc_96:
 0.5033 - val_loss: 10.6001 - val_auc_96: 0.5109
 Epoch 358/500
 267/267 [=====] - 1s 3ms/step - loss: 22.3241 - auc_96:
 0.5009 - val_loss: 29.6517 - val_auc_96: 0.4980
 Epoch 359/500
 267/267 [=====] - 1s 3ms/step - loss: 22.6007 - auc_96:
 0.5035 - val_loss: 17.9092 - val_auc_96: 0.4897
 Epoch 360/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5846 - auc_96:
 0.5036 - val_loss: 31.1436 - val_auc_96: 0.4943
 Epoch 361/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5845 - auc_96:
 0.5032 - val_loss: 37.0711 - val_auc_96: 0.5063
 Epoch 362/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6649 - auc_96:
 0.5001 - val_loss: 23.5624 - val_auc_96: 0.4930
 Epoch 363/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9155 - auc_96:
 0.5035 - val_loss: 16.6275 - val_auc_96: 0.5065
 Epoch 364/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2693 - auc_96:
 0.5027 - val_loss: 14.4069 - val_auc_96: 0.5115
 Epoch 365/500
 267/267 [=====] - 1s 3ms/step - loss: 22.3552 - auc_96:
 0.5028 - val_loss: 6.1721 - val_auc_96: 0.4922
 Epoch 366/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8836 - auc_96:
 0.5012 - val_loss: 10.3684 - val_auc_96: 0.5013
 Epoch 367/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0653 - auc_96:
 0.5028 - val_loss: 20.2215 - val_auc_96: 0.4956
 Epoch 368/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5948 - auc_96:
 0.5038 - val_loss: 39.6524 - val_auc_96: 0.4977
 Epoch 369/500
 267/267 [=====] - 1s 3ms/step - loss: 23.9539 - auc_96:
 0.5019 - val_loss: 28.8896 - val_auc_96: 0.5010
 Epoch 370/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0844 - auc_96:
 0.5005 - val_loss: 32.4655 - val_auc_96: 0.4992
 Epoch 371/500

267/267 [=====] - 1s 3ms/step - loss: 20.2076 - auc_96:
 0.4995 - val_loss: 22.0016 - val_auc_96: 0.5046
 Epoch 372/500
 267/267 [=====] - 1s 3ms/step - loss: 21.4730 - auc_96:
 0.5024 - val_loss: 13.5829 - val_auc_96: 0.5033
 Epoch 373/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9472 - auc_96:
 0.4997 - val_loss: 8.3060 - val_auc_96: 0.5090
 Epoch 374/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7422 - auc_96:
 0.5019 - val_loss: 57.8043 - val_auc_96: 0.4904
 Epoch 375/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8006 - auc_96:
 0.5027 - val_loss: 12.6935 - val_auc_96: 0.5049
 Epoch 376/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7500 - auc_96:
 0.5059 - val_loss: 19.2888 - val_auc_96: 0.5044
 Epoch 377/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8231 - auc_96:
 0.5052 - val_loss: 16.4407 - val_auc_96: 0.5019
 Epoch 378/500
 267/267 [=====] - 1s 3ms/step - loss: 25.4762 - auc_96:
 0.5055 - val_loss: 14.8165 - val_auc_96: 0.5022
 Epoch 379/500
 267/267 [=====] - 1s 3ms/step - loss: 24.0638 - auc_96:
 0.5034 - val_loss: 5.6218 - val_auc_96: 0.5015
 Epoch 380/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4129 - auc_96:
 0.5022 - val_loss: 18.7235 - val_auc_96: 0.5063
 Epoch 381/500
 267/267 [=====] - 1s 3ms/step - loss: 22.5409 - auc_96:
 0.5026 - val_loss: 26.8808 - val_auc_96: 0.4879
 Epoch 382/500
 267/267 [=====] - 1s 3ms/step - loss: 22.8861 - auc_96:
 0.4977 - val_loss: 29.6419 - val_auc_96: 0.5022
 Epoch 383/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6716 - auc_96:
 0.5016 - val_loss: 11.1478 - val_auc_96: 0.5093
 Epoch 384/500
 267/267 [=====] - 1s 3ms/step - loss: 15.2152 - auc_96:
 0.5024 - val_loss: 19.4973 - val_auc_96: 0.5048
 Epoch 385/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6681 - auc_96:
 0.5043 - val_loss: 12.1179 - val_auc_96: 0.5056
 Epoch 386/500
 267/267 [=====] - 1s 3ms/step - loss: 21.7335 - auc_96:
 0.4999 - val_loss: 22.9915 - val_auc_96: 0.5130
 Epoch 387/500

267/267 [=====] - 1s 3ms/step - loss: 16.3319 - auc_96:
0.5021 - val_loss: 30.2787 - val_auc_96: 0.4987
Epoch 388/500
267/267 [=====] - 1s 3ms/step - loss: 20.0347 - auc_96:
0.5024 - val_loss: 10.2951 - val_auc_96: 0.5015
Epoch 389/500
267/267 [=====] - 1s 3ms/step - loss: 17.1440 - auc_96:
0.5036 - val_loss: 23.7687 - val_auc_96: 0.4923
Epoch 390/500
267/267 [=====] - 1s 3ms/step - loss: 19.2317 - auc_96:
0.5033 - val_loss: 15.5066 - val_auc_96: 0.5121
Epoch 391/500
267/267 [=====] - 1s 3ms/step - loss: 18.5807 - auc_96:
0.5026 - val_loss: 6.7062 - val_auc_96: 0.4980
Epoch 392/500
267/267 [=====] - 1s 3ms/step - loss: 20.3601 - auc_96:
0.5022 - val_loss: 26.4226 - val_auc_96: 0.5085
Epoch 393/500
267/267 [=====] - 1s 3ms/step - loss: 23.8101 - auc_96:
0.5030 - val_loss: 14.6538 - val_auc_96: 0.5038
Epoch 394/500
267/267 [=====] - 1s 3ms/step - loss: 19.4299 - auc_96:
0.5049 - val_loss: 11.8234 - val_auc_96: 0.5037
Epoch 395/500
267/267 [=====] - 1s 3ms/step - loss: 18.8955 - auc_96:
0.5026 - val_loss: 29.7600 - val_auc_96: 0.5049
Epoch 396/500
267/267 [=====] - 1s 3ms/step - loss: 18.9408 - auc_96:
0.5049 - val_loss: 12.0542 - val_auc_96: 0.5184
Epoch 397/500
267/267 [=====] - 1s 3ms/step - loss: 22.6035 - auc_96:
0.4985 - val_loss: 22.7797 - val_auc_96: 0.4916
Epoch 398/500
267/267 [=====] - 1s 3ms/step - loss: 20.5139 - auc_96:
0.5037 - val_loss: 22.8471 - val_auc_96: 0.5028
Epoch 399/500
267/267 [=====] - 1s 3ms/step - loss: 19.9189 - auc_96:
0.5036 - val_loss: 12.0503 - val_auc_96: 0.5040
Epoch 400/500
267/267 [=====] - 1s 3ms/step - loss: 18.0028 - auc_96:
0.5048 - val_loss: 4.5385 - val_auc_96: 0.5014
Epoch 401/500
267/267 [=====] - 1s 3ms/step - loss: 16.9335 - auc_96:
0.5032 - val_loss: 13.2522 - val_auc_96: 0.5090
Epoch 402/500
267/267 [=====] - 1s 3ms/step - loss: 17.6043 - auc_96:
0.5052 - val_loss: 7.7586 - val_auc_96: 0.5108
Epoch 403/500

267/267 [=====] - 1s 3ms/step - loss: 18.8931 - auc_96:
 0.5000 - val_loss: 12.8088 - val_auc_96: 0.4949
 Epoch 404/500
 267/267 [=====] - 1s 3ms/step - loss: 21.2875 - auc_96:
 0.5029 - val_loss: 29.9214 - val_auc_96: 0.5070
 Epoch 405/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9588 - auc_96:
 0.5026 - val_loss: 15.5139 - val_auc_96: 0.5009
 Epoch 406/500
 267/267 [=====] - 1s 3ms/step - loss: 21.8440 - auc_96:
 0.5026 - val_loss: 41.0395 - val_auc_96: 0.5067
 Epoch 407/500
 267/267 [=====] - 1s 3ms/step - loss: 21.7478 - auc_96:
 0.5019 - val_loss: 30.6667 - val_auc_96: 0.4895
 Epoch 408/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1377 - auc_96:
 0.5043 - val_loss: 38.5304 - val_auc_96: 0.5109
 Epoch 409/500
 267/267 [=====] - 1s 3ms/step - loss: 17.1954 - auc_96:
 0.5025 - val_loss: 24.7493 - val_auc_96: 0.5124
 Epoch 410/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0370 - auc_96:
 0.5016 - val_loss: 25.3466 - val_auc_96: 0.5080
 Epoch 411/500
 267/267 [=====] - 1s 3ms/step - loss: 23.2146 - auc_96:
 0.5016 - val_loss: 8.6826 - val_auc_96: 0.4889
 Epoch 412/500
 267/267 [=====] - 1s 3ms/step - loss: 16.3710 - auc_96:
 0.5062 - val_loss: 15.6075 - val_auc_96: 0.5069
 Epoch 413/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0476 - auc_96:
 0.4997 - val_loss: 18.4917 - val_auc_96: 0.5059
 Epoch 414/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4835 - auc_96:
 0.5040 - val_loss: 23.4877 - val_auc_96: 0.4966
 Epoch 415/500
 267/267 [=====] - 1s 3ms/step - loss: 17.2588 - auc_96:
 0.5034 - val_loss: 43.5628 - val_auc_96: 0.4974
 Epoch 416/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3549 - auc_96:
 0.5010 - val_loss: 24.8031 - val_auc_96: 0.5006
 Epoch 417/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2009 - auc_96:
 0.5013 - val_loss: 20.4345 - val_auc_96: 0.4881
 Epoch 418/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9583 - auc_96:
 0.5017 - val_loss: 12.3733 - val_auc_96: 0.5077
 Epoch 419/500

267/267 [=====] - 1s 3ms/step - loss: 24.0211 - auc_96:
 0.5036 - val_loss: 8.7273 - val_auc_96: 0.5005
 Epoch 420/500
 267/267 [=====] - 1s 3ms/step - loss: 24.0822 - auc_96:
 0.5021 - val_loss: 28.9724 - val_auc_96: 0.4908
 Epoch 421/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8915 - auc_96:
 0.5021 - val_loss: 36.9167 - val_auc_96: 0.5007
 Epoch 422/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8827 - auc_96:
 0.5028 - val_loss: 14.5277 - val_auc_96: 0.5007
 Epoch 423/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6194 - auc_96:
 0.5045 - val_loss: 22.6140 - val_auc_96: 0.5147
 Epoch 424/500
 267/267 [=====] - 1s 3ms/step - loss: 16.0738 - auc_96:
 0.5011 - val_loss: 5.4158 - val_auc_96: 0.5140
 Epoch 425/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4842 - auc_96:
 0.5001 - val_loss: 11.5299 - val_auc_96: 0.4882
 Epoch 426/500
 267/267 [=====] - 1s 3ms/step - loss: 21.9237 - auc_96:
 0.5024 - val_loss: 20.9480 - val_auc_96: 0.5060
 Epoch 427/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6058 - auc_96:
 0.5024 - val_loss: 14.2872 - val_auc_96: 0.4886
 Epoch 428/500
 267/267 [=====] - 1s 3ms/step - loss: 20.9117 - auc_96:
 0.5015 - val_loss: 15.4288 - val_auc_96: 0.5012
 Epoch 429/500
 267/267 [=====] - 1s 3ms/step - loss: 21.9204 - auc_96:
 0.5017 - val_loss: 31.4202 - val_auc_96: 0.4965
 Epoch 430/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7718 - auc_96:
 0.5012 - val_loss: 34.4239 - val_auc_96: 0.5028
 Epoch 431/500
 267/267 [=====] - 1s 3ms/step - loss: 23.7060 - auc_96:
 0.5057 - val_loss: 13.8534 - val_auc_96: 0.4970
 Epoch 432/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2114 - auc_96:
 0.5021 - val_loss: 26.9130 - val_auc_96: 0.5112
 Epoch 433/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2048 - auc_96:
 0.5031 - val_loss: 22.9048 - val_auc_96: 0.4915
 Epoch 434/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3028 - auc_96:
 0.5088 - val_loss: 9.1961 - val_auc_96: 0.4984
 Epoch 435/500

267/267 [=====] - 1s 3ms/step - loss: 18.8034 - auc_96:
 0.5013 - val_loss: 17.7211 - val_auc_96: 0.5069
 Epoch 436/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6611 - auc_96:
 0.5049 - val_loss: 31.9106 - val_auc_96: 0.5089
 Epoch 437/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0307 - auc_96:
 0.5035 - val_loss: 21.7321 - val_auc_96: 0.5029
 Epoch 438/500
 267/267 [=====] - 1s 3ms/step - loss: 29.5297 - auc_96:
 0.5010 - val_loss: 9.6339 - val_auc_96: 0.4961
 Epoch 439/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3791 - auc_96:
 0.5048 - val_loss: 19.6481 - val_auc_96: 0.5074
 Epoch 440/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2059 - auc_96:
 0.4993 - val_loss: 20.1043 - val_auc_96: 0.5055
 Epoch 441/500
 267/267 [=====] - 1s 3ms/step - loss: 15.8159 - auc_96:
 0.5032 - val_loss: 18.1149 - val_auc_96: 0.5036
 Epoch 442/500
 267/267 [=====] - 1s 3ms/step - loss: 22.7804 - auc_96:
 0.5049 - val_loss: 6.3306 - val_auc_96: 0.4987
 Epoch 443/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4968 - auc_96:
 0.5012 - val_loss: 19.6150 - val_auc_96: 0.5008
 Epoch 444/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2510 - auc_96:
 0.5029 - val_loss: 10.7594 - val_auc_96: 0.5130
 Epoch 445/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4453 - auc_96:
 0.5037 - val_loss: 17.0883 - val_auc_96: 0.5074
 Epoch 446/500
 267/267 [=====] - 1s 3ms/step - loss: 24.0564 - auc_96:
 0.5033 - val_loss: 15.5620 - val_auc_96: 0.4930
 Epoch 447/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2607 - auc_96:
 0.5005 - val_loss: 33.1658 - val_auc_96: 0.5025
 Epoch 448/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6673 - auc_96:
 0.5013 - val_loss: 19.1751 - val_auc_96: 0.5085
 Epoch 449/500
 267/267 [=====] - 1s 3ms/step - loss: 22.8520 - auc_96:
 0.5011 - val_loss: 4.2556 - val_auc_96: 0.5005
 Epoch 450/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0013 - auc_96:
 0.5046 - val_loss: 25.4883 - val_auc_96: 0.4967
 Epoch 451/500

267/267 [=====] - 1s 3ms/step - loss: 21.7928 - auc_96:
 0.5036 - val_loss: 41.7186 - val_auc_96: 0.5032
 Epoch 452/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0084 - auc_96:
 0.5056 - val_loss: 16.9122 - val_auc_96: 0.4939
 Epoch 453/500
 267/267 [=====] - 1s 3ms/step - loss: 15.5509 - auc_96:
 0.5053 - val_loss: 5.5708 - val_auc_96: 0.5099
 Epoch 454/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7500 - auc_96:
 0.5043 - val_loss: 16.0854 - val_auc_96: 0.5094
 Epoch 455/500
 267/267 [=====] - 1s 3ms/step - loss: 22.9763 - auc_96:
 0.5011 - val_loss: 27.1262 - val_auc_96: 0.4961
 Epoch 456/500
 267/267 [=====] - 1s 3ms/step - loss: 22.5324 - auc_96:
 0.5006 - val_loss: 14.9910 - val_auc_96: 0.4976
 Epoch 457/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4635 - auc_96:
 0.5057 - val_loss: 12.6998 - val_auc_96: 0.4995
 Epoch 458/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5737 - auc_96:
 0.4999 - val_loss: 28.9563 - val_auc_96: 0.5048
 Epoch 459/500
 267/267 [=====] - 1s 3ms/step - loss: 22.3682 - auc_96:
 0.5010 - val_loss: 22.0673 - val_auc_96: 0.4996
 Epoch 460/500
 267/267 [=====] - 1s 3ms/step - loss: 23.9294 - auc_96:
 0.5012 - val_loss: 10.9310 - val_auc_96: 0.4991
 Epoch 461/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0074 - auc_96:
 0.5021 - val_loss: 31.4668 - val_auc_96: 0.4902
 Epoch 462/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0194 - auc_96:
 0.5009 - val_loss: 9.0594 - val_auc_96: 0.5107
 Epoch 463/500
 267/267 [=====] - 1s 3ms/step - loss: 21.8483 - auc_96:
 0.4972 - val_loss: 16.0038 - val_auc_96: 0.5103
 Epoch 464/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4905 - auc_96:
 0.5022 - val_loss: 14.2825 - val_auc_96: 0.4945
 Epoch 465/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4927 - auc_96:
 0.5036 - val_loss: 8.3850 - val_auc_96: 0.4934
 Epoch 466/500
 267/267 [=====] - 1s 3ms/step - loss: 16.1012 - auc_96:
 0.5004 - val_loss: 14.9912 - val_auc_96: 0.5049
 Epoch 467/500

267/267 [=====] - 1s 3ms/step - loss: 20.7937 - auc_96:
 0.5025 - val_loss: 14.1899 - val_auc_96: 0.4931
 Epoch 468/500
 267/267 [=====] - 1s 3ms/step - loss: 23.4749 - auc_96:
 0.5044 - val_loss: 10.9284 - val_auc_96: 0.4878
 Epoch 469/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0357 - auc_96:
 0.5033 - val_loss: 15.5733 - val_auc_96: 0.4938
 Epoch 470/500
 267/267 [=====] - 1s 3ms/step - loss: 22.5587 - auc_96:
 0.5046 - val_loss: 7.6932 - val_auc_96: 0.4983
 Epoch 471/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4659 - auc_96:
 0.4987 - val_loss: 11.3471 - val_auc_96: 0.4907
 Epoch 472/500
 267/267 [=====] - 1s 3ms/step - loss: 16.2780 - auc_96:
 0.5053 - val_loss: 17.8503 - val_auc_96: 0.5131
 Epoch 473/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0295 - auc_96:
 0.5016 - val_loss: 16.2543 - val_auc_96: 0.5042
 Epoch 474/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0797 - auc_96:
 0.4987 - val_loss: 16.3508 - val_auc_96: 0.5007
 Epoch 475/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0501 - auc_96:
 0.5025 - val_loss: 8.1603 - val_auc_96: 0.4978
 Epoch 476/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1519 - auc_96:
 0.5029 - val_loss: 28.9247 - val_auc_96: 0.5037
 Epoch 477/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4844 - auc_96:
 0.5039 - val_loss: 24.1453 - val_auc_96: 0.5014
 Epoch 478/500
 267/267 [=====] - 1s 3ms/step - loss: 21.7743 - auc_96:
 0.4994 - val_loss: 35.5215 - val_auc_96: 0.5099
 Epoch 479/500
 267/267 [=====] - 1s 3ms/step - loss: 24.4646 - auc_96:
 0.5038 - val_loss: 42.8276 - val_auc_96: 0.5084
 Epoch 480/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2440 - auc_96:
 0.5060 - val_loss: 25.6809 - val_auc_96: 0.5078
 Epoch 481/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1311 - auc_96:
 0.5014 - val_loss: 17.0217 - val_auc_96: 0.5056
 Epoch 482/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1839 - auc_96:
 0.5009 - val_loss: 18.2008 - val_auc_96: 0.4966
 Epoch 483/500

267/267 [=====] - 1s 3ms/step - loss: 19.6039 - auc_96:
 0.5027 - val_loss: 33.7285 - val_auc_96: 0.4952
 Epoch 484/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1787 - auc_96:
 0.5049 - val_loss: 12.3977 - val_auc_96: 0.4933
 Epoch 485/500
 267/267 [=====] - 1s 3ms/step - loss: 22.8317 - auc_96:
 0.5045 - val_loss: 14.6390 - val_auc_96: 0.4983
 Epoch 486/500
 267/267 [=====] - 1s 3ms/step - loss: 22.6944 - auc_96:
 0.5028 - val_loss: 14.8748 - val_auc_96: 0.4931
 Epoch 487/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7329 - auc_96:
 0.5031 - val_loss: 11.0857 - val_auc_96: 0.5068
 Epoch 488/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7290 - auc_96:
 0.5035 - val_loss: 27.0509 - val_auc_96: 0.4905
 Epoch 489/500
 267/267 [=====] - 1s 3ms/step - loss: 17.0010 - auc_96:
 0.5023 - val_loss: 16.5113 - val_auc_96: 0.5006
 Epoch 490/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8481 - auc_96:
 0.5026 - val_loss: 22.1540 - val_auc_96: 0.5035
 Epoch 491/500
 267/267 [=====] - 1s 3ms/step - loss: 15.8670 - auc_96:
 0.5044 - val_loss: 23.0059 - val_auc_96: 0.4994
 Epoch 492/500
 267/267 [=====] - 1s 3ms/step - loss: 23.4916 - auc_96:
 0.5025 - val_loss: 32.0055 - val_auc_96: 0.4952
 Epoch 493/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1173 - auc_96:
 0.4981 - val_loss: 16.9077 - val_auc_96: 0.5001
 Epoch 494/500
 267/267 [=====] - 1s 3ms/step - loss: 16.7240 - auc_96:
 0.5043 - val_loss: 12.1354 - val_auc_96: 0.4932
 Epoch 495/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4357 - auc_96:
 0.5015 - val_loss: 13.4125 - val_auc_96: 0.5100
 Epoch 496/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5591 - auc_96:
 0.5055 - val_loss: 11.6210 - val_auc_96: 0.5050
 Epoch 497/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3462 - auc_96:
 0.5025 - val_loss: 15.1012 - val_auc_96: 0.5060
 Epoch 498/500
 267/267 [=====] - 1s 3ms/step - loss: 21.4006 - auc_96:
 0.5043 - val_loss: 20.0796 - val_auc_96: 0.4918
 Epoch 499/500

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267/267 [=====] - 1s 3ms/step - loss: 17.8344 - auc_96:
0.4982 - val_loss: 11.1981 - val_auc_96: 0.5006
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 17.0687 - auc_96:
0.5013 - val_loss: 8.5772 - val_auc_96: 0.5055
625/625 [=====] - 0s 549us/step
[CV] ... epochs=500, learning_rate=0.1, score=0.512, total= 6.5min
[CV] epochs=500, learning_rate=0.1 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 20.0647 - auc_97:
0.5049 - val_loss: 18.6058 - val_auc_97: 0.5099
Epoch 2/500
267/267 [=====] - 1s 3ms/step - loss: 17.9975 - auc_97:
0.5046 - val_loss: 11.8035 - val_auc_97: 0.4874
Epoch 3/500
267/267 [=====] - 1s 3ms/step - loss: 19.1310 - auc_97:
0.4983 - val_loss: 11.6987 - val_auc_97: 0.4998
Epoch 4/500
267/267 [=====] - 1s 3ms/step - loss: 17.8395 - auc_97:
0.4999 - val_loss: 18.7360 - val_auc_97: 0.5036
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 19.4359 - auc_97:
0.4996 - val_loss: 12.7537 - val_auc_97: 0.5128
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 17.6758 - auc_97:
0.5043 - val_loss: 14.4619 - val_auc_97: 0.5150
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 20.8312 - auc_97:
0.5041 - val_loss: 29.7076 - val_auc_97: 0.4852
Epoch 8/500
267/267 [=====] - 1s 3ms/step - loss: 21.9878 - auc_97:
0.5005 - val_loss: 12.0978 - val_auc_97: 0.4990
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 17.5532 - auc_97:
0.5040 - val_loss: 8.9957 - val_auc_97: 0.5007
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 18.2725 - auc_97:
0.4987 - val_loss: 10.2319 - val_auc_97: 0.5126
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 21.8061 - auc_97:
0.5000 - val_loss: 15.6453 - val_auc_97: 0.4891
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 20.6594 - auc_97:
0.5027 - val_loss: 39.3980 - val_auc_97: 0.5094
Epoch 13/500
267/267 [=====] - 1s 3ms/step - loss: 20.2519 - auc_97:
0.5047 - val_loss: 16.2374 - val_auc_97: 0.5077
Epoch 14/500

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267/267 [=====] - 1s 3ms/step - loss: 16.6694 - auc_97:
0.4991 - val_loss: 11.9360 - val_auc_97: 0.5083
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 21.0194 - auc_97:
0.5011 - val_loss: 33.6603 - val_auc_97: 0.5066
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 18.0667 - auc_97:
0.5055 - val_loss: 16.8244 - val_auc_97: 0.4938
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 21.7999 - auc_97:
0.5007 - val_loss: 39.8425 - val_auc_97: 0.5111
Epoch 18/500
267/267 [=====] - 1s 3ms/step - loss: 20.0235 - auc_97:
0.5024 - val_loss: 11.8134 - val_auc_97: 0.4938
Epoch 19/500
267/267 [=====] - 1s 3ms/step - loss: 19.7449 - auc_97:
0.5026 - val_loss: 5.9055 - val_auc_97: 0.5025
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 22.4722 - auc_97:
0.5014 - val_loss: 21.3499 - val_auc_97: 0.4997
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 19.5052 - auc_97:
0.5062 - val_loss: 29.9240 - val_auc_97: 0.5098
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 20.5138 - auc_97:
0.5055 - val_loss: 10.0089 - val_auc_97: 0.5125
Epoch 23/500
267/267 [=====] - 1s 3ms/step - loss: 19.0385 - auc_97:
0.5025 - val_loss: 22.4179 - val_auc_97: 0.4999
Epoch 24/500
267/267 [=====] - 1s 3ms/step - loss: 19.6559 - auc_97:
0.5048 - val_loss: 19.8119 - val_auc_97: 0.5083
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 17.3884 - auc_97:
0.5055 - val_loss: 22.2650 - val_auc_97: 0.5069
Epoch 26/500
267/267 [=====] - 1s 3ms/step - loss: 20.1929 - auc_97:
0.5013 - val_loss: 12.8714 - val_auc_97: 0.5001
Epoch 27/500
267/267 [=====] - 1s 3ms/step - loss: 18.6274 - auc_97:
0.5048 - val_loss: 20.9408 - val_auc_97: 0.5063
Epoch 28/500
267/267 [=====] - 1s 3ms/step - loss: 20.9498 - auc_97:
0.5029 - val_loss: 34.6965 - val_auc_97: 0.4980
Epoch 29/500
267/267 [=====] - 1s 3ms/step - loss: 20.8100 - auc_97:
0.5008 - val_loss: 21.1822 - val_auc_97: 0.5032
Epoch 30/500

267/267 [=====] - 1s 3ms/step - loss: 19.6993 - auc_97:
0.5046 - val_loss: 8.5352 - val_auc_97: 0.5033
Epoch 31/500
267/267 [=====] - 1s 3ms/step - loss: 22.6679 - auc_97:
0.5028 - val_loss: 18.4497 - val_auc_97: 0.4887
Epoch 32/500
267/267 [=====] - 1s 3ms/step - loss: 21.8219 - auc_97:
0.5011 - val_loss: 43.9698 - val_auc_97: 0.5114
Epoch 33/500
267/267 [=====] - 1s 3ms/step - loss: 22.2805 - auc_97:
0.5024 - val_loss: 18.7727 - val_auc_97: 0.5121
Epoch 34/500
267/267 [=====] - 1s 3ms/step - loss: 23.0317 - auc_97:
0.5020 - val_loss: 23.6148 - val_auc_97: 0.4951
Epoch 35/500
267/267 [=====] - 1s 3ms/step - loss: 18.6779 - auc_97:
0.5050 - val_loss: 10.4585 - val_auc_97: 0.5122
Epoch 36/500
267/267 [=====] - 1s 3ms/step - loss: 20.2337 - auc_97:
0.5046 - val_loss: 16.3452 - val_auc_97: 0.4947
Epoch 37/500
267/267 [=====] - 1s 3ms/step - loss: 24.5506 - auc_97:
0.4986 - val_loss: 17.5535 - val_auc_97: 0.5071
Epoch 38/500
267/267 [=====] - 1s 3ms/step - loss: 20.3137 - auc_97:
0.5039 - val_loss: 31.9696 - val_auc_97: 0.5043
Epoch 39/500
267/267 [=====] - 1s 3ms/step - loss: 18.2587 - auc_97:
0.5074 - val_loss: 17.8748 - val_auc_97: 0.4962
Epoch 40/500
267/267 [=====] - 1s 3ms/step - loss: 21.0875 - auc_97:
0.5014 - val_loss: 14.1886 - val_auc_97: 0.5159
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 19.7549 - auc_97:
0.5035 - val_loss: 28.3265 - val_auc_97: 0.4877
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 18.2502 - auc_97:
0.5075 - val_loss: 24.2050 - val_auc_97: 0.5053
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 22.4476 - auc_97:
0.5039 - val_loss: 33.0420 - val_auc_97: 0.4998
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 18.5503 - auc_97:
0.5010 - val_loss: 14.6874 - val_auc_97: 0.5172
Epoch 45/500
267/267 [=====] - 1s 3ms/step - loss: 20.5809 - auc_97:
0.5014 - val_loss: 8.4006 - val_auc_97: 0.4868
Epoch 46/500

267/267 [=====] - 1s 3ms/step - loss: 17.9995 - auc_97:
0.5062 - val_loss: 13.2569 - val_auc_97: 0.4846
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 20.1908 - auc_97:
0.5042 - val_loss: 22.4298 - val_auc_97: 0.4955
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 20.2503 - auc_97:
0.5004 - val_loss: 13.6378 - val_auc_97: 0.5084
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 21.4748 - auc_97:
0.5045 - val_loss: 18.2595 - val_auc_97: 0.5137
Epoch 50/500
267/267 [=====] - 1s 3ms/step - loss: 22.5713 - auc_97:
0.5034 - val_loss: 12.2190 - val_auc_97: 0.4956
Epoch 51/500
267/267 [=====] - 1s 3ms/step - loss: 19.6778 - auc_97:
0.5019 - val_loss: 5.2494 - val_auc_97: 0.4920
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 19.3141 - auc_97:
0.5013 - val_loss: 35.8674 - val_auc_97: 0.4995
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 26.0756 - auc_97:
0.5047 - val_loss: 33.0532 - val_auc_97: 0.4990
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 19.2585 - auc_97:
0.4988 - val_loss: 31.9651 - val_auc_97: 0.5157
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 19.8804 - auc_97:
0.4994 - val_loss: 28.4097 - val_auc_97: 0.4998
Epoch 56/500
267/267 [=====] - 1s 3ms/step - loss: 19.3734 - auc_97:
0.5041 - val_loss: 30.4997 - val_auc_97: 0.5085
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 19.2383 - auc_97:
0.5005 - val_loss: 32.6296 - val_auc_97: 0.4977
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 21.4049 - auc_97:
0.5009 - val_loss: 11.1537 - val_auc_97: 0.4942
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 20.1915 - auc_97:
0.5039 - val_loss: 14.3055 - val_auc_97: 0.4883
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 19.5061 - auc_97:
0.5001 - val_loss: 24.0026 - val_auc_97: 0.4976
Epoch 61/500
267/267 [=====] - 1s 3ms/step - loss: 18.4128 - auc_97:
0.5082 - val_loss: 14.0150 - val_auc_97: 0.5091
Epoch 62/500

267/267 [=====] - 1s 3ms/step - loss: 16.5567 - auc_97:
0.5031 - val_loss: 8.2332 - val_auc_97: 0.5113
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 21.0086 - auc_97:
0.5012 - val_loss: 20.5858 - val_auc_97: 0.5017
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 21.9834 - auc_97:
0.5045 - val_loss: 13.6063 - val_auc_97: 0.4882
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 20.0129 - auc_97:
0.5040 - val_loss: 15.8836 - val_auc_97: 0.5034
Epoch 66/500
267/267 [=====] - 1s 3ms/step - loss: 17.9665 - auc_97:
0.5012 - val_loss: 21.8900 - val_auc_97: 0.4959
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 20.4730 - auc_97:
0.5020 - val_loss: 19.7500 - val_auc_97: 0.4932
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 19.0419 - auc_97:
0.5024 - val_loss: 19.0450 - val_auc_97: 0.5001
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 19.0589 - auc_97:
0.5017 - val_loss: 14.8059 - val_auc_97: 0.5094
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 21.9697 - auc_97:
0.5045 - val_loss: 18.4574 - val_auc_97: 0.5003
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 22.0494 - auc_97:
0.5045 - val_loss: 18.6761 - val_auc_97: 0.4890
Epoch 72/500
267/267 [=====] - 1s 3ms/step - loss: 19.7769 - auc_97:
0.5013 - val_loss: 23.4048 - val_auc_97: 0.5050
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 19.2395 - auc_97:
0.5048 - val_loss: 27.7696 - val_auc_97: 0.4960
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 20.5905 - auc_97:
0.5040 - val_loss: 4.8452 - val_auc_97: 0.4937
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 15.8282 - auc_97:
0.5020 - val_loss: 18.5014 - val_auc_97: 0.5006
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 20.4846 - auc_97:
0.5021 - val_loss: 42.1461 - val_auc_97: 0.4983
Epoch 77/500
267/267 [=====] - 1s 3ms/step - loss: 18.4066 - auc_97:
0.5028 - val_loss: 21.6668 - val_auc_97: 0.5054
Epoch 78/500

267/267 [=====] - 1s 3ms/step - loss: 15.8259 - auc_97:
0.5037 - val_loss: 18.8695 - val_auc_97: 0.5047
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 17.7258 - auc_97:
0.5028 - val_loss: 34.0525 - val_auc_97: 0.5056
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 18.4470 - auc_97:
0.5035 - val_loss: 27.7813 - val_auc_97: 0.4923
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 18.1686 - auc_97:
0.5028 - val_loss: 18.8281 - val_auc_97: 0.4963
Epoch 82/500
267/267 [=====] - 1s 3ms/step - loss: 24.1487 - auc_97:
0.4995 - val_loss: 26.7147 - val_auc_97: 0.5086
Epoch 83/500
267/267 [=====] - 1s 3ms/step - loss: 21.5729 - auc_97:
0.4989 - val_loss: 23.4819 - val_auc_97: 0.5094
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 14.6631 - auc_97:
0.5045 - val_loss: 16.0366 - val_auc_97: 0.5139
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 22.5797 - auc_97:
0.5045 - val_loss: 21.4351 - val_auc_97: 0.5158
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 18.5278 - auc_97:
0.5054 - val_loss: 31.3367 - val_auc_97: 0.5009
Epoch 87/500
267/267 [=====] - 1s 3ms/step - loss: 20.1158 - auc_97:
0.5033 - val_loss: 24.2843 - val_auc_97: 0.4967
Epoch 88/500
267/267 [=====] - 1s 3ms/step - loss: 18.7492 - auc_97:
0.5023 - val_loss: 37.7145 - val_auc_97: 0.5017
Epoch 89/500
267/267 [=====] - 1s 3ms/step - loss: 21.3300 - auc_97:
0.5030 - val_loss: 13.8571 - val_auc_97: 0.5085
Epoch 90/500
267/267 [=====] - 1s 3ms/step - loss: 19.1402 - auc_97:
0.4992 - val_loss: 11.9901 - val_auc_97: 0.5084
Epoch 91/500
267/267 [=====] - 1s 3ms/step - loss: 19.3470 - auc_97:
0.5034 - val_loss: 20.4527 - val_auc_97: 0.5087
Epoch 92/500
267/267 [=====] - 1s 3ms/step - loss: 18.9925 - auc_97:
0.4995 - val_loss: 24.1196 - val_auc_97: 0.5142
Epoch 93/500
267/267 [=====] - 1s 3ms/step - loss: 17.5271 - auc_97:
0.5020 - val_loss: 8.8804 - val_auc_97: 0.5043
Epoch 94/500

267/267 [=====] - 1s 3ms/step - loss: 17.6569 - auc_97:
0.5060 - val_loss: 9.5813 - val_auc_97: 0.4953
Epoch 95/500
267/267 [=====] - 1s 3ms/step - loss: 18.3239 - auc_97:
0.5030 - val_loss: 21.3766 - val_auc_97: 0.4903
Epoch 96/500
267/267 [=====] - 1s 3ms/step - loss: 19.3740 - auc_97:
0.5017 - val_loss: 14.7308 - val_auc_97: 0.5017
Epoch 97/500
267/267 [=====] - 1s 3ms/step - loss: 23.8993 - auc_97:
0.5056 - val_loss: 21.2880 - val_auc_97: 0.5154
Epoch 98/500
267/267 [=====] - 1s 3ms/step - loss: 17.3556 - auc_97:
0.5009 - val_loss: 13.1698 - val_auc_97: 0.5026
Epoch 99/500
267/267 [=====] - 1s 3ms/step - loss: 18.1709 - auc_97:
0.5042 - val_loss: 22.1280 - val_auc_97: 0.4969
Epoch 100/500
267/267 [=====] - 1s 3ms/step - loss: 23.3337 - auc_97:
0.5051 - val_loss: 16.7794 - val_auc_97: 0.5171
Epoch 101/500
267/267 [=====] - 1s 3ms/step - loss: 22.7072 - auc_97:
0.5038 - val_loss: 16.8519 - val_auc_97: 0.4995
Epoch 102/500
267/267 [=====] - 1s 3ms/step - loss: 19.7169 - auc_97:
0.5059 - val_loss: 20.7776 - val_auc_97: 0.4917
Epoch 103/500
267/267 [=====] - 1s 3ms/step - loss: 17.6801 - auc_97:
0.4992 - val_loss: 31.0390 - val_auc_97: 0.4930
Epoch 104/500
267/267 [=====] - 1s 3ms/step - loss: 18.8796 - auc_97:
0.5025 - val_loss: 15.9635 - val_auc_97: 0.5034
Epoch 105/500
267/267 [=====] - 1s 3ms/step - loss: 22.3752 - auc_97:
0.5055 - val_loss: 11.5966 - val_auc_97: 0.5061
Epoch 106/500
267/267 [=====] - 1s 3ms/step - loss: 19.9857 - auc_97:
0.5002 - val_loss: 11.3354 - val_auc_97: 0.5033
Epoch 107/500
267/267 [=====] - 1s 3ms/step - loss: 19.0808 - auc_97:
0.5056 - val_loss: 17.8369 - val_auc_97: 0.4879
Epoch 108/500
267/267 [=====] - 1s 3ms/step - loss: 21.6337 - auc_97:
0.5009 - val_loss: 35.1112 - val_auc_97: 0.4959
Epoch 109/500
267/267 [=====] - 1s 3ms/step - loss: 19.9355 - auc_97:
0.5026 - val_loss: 48.2119 - val_auc_97: 0.4982
Epoch 110/500

267/267 [=====] - 1s 3ms/step - loss: 20.5885 - auc_97:
 0.5034 - val_loss: 17.8443 - val_auc_97: 0.5025
 Epoch 111/500
 267/267 [=====] - 1s 3ms/step - loss: 17.2902 - auc_97:
 0.5036 - val_loss: 30.4848 - val_auc_97: 0.5085
 Epoch 112/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8138 - auc_97:
 0.5040 - val_loss: 20.4213 - val_auc_97: 0.4978
 Epoch 113/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5044 - auc_97:
 0.5020 - val_loss: 12.9209 - val_auc_97: 0.5167
 Epoch 114/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1924 - auc_97:
 0.5039 - val_loss: 11.8320 - val_auc_97: 0.4964
 Epoch 115/500
 267/267 [=====] - 1s 3ms/step - loss: 22.4762 - auc_97:
 0.5006 - val_loss: 15.4563 - val_auc_97: 0.4938
 Epoch 116/500
 267/267 [=====] - 1s 3ms/step - loss: 23.0574 - auc_97:
 0.5015 - val_loss: 33.3648 - val_auc_97: 0.4970
 Epoch 117/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0409 - auc_97:
 0.5042 - val_loss: 15.1780 - val_auc_97: 0.5032
 Epoch 118/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4127 - auc_97:
 0.5001 - val_loss: 25.4755 - val_auc_97: 0.4910
 Epoch 119/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8892 - auc_97:
 0.5070 - val_loss: 22.7449 - val_auc_97: 0.5068
 Epoch 120/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1655 - auc_97:
 0.5012 - val_loss: 35.7577 - val_auc_97: 0.5001
 Epoch 121/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8849 - auc_97:
 0.5041 - val_loss: 27.3193 - val_auc_97: 0.4918
 Epoch 122/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0891 - auc_97:
 0.5039 - val_loss: 24.2323 - val_auc_97: 0.5016
 Epoch 123/500
 267/267 [=====] - 1s 3ms/step - loss: 22.3615 - auc_97:
 0.5039 - val_loss: 30.8607 - val_auc_97: 0.5123
 Epoch 124/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8477 - auc_97:
 0.5019 - val_loss: 25.9632 - val_auc_97: 0.5038
 Epoch 125/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1798 - auc_97:
 0.5021 - val_loss: 7.1023 - val_auc_97: 0.4958
 Epoch 126/500

267/267 [=====] - 1s 3ms/step - loss: 21.2745 - auc_97:
0.5015 - val_loss: 28.5844 - val_auc_97: 0.4927
Epoch 127/500
267/267 [=====] - 1s 3ms/step - loss: 22.1420 - auc_97:
0.5005 - val_loss: 39.5046 - val_auc_97: 0.5079
Epoch 128/500
267/267 [=====] - 1s 3ms/step - loss: 21.5637 - auc_97:
0.5017 - val_loss: 11.2094 - val_auc_97: 0.4991
Epoch 129/500
267/267 [=====] - 1s 3ms/step - loss: 22.7779 - auc_97:
0.5037 - val_loss: 12.5341 - val_auc_97: 0.4893
Epoch 130/500
267/267 [=====] - 1s 3ms/step - loss: 19.8205 - auc_97:
0.5028 - val_loss: 23.9812 - val_auc_97: 0.4946
Epoch 131/500
267/267 [=====] - 1s 3ms/step - loss: 16.2605 - auc_97:
0.5029 - val_loss: 13.7722 - val_auc_97: 0.4994
Epoch 132/500
267/267 [=====] - 1s 3ms/step - loss: 19.4856 - auc_97:
0.5023 - val_loss: 17.2899 - val_auc_97: 0.5048
Epoch 133/500
267/267 [=====] - 1s 3ms/step - loss: 21.5550 - auc_97:
0.5055 - val_loss: 19.5064 - val_auc_97: 0.5119
Epoch 134/500
267/267 [=====] - 1s 3ms/step - loss: 20.1563 - auc_97:
0.5038 - val_loss: 6.0505 - val_auc_97: 0.5052
Epoch 135/500
267/267 [=====] - 1s 3ms/step - loss: 18.8030 - auc_97:
0.5073 - val_loss: 13.7471 - val_auc_97: 0.5057
Epoch 136/500
267/267 [=====] - 1s 3ms/step - loss: 23.4727 - auc_97:
0.4994 - val_loss: 14.1742 - val_auc_97: 0.5054
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 24.1470 - auc_97:
0.5054 - val_loss: 11.6263 - val_auc_97: 0.5048
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 22.4158 - auc_97:
0.5061 - val_loss: 29.6462 - val_auc_97: 0.4961
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 20.4133 - auc_97:
0.5013 - val_loss: 24.1564 - val_auc_97: 0.5045
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 21.1904 - auc_97:
0.5000 - val_loss: 5.6159 - val_auc_97: 0.4982
Epoch 141/500
267/267 [=====] - 1s 3ms/step - loss: 17.9207 - auc_97:
0.5017 - val_loss: 5.0863 - val_auc_97: 0.4972
Epoch 142/500

267/267 [=====] - 1s 3ms/step - loss: 19.2919 - auc_97:
 0.5022 - val_loss: 21.0072 - val_auc_97: 0.5035
 Epoch 143/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0612 - auc_97:
 0.5070 - val_loss: 21.4085 - val_auc_97: 0.5060
 Epoch 144/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0584 - auc_97:
 0.5065 - val_loss: 29.1743 - val_auc_97: 0.4982
 Epoch 145/500
 267/267 [=====] - 1s 3ms/step - loss: 22.3942 - auc_97:
 0.5010 - val_loss: 9.8741 - val_auc_97: 0.5082
 Epoch 146/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4316 - auc_97:
 0.5042 - val_loss: 20.8196 - val_auc_97: 0.4954
 Epoch 147/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9505 - auc_97:
 0.5044 - val_loss: 18.4418 - val_auc_97: 0.5122
 Epoch 148/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3670 - auc_97:
 0.5039 - val_loss: 10.2584 - val_auc_97: 0.4985
 Epoch 149/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3152 - auc_97:
 0.5024 - val_loss: 15.4483 - val_auc_97: 0.5054
 Epoch 150/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9887 - auc_97:
 0.5035 - val_loss: 10.5227 - val_auc_97: 0.4952
 Epoch 151/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9330 - auc_97:
 0.5065 - val_loss: 22.2662 - val_auc_97: 0.4993
 Epoch 152/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1662 - auc_97:
 0.5044 - val_loss: 14.1723 - val_auc_97: 0.4923
 Epoch 153/500
 267/267 [=====] - 1s 3ms/step - loss: 22.5834 - auc_97:
 0.5030 - val_loss: 16.6084 - val_auc_97: 0.4936
 Epoch 154/500
 267/267 [=====] - 1s 3ms/step - loss: 23.1301 - auc_97:
 0.5048 - val_loss: 48.4035 - val_auc_97: 0.4935
 Epoch 155/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0105 - auc_97:
 0.5032 - val_loss: 16.4979 - val_auc_97: 0.4975
 Epoch 156/500
 267/267 [=====] - 1s 3ms/step - loss: 21.7334 - auc_97:
 0.5062 - val_loss: 26.5323 - val_auc_97: 0.5077
 Epoch 157/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5025 - auc_97:
 0.5054 - val_loss: 17.4728 - val_auc_97: 0.5124
 Epoch 158/500

267/267 [=====] - 1s 3ms/step - loss: 19.3245 - auc_97:
0.5022 - val_loss: 15.2357 - val_auc_97: 0.5036
Epoch 159/500
267/267 [=====] - 1s 3ms/step - loss: 18.6948 - auc_97:
0.5039 - val_loss: 31.9440 - val_auc_97: 0.4926
Epoch 160/500
267/267 [=====] - 1s 3ms/step - loss: 16.8851 - auc_97:
0.5007 - val_loss: 14.1127 - val_auc_97: 0.4996
Epoch 161/500
267/267 [=====] - 1s 3ms/step - loss: 18.0346 - auc_97:
0.5013 - val_loss: 12.8680 - val_auc_97: 0.5132
Epoch 162/500
267/267 [=====] - 1s 3ms/step - loss: 17.9618 - auc_97:
0.5012 - val_loss: 21.3810 - val_auc_97: 0.4905
Epoch 163/500
267/267 [=====] - 1s 3ms/step - loss: 22.1853 - auc_97:
0.5054 - val_loss: 38.0881 - val_auc_97: 0.5052
Epoch 164/500
267/267 [=====] - 1s 3ms/step - loss: 19.1307 - auc_97:
0.5045 - val_loss: 23.5997 - val_auc_97: 0.4993
Epoch 165/500
267/267 [=====] - 1s 3ms/step - loss: 21.2043 - auc_97:
0.5040 - val_loss: 26.8503 - val_auc_97: 0.5096
Epoch 166/500
267/267 [=====] - 1s 3ms/step - loss: 19.2147 - auc_97:
0.5035 - val_loss: 7.7831 - val_auc_97: 0.4907
Epoch 167/500
267/267 [=====] - 1s 3ms/step - loss: 20.2173 - auc_97:
0.5024 - val_loss: 3.8018 - val_auc_97: 0.5069
Epoch 168/500
267/267 [=====] - 1s 3ms/step - loss: 20.4579 - auc_97:
0.5033 - val_loss: 34.1719 - val_auc_97: 0.5101
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 17.8106 - auc_97:
0.5058 - val_loss: 16.5690 - val_auc_97: 0.4994
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 17.5328 - auc_97:
0.5051 - val_loss: 7.3417 - val_auc_97: 0.4943
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 20.1592 - auc_97:
0.5070 - val_loss: 7.3847 - val_auc_97: 0.4973
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 18.1570 - auc_97:
0.5018 - val_loss: 8.5601 - val_auc_97: 0.4988
Epoch 173/500
267/267 [=====] - 1s 3ms/step - loss: 22.7031 - auc_97:
0.5022 - val_loss: 18.3269 - val_auc_97: 0.4969
Epoch 174/500

267/267 [=====] - 1s 3ms/step - loss: 19.6279 - auc_97:
0.5011 - val_loss: 30.8569 - val_auc_97: 0.4882
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 20.7059 - auc_97:
0.5061 - val_loss: 27.6714 - val_auc_97: 0.5086
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 17.8945 - auc_97:
0.5035 - val_loss: 15.3985 - val_auc_97: 0.4965
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 15.9759 - auc_97:
0.5068 - val_loss: 31.3885 - val_auc_97: 0.5100
Epoch 178/500
267/267 [=====] - 1s 3ms/step - loss: 19.8698 - auc_97:
0.5040 - val_loss: 19.4767 - val_auc_97: 0.4943
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 18.1164 - auc_97:
0.5031 - val_loss: 27.9485 - val_auc_97: 0.4887
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 17.3877 - auc_97:
0.5061 - val_loss: 12.7429 - val_auc_97: 0.4948
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 16.6622 - auc_97:
0.5048 - val_loss: 25.7350 - val_auc_97: 0.5117
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 17.4398 - auc_97:
0.5031 - val_loss: 15.8005 - val_auc_97: 0.4991
Epoch 183/500
267/267 [=====] - 1s 3ms/step - loss: 19.6159 - auc_97:
0.5054 - val_loss: 30.7183 - val_auc_97: 0.5127
Epoch 184/500
267/267 [=====] - 1s 3ms/step - loss: 23.5827 - auc_97:
0.5015 - val_loss: 19.6117 - val_auc_97: 0.4993
Epoch 185/500
267/267 [=====] - 1s 3ms/step - loss: 21.0704 - auc_97:
0.5029 - val_loss: 7.7800 - val_auc_97: 0.5129
Epoch 186/500
267/267 [=====] - 1s 3ms/step - loss: 19.3516 - auc_97:
0.5034 - val_loss: 22.8215 - val_auc_97: 0.5062
Epoch 187/500
267/267 [=====] - 1s 3ms/step - loss: 18.8037 - auc_97:
0.5043 - val_loss: 13.3671 - val_auc_97: 0.4976
Epoch 188/500
267/267 [=====] - 1s 3ms/step - loss: 22.6923 - auc_97:
0.5031 - val_loss: 20.2485 - val_auc_97: 0.5084
Epoch 189/500
267/267 [=====] - 1s 3ms/step - loss: 16.4500 - auc_97:
0.5049 - val_loss: 16.9355 - val_auc_97: 0.5015
Epoch 190/500

267/267 [=====] - 1s 3ms/step - loss: 23.1918 - auc_97:
0.5003 - val_loss: 7.1234 - val_auc_97: 0.5000
Epoch 191/500
267/267 [=====] - 1s 3ms/step - loss: 22.4489 - auc_97:
0.5028 - val_loss: 12.0756 - val_auc_97: 0.4983
Epoch 192/500
267/267 [=====] - 1s 3ms/step - loss: 20.5106 - auc_97:
0.5008 - val_loss: 23.6235 - val_auc_97: 0.5040
Epoch 193/500
267/267 [=====] - 1s 3ms/step - loss: 18.7313 - auc_97:
0.5060 - val_loss: 15.7403 - val_auc_97: 0.5087
Epoch 194/500
267/267 [=====] - 1s 3ms/step - loss: 19.1868 - auc_97:
0.4995 - val_loss: 18.7596 - val_auc_97: 0.5017
Epoch 195/500
267/267 [=====] - 1s 3ms/step - loss: 20.7286 - auc_97:
0.5038 - val_loss: 35.0281 - val_auc_97: 0.5006
Epoch 196/500
267/267 [=====] - 1s 3ms/step - loss: 20.5085 - auc_97:
0.5018 - val_loss: 17.7455 - val_auc_97: 0.4902
Epoch 197/500
267/267 [=====] - 1s 3ms/step - loss: 20.1319 - auc_97:
0.5040 - val_loss: 9.7646 - val_auc_97: 0.5014
Epoch 198/500
267/267 [=====] - 1s 3ms/step - loss: 21.0074 - auc_97:
0.5073 - val_loss: 25.5812 - val_auc_97: 0.5052
Epoch 199/500
267/267 [=====] - 1s 3ms/step - loss: 22.6200 - auc_97:
0.5051 - val_loss: 18.9382 - val_auc_97: 0.4985
Epoch 200/500
267/267 [=====] - 1s 3ms/step - loss: 23.9544 - auc_97:
0.5055 - val_loss: 39.6528 - val_auc_97: 0.4929
Epoch 201/500
267/267 [=====] - 1s 3ms/step - loss: 20.8398 - auc_97:
0.5012 - val_loss: 29.0817 - val_auc_97: 0.4982
Epoch 202/500
267/267 [=====] - 1s 3ms/step - loss: 19.6451 - auc_97:
0.5026 - val_loss: 19.9864 - val_auc_97: 0.5081
Epoch 203/500
267/267 [=====] - 1s 3ms/step - loss: 19.5492 - auc_97:
0.5017 - val_loss: 49.3661 - val_auc_97: 0.4941
Epoch 204/500
267/267 [=====] - 1s 3ms/step - loss: 22.8499 - auc_97:
0.5051 - val_loss: 28.5972 - val_auc_97: 0.5111
Epoch 205/500
267/267 [=====] - 1s 3ms/step - loss: 20.6341 - auc_97:
0.5070 - val_loss: 17.3678 - val_auc_97: 0.5052
Epoch 206/500

267/267 [=====] - 1s 3ms/step - loss: 19.4823 - auc_97:
 0.5007 - val_loss: 26.3397 - val_auc_97: 0.5026
 Epoch 207/500
 267/267 [=====] - 1s 3ms/step - loss: 17.1463 - auc_97:
 0.5064 - val_loss: 39.7200 - val_auc_97: 0.5086
 Epoch 208/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4847 - auc_97:
 0.5037 - val_loss: 13.8746 - val_auc_97: 0.4952
 Epoch 209/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0980 - auc_97:
 0.5003 - val_loss: 13.5302 - val_auc_97: 0.4937
 Epoch 210/500
 267/267 [=====] - 1s 3ms/step - loss: 24.3533 - auc_97:
 0.5056 - val_loss: 25.2589 - val_auc_97: 0.4951
 Epoch 211/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3573 - auc_97:
 0.5072 - val_loss: 15.1850 - val_auc_97: 0.4977
 Epoch 212/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7773 - auc_97:
 0.5037 - val_loss: 17.1453 - val_auc_97: 0.5010
 Epoch 213/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0492 - auc_97:
 0.4991 - val_loss: 20.6476 - val_auc_97: 0.5065
 Epoch 214/500
 267/267 [=====] - 1s 3ms/step - loss: 16.6940 - auc_97:
 0.5049 - val_loss: 17.8513 - val_auc_97: 0.5075
 Epoch 215/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0672 - auc_97:
 0.5014 - val_loss: 9.4107 - val_auc_97: 0.5124
 Epoch 216/500
 267/267 [=====] - 1s 3ms/step - loss: 15.5501 - auc_97:
 0.5044 - val_loss: 17.6336 - val_auc_97: 0.5056
 Epoch 217/500
 267/267 [=====] - 1s 3ms/step - loss: 22.2044 - auc_97:
 0.5008 - val_loss: 30.0038 - val_auc_97: 0.5052
 Epoch 218/500
 267/267 [=====] - 1s 3ms/step - loss: 22.8850 - auc_97:
 0.5032 - val_loss: 25.8182 - val_auc_97: 0.5019
 Epoch 219/500
 267/267 [=====] - 1s 3ms/step - loss: 17.5732 - auc_97:
 0.5019 - val_loss: 12.9703 - val_auc_97: 0.4981
 Epoch 220/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6857 - auc_97:
 0.5036 - val_loss: 17.8122 - val_auc_97: 0.5022
 Epoch 221/500
 267/267 [=====] - 1s 3ms/step - loss: 23.8890 - auc_97:
 0.5028 - val_loss: 12.6575 - val_auc_97: 0.4976
 Epoch 222/500

267/267 [=====] - 1s 3ms/step - loss: 16.5959 - auc_97:
 0.5026 - val_loss: 8.7233 - val_auc_97: 0.5037
 Epoch 223/500
 267/267 [=====] - 1s 3ms/step - loss: 23.5365 - auc_97:
 0.5043 - val_loss: 6.4877 - val_auc_97: 0.5022
 Epoch 224/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2677 - auc_97:
 0.4995 - val_loss: 33.8514 - val_auc_97: 0.4923
 Epoch 225/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7134 - auc_97:
 0.5013 - val_loss: 11.0461 - val_auc_97: 0.5158
 Epoch 226/500
 267/267 [=====] - 1s 3ms/step - loss: 22.3903 - auc_97:
 0.5041 - val_loss: 29.7272 - val_auc_97: 0.5098
 Epoch 227/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1892 - auc_97:
 0.5021 - val_loss: 34.5002 - val_auc_97: 0.4945
 Epoch 228/500
 267/267 [=====] - 1s 3ms/step - loss: 24.4230 - auc_97:
 0.5043 - val_loss: 12.4956 - val_auc_97: 0.5074
 Epoch 229/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1367 - auc_97:
 0.5031 - val_loss: 14.8024 - val_auc_97: 0.4984
 Epoch 230/500
 267/267 [=====] - 1s 3ms/step - loss: 16.5963 - auc_97:
 0.5037 - val_loss: 48.7252 - val_auc_97: 0.5013
 Epoch 231/500
 267/267 [=====] - 1s 3ms/step - loss: 17.0966 - auc_97:
 0.5029 - val_loss: 13.3248 - val_auc_97: 0.5071
 Epoch 232/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2880 - auc_97:
 0.5052 - val_loss: 19.3142 - val_auc_97: 0.5042
 Epoch 233/500
 267/267 [=====] - 1s 3ms/step - loss: 23.5965 - auc_97:
 0.5012 - val_loss: 14.3105 - val_auc_97: 0.5106
 Epoch 234/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0150 - auc_97:
 0.5047 - val_loss: 19.7803 - val_auc_97: 0.5037
 Epoch 235/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4603 - auc_97:
 0.5027 - val_loss: 16.5154 - val_auc_97: 0.4988
 Epoch 236/500
 267/267 [=====] - 1s 3ms/step - loss: 16.7716 - auc_97:
 0.5059 - val_loss: 5.8016 - val_auc_97: 0.5062
 Epoch 237/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8675 - auc_97:
 0.5034 - val_loss: 26.1623 - val_auc_97: 0.4946
 Epoch 238/500

267/267 [=====] - 1s 3ms/step - loss: 17.8100 - auc_97:
 0.5015 - val_loss: 17.2435 - val_auc_97: 0.4983
 Epoch 239/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8384 - auc_97:
 0.5040 - val_loss: 41.8596 - val_auc_97: 0.5108
 Epoch 240/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5133 - auc_97:
 0.5039 - val_loss: 34.5182 - val_auc_97: 0.4984
 Epoch 241/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5687 - auc_97:
 0.5003 - val_loss: 22.1386 - val_auc_97: 0.5138
 Epoch 242/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2013 - auc_97:
 0.5045 - val_loss: 12.2024 - val_auc_97: 0.4884
 Epoch 243/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6857 - auc_97:
 0.5012 - val_loss: 32.1836 - val_auc_97: 0.5059
 Epoch 244/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3022 - auc_97:
 0.5075 - val_loss: 50.8627 - val_auc_97: 0.5038
 Epoch 245/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7470 - auc_97:
 0.5079 - val_loss: 13.0919 - val_auc_97: 0.5070
 Epoch 246/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1556 - auc_97:
 0.5039 - val_loss: 22.1512 - val_auc_97: 0.4980
 Epoch 247/500
 267/267 [=====] - 1s 3ms/step - loss: 16.9791 - auc_97:
 0.5068 - val_loss: 6.0124 - val_auc_97: 0.5118
 Epoch 248/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9567 - auc_97:
 0.5005 - val_loss: 12.7382 - val_auc_97: 0.5041
 Epoch 249/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0455 - auc_97:
 0.5027 - val_loss: 12.9905 - val_auc_97: 0.5008
 Epoch 250/500
 267/267 [=====] - 1s 3ms/step - loss: 16.5179 - auc_97:
 0.5060 - val_loss: 22.5830 - val_auc_97: 0.5005
 Epoch 251/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3895 - auc_97:
 0.5005 - val_loss: 36.2060 - val_auc_97: 0.4927
 Epoch 252/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3298 - auc_97:
 0.5014 - val_loss: 12.1037 - val_auc_97: 0.5115
 Epoch 253/500
 267/267 [=====] - 1s 3ms/step - loss: 15.6975 - auc_97:
 0.5007 - val_loss: 8.6389 - val_auc_97: 0.5073
 Epoch 254/500

267/267 [=====] - 1s 3ms/step - loss: 21.4953 - auc_97:
0.5021 - val_loss: 10.6317 - val_auc_97: 0.5154
Epoch 255/500
267/267 [=====] - 1s 3ms/step - loss: 21.7256 - auc_97:
0.5063 - val_loss: 6.2380 - val_auc_97: 0.5127
Epoch 256/500
267/267 [=====] - 1s 3ms/step - loss: 18.1443 - auc_97:
0.5041 - val_loss: 11.3967 - val_auc_97: 0.5051
Epoch 257/500
267/267 [=====] - 1s 3ms/step - loss: 20.5276 - auc_97:
0.5044 - val_loss: 20.0337 - val_auc_97: 0.5074
Epoch 258/500
267/267 [=====] - 1s 3ms/step - loss: 20.1007 - auc_97:
0.5032 - val_loss: 11.5587 - val_auc_97: 0.4866
Epoch 259/500
267/267 [=====] - 1s 3ms/step - loss: 17.9011 - auc_97:
0.5019 - val_loss: 18.2285 - val_auc_97: 0.5138
Epoch 260/500
267/267 [=====] - 1s 3ms/step - loss: 23.2329 - auc_97:
0.5049 - val_loss: 8.4717 - val_auc_97: 0.5065
Epoch 261/500
267/267 [=====] - 1s 3ms/step - loss: 19.9979 - auc_97:
0.5051 - val_loss: 39.6049 - val_auc_97: 0.5027
Epoch 262/500
267/267 [=====] - 1s 3ms/step - loss: 16.8948 - auc_97:
0.4991 - val_loss: 15.8454 - val_auc_97: 0.5126
Epoch 263/500
267/267 [=====] - 1s 3ms/step - loss: 19.0098 - auc_97:
0.5023 - val_loss: 24.7919 - val_auc_97: 0.5055
Epoch 264/500
267/267 [=====] - 1s 3ms/step - loss: 22.6322 - auc_97:
0.5019 - val_loss: 16.2906 - val_auc_97: 0.5087
Epoch 265/500
267/267 [=====] - 1s 3ms/step - loss: 19.7937 - auc_97:
0.5019 - val_loss: 16.6506 - val_auc_97: 0.5025
Epoch 266/500
267/267 [=====] - 1s 3ms/step - loss: 17.2305 - auc_97:
0.5055 - val_loss: 9.9026 - val_auc_97: 0.4917
Epoch 267/500
267/267 [=====] - 1s 3ms/step - loss: 19.0433 - auc_97:
0.4992 - val_loss: 7.8992 - val_auc_97: 0.5108
Epoch 268/500
267/267 [=====] - 1s 3ms/step - loss: 18.3600 - auc_97:
0.5037 - val_loss: 20.3315 - val_auc_97: 0.4993
Epoch 269/500
267/267 [=====] - 1s 3ms/step - loss: 22.4338 - auc_97:
0.5047 - val_loss: 24.1650 - val_auc_97: 0.5006
Epoch 270/500

267/267 [=====] - 1s 3ms/step - loss: 16.2012 - auc_97:
0.5053 - val_loss: 50.7979 - val_auc_97: 0.4989
Epoch 271/500
267/267 [=====] - 1s 3ms/step - loss: 21.9021 - auc_97:
0.5029 - val_loss: 9.1711 - val_auc_97: 0.4976
Epoch 272/500
267/267 [=====] - 1s 3ms/step - loss: 17.5145 - auc_97:
0.4998 - val_loss: 14.8954 - val_auc_97: 0.5143
Epoch 273/500
267/267 [=====] - 1s 3ms/step - loss: 17.1959 - auc_97:
0.5047 - val_loss: 17.4915 - val_auc_97: 0.4989
Epoch 274/500
267/267 [=====] - 1s 3ms/step - loss: 18.6826 - auc_97:
0.5024 - val_loss: 17.8410 - val_auc_97: 0.4938
Epoch 275/500
267/267 [=====] - 1s 3ms/step - loss: 18.3050 - auc_97:
0.5037 - val_loss: 17.7609 - val_auc_97: 0.4999
Epoch 276/500
267/267 [=====] - 1s 3ms/step - loss: 21.3553 - auc_97:
0.5023 - val_loss: 6.6932 - val_auc_97: 0.5045
Epoch 277/500
267/267 [=====] - 1s 3ms/step - loss: 19.0403 - auc_97:
0.5061 - val_loss: 31.4964 - val_auc_97: 0.4970
Epoch 278/500
267/267 [=====] - 1s 3ms/step - loss: 17.7175 - auc_97:
0.5023 - val_loss: 25.4263 - val_auc_97: 0.5079
Epoch 279/500
267/267 [=====] - 1s 3ms/step - loss: 20.3363 - auc_97:
0.5061 - val_loss: 29.1740 - val_auc_97: 0.5075
Epoch 280/500
267/267 [=====] - 1s 3ms/step - loss: 23.4412 - auc_97:
0.5041 - val_loss: 13.7445 - val_auc_97: 0.5014
Epoch 281/500
267/267 [=====] - 1s 3ms/step - loss: 19.5465 - auc_97:
0.5022 - val_loss: 9.8303 - val_auc_97: 0.5053
Epoch 282/500
267/267 [=====] - 1s 3ms/step - loss: 19.6454 - auc_97:
0.5036 - val_loss: 11.2232 - val_auc_97: 0.5058
Epoch 283/500
267/267 [=====] - 1s 3ms/step - loss: 17.5640 - auc_97:
0.5026 - val_loss: 12.2331 - val_auc_97: 0.5034
Epoch 284/500
267/267 [=====] - 1s 3ms/step - loss: 19.6038 - auc_97:
0.5028 - val_loss: 17.0242 - val_auc_97: 0.5078
Epoch 285/500
267/267 [=====] - 1s 3ms/step - loss: 22.0013 - auc_97:
0.5021 - val_loss: 34.2261 - val_auc_97: 0.5014
Epoch 286/500

267/267 [=====] - 1s 3ms/step - loss: 17.0548 - auc_97:
 0.5030 - val_loss: 9.6483 - val_auc_97: 0.4947
 Epoch 287/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1801 - auc_97:
 0.5063 - val_loss: 30.6604 - val_auc_97: 0.5096
 Epoch 288/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1729 - auc_97:
 0.5009 - val_loss: 29.3005 - val_auc_97: 0.4863
 Epoch 289/500
 267/267 [=====] - 1s 3ms/step - loss: 23.0270 - auc_97:
 0.5053 - val_loss: 24.9479 - val_auc_97: 0.4909
 Epoch 290/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9547 - auc_97:
 0.5071 - val_loss: 14.6105 - val_auc_97: 0.4985
 Epoch 291/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1104 - auc_97:
 0.5020 - val_loss: 15.2436 - val_auc_97: 0.4991
 Epoch 292/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3722 - auc_97:
 0.5022 - val_loss: 9.3572 - val_auc_97: 0.5131
 Epoch 293/500
 267/267 [=====] - 1s 3ms/step - loss: 22.0352 - auc_97:
 0.5017 - val_loss: 9.1619 - val_auc_97: 0.5009
 Epoch 294/500
 267/267 [=====] - 1s 3ms/step - loss: 16.1137 - auc_97:
 0.5033 - val_loss: 11.1002 - val_auc_97: 0.4875
 Epoch 295/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6879 - auc_97:
 0.5041 - val_loss: 9.4414 - val_auc_97: 0.4895
 Epoch 296/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9286 - auc_97:
 0.5036 - val_loss: 25.3836 - val_auc_97: 0.4881
 Epoch 297/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8488 - auc_97:
 0.5024 - val_loss: 20.7345 - val_auc_97: 0.5027
 Epoch 298/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4710 - auc_97:
 0.5005 - val_loss: 28.5866 - val_auc_97: 0.4937
 Epoch 299/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4967 - auc_97:
 0.5049 - val_loss: 22.8274 - val_auc_97: 0.5048
 Epoch 300/500
 267/267 [=====] - 1s 3ms/step - loss: 23.3323 - auc_97:
 0.5042 - val_loss: 46.5828 - val_auc_97: 0.5003
 Epoch 301/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3966 - auc_97:
 0.5076 - val_loss: 34.7921 - val_auc_97: 0.4995
 Epoch 302/500

267/267 [=====] - 1s 3ms/step - loss: 20.9553 - auc_97:
 0.5024 - val_loss: 19.4763 - val_auc_97: 0.5121
 Epoch 303/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2810 - auc_97:
 0.5003 - val_loss: 11.0257 - val_auc_97: 0.4984
 Epoch 304/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5565 - auc_97:
 0.5026 - val_loss: 22.3730 - val_auc_97: 0.4933
 Epoch 305/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5748 - auc_97:
 0.5026 - val_loss: 8.2687 - val_auc_97: 0.5011
 Epoch 306/500
 267/267 [=====] - 1s 3ms/step - loss: 23.3777 - auc_97:
 0.5027 - val_loss: 13.0654 - val_auc_97: 0.5163
 Epoch 307/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4519 - auc_97:
 0.5075 - val_loss: 36.4800 - val_auc_97: 0.5027
 Epoch 308/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0572 - auc_97:
 0.5008 - val_loss: 14.7588 - val_auc_97: 0.4978
 Epoch 309/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9479 - auc_97:
 0.5045 - val_loss: 11.7934 - val_auc_97: 0.5032
 Epoch 310/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8866 - auc_97:
 0.5031 - val_loss: 11.6312 - val_auc_97: 0.5028
 Epoch 311/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8788 - auc_97:
 0.5051 - val_loss: 15.0894 - val_auc_97: 0.4981
 Epoch 312/500
 267/267 [=====] - 1s 3ms/step - loss: 16.6582 - auc_97:
 0.5048 - val_loss: 23.7580 - val_auc_97: 0.4998
 Epoch 313/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8039 - auc_97:
 0.5012 - val_loss: 15.3728 - val_auc_97: 0.5057
 Epoch 314/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0860 - auc_97:
 0.5030 - val_loss: 47.9946 - val_auc_97: 0.5035
 Epoch 315/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5303 - auc_97:
 0.5002 - val_loss: 10.3229 - val_auc_97: 0.5053
 Epoch 316/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7220 - auc_97:
 0.5002 - val_loss: 44.2478 - val_auc_97: 0.4918
 Epoch 317/500
 267/267 [=====] - 1s 3ms/step - loss: 15.4698 - auc_97:
 0.5028 - val_loss: 24.1322 - val_auc_97: 0.5093
 Epoch 318/500

267/267 [=====] - 1s 3ms/step - loss: 20.4020 - auc_97:
 0.5031 - val_loss: 25.2729 - val_auc_97: 0.5027
 Epoch 319/500
 267/267 [=====] - 1s 3ms/step - loss: 23.0614 - auc_97:
 0.5011 - val_loss: 18.1558 - val_auc_97: 0.5018
 Epoch 320/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5593 - auc_97:
 0.5037 - val_loss: 18.7290 - val_auc_97: 0.5079
 Epoch 321/500
 267/267 [=====] - 1s 3ms/step - loss: 25.2987 - auc_97:
 0.4997 - val_loss: 15.5733 - val_auc_97: 0.5007
 Epoch 322/500
 267/267 [=====] - 1s 3ms/step - loss: 17.0295 - auc_97:
 0.5052 - val_loss: 16.5495 - val_auc_97: 0.4993
 Epoch 323/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4523 - auc_97:
 0.5020 - val_loss: 9.5425 - val_auc_97: 0.4966
 Epoch 324/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3221 - auc_97:
 0.5006 - val_loss: 9.2898 - val_auc_97: 0.4960
 Epoch 325/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8119 - auc_97:
 0.5042 - val_loss: 10.7300 - val_auc_97: 0.5069
 Epoch 326/500
 267/267 [=====] - 1s 3ms/step - loss: 17.2765 - auc_97:
 0.5026 - val_loss: 27.8836 - val_auc_97: 0.5113
 Epoch 327/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4090 - auc_97:
 0.5021 - val_loss: 49.5783 - val_auc_97: 0.5063
 Epoch 328/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4551 - auc_97:
 0.5039 - val_loss: 37.6824 - val_auc_97: 0.5030
 Epoch 329/500
 267/267 [=====] - 1s 3ms/step - loss: 23.0732 - auc_97:
 0.5010 - val_loss: 44.9938 - val_auc_97: 0.4960
 Epoch 330/500
 267/267 [=====] - 1s 3ms/step - loss: 21.4813 - auc_97:
 0.5048 - val_loss: 17.5870 - val_auc_97: 0.5027
 Epoch 331/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0024 - auc_97:
 0.5025 - val_loss: 9.7463 - val_auc_97: 0.5044
 Epoch 332/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7576 - auc_97:
 0.5027 - val_loss: 12.2545 - val_auc_97: 0.5002
 Epoch 333/500
 267/267 [=====] - 1s 3ms/step - loss: 15.0174 - auc_97:
 0.5041 - val_loss: 18.0932 - val_auc_97: 0.5095
 Epoch 334/500

267/267 [=====] - 1s 3ms/step - loss: 21.0611 - auc_97:
 0.5006 - val_loss: 17.0009 - val_auc_97: 0.5067
 Epoch 335/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2676 - auc_97:
 0.5028 - val_loss: 21.9875 - val_auc_97: 0.5098
 Epoch 336/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4334 - auc_97:
 0.5033 - val_loss: 9.6708 - val_auc_97: 0.4993
 Epoch 337/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7559 - auc_97:
 0.5016 - val_loss: 65.9077 - val_auc_97: 0.5030
 Epoch 338/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0715 - auc_97:
 0.5031 - val_loss: 16.9239 - val_auc_97: 0.5055
 Epoch 339/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2074 - auc_97:
 0.5039 - val_loss: 18.8606 - val_auc_97: 0.4859
 Epoch 340/500
 267/267 [=====] - 1s 3ms/step - loss: 23.3626 - auc_97:
 0.5029 - val_loss: 14.1070 - val_auc_97: 0.5005
 Epoch 341/500
 267/267 [=====] - 1s 3ms/step - loss: 21.9775 - auc_97:
 0.5032 - val_loss: 15.2240 - val_auc_97: 0.4818
 Epoch 342/500
 267/267 [=====] - 1s 3ms/step - loss: 20.9865 - auc_97:
 0.5024 - val_loss: 23.1543 - val_auc_97: 0.4989
 Epoch 343/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1593 - auc_97:
 0.5033 - val_loss: 23.1968 - val_auc_97: 0.4941
 Epoch 344/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3769 - auc_97:
 0.5021 - val_loss: 28.1665 - val_auc_97: 0.5069
 Epoch 345/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4395 - auc_97:
 0.5026 - val_loss: 22.6082 - val_auc_97: 0.4990
 Epoch 346/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5065 - auc_97:
 0.5038 - val_loss: 17.6646 - val_auc_97: 0.5090
 Epoch 347/500
 267/267 [=====] - 1s 3ms/step - loss: 22.5922 - auc_97:
 0.5023 - val_loss: 40.4660 - val_auc_97: 0.4999
 Epoch 348/500
 267/267 [=====] - 1s 3ms/step - loss: 23.4598 - auc_97:
 0.4976 - val_loss: 14.7293 - val_auc_97: 0.5065
 Epoch 349/500
 267/267 [=====] - 1s 3ms/step - loss: 16.9549 - auc_97:
 0.5036 - val_loss: 16.8227 - val_auc_97: 0.4900
 Epoch 350/500

267/267 [=====] - 1s 3ms/step - loss: 15.7206 - auc_97:
 0.5052 - val_loss: 13.3973 - val_auc_97: 0.5008
 Epoch 351/500
 267/267 [=====] - 1s 3ms/step - loss: 21.7563 - auc_97:
 0.5021 - val_loss: 15.4526 - val_auc_97: 0.4924
 Epoch 352/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0581 - auc_97:
 0.5013 - val_loss: 30.9403 - val_auc_97: 0.4971
 Epoch 353/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3228 - auc_97:
 0.5029 - val_loss: 21.6494 - val_auc_97: 0.5001
 Epoch 354/500
 267/267 [=====] - 1s 3ms/step - loss: 24.2892 - auc_97:
 0.4990 - val_loss: 24.2888 - val_auc_97: 0.4930
 Epoch 355/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8072 - auc_97:
 0.5002 - val_loss: 13.5631 - val_auc_97: 0.5054
 Epoch 356/500
 267/267 [=====] - 1s 3ms/step - loss: 15.9152 - auc_97:
 0.5025 - val_loss: 9.1307 - val_auc_97: 0.4899
 Epoch 357/500
 267/267 [=====] - 1s 3ms/step - loss: 20.9593 - auc_97:
 0.5048 - val_loss: 10.9225 - val_auc_97: 0.5136
 Epoch 358/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4644 - auc_97:
 0.5017 - val_loss: 25.1611 - val_auc_97: 0.5054
 Epoch 359/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1275 - auc_97:
 0.5014 - val_loss: 14.1711 - val_auc_97: 0.5045
 Epoch 360/500
 267/267 [=====] - 1s 3ms/step - loss: 23.0289 - auc_97:
 0.5041 - val_loss: 23.9039 - val_auc_97: 0.4989
 Epoch 361/500
 267/267 [=====] - 1s 3ms/step - loss: 23.4792 - auc_97:
 0.5059 - val_loss: 15.5807 - val_auc_97: 0.5110
 Epoch 362/500
 267/267 [=====] - 1s 3ms/step - loss: 23.8987 - auc_97:
 0.5047 - val_loss: 29.4571 - val_auc_97: 0.4974
 Epoch 363/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0640 - auc_97:
 0.5035 - val_loss: 12.8420 - val_auc_97: 0.5025
 Epoch 364/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2988 - auc_97:
 0.4997 - val_loss: 16.9448 - val_auc_97: 0.5092
 Epoch 365/500
 267/267 [=====] - 1s 3ms/step - loss: 16.7357 - auc_97:
 0.5057 - val_loss: 23.6435 - val_auc_97: 0.4944
 Epoch 366/500

267/267 [=====] - 1s 3ms/step - loss: 18.3586 - auc_97:
0.5026 - val_loss: 34.7761 - val_auc_97: 0.4996
Epoch 367/500
267/267 [=====] - 1s 3ms/step - loss: 17.3653 - auc_97:
0.5071 - val_loss: 10.1830 - val_auc_97: 0.5071
Epoch 368/500
267/267 [=====] - 1s 3ms/step - loss: 21.5873 - auc_97:
0.5020 - val_loss: 14.8264 - val_auc_97: 0.5079
Epoch 369/500
267/267 [=====] - 1s 3ms/step - loss: 20.6006 - auc_97:
0.5053 - val_loss: 22.4838 - val_auc_97: 0.5046
Epoch 370/500
267/267 [=====] - 1s 3ms/step - loss: 19.7132 - auc_97:
0.5026 - val_loss: 20.9667 - val_auc_97: 0.5106
Epoch 371/500
267/267 [=====] - 1s 3ms/step - loss: 16.1105 - auc_97:
0.5056 - val_loss: 13.6354 - val_auc_97: 0.5091
Epoch 372/500
267/267 [=====] - 1s 3ms/step - loss: 19.9067 - auc_97:
0.5065 - val_loss: 30.8935 - val_auc_97: 0.4983
Epoch 373/500
267/267 [=====] - 1s 3ms/step - loss: 25.3670 - auc_97:
0.5062 - val_loss: 10.3581 - val_auc_97: 0.4898
Epoch 374/500
267/267 [=====] - 1s 3ms/step - loss: 21.3522 - auc_97:
0.5003 - val_loss: 9.1888 - val_auc_97: 0.5020
Epoch 375/500
267/267 [=====] - 1s 3ms/step - loss: 15.3201 - auc_97:
0.5037 - val_loss: 20.2780 - val_auc_97: 0.4973
Epoch 376/500
267/267 [=====] - 1s 3ms/step - loss: 19.6156 - auc_97:
0.5040 - val_loss: 25.2844 - val_auc_97: 0.5049
Epoch 377/500
267/267 [=====] - 1s 3ms/step - loss: 18.1029 - auc_97:
0.5015 - val_loss: 23.0999 - val_auc_97: 0.4942
Epoch 378/500
267/267 [=====] - 1s 3ms/step - loss: 20.5142 - auc_97:
0.5036 - val_loss: 23.1389 - val_auc_97: 0.4968
Epoch 379/500
267/267 [=====] - 1s 3ms/step - loss: 20.1022 - auc_97:
0.4997 - val_loss: 23.2691 - val_auc_97: 0.5014
Epoch 380/500
267/267 [=====] - 1s 3ms/step - loss: 18.4746 - auc_97:
0.5028 - val_loss: 19.2983 - val_auc_97: 0.5108
Epoch 381/500
267/267 [=====] - 1s 3ms/step - loss: 20.0391 - auc_97:
0.5030 - val_loss: 20.4670 - val_auc_97: 0.4952
Epoch 382/500

267/267 [=====] - 1s 3ms/step - loss: 16.4966 - auc_97:
 0.5044 - val_loss: 33.7860 - val_auc_97: 0.5007
 Epoch 383/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0315 - auc_97:
 0.5063 - val_loss: 21.1467 - val_auc_97: 0.4987
 Epoch 384/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2211 - auc_97:
 0.5042 - val_loss: 14.6816 - val_auc_97: 0.4941
 Epoch 385/500
 267/267 [=====] - 1s 3ms/step - loss: 16.8111 - auc_97:
 0.5048 - val_loss: 12.5006 - val_auc_97: 0.4918
 Epoch 386/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0698 - auc_97:
 0.5047 - val_loss: 15.6075 - val_auc_97: 0.5034
 Epoch 387/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0490 - auc_97:
 0.5053 - val_loss: 15.8220 - val_auc_97: 0.5013
 Epoch 388/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8268 - auc_97:
 0.5025 - val_loss: 30.7245 - val_auc_97: 0.5060
 Epoch 389/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0476 - auc_97:
 0.5051 - val_loss: 13.9265 - val_auc_97: 0.5147
 Epoch 390/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7262 - auc_97:
 0.5026 - val_loss: 14.8375 - val_auc_97: 0.5050
 Epoch 391/500
 267/267 [=====] - 1s 3ms/step - loss: 22.9225 - auc_97:
 0.5018 - val_loss: 21.0574 - val_auc_97: 0.5037
 Epoch 392/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1572 - auc_97:
 0.5010 - val_loss: 27.3892 - val_auc_97: 0.5000
 Epoch 393/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4592 - auc_97:
 0.5019 - val_loss: 23.3495 - val_auc_97: 0.5012
 Epoch 394/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4849 - auc_97:
 0.5015 - val_loss: 41.0794 - val_auc_97: 0.5075
 Epoch 395/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7835 - auc_97:
 0.5035 - val_loss: 19.8729 - val_auc_97: 0.5074
 Epoch 396/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9291 - auc_97:
 0.5033 - val_loss: 18.6737 - val_auc_97: 0.5121
 Epoch 397/500
 267/267 [=====] - 1s 3ms/step - loss: 22.0087 - auc_97:
 0.5016 - val_loss: 31.5999 - val_auc_97: 0.5102
 Epoch 398/500

267/267 [=====] - 1s 3ms/step - loss: 18.4226 - auc_97:
 0.5033 - val_loss: 11.0198 - val_auc_97: 0.5072
 Epoch 399/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4342 - auc_97:
 0.5038 - val_loss: 23.9551 - val_auc_97: 0.5007
 Epoch 400/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4524 - auc_97:
 0.5037 - val_loss: 17.0381 - val_auc_97: 0.5035
 Epoch 401/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6367 - auc_97:
 0.5020 - val_loss: 21.6619 - val_auc_97: 0.4987
 Epoch 402/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4316 - auc_97:
 0.5004 - val_loss: 20.7432 - val_auc_97: 0.4924
 Epoch 403/500
 267/267 [=====] - 1s 3ms/step - loss: 24.5340 - auc_97:
 0.5058 - val_loss: 17.8617 - val_auc_97: 0.5120
 Epoch 404/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9919 - auc_97:
 0.5040 - val_loss: 6.3188 - val_auc_97: 0.4851
 Epoch 405/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7183 - auc_97:
 0.5021 - val_loss: 13.4911 - val_auc_97: 0.5086
 Epoch 406/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0996 - auc_97:
 0.5025 - val_loss: 38.5230 - val_auc_97: 0.5021
 Epoch 407/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1553 - auc_97:
 0.5014 - val_loss: 30.2845 - val_auc_97: 0.4976
 Epoch 408/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1764 - auc_97:
 0.5027 - val_loss: 28.1183 - val_auc_97: 0.5017
 Epoch 409/500
 267/267 [=====] - 1s 3ms/step - loss: 17.2829 - auc_97:
 0.5029 - val_loss: 28.5856 - val_auc_97: 0.5098
 Epoch 410/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9730 - auc_97:
 0.5022 - val_loss: 12.4484 - val_auc_97: 0.4939
 Epoch 411/500
 267/267 [=====] - 1s 3ms/step - loss: 24.0966 - auc_97:
 0.5060 - val_loss: 24.2959 - val_auc_97: 0.4989
 Epoch 412/500
 267/267 [=====] - 1s 3ms/step - loss: 23.6765 - auc_97:
 0.5011 - val_loss: 16.5611 - val_auc_97: 0.5108
 Epoch 413/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7036 - auc_97:
 0.5046 - val_loss: 14.6324 - val_auc_97: 0.5117
 Epoch 414/500

267/267 [=====] - 1s 3ms/step - loss: 19.2126 - auc_97:
 0.5008 - val_loss: 15.3375 - val_auc_97: 0.5044
 Epoch 415/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5576 - auc_97:
 0.5016 - val_loss: 13.9239 - val_auc_97: 0.4973
 Epoch 416/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5629 - auc_97:
 0.4994 - val_loss: 6.0439 - val_auc_97: 0.5059
 Epoch 417/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9899 - auc_97:
 0.5014 - val_loss: 20.5248 - val_auc_97: 0.5095
 Epoch 418/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5539 - auc_97:
 0.5020 - val_loss: 19.0350 - val_auc_97: 0.5021
 Epoch 419/500
 267/267 [=====] - 1s 3ms/step - loss: 23.2183 - auc_97:
 0.5014 - val_loss: 18.0760 - val_auc_97: 0.5085
 Epoch 420/500
 267/267 [=====] - 1s 3ms/step - loss: 24.3675 - auc_97:
 0.5030 - val_loss: 35.0529 - val_auc_97: 0.4955
 Epoch 421/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7757 - auc_97:
 0.5042 - val_loss: 15.8615 - val_auc_97: 0.5078
 Epoch 422/500
 267/267 [=====] - 1s 3ms/step - loss: 15.5423 - auc_97:
 0.5065 - val_loss: 14.4602 - val_auc_97: 0.4911
 Epoch 423/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2740 - auc_97:
 0.5005 - val_loss: 21.4964 - val_auc_97: 0.5036
 Epoch 424/500
 267/267 [=====] - 1s 3ms/step - loss: 16.3421 - auc_97:
 0.5029 - val_loss: 21.7415 - val_auc_97: 0.5120
 Epoch 425/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2919 - auc_97:
 0.5014 - val_loss: 10.4459 - val_auc_97: 0.5102
 Epoch 426/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7443 - auc_97:
 0.5030 - val_loss: 15.7222 - val_auc_97: 0.5031
 Epoch 427/500
 267/267 [=====] - 1s 3ms/step - loss: 17.5701 - auc_97:
 0.5014 - val_loss: 8.7873 - val_auc_97: 0.4866
 Epoch 428/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3151 - auc_97:
 0.5022 - val_loss: 10.9029 - val_auc_97: 0.5018
 Epoch 429/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6498 - auc_97:
 0.5005 - val_loss: 24.9840 - val_auc_97: 0.5053
 Epoch 430/500

267/267 [=====] - 1s 3ms/step - loss: 20.9717 - auc_97:
 0.5023 - val_loss: 22.1502 - val_auc_97: 0.5144
 Epoch 431/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2359 - auc_97:
 0.5004 - val_loss: 8.8527 - val_auc_97: 0.4859
 Epoch 432/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5430 - auc_97:
 0.5064 - val_loss: 33.1294 - val_auc_97: 0.5021
 Epoch 433/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6338 - auc_97:
 0.5045 - val_loss: 8.0799 - val_auc_97: 0.5153
 Epoch 434/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7262 - auc_97:
 0.5032 - val_loss: 12.1402 - val_auc_97: 0.5081
 Epoch 435/500
 267/267 [=====] - 1s 3ms/step - loss: 24.3212 - auc_97:
 0.5049 - val_loss: 11.7523 - val_auc_97: 0.4989
 Epoch 436/500
 267/267 [=====] - 1s 3ms/step - loss: 17.1734 - auc_97:
 0.5012 - val_loss: 19.9543 - val_auc_97: 0.4993
 Epoch 437/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9790 - auc_97:
 0.5047 - val_loss: 32.4370 - val_auc_97: 0.4991
 Epoch 438/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4583 - auc_97:
 0.5003 - val_loss: 20.6386 - val_auc_97: 0.4913
 Epoch 439/500
 267/267 [=====] - 1s 3ms/step - loss: 22.3037 - auc_97:
 0.5045 - val_loss: 22.6933 - val_auc_97: 0.5056
 Epoch 440/500
 267/267 [=====] - 1s 3ms/step - loss: 20.9582 - auc_97:
 0.5021 - val_loss: 15.3961 - val_auc_97: 0.5058
 Epoch 441/500
 267/267 [=====] - 1s 3ms/step - loss: 23.9750 - auc_97:
 0.5027 - val_loss: 16.0989 - val_auc_97: 0.4914
 Epoch 442/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7619 - auc_97:
 0.5031 - val_loss: 18.6122 - val_auc_97: 0.4941
 Epoch 443/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6007 - auc_97:
 0.5055 - val_loss: 20.9557 - val_auc_97: 0.4908
 Epoch 444/500
 267/267 [=====] - 1s 3ms/step - loss: 16.3154 - auc_97:
 0.5022 - val_loss: 14.6989 - val_auc_97: 0.5147
 Epoch 445/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1686 - auc_97:
 0.5034 - val_loss: 7.9841 - val_auc_97: 0.4996
 Epoch 446/500

267/267 [=====] - 1s 3ms/step - loss: 18.5569 - auc_97:
0.5025 - val_loss: 8.2169 - val_auc_97: 0.5079
Epoch 447/500
267/267 [=====] - 1s 3ms/step - loss: 18.8946 - auc_97:
0.5036 - val_loss: 22.8474 - val_auc_97: 0.5189
Epoch 448/500
267/267 [=====] - 1s 3ms/step - loss: 21.4250 - auc_97:
0.5016 - val_loss: 14.6490 - val_auc_97: 0.5084
Epoch 449/500
267/267 [=====] - 1s 3ms/step - loss: 18.2356 - auc_97:
0.5020 - val_loss: 14.2229 - val_auc_97: 0.5094
Epoch 450/500
267/267 [=====] - 1s 3ms/step - loss: 24.6990 - auc_97:
0.5011 - val_loss: 42.0257 - val_auc_97: 0.5071
Epoch 451/500
267/267 [=====] - 1s 3ms/step - loss: 18.6906 - auc_97:
0.5005 - val_loss: 16.4683 - val_auc_97: 0.4864
Epoch 452/500
267/267 [=====] - 1s 3ms/step - loss: 19.4941 - auc_97:
0.5008 - val_loss: 5.4493 - val_auc_97: 0.5052
Epoch 453/500
267/267 [=====] - 1s 3ms/step - loss: 17.7089 - auc_97:
0.5030 - val_loss: 20.3343 - val_auc_97: 0.4995
Epoch 454/500
267/267 [=====] - 1s 3ms/step - loss: 17.8893 - auc_97:
0.4998 - val_loss: 17.8778 - val_auc_97: 0.5047
Epoch 455/500
267/267 [=====] - 1s 3ms/step - loss: 18.8527 - auc_97:
0.5045 - val_loss: 21.2073 - val_auc_97: 0.5048
Epoch 456/500
267/267 [=====] - 1s 3ms/step - loss: 18.7835 - auc_97:
0.5020 - val_loss: 8.7385 - val_auc_97: 0.4930
Epoch 457/500
267/267 [=====] - 1s 3ms/step - loss: 21.9545 - auc_97:
0.5037 - val_loss: 17.0592 - val_auc_97: 0.5060
Epoch 458/500
267/267 [=====] - 1s 3ms/step - loss: 19.5650 - auc_97:
0.5033 - val_loss: 8.7410 - val_auc_97: 0.5037
Epoch 459/500
267/267 [=====] - 1s 3ms/step - loss: 18.2541 - auc_97:
0.5015 - val_loss: 29.4162 - val_auc_97: 0.4936
Epoch 460/500
267/267 [=====] - 1s 3ms/step - loss: 20.2709 - auc_97:
0.4989 - val_loss: 31.8733 - val_auc_97: 0.5017
Epoch 461/500
267/267 [=====] - 1s 3ms/step - loss: 20.1154 - auc_97:
0.5002 - val_loss: 20.0617 - val_auc_97: 0.5021
Epoch 462/500

267/267 [=====] - 1s 3ms/step - loss: 23.3605 - auc_97:
 0.5012 - val_loss: 36.9397 - val_auc_97: 0.5111
 Epoch 463/500
 267/267 [=====] - 1s 3ms/step - loss: 16.8645 - auc_97:
 0.5047 - val_loss: 24.4825 - val_auc_97: 0.5075
 Epoch 464/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7148 - auc_97:
 0.5047 - val_loss: 26.4317 - val_auc_97: 0.4921
 Epoch 465/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0346 - auc_97:
 0.5033 - val_loss: 14.6451 - val_auc_97: 0.5044
 Epoch 466/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3891 - auc_97:
 0.5023 - val_loss: 19.3728 - val_auc_97: 0.5110
 Epoch 467/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8536 - auc_97:
 0.4995 - val_loss: 12.8420 - val_auc_97: 0.5078
 Epoch 468/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6555 - auc_97:
 0.5011 - val_loss: 14.3134 - val_auc_97: 0.5130
 Epoch 469/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8426 - auc_97:
 0.5030 - val_loss: 21.1728 - val_auc_97: 0.4999
 Epoch 470/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7815 - auc_97:
 0.5043 - val_loss: 20.0847 - val_auc_97: 0.4971
 Epoch 471/500
 267/267 [=====] - 1s 3ms/step - loss: 23.2259 - auc_97:
 0.5029 - val_loss: 20.2146 - val_auc_97: 0.5099
 Epoch 472/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4040 - auc_97:
 0.5036 - val_loss: 10.6313 - val_auc_97: 0.5004
 Epoch 473/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6055 - auc_97:
 0.5040 - val_loss: 12.7919 - val_auc_97: 0.5060
 Epoch 474/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7733 - auc_97:
 0.5027 - val_loss: 19.3004 - val_auc_97: 0.4931
 Epoch 475/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7052 - auc_97:
 0.5039 - val_loss: 22.0645 - val_auc_97: 0.4964
 Epoch 476/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7658 - auc_97:
 0.5019 - val_loss: 28.2315 - val_auc_97: 0.4992
 Epoch 477/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7241 - auc_97:
 0.5029 - val_loss: 25.1438 - val_auc_97: 0.5054
 Epoch 478/500

267/267 [=====] - 1s 3ms/step - loss: 18.3420 - auc_97:
 0.5013 - val_loss: 15.3373 - val_auc_97: 0.5093
 Epoch 479/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7610 - auc_97:
 0.5010 - val_loss: 16.6600 - val_auc_97: 0.4998
 Epoch 480/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9188 - auc_97:
 0.4984 - val_loss: 20.7263 - val_auc_97: 0.5059
 Epoch 481/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1222 - auc_97:
 0.5034 - val_loss: 14.5127 - val_auc_97: 0.5138
 Epoch 482/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1864 - auc_97:
 0.5045 - val_loss: 50.6720 - val_auc_97: 0.5124
 Epoch 483/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2439 - auc_97:
 0.5035 - val_loss: 16.3643 - val_auc_97: 0.4980
 Epoch 484/500
 267/267 [=====] - 1s 3ms/step - loss: 24.7445 - auc_97:
 0.5002 - val_loss: 15.7289 - val_auc_97: 0.4964
 Epoch 485/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0353 - auc_97:
 0.5031 - val_loss: 43.6313 - val_auc_97: 0.5138
 Epoch 486/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3971 - auc_97:
 0.5009 - val_loss: 13.0420 - val_auc_97: 0.5123
 Epoch 487/500
 267/267 [=====] - 1s 3ms/step - loss: 17.0535 - auc_97:
 0.5035 - val_loss: 11.5025 - val_auc_97: 0.4959
 Epoch 488/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5207 - auc_97:
 0.5054 - val_loss: 27.0182 - val_auc_97: 0.5013
 Epoch 489/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1096 - auc_97:
 0.5011 - val_loss: 29.1054 - val_auc_97: 0.4952
 Epoch 490/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1899 - auc_97:
 0.5028 - val_loss: 17.1420 - val_auc_97: 0.4926
 Epoch 491/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6294 - auc_97:
 0.5009 - val_loss: 10.1320 - val_auc_97: 0.5149
 Epoch 492/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1876 - auc_97:
 0.5025 - val_loss: 28.6673 - val_auc_97: 0.4964
 Epoch 493/500
 267/267 [=====] - 1s 3ms/step - loss: 17.0954 - auc_97:
 0.5006 - val_loss: 8.1417 - val_auc_97: 0.4942
 Epoch 494/500

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267/267 [=====] - 1s 3ms/step - loss: 21.9892 - auc_97:
0.5057 - val_loss: 43.2054 - val_auc_97: 0.4913
Epoch 495/500
267/267 [=====] - 1s 3ms/step - loss: 20.3389 - auc_97:
0.5011 - val_loss: 29.9842 - val_auc_97: 0.4987
Epoch 496/500
267/267 [=====] - 1s 3ms/step - loss: 18.8451 - auc_97:
0.5011 - val_loss: 17.6145 - val_auc_97: 0.5173
Epoch 497/500
267/267 [=====] - 1s 3ms/step - loss: 18.7728 - auc_97:
0.4994 - val_loss: 12.7577 - val_auc_97: 0.5073
Epoch 498/500
267/267 [=====] - 1s 3ms/step - loss: 18.7230 - auc_97:
0.5041 - val_loss: 20.0746 - val_auc_97: 0.4808
Epoch 499/500
267/267 [=====] - 1s 3ms/step - loss: 16.3089 - auc_97:
0.5064 - val_loss: 14.8788 - val_auc_97: 0.4928
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 22.6511 - auc_97:
0.5056 - val_loss: 18.0209 - val_auc_97: 0.4916
1/625 [...] - ETA: 0sWARNING:tensorflow:Callbacks
method `on_predict_batch_end` is slow compared to the batch time (batch time:
0.0000s vs `on_predict_batch_end` time: 0.0010s). Check your callbacks.
625/625 [=====] - 0s 629us/step
[CV] ... epochs=500, learning_rate=0.1, score=0.498, total= 6.5min
[CV] epochs=500, learning_rate=0.1 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 26.1264 - auc_98:
0.5016 - val_loss: 69.3579 - val_auc_98: 0.5045
Epoch 2/500
267/267 [=====] - 1s 3ms/step - loss: 22.2433 - auc_98:
0.5014 - val_loss: 13.1510 - val_auc_98: 0.4951
Epoch 3/500
267/267 [=====] - 1s 3ms/step - loss: 22.5813 - auc_98:
0.5003 - val_loss: 17.0243 - val_auc_98: 0.5014
Epoch 4/500
267/267 [=====] - 1s 3ms/step - loss: 17.0540 - auc_98:
0.5026 - val_loss: 10.3073 - val_auc_98: 0.5108
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 17.8402 - auc_98:
0.5073 - val_loss: 33.3338 - val_auc_98: 0.4966
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 22.0721 - auc_98:
0.4997 - val_loss: 13.6456 - val_auc_98: 0.5120
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 19.5355 - auc_98:
0.4997 - val_loss: 38.3018 - val_auc_98: 0.4981
Epoch 8/500

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267/267 [=====] - 1s 3ms/step - loss: 17.7264 - auc_98:
 0.4998 - val_loss: 18.9112 - val_auc_98: 0.5018
 Epoch 9/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6904 - auc_98:
 0.5012 - val_loss: 18.4982 - val_auc_98: 0.4940
 Epoch 10/500
 267/267 [=====] - 1s 3ms/step - loss: 22.3058 - auc_98:
 0.5051 - val_loss: 9.1205 - val_auc_98: 0.4925
 Epoch 11/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1347 - auc_98:
 0.5031 - val_loss: 16.9614 - val_auc_98: 0.5013
 Epoch 12/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9324 - auc_98:
 0.5004 - val_loss: 22.0634 - val_auc_98: 0.4952
 Epoch 13/500
 267/267 [=====] - 1s 3ms/step - loss: 21.8014 - auc_98:
 0.5014 - val_loss: 12.0249 - val_auc_98: 0.5027
 Epoch 14/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1190 - auc_98:
 0.5035 - val_loss: 9.4970 - val_auc_98: 0.5171
 Epoch 15/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4744 - auc_98:
 0.5001 - val_loss: 15.2625 - val_auc_98: 0.5020
 Epoch 16/500
 267/267 [=====] - 1s 3ms/step - loss: 20.9782 - auc_98:
 0.5057 - val_loss: 12.8194 - val_auc_98: 0.4936
 Epoch 17/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6036 - auc_98:
 0.5017 - val_loss: 22.9637 - val_auc_98: 0.4915
 Epoch 18/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0468 - auc_98:
 0.4978 - val_loss: 24.2375 - val_auc_98: 0.5025
 Epoch 19/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4797 - auc_98:
 0.5060 - val_loss: 23.6313 - val_auc_98: 0.4915
 Epoch 20/500
 267/267 [=====] - 1s 3ms/step - loss: 26.5053 - auc_98:
 0.5009 - val_loss: 10.1806 - val_auc_98: 0.5166
 Epoch 21/500
 267/267 [=====] - 1s 3ms/step - loss: 17.0550 - auc_98:
 0.5034 - val_loss: 10.6234 - val_auc_98: 0.4934
 Epoch 22/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5525 - auc_98:
 0.4985 - val_loss: 10.4383 - val_auc_98: 0.4962
 Epoch 23/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1210 - auc_98:
 0.5009 - val_loss: 19.8628 - val_auc_98: 0.4929
 Epoch 24/500

267/267 [=====] - 1s 3ms/step - loss: 20.7050 - auc_98:
0.5044 - val_loss: 29.3818 - val_auc_98: 0.5070
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 18.9557 - auc_98:
0.5022 - val_loss: 55.0545 - val_auc_98: 0.5018
Epoch 26/500
267/267 [=====] - 1s 3ms/step - loss: 20.4647 - auc_98:
0.5021 - val_loss: 36.5015 - val_auc_98: 0.5094
Epoch 27/500
267/267 [=====] - 1s 3ms/step - loss: 21.7597 - auc_98:
0.5032 - val_loss: 42.0426 - val_auc_98: 0.5013
Epoch 28/500
267/267 [=====] - 1s 3ms/step - loss: 19.4375 - auc_98:
0.5008 - val_loss: 9.8087 - val_auc_98: 0.5030
Epoch 29/500
267/267 [=====] - 1s 3ms/step - loss: 20.7317 - auc_98:
0.5025 - val_loss: 16.0281 - val_auc_98: 0.4903
Epoch 30/500
267/267 [=====] - 1s 3ms/step - loss: 24.1952 - auc_98:
0.5042 - val_loss: 23.9122 - val_auc_98: 0.4944
Epoch 31/500
267/267 [=====] - 1s 3ms/step - loss: 16.8258 - auc_98:
0.5044 - val_loss: 30.9017 - val_auc_98: 0.4909
Epoch 32/500
267/267 [=====] - 1s 3ms/step - loss: 17.4980 - auc_98:
0.5063 - val_loss: 6.4161 - val_auc_98: 0.5001
Epoch 33/500
267/267 [=====] - 1s 3ms/step - loss: 21.9157 - auc_98:
0.5044 - val_loss: 9.1901 - val_auc_98: 0.4947
Epoch 34/500
267/267 [=====] - 1s 3ms/step - loss: 20.2303 - auc_98:
0.5038 - val_loss: 15.7025 - val_auc_98: 0.5010
Epoch 35/500
267/267 [=====] - 1s 3ms/step - loss: 18.3172 - auc_98:
0.5004 - val_loss: 18.1548 - val_auc_98: 0.5007
Epoch 36/500
267/267 [=====] - 1s 3ms/step - loss: 17.2761 - auc_98:
0.5033 - val_loss: 8.4369 - val_auc_98: 0.5154
Epoch 37/500
267/267 [=====] - 1s 3ms/step - loss: 17.1663 - auc_98:
0.5019 - val_loss: 8.3159 - val_auc_98: 0.4969
Epoch 38/500
267/267 [=====] - 1s 3ms/step - loss: 18.3860 - auc_98:
0.5058 - val_loss: 44.6655 - val_auc_98: 0.5082
Epoch 39/500
267/267 [=====] - 1s 3ms/step - loss: 24.2066 - auc_98:
0.5002 - val_loss: 22.9018 - val_auc_98: 0.4966
Epoch 40/500

267/267 [=====] - 1s 3ms/step - loss: 20.8258 - auc_98:
0.5014 - val_loss: 23.0748 - val_auc_98: 0.5079
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 18.5193 - auc_98:
0.4985 - val_loss: 19.9373 - val_auc_98: 0.5166
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 21.9976 - auc_98:
0.5048 - val_loss: 40.9575 - val_auc_98: 0.5077
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 18.9732 - auc_98:
0.5043 - val_loss: 11.2504 - val_auc_98: 0.5074
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 16.8786 - auc_98:
0.5052 - val_loss: 18.3879 - val_auc_98: 0.5118
Epoch 45/500
267/267 [=====] - 1s 3ms/step - loss: 19.9522 - auc_98:
0.4997 - val_loss: 11.1690 - val_auc_98: 0.4993
Epoch 46/500
267/267 [=====] - 1s 3ms/step - loss: 17.3326 - auc_98:
0.5027 - val_loss: 11.4237 - val_auc_98: 0.5019
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 17.9172 - auc_98:
0.5018 - val_loss: 14.7414 - val_auc_98: 0.4905
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 18.2343 - auc_98:
0.5044 - val_loss: 9.0055 - val_auc_98: 0.5092
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 16.9034 - auc_98:
0.5030 - val_loss: 31.0251 - val_auc_98: 0.5107
Epoch 50/500
267/267 [=====] - 1s 3ms/step - loss: 20.3720 - auc_98:
0.5037 - val_loss: 31.7202 - val_auc_98: 0.5031
Epoch 51/500
267/267 [=====] - 1s 3ms/step - loss: 19.5368 - auc_98:
0.5028 - val_loss: 7.4512 - val_auc_98: 0.5016
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 19.7373 - auc_98:
0.5046 - val_loss: 34.5784 - val_auc_98: 0.5034
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 20.7882 - auc_98:
0.5025 - val_loss: 36.7377 - val_auc_98: 0.5019
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 19.6036 - auc_98:
0.4986 - val_loss: 24.0311 - val_auc_98: 0.5065
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 19.0312 - auc_98:
0.5033 - val_loss: 12.3975 - val_auc_98: 0.5080
Epoch 56/500

267/267 [=====] - 1s 3ms/step - loss: 20.5583 - auc_98:
0.5046 - val_loss: 18.2220 - val_auc_98: 0.5102
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 25.0126 - auc_98:
0.4997 - val_loss: 15.9029 - val_auc_98: 0.4954
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 21.4035 - auc_98:
0.5002 - val_loss: 6.2658 - val_auc_98: 0.4979
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 22.1506 - auc_98:
0.5009 - val_loss: 13.6704 - val_auc_98: 0.5010
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 22.0689 - auc_98:
0.4996 - val_loss: 9.5818 - val_auc_98: 0.5000
Epoch 61/500
267/267 [=====] - 1s 3ms/step - loss: 19.4241 - auc_98:
0.5054 - val_loss: 5.5371 - val_auc_98: 0.4926
Epoch 62/500
267/267 [=====] - 1s 3ms/step - loss: 23.0579 - auc_98:
0.5032 - val_loss: 14.0171 - val_auc_98: 0.5044
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 24.3177 - auc_98:
0.5042 - val_loss: 18.2237 - val_auc_98: 0.5070
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 19.5062 - auc_98:
0.4994 - val_loss: 49.3947 - val_auc_98: 0.4955
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 19.6814 - auc_98:
0.5042 - val_loss: 10.8446 - val_auc_98: 0.5019
Epoch 66/500
267/267 [=====] - 1s 3ms/step - loss: 19.4514 - auc_98:
0.5037 - val_loss: 14.2990 - val_auc_98: 0.5098
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 19.7390 - auc_98:
0.5037 - val_loss: 16.2114 - val_auc_98: 0.5042
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 19.4367 - auc_98:
0.5011 - val_loss: 20.4626 - val_auc_98: 0.4997
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 18.7942 - auc_98:
0.5013 - val_loss: 24.0416 - val_auc_98: 0.4998
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 22.0864 - auc_98:
0.5012 - val_loss: 25.0484 - val_auc_98: 0.5107
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 16.2339 - auc_98:
0.5024 - val_loss: 18.3548 - val_auc_98: 0.5138
Epoch 72/500

267/267 [=====] - 1s 3ms/step - loss: 21.7087 - auc_98:
0.5007 - val_loss: 8.1797 - val_auc_98: 0.4996
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 21.4894 - auc_98:
0.5014 - val_loss: 19.1069 - val_auc_98: 0.4986
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 18.7556 - auc_98:
0.5028 - val_loss: 33.7234 - val_auc_98: 0.4944
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 22.8989 - auc_98:
0.4992 - val_loss: 9.1935 - val_auc_98: 0.5112
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 28.4085 - auc_98:
0.4980 - val_loss: 17.2079 - val_auc_98: 0.5118
Epoch 77/500
267/267 [=====] - 1s 3ms/step - loss: 15.2300 - auc_98:
0.5007 - val_loss: 26.2885 - val_auc_98: 0.4926
Epoch 78/500
267/267 [=====] - 1s 3ms/step - loss: 19.8875 - auc_98:
0.5036 - val_loss: 13.1756 - val_auc_98: 0.5053
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 21.6714 - auc_98:
0.5026 - val_loss: 31.7169 - val_auc_98: 0.4930
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 15.7277 - auc_98:
0.4990 - val_loss: 14.7972 - val_auc_98: 0.5094
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 19.8976 - auc_98:
0.4995 - val_loss: 14.2513 - val_auc_98: 0.4986
Epoch 82/500
267/267 [=====] - 1s 3ms/step - loss: 15.2426 - auc_98:
0.5040 - val_loss: 37.4352 - val_auc_98: 0.5073
Epoch 83/500
267/267 [=====] - 1s 3ms/step - loss: 18.4977 - auc_98:
0.5011 - val_loss: 20.8634 - val_auc_98: 0.5160
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 21.7405 - auc_98:
0.5014 - val_loss: 37.6179 - val_auc_98: 0.4897
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 17.4327 - auc_98:
0.5019 - val_loss: 21.5917 - val_auc_98: 0.4923
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 19.0979 - auc_98:
0.5036 - val_loss: 11.3969 - val_auc_98: 0.4996
Epoch 87/500
267/267 [=====] - 1s 3ms/step - loss: 20.4665 - auc_98:
0.5000 - val_loss: 18.7241 - val_auc_98: 0.4978
Epoch 88/500

267/267 [=====] - 1s 3ms/step - loss: 18.6972 - auc_98:
0.5024 - val_loss: 31.6938 - val_auc_98: 0.4908
Epoch 89/500
267/267 [=====] - 1s 3ms/step - loss: 17.7735 - auc_98:
0.5093 - val_loss: 11.9018 - val_auc_98: 0.5097
Epoch 90/500
267/267 [=====] - 1s 3ms/step - loss: 20.9294 - auc_98:
0.4978 - val_loss: 10.7726 - val_auc_98: 0.5109
Epoch 91/500
267/267 [=====] - 1s 3ms/step - loss: 19.4304 - auc_98:
0.5012 - val_loss: 20.5297 - val_auc_98: 0.4992
Epoch 92/500
267/267 [=====] - 1s 3ms/step - loss: 17.5023 - auc_98:
0.5030 - val_loss: 13.7456 - val_auc_98: 0.4937
Epoch 93/500
267/267 [=====] - 1s 3ms/step - loss: 16.3169 - auc_98:
0.5029 - val_loss: 29.0597 - val_auc_98: 0.4983
Epoch 94/500
267/267 [=====] - 1s 3ms/step - loss: 21.4821 - auc_98:
0.4993 - val_loss: 39.7098 - val_auc_98: 0.5004
Epoch 95/500
267/267 [=====] - 1s 3ms/step - loss: 24.4751 - auc_98:
0.5007 - val_loss: 21.5476 - val_auc_98: 0.5073
Epoch 96/500
267/267 [=====] - 1s 3ms/step - loss: 22.5903 - auc_98:
0.4966 - val_loss: 22.7768 - val_auc_98: 0.4847
Epoch 97/500
267/267 [=====] - 1s 3ms/step - loss: 20.0530 - auc_98:
0.5014 - val_loss: 20.4137 - val_auc_98: 0.5088
Epoch 98/500
267/267 [=====] - 1s 3ms/step - loss: 18.6454 - auc_98:
0.5016 - val_loss: 14.6670 - val_auc_98: 0.4949
Epoch 99/500
267/267 [=====] - 1s 3ms/step - loss: 22.6111 - auc_98:
0.5048 - val_loss: 15.5896 - val_auc_98: 0.5097
Epoch 100/500
267/267 [=====] - 1s 3ms/step - loss: 19.9644 - auc_98:
0.5049 - val_loss: 30.0575 - val_auc_98: 0.5002
Epoch 101/500
267/267 [=====] - 1s 3ms/step - loss: 21.6293 - auc_98:
0.5016 - val_loss: 30.2494 - val_auc_98: 0.5101
Epoch 102/500
267/267 [=====] - 1s 3ms/step - loss: 21.6044 - auc_98:
0.5026 - val_loss: 34.8094 - val_auc_98: 0.4882
Epoch 103/500
267/267 [=====] - 1s 3ms/step - loss: 18.7822 - auc_98:
0.5018 - val_loss: 12.0893 - val_auc_98: 0.5130
Epoch 104/500

267/267 [=====] - 1s 3ms/step - loss: 16.7524 - auc_98:
0.5032 - val_loss: 13.7271 - val_auc_98: 0.4916
Epoch 105/500
267/267 [=====] - 1s 3ms/step - loss: 18.8349 - auc_98:
0.4978 - val_loss: 5.0520 - val_auc_98: 0.5085
Epoch 106/500
267/267 [=====] - 1s 3ms/step - loss: 20.7502 - auc_98:
0.5053 - val_loss: 20.7782 - val_auc_98: 0.5113
Epoch 107/500
267/267 [=====] - 1s 3ms/step - loss: 19.8368 - auc_98:
0.4985 - val_loss: 20.1212 - val_auc_98: 0.5103
Epoch 108/500
267/267 [=====] - 1s 3ms/step - loss: 17.2593 - auc_98:
0.5045 - val_loss: 10.2842 - val_auc_98: 0.5013
Epoch 109/500
267/267 [=====] - 1s 3ms/step - loss: 26.1915 - auc_98:
0.5022 - val_loss: 9.6178 - val_auc_98: 0.5068
Epoch 110/500
267/267 [=====] - 1s 3ms/step - loss: 18.8147 - auc_98:
0.5037 - val_loss: 41.3377 - val_auc_98: 0.4983
Epoch 111/500
267/267 [=====] - 1s 3ms/step - loss: 20.5145 - auc_98:
0.5059 - val_loss: 9.7573 - val_auc_98: 0.4937
Epoch 112/500
267/267 [=====] - 1s 3ms/step - loss: 19.9389 - auc_98:
0.5034 - val_loss: 13.0339 - val_auc_98: 0.5156
Epoch 113/500
267/267 [=====] - 1s 3ms/step - loss: 23.9148 - auc_98:
0.5028 - val_loss: 16.2883 - val_auc_98: 0.5181
Epoch 114/500
267/267 [=====] - 1s 3ms/step - loss: 17.5274 - auc_98:
0.5028 - val_loss: 20.3587 - val_auc_98: 0.5037
Epoch 115/500
267/267 [=====] - 1s 3ms/step - loss: 19.2195 - auc_98:
0.5031 - val_loss: 21.9893 - val_auc_98: 0.4911
Epoch 116/500
267/267 [=====] - 1s 3ms/step - loss: 21.6457 - auc_98:
0.5078 - val_loss: 17.3945 - val_auc_98: 0.5012
Epoch 117/500
267/267 [=====] - 1s 3ms/step - loss: 17.8732 - auc_98:
0.5006 - val_loss: 27.7370 - val_auc_98: 0.5021
Epoch 118/500
267/267 [=====] - 1s 3ms/step - loss: 17.7178 - auc_98:
0.5013 - val_loss: 14.4166 - val_auc_98: 0.5022
Epoch 119/500
267/267 [=====] - 1s 3ms/step - loss: 19.6782 - auc_98:
0.5043 - val_loss: 10.6621 - val_auc_98: 0.4988
Epoch 120/500

267/267 [=====] - 1s 3ms/step - loss: 22.1653 - auc_98:
 0.5013 - val_loss: 17.7001 - val_auc_98: 0.4877
 Epoch 121/500
 267/267 [=====] - 1s 3ms/step - loss: 24.1178 - auc_98:
 0.5045 - val_loss: 41.0604 - val_auc_98: 0.5197
 Epoch 122/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1047 - auc_98:
 0.5042 - val_loss: 23.1769 - val_auc_98: 0.5015
 Epoch 123/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5471 - auc_98:
 0.5036 - val_loss: 7.8260 - val_auc_98: 0.4906
 Epoch 124/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3637 - auc_98:
 0.5067 - val_loss: 30.7899 - val_auc_98: 0.5130
 Epoch 125/500
 267/267 [=====] - 1s 3ms/step - loss: 26.3272 - auc_98:
 0.5007 - val_loss: 28.9302 - val_auc_98: 0.4985
 Epoch 126/500
 267/267 [=====] - 1s 3ms/step - loss: 17.5316 - auc_98:
 0.5027 - val_loss: 25.1000 - val_auc_98: 0.5105
 Epoch 127/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8294 - auc_98:
 0.5042 - val_loss: 9.3385 - val_auc_98: 0.5151
 Epoch 128/500
 267/267 [=====] - 1s 3ms/step - loss: 16.3209 - auc_98:
 0.5023 - val_loss: 7.7487 - val_auc_98: 0.4972
 Epoch 129/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6924 - auc_98:
 0.5029 - val_loss: 46.7949 - val_auc_98: 0.5141
 Epoch 130/500
 267/267 [=====] - 1s 3ms/step - loss: 22.2163 - auc_98:
 0.4997 - val_loss: 36.8659 - val_auc_98: 0.5045
 Epoch 131/500
 267/267 [=====] - 1s 3ms/step - loss: 21.4753 - auc_98:
 0.5012 - val_loss: 25.4645 - val_auc_98: 0.5115
 Epoch 132/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7375 - auc_98:
 0.5037 - val_loss: 20.1899 - val_auc_98: 0.4988
 Epoch 133/500
 267/267 [=====] - 1s 3ms/step - loss: 23.3397 - auc_98:
 0.5017 - val_loss: 17.6587 - val_auc_98: 0.5042
 Epoch 134/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0934 - auc_98:
 0.5000 - val_loss: 13.2021 - val_auc_98: 0.4901
 Epoch 135/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4669 - auc_98:
 0.5008 - val_loss: 14.9511 - val_auc_98: 0.4971
 Epoch 136/500

267/267 [=====] - 1s 3ms/step - loss: 20.8873 - auc_98:
0.5030 - val_loss: 15.2874 - val_auc_98: 0.5069
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 21.9720 - auc_98:
0.5037 - val_loss: 30.7303 - val_auc_98: 0.4936
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 17.8449 - auc_98:
0.4985 - val_loss: 13.3977 - val_auc_98: 0.4978
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 19.5105 - auc_98:
0.5030 - val_loss: 20.2416 - val_auc_98: 0.4959
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 19.7220 - auc_98:
0.5001 - val_loss: 14.8060 - val_auc_98: 0.5137
Epoch 141/500
267/267 [=====] - 1s 3ms/step - loss: 21.3977 - auc_98:
0.5035 - val_loss: 17.2745 - val_auc_98: 0.5105
Epoch 142/500
267/267 [=====] - 1s 3ms/step - loss: 22.3032 - auc_98:
0.5008 - val_loss: 38.6127 - val_auc_98: 0.4897
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 20.8688 - auc_98:
0.5025 - val_loss: 31.4674 - val_auc_98: 0.5059
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 21.8662 - auc_98:
0.4989 - val_loss: 24.9253 - val_auc_98: 0.5123
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 18.6885 - auc_98:
0.5021 - val_loss: 20.3319 - val_auc_98: 0.5166
Epoch 146/500
267/267 [=====] - 1s 3ms/step - loss: 19.2403 - auc_98:
0.5047 - val_loss: 12.4174 - val_auc_98: 0.4933
Epoch 147/500
267/267 [=====] - 1s 3ms/step - loss: 24.0302 - auc_98:
0.5011 - val_loss: 28.4603 - val_auc_98: 0.5055
Epoch 148/500
267/267 [=====] - 1s 3ms/step - loss: 19.5926 - auc_98:
0.5049 - val_loss: 19.0496 - val_auc_98: 0.5026
Epoch 149/500
267/267 [=====] - 1s 3ms/step - loss: 18.3190 - auc_98:
0.5045 - val_loss: 12.5846 - val_auc_98: 0.4978
Epoch 150/500
267/267 [=====] - 1s 3ms/step - loss: 17.9650 - auc_98:
0.4998 - val_loss: 11.7056 - val_auc_98: 0.4980
Epoch 151/500
267/267 [=====] - 1s 3ms/step - loss: 19.0111 - auc_98:
0.5051 - val_loss: 15.8877 - val_auc_98: 0.5089
Epoch 152/500

267/267 [=====] - 1s 3ms/step - loss: 18.7403 - auc_98:
 0.5024 - val_loss: 12.2799 - val_auc_98: 0.5063
 Epoch 153/500
 267/267 [=====] - 1s 3ms/step - loss: 29.1411 - auc_98:
 0.5042 - val_loss: 15.2620 - val_auc_98: 0.5000
 Epoch 154/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0990 - auc_98:
 0.5053 - val_loss: 7.4520 - val_auc_98: 0.4949
 Epoch 155/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6731 - auc_98:
 0.5004 - val_loss: 28.1948 - val_auc_98: 0.4931
 Epoch 156/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8693 - auc_98:
 0.5055 - val_loss: 12.7314 - val_auc_98: 0.4988
 Epoch 157/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9955 - auc_98:
 0.5028 - val_loss: 11.4130 - val_auc_98: 0.5065
 Epoch 158/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2542 - auc_98:
 0.5014 - val_loss: 15.5207 - val_auc_98: 0.5006
 Epoch 159/500
 267/267 [=====] - 1s 3ms/step - loss: 17.5748 - auc_98:
 0.5030 - val_loss: 27.2477 - val_auc_98: 0.5064
 Epoch 160/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4670 - auc_98:
 0.5065 - val_loss: 26.2125 - val_auc_98: 0.4957
 Epoch 161/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1813 - auc_98:
 0.5031 - val_loss: 19.5884 - val_auc_98: 0.5061
 Epoch 162/500
 267/267 [=====] - 1s 3ms/step - loss: 24.1836 - auc_98:
 0.5014 - val_loss: 31.7288 - val_auc_98: 0.5014
 Epoch 163/500
 267/267 [=====] - 1s 3ms/step - loss: 17.2686 - auc_98:
 0.5064 - val_loss: 5.9274 - val_auc_98: 0.5091
 Epoch 164/500
 267/267 [=====] - 1s 3ms/step - loss: 16.9167 - auc_98:
 0.5015 - val_loss: 18.7100 - val_auc_98: 0.5064
 Epoch 165/500
 267/267 [=====] - 1s 3ms/step - loss: 22.6914 - auc_98:
 0.5012 - val_loss: 21.0213 - val_auc_98: 0.5130
 Epoch 166/500
 267/267 [=====] - 1s 3ms/step - loss: 22.3356 - auc_98:
 0.4997 - val_loss: 23.0690 - val_auc_98: 0.5022
 Epoch 167/500
 267/267 [=====] - 1s 3ms/step - loss: 16.2557 - auc_98:
 0.5063 - val_loss: 44.1192 - val_auc_98: 0.4935
 Epoch 168/500

267/267 [=====] - 1s 3ms/step - loss: 17.5868 - auc_98:
0.5031 - val_loss: 13.7371 - val_auc_98: 0.4937
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 20.8640 - auc_98:
0.5024 - val_loss: 38.6052 - val_auc_98: 0.5044
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 20.0055 - auc_98:
0.5016 - val_loss: 9.2006 - val_auc_98: 0.5025
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 20.8962 - auc_98:
0.5035 - val_loss: 29.9883 - val_auc_98: 0.5076
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 18.8990 - auc_98:
0.5015 - val_loss: 30.2171 - val_auc_98: 0.5050
Epoch 173/500
267/267 [=====] - 1s 3ms/step - loss: 22.9747 - auc_98:
0.5061 - val_loss: 15.6713 - val_auc_98: 0.5016
Epoch 174/500
267/267 [=====] - 1s 3ms/step - loss: 20.1293 - auc_98:
0.5064 - val_loss: 20.3197 - val_auc_98: 0.4932
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 20.0921 - auc_98:
0.5002 - val_loss: 13.7064 - val_auc_98: 0.5054
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 21.1415 - auc_98:
0.5040 - val_loss: 18.9504 - val_auc_98: 0.5026
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 19.2502 - auc_98:
0.5054 - val_loss: 17.5059 - val_auc_98: 0.5123
Epoch 178/500
267/267 [=====] - 1s 3ms/step - loss: 21.7854 - auc_98:
0.5003 - val_loss: 20.6552 - val_auc_98: 0.4941
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 17.8128 - auc_98:
0.5034 - val_loss: 24.0718 - val_auc_98: 0.4953
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 19.2746 - auc_98:
0.5071 - val_loss: 5.3770 - val_auc_98: 0.4967
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 20.1125 - auc_98:
0.5044 - val_loss: 31.4658 - val_auc_98: 0.5026
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 18.3543 - auc_98:
0.5047 - val_loss: 10.3839 - val_auc_98: 0.5075
Epoch 183/500
267/267 [=====] - 1s 3ms/step - loss: 19.9359 - auc_98:
0.5056 - val_loss: 11.8589 - val_auc_98: 0.4903
Epoch 184/500

267/267 [=====] - 1s 3ms/step - loss: 20.3528 - auc_98:
 0.4975 - val_loss: 22.2385 - val_auc_98: 0.5093
 Epoch 185/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9827 - auc_98:
 0.5008 - val_loss: 24.4898 - val_auc_98: 0.4919
 Epoch 186/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7847 - auc_98:
 0.5012 - val_loss: 26.3800 - val_auc_98: 0.5011
 Epoch 187/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0891 - auc_98:
 0.5023 - val_loss: 12.6963 - val_auc_98: 0.5099
 Epoch 188/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0205 - auc_98:
 0.5010 - val_loss: 10.7665 - val_auc_98: 0.4955
 Epoch 189/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6445 - auc_98:
 0.5039 - val_loss: 16.7143 - val_auc_98: 0.5076
 Epoch 190/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4533 - auc_98:
 0.5035 - val_loss: 17.5809 - val_auc_98: 0.5071
 Epoch 191/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3862 - auc_98:
 0.5005 - val_loss: 13.5151 - val_auc_98: 0.4975
 Epoch 192/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4373 - auc_98:
 0.5069 - val_loss: 4.9316 - val_auc_98: 0.4968
 Epoch 193/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1364 - auc_98:
 0.5003 - val_loss: 14.7272 - val_auc_98: 0.5100
 Epoch 194/500
 267/267 [=====] - 1s 3ms/step - loss: 17.0786 - auc_98:
 0.5032 - val_loss: 20.6631 - val_auc_98: 0.4936
 Epoch 195/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8406 - auc_98:
 0.5048 - val_loss: 30.2569 - val_auc_98: 0.4970
 Epoch 196/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5900 - auc_98:
 0.5035 - val_loss: 3.4707 - val_auc_98: 0.5096
 Epoch 197/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7005 - auc_98:
 0.5013 - val_loss: 12.1017 - val_auc_98: 0.4997
 Epoch 198/500
 267/267 [=====] - 1s 3ms/step - loss: 20.9048 - auc_98:
 0.5028 - val_loss: 35.0690 - val_auc_98: 0.5064
 Epoch 199/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7588 - auc_98:
 0.5038 - val_loss: 14.6974 - val_auc_98: 0.4889
 Epoch 200/500

267/267 [=====] - 1s 3ms/step - loss: 16.6655 - auc_98:
 0.5029 - val_loss: 18.1170 - val_auc_98: 0.5057
 Epoch 201/500
 267/267 [=====] - 1s 3ms/step - loss: 22.4103 - auc_98:
 0.5021 - val_loss: 7.6713 - val_auc_98: 0.5049
 Epoch 202/500
 267/267 [=====] - 1s 3ms/step - loss: 16.9537 - auc_98:
 0.5049 - val_loss: 16.7627 - val_auc_98: 0.5070
 Epoch 203/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3572 - auc_98:
 0.5047 - val_loss: 11.1096 - val_auc_98: 0.4909
 Epoch 204/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5460 - auc_98:
 0.5039 - val_loss: 21.8232 - val_auc_98: 0.4981
 Epoch 205/500
 267/267 [=====] - 1s 3ms/step - loss: 23.0376 - auc_98:
 0.5027 - val_loss: 21.9574 - val_auc_98: 0.5047
 Epoch 206/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8603 - auc_98:
 0.5033 - val_loss: 26.0084 - val_auc_98: 0.5036
 Epoch 207/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9724 - auc_98:
 0.4999 - val_loss: 25.0047 - val_auc_98: 0.5108
 Epoch 208/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0844 - auc_98:
 0.5017 - val_loss: 7.0804 - val_auc_98: 0.5026
 Epoch 209/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7655 - auc_98:
 0.5026 - val_loss: 6.4104 - val_auc_98: 0.5112
 Epoch 210/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3926 - auc_98:
 0.5040 - val_loss: 23.9691 - val_auc_98: 0.4924
 Epoch 211/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9491 - auc_98:
 0.5011 - val_loss: 10.6386 - val_auc_98: 0.4861
 Epoch 212/500
 267/267 [=====] - 1s 3ms/step - loss: 22.5924 - auc_98:
 0.5047 - val_loss: 9.9206 - val_auc_98: 0.5005
 Epoch 213/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6913 - auc_98:
 0.5025 - val_loss: 33.6493 - val_auc_98: 0.4940
 Epoch 214/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0075 - auc_98:
 0.5033 - val_loss: 12.4861 - val_auc_98: 0.5015
 Epoch 215/500
 267/267 [=====] - 1s 3ms/step - loss: 21.2848 - auc_98:
 0.5019 - val_loss: 14.2827 - val_auc_98: 0.5063
 Epoch 216/500

267/267 [=====] - 1s 3ms/step - loss: 18.4372 - auc_98:
 0.5017 - val_loss: 40.6819 - val_auc_98: 0.4987
 Epoch 217/500
 267/267 [=====] - 1s 3ms/step - loss: 24.7839 - auc_98:
 0.5009 - val_loss: 14.7814 - val_auc_98: 0.5146
 Epoch 218/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6170 - auc_98:
 0.5033 - val_loss: 12.0258 - val_auc_98: 0.5004
 Epoch 219/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3090 - auc_98:
 0.5053 - val_loss: 33.4334 - val_auc_98: 0.5008
 Epoch 220/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5856 - auc_98:
 0.5034 - val_loss: 11.4392 - val_auc_98: 0.5049
 Epoch 221/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9894 - auc_98:
 0.5038 - val_loss: 15.0242 - val_auc_98: 0.4945
 Epoch 222/500
 267/267 [=====] - 1s 3ms/step - loss: 16.2693 - auc_98:
 0.5003 - val_loss: 8.5196 - val_auc_98: 0.5068
 Epoch 223/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7482 - auc_98:
 0.4974 - val_loss: 14.3981 - val_auc_98: 0.5007
 Epoch 224/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0878 - auc_98:
 0.5017 - val_loss: 14.1495 - val_auc_98: 0.5096
 Epoch 225/500
 267/267 [=====] - 1s 3ms/step - loss: 15.3553 - auc_98:
 0.4998 - val_loss: 17.0242 - val_auc_98: 0.5124
 Epoch 226/500
 267/267 [=====] - 1s 3ms/step - loss: 16.7934 - auc_98:
 0.5025 - val_loss: 28.0526 - val_auc_98: 0.4930
 Epoch 227/500
 267/267 [=====] - 1s 3ms/step - loss: 27.3827 - auc_98:
 0.5026 - val_loss: 20.8467 - val_auc_98: 0.5111
 Epoch 228/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1091 - auc_98:
 0.5037 - val_loss: 7.8776 - val_auc_98: 0.5020
 Epoch 229/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1225 - auc_98:
 0.5003 - val_loss: 19.3668 - val_auc_98: 0.5094
 Epoch 230/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2323 - auc_98:
 0.5010 - val_loss: 20.5784 - val_auc_98: 0.5050
 Epoch 231/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6748 - auc_98:
 0.5019 - val_loss: 16.6683 - val_auc_98: 0.5143
 Epoch 232/500

267/267 [=====] - 1s 3ms/step - loss: 18.6181 - auc_98:
 0.5015 - val_loss: 15.9527 - val_auc_98: 0.5043
 Epoch 233/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8755 - auc_98:
 0.4997 - val_loss: 22.4840 - val_auc_98: 0.5052
 Epoch 234/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0125 - auc_98:
 0.5033 - val_loss: 20.8957 - val_auc_98: 0.4924
 Epoch 235/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3977 - auc_98:
 0.5029 - val_loss: 23.2282 - val_auc_98: 0.4965
 Epoch 236/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5978 - auc_98:
 0.5005 - val_loss: 37.4538 - val_auc_98: 0.5107
 Epoch 237/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8107 - auc_98:
 0.5053 - val_loss: 10.5264 - val_auc_98: 0.5149
 Epoch 238/500
 267/267 [=====] - 1s 3ms/step - loss: 23.0215 - auc_98:
 0.5025 - val_loss: 31.6408 - val_auc_98: 0.4846
 Epoch 239/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5028 - auc_98:
 0.5041 - val_loss: 9.9236 - val_auc_98: 0.5018
 Epoch 240/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5126 - auc_98:
 0.5066 - val_loss: 14.9054 - val_auc_98: 0.4962
 Epoch 241/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5952 - auc_98:
 0.5015 - val_loss: 22.6038 - val_auc_98: 0.5040
 Epoch 242/500
 267/267 [=====] - 1s 3ms/step - loss: 22.2212 - auc_98:
 0.5032 - val_loss: 11.9358 - val_auc_98: 0.5033
 Epoch 243/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2060 - auc_98:
 0.5039 - val_loss: 18.4306 - val_auc_98: 0.5086
 Epoch 244/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8536 - auc_98:
 0.5037 - val_loss: 18.1968 - val_auc_98: 0.5003
 Epoch 245/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7812 - auc_98:
 0.5005 - val_loss: 14.8492 - val_auc_98: 0.5055
 Epoch 246/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6223 - auc_98:
 0.5023 - val_loss: 14.5054 - val_auc_98: 0.4941
 Epoch 247/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8170 - auc_98:
 0.5019 - val_loss: 16.4326 - val_auc_98: 0.4973
 Epoch 248/500

267/267 [=====] - 1s 3ms/step - loss: 21.4547 - auc_98:
 0.5012 - val_loss: 30.5436 - val_auc_98: 0.5137
 Epoch 249/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4478 - auc_98:
 0.5025 - val_loss: 17.4035 - val_auc_98: 0.5073
 Epoch 250/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0184 - auc_98:
 0.4989 - val_loss: 7.3903 - val_auc_98: 0.5028
 Epoch 251/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9732 - auc_98:
 0.5027 - val_loss: 23.5730 - val_auc_98: 0.4937
 Epoch 252/500
 267/267 [=====] - 1s 3ms/step - loss: 17.0133 - auc_98:
 0.5047 - val_loss: 26.8770 - val_auc_98: 0.4993
 Epoch 253/500
 267/267 [=====] - 1s 3ms/step - loss: 23.2097 - auc_98:
 0.5024 - val_loss: 11.9949 - val_auc_98: 0.5039
 Epoch 254/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3646 - auc_98:
 0.5031 - val_loss: 18.0607 - val_auc_98: 0.4903
 Epoch 255/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9472 - auc_98:
 0.5050 - val_loss: 21.7539 - val_auc_98: 0.5081
 Epoch 256/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4610 - auc_98:
 0.4995 - val_loss: 23.0972 - val_auc_98: 0.5034
 Epoch 257/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4087 - auc_98:
 0.5003 - val_loss: 24.5800 - val_auc_98: 0.4933
 Epoch 258/500
 267/267 [=====] - 1s 3ms/step - loss: 15.8691 - auc_98:
 0.5032 - val_loss: 22.9760 - val_auc_98: 0.4992
 Epoch 259/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0567 - auc_98:
 0.5016 - val_loss: 24.0550 - val_auc_98: 0.5069
 Epoch 260/500
 267/267 [=====] - 1s 3ms/step - loss: 16.9044 - auc_98:
 0.5003 - val_loss: 21.5033 - val_auc_98: 0.4991
 Epoch 261/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0340 - auc_98:
 0.5020 - val_loss: 19.0094 - val_auc_98: 0.4901
 Epoch 262/500
 267/267 [=====] - 1s 3ms/step - loss: 16.8027 - auc_98:
 0.5031 - val_loss: 67.8680 - val_auc_98: 0.5106
 Epoch 263/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3008 - auc_98:
 0.5057 - val_loss: 22.6121 - val_auc_98: 0.5129
 Epoch 264/500

267/267 [=====] - 1s 3ms/step - loss: 20.3270 - auc_98:
 0.5014 - val_loss: 11.5128 - val_auc_98: 0.5056
 Epoch 265/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1467 - auc_98:
 0.5072 - val_loss: 14.0909 - val_auc_98: 0.5022
 Epoch 266/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9391 - auc_98:
 0.5027 - val_loss: 18.7785 - val_auc_98: 0.5129
 Epoch 267/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1093 - auc_98:
 0.5039 - val_loss: 27.5174 - val_auc_98: 0.5100
 Epoch 268/500
 267/267 [=====] - 1s 3ms/step - loss: 23.6826 - auc_98:
 0.5016 - val_loss: 14.9016 - val_auc_98: 0.5077
 Epoch 269/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8465 - auc_98:
 0.5054 - val_loss: 18.1785 - val_auc_98: 0.5055
 Epoch 270/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5696 - auc_98:
 0.5022 - val_loss: 5.8191 - val_auc_98: 0.4995
 Epoch 271/500
 267/267 [=====] - 1s 3ms/step - loss: 16.8971 - auc_98:
 0.5034 - val_loss: 8.0933 - val_auc_98: 0.5149
 Epoch 272/500
 267/267 [=====] - 1s 3ms/step - loss: 15.6738 - auc_98:
 0.4999 - val_loss: 23.9267 - val_auc_98: 0.4996
 Epoch 273/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2183 - auc_98:
 0.5022 - val_loss: 16.0976 - val_auc_98: 0.5054
 Epoch 274/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8077 - auc_98:
 0.5010 - val_loss: 24.1123 - val_auc_98: 0.4974
 Epoch 275/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2503 - auc_98:
 0.4998 - val_loss: 16.8991 - val_auc_98: 0.5102
 Epoch 276/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3323 - auc_98:
 0.5054 - val_loss: 39.0759 - val_auc_98: 0.4971
 Epoch 277/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0028 - auc_98:
 0.5022 - val_loss: 18.5294 - val_auc_98: 0.5059
 Epoch 278/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3394 - auc_98:
 0.5028 - val_loss: 30.2938 - val_auc_98: 0.5048
 Epoch 279/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5545 - auc_98:
 0.5044 - val_loss: 7.3077 - val_auc_98: 0.5100
 Epoch 280/500

267/267 [=====] - 1s 3ms/step - loss: 20.1419 - auc_98:
 0.5029 - val_loss: 23.7720 - val_auc_98: 0.5014
 Epoch 281/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1419 - auc_98:
 0.5018 - val_loss: 18.9076 - val_auc_98: 0.4874
 Epoch 282/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0202 - auc_98:
 0.5005 - val_loss: 27.2928 - val_auc_98: 0.4901
 Epoch 283/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7436 - auc_98:
 0.5002 - val_loss: 37.4428 - val_auc_98: 0.5032
 Epoch 284/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8942 - auc_98:
 0.5020 - val_loss: 15.2348 - val_auc_98: 0.4927
 Epoch 285/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0635 - auc_98:
 0.5003 - val_loss: 12.8088 - val_auc_98: 0.4910
 Epoch 286/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0224 - auc_98:
 0.5033 - val_loss: 21.9687 - val_auc_98: 0.4898
 Epoch 287/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7444 - auc_98:
 0.5064 - val_loss: 12.8800 - val_auc_98: 0.4906
 Epoch 288/500
 267/267 [=====] - 1s 3ms/step - loss: 23.8220 - auc_98:
 0.4998 - val_loss: 21.6657 - val_auc_98: 0.5042
 Epoch 289/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3230 - auc_98:
 0.5053 - val_loss: 30.1054 - val_auc_98: 0.5085
 Epoch 290/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1982 - auc_98:
 0.5068 - val_loss: 22.9926 - val_auc_98: 0.4988
 Epoch 291/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0080 - auc_98:
 0.5034 - val_loss: 18.4776 - val_auc_98: 0.5117
 Epoch 292/500
 267/267 [=====] - 1s 3ms/step - loss: 20.9055 - auc_98:
 0.5020 - val_loss: 15.4596 - val_auc_98: 0.4967
 Epoch 293/500
 267/267 [=====] - 1s 3ms/step - loss: 20.9334 - auc_98:
 0.5017 - val_loss: 23.6581 - val_auc_98: 0.5041
 Epoch 294/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4895 - auc_98:
 0.5008 - val_loss: 29.5139 - val_auc_98: 0.5029
 Epoch 295/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8415 - auc_98:
 0.5011 - val_loss: 24.0067 - val_auc_98: 0.4976
 Epoch 296/500

267/267 [=====] - 1s 3ms/step - loss: 21.2449 - auc_98:
 0.4989 - val_loss: 19.5713 - val_auc_98: 0.5115
 Epoch 297/500
 267/267 [=====] - 1s 3ms/step - loss: 26.0110 - auc_98:
 0.5010 - val_loss: 5.6743 - val_auc_98: 0.5151
 Epoch 298/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3092 - auc_98:
 0.5031 - val_loss: 38.5667 - val_auc_98: 0.5021
 Epoch 299/500
 267/267 [=====] - 1s 3ms/step - loss: 17.5529 - auc_98:
 0.5068 - val_loss: 20.2450 - val_auc_98: 0.5073
 Epoch 300/500
 267/267 [=====] - 1s 3ms/step - loss: 16.4178 - auc_98:
 0.5027 - val_loss: 18.5352 - val_auc_98: 0.4912
 Epoch 301/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6121 - auc_98:
 0.5040 - val_loss: 9.6988 - val_auc_98: 0.5029
 Epoch 302/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3507 - auc_98:
 0.5007 - val_loss: 13.9851 - val_auc_98: 0.5067
 Epoch 303/500
 267/267 [=====] - 1s 3ms/step - loss: 15.4119 - auc_98:
 0.5051 - val_loss: 24.3884 - val_auc_98: 0.5034
 Epoch 304/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5474 - auc_98:
 0.5017 - val_loss: 21.1155 - val_auc_98: 0.5116
 Epoch 305/500
 267/267 [=====] - 1s 3ms/step - loss: 15.6008 - auc_98:
 0.5038 - val_loss: 14.1029 - val_auc_98: 0.5002
 Epoch 306/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7943 - auc_98:
 0.5014 - val_loss: 15.7244 - val_auc_98: 0.5015
 Epoch 307/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4830 - auc_98:
 0.5028 - val_loss: 34.5411 - val_auc_98: 0.5068
 Epoch 308/500
 267/267 [=====] - 1s 3ms/step - loss: 22.9743 - auc_98:
 0.5006 - val_loss: 6.0949 - val_auc_98: 0.4958
 Epoch 309/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7151 - auc_98:
 0.5062 - val_loss: 9.1894 - val_auc_98: 0.5082
 Epoch 310/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2552 - auc_98:
 0.5044 - val_loss: 6.2886 - val_auc_98: 0.4979
 Epoch 311/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1936 - auc_98:
 0.5032 - val_loss: 17.6458 - val_auc_98: 0.4981
 Epoch 312/500

267/267 [=====] - 1s 3ms/step - loss: 22.2739 - auc_98:
 0.4997 - val_loss: 7.3163 - val_auc_98: 0.5062
 Epoch 313/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7153 - auc_98:
 0.5043 - val_loss: 24.9852 - val_auc_98: 0.5024
 Epoch 314/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2002 - auc_98:
 0.5035 - val_loss: 19.7680 - val_auc_98: 0.5123
 Epoch 315/500
 267/267 [=====] - 1s 3ms/step - loss: 22.2318 - auc_98:
 0.5001 - val_loss: 43.2363 - val_auc_98: 0.5105
 Epoch 316/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7753 - auc_98:
 0.5046 - val_loss: 21.5871 - val_auc_98: 0.5097
 Epoch 317/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0694 - auc_98:
 0.5040 - val_loss: 49.2926 - val_auc_98: 0.4902
 Epoch 318/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8128 - auc_98:
 0.5030 - val_loss: 32.5311 - val_auc_98: 0.5068
 Epoch 319/500
 267/267 [=====] - 1s 3ms/step - loss: 21.7170 - auc_98:
 0.5024 - val_loss: 31.7687 - val_auc_98: 0.5044
 Epoch 320/500
 267/267 [=====] - 1s 3ms/step - loss: 17.1190 - auc_98:
 0.5026 - val_loss: 17.8507 - val_auc_98: 0.5014
 Epoch 321/500
 267/267 [=====] - 1s 3ms/step - loss: 23.3729 - auc_98:
 0.5015 - val_loss: 12.7526 - val_auc_98: 0.5097
 Epoch 322/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2525 - auc_98:
 0.5033 - val_loss: 12.7683 - val_auc_98: 0.4999
 Epoch 323/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6824 - auc_98:
 0.5010 - val_loss: 21.1874 - val_auc_98: 0.5003
 Epoch 324/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1154 - auc_98:
 0.5026 - val_loss: 17.9631 - val_auc_98: 0.5000
 Epoch 325/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1616 - auc_98:
 0.5051 - val_loss: 14.6788 - val_auc_98: 0.4951
 Epoch 326/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2170 - auc_98:
 0.5030 - val_loss: 13.8625 - val_auc_98: 0.4993
 Epoch 327/500
 267/267 [=====] - 1s 3ms/step - loss: 20.9112 - auc_98:
 0.4991 - val_loss: 21.3353 - val_auc_98: 0.4976
 Epoch 328/500

267/267 [=====] - 1s 3ms/step - loss: 19.5621 - auc_98:
 0.5026 - val_loss: 18.1094 - val_auc_98: 0.5051
 Epoch 329/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1082 - auc_98:
 0.5011 - val_loss: 22.1555 - val_auc_98: 0.5037
 Epoch 330/500
 267/267 [=====] - 1s 3ms/step - loss: 25.4973 - auc_98:
 0.4956 - val_loss: 19.3986 - val_auc_98: 0.5093
 Epoch 331/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8567 - auc_98:
 0.5067 - val_loss: 30.6438 - val_auc_98: 0.5086
 Epoch 332/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8357 - auc_98:
 0.5034 - val_loss: 13.3322 - val_auc_98: 0.5080
 Epoch 333/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7771 - auc_98:
 0.5015 - val_loss: 17.3649 - val_auc_98: 0.4961
 Epoch 334/500
 267/267 [=====] - 1s 3ms/step - loss: 22.0474 - auc_98:
 0.5020 - val_loss: 72.3287 - val_auc_98: 0.5104
 Epoch 335/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5350 - auc_98:
 0.5071 - val_loss: 7.0742 - val_auc_98: 0.4947
 Epoch 336/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1627 - auc_98:
 0.5017 - val_loss: 13.4937 - val_auc_98: 0.5096
 Epoch 337/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3633 - auc_98:
 0.5026 - val_loss: 16.6845 - val_auc_98: 0.5057
 Epoch 338/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6830 - auc_98:
 0.5015 - val_loss: 23.2723 - val_auc_98: 0.5139
 Epoch 339/500
 267/267 [=====] - 1s 3ms/step - loss: 16.0919 - auc_98:
 0.5023 - val_loss: 21.9320 - val_auc_98: 0.4918
 Epoch 340/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6281 - auc_98:
 0.5040 - val_loss: 42.2924 - val_auc_98: 0.4938
 Epoch 341/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4331 - auc_98:
 0.5066 - val_loss: 17.3818 - val_auc_98: 0.5037
 Epoch 342/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9114 - auc_98:
 0.4990 - val_loss: 28.3340 - val_auc_98: 0.5093
 Epoch 343/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0505 - auc_98:
 0.5019 - val_loss: 17.7748 - val_auc_98: 0.5089
 Epoch 344/500

267/267 [=====] - 1s 3ms/step - loss: 20.4778 - auc_98:
0.5029 - val_loss: 28.0198 - val_auc_98: 0.5103
Epoch 345/500
267/267 [=====] - 1s 3ms/step - loss: 20.1660 - auc_98:
0.5046 - val_loss: 12.6966 - val_auc_98: 0.5060
Epoch 346/500
267/267 [=====] - 1s 3ms/step - loss: 18.4929 - auc_98:
0.5005 - val_loss: 22.0758 - val_auc_98: 0.4931
Epoch 347/500
267/267 [=====] - 1s 3ms/step - loss: 19.2538 - auc_98:
0.5027 - val_loss: 18.3287 - val_auc_98: 0.4990
Epoch 348/500
267/267 [=====] - 1s 3ms/step - loss: 17.2002 - auc_98:
0.5052 - val_loss: 17.3515 - val_auc_98: 0.5135
Epoch 349/500
267/267 [=====] - 1s 3ms/step - loss: 20.8074 - auc_98:
0.5021 - val_loss: 28.8235 - val_auc_98: 0.5156
Epoch 350/500
267/267 [=====] - 1s 3ms/step - loss: 23.1600 - auc_98:
0.5029 - val_loss: 10.0303 - val_auc_98: 0.5063
Epoch 351/500
267/267 [=====] - 1s 3ms/step - loss: 21.6577 - auc_98:
0.5032 - val_loss: 19.9697 - val_auc_98: 0.4891
Epoch 352/500
267/267 [=====] - 1s 3ms/step - loss: 22.9132 - auc_98:
0.5022 - val_loss: 30.6318 - val_auc_98: 0.5020
Epoch 353/500
267/267 [=====] - 1s 3ms/step - loss: 19.1902 - auc_98:
0.5053 - val_loss: 18.8220 - val_auc_98: 0.4987
Epoch 354/500
267/267 [=====] - 1s 3ms/step - loss: 18.2627 - auc_98:
0.5025 - val_loss: 28.2170 - val_auc_98: 0.4901
Epoch 355/500
267/267 [=====] - 1s 3ms/step - loss: 18.3069 - auc_98:
0.4989 - val_loss: 34.3882 - val_auc_98: 0.4910
Epoch 356/500
267/267 [=====] - 1s 3ms/step - loss: 22.6405 - auc_98:
0.5001 - val_loss: 29.6996 - val_auc_98: 0.5066
Epoch 357/500
267/267 [=====] - 1s 3ms/step - loss: 18.2007 - auc_98:
0.5017 - val_loss: 20.1485 - val_auc_98: 0.5085
Epoch 358/500
267/267 [=====] - 1s 3ms/step - loss: 17.5353 - auc_98:
0.5025 - val_loss: 32.5073 - val_auc_98: 0.5083
Epoch 359/500
267/267 [=====] - 1s 3ms/step - loss: 18.4755 - auc_98:
0.5051 - val_loss: 10.5813 - val_auc_98: 0.5106
Epoch 360/500

267/267 [=====] - 1s 3ms/step - loss: 19.2326 - auc_98:
 0.5023 - val_loss: 20.8778 - val_auc_98: 0.4833
 Epoch 361/500
 267/267 [=====] - 1s 3ms/step - loss: 16.2898 - auc_98:
 0.5028 - val_loss: 19.9082 - val_auc_98: 0.4965
 Epoch 362/500
 267/267 [=====] - 1s 3ms/step - loss: 21.8545 - auc_98:
 0.5057 - val_loss: 43.4113 - val_auc_98: 0.5079
 Epoch 363/500
 267/267 [=====] - 1s 3ms/step - loss: 22.2652 - auc_98:
 0.5048 - val_loss: 12.7726 - val_auc_98: 0.5091
 Epoch 364/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3725 - auc_98:
 0.5024 - val_loss: 13.2064 - val_auc_98: 0.4883
 Epoch 365/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0771 - auc_98:
 0.5016 - val_loss: 23.4991 - val_auc_98: 0.5100
 Epoch 366/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6849 - auc_98:
 0.5049 - val_loss: 33.6302 - val_auc_98: 0.5062
 Epoch 367/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1502 - auc_98:
 0.5043 - val_loss: 23.7821 - val_auc_98: 0.5044
 Epoch 368/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4527 - auc_98:
 0.5018 - val_loss: 4.4168 - val_auc_98: 0.4961
 Epoch 369/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4894 - auc_98:
 0.5038 - val_loss: 12.2596 - val_auc_98: 0.5054
 Epoch 370/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3836 - auc_98:
 0.5032 - val_loss: 22.4009 - val_auc_98: 0.5106
 Epoch 371/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3834 - auc_98:
 0.5021 - val_loss: 19.2862 - val_auc_98: 0.5096
 Epoch 372/500
 267/267 [=====] - 1s 3ms/step - loss: 22.7718 - auc_98:
 0.5047 - val_loss: 9.6205 - val_auc_98: 0.5033
 Epoch 373/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8577 - auc_98:
 0.5012 - val_loss: 12.9095 - val_auc_98: 0.5129
 Epoch 374/500
 267/267 [=====] - 1s 3ms/step - loss: 22.2083 - auc_98:
 0.5062 - val_loss: 37.3806 - val_auc_98: 0.4970
 Epoch 375/500
 267/267 [=====] - 1s 3ms/step - loss: 21.9094 - auc_98:
 0.5022 - val_loss: 10.7129 - val_auc_98: 0.5044
 Epoch 376/500

267/267 [=====] - 1s 3ms/step - loss: 17.5499 - auc_98:
 0.5017 - val_loss: 19.6997 - val_auc_98: 0.4933
 Epoch 377/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9198 - auc_98:
 0.5037 - val_loss: 10.5301 - val_auc_98: 0.5025
 Epoch 378/500
 267/267 [=====] - 1s 3ms/step - loss: 21.2517 - auc_98:
 0.5034 - val_loss: 6.1435 - val_auc_98: 0.5096
 Epoch 379/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2000 - auc_98:
 0.5026 - val_loss: 12.2245 - val_auc_98: 0.5107
 Epoch 380/500
 267/267 [=====] - 1s 3ms/step - loss: 16.6040 - auc_98:
 0.5026 - val_loss: 17.8574 - val_auc_98: 0.4979
 Epoch 381/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7896 - auc_98:
 0.4993 - val_loss: 7.3086 - val_auc_98: 0.5150
 Epoch 382/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1428 - auc_98:
 0.5036 - val_loss: 11.1388 - val_auc_98: 0.4951
 Epoch 383/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8739 - auc_98:
 0.5035 - val_loss: 9.9162 - val_auc_98: 0.4823
 Epoch 384/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1278 - auc_98:
 0.5015 - val_loss: 9.6197 - val_auc_98: 0.4883
 Epoch 385/500
 267/267 [=====] - 1s 3ms/step - loss: 22.7792 - auc_98:
 0.5019 - val_loss: 45.4872 - val_auc_98: 0.5015
 Epoch 386/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4382 - auc_98:
 0.5024 - val_loss: 25.6233 - val_auc_98: 0.4976
 Epoch 387/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2544 - auc_98:
 0.5054 - val_loss: 33.0734 - val_auc_98: 0.5083
 Epoch 388/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1241 - auc_98:
 0.5029 - val_loss: 9.0108 - val_auc_98: 0.5123
 Epoch 389/500
 267/267 [=====] - 1s 3ms/step - loss: 23.6895 - auc_98:
 0.5023 - val_loss: 15.4658 - val_auc_98: 0.4949
 Epoch 390/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7424 - auc_98:
 0.5055 - val_loss: 13.4464 - val_auc_98: 0.5001
 Epoch 391/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4129 - auc_98:
 0.5052 - val_loss: 19.7057 - val_auc_98: 0.4900
 Epoch 392/500

267/267 [=====] - 1s 3ms/step - loss: 19.1780 - auc_98:
 0.5042 - val_loss: 12.1218 - val_auc_98: 0.4952
 Epoch 393/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8032 - auc_98:
 0.5027 - val_loss: 20.4188 - val_auc_98: 0.5016
 Epoch 394/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2536 - auc_98:
 0.5033 - val_loss: 27.9840 - val_auc_98: 0.5043
 Epoch 395/500
 267/267 [=====] - 1s 3ms/step - loss: 25.6232 - auc_98:
 0.4999 - val_loss: 19.9041 - val_auc_98: 0.4916
 Epoch 396/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3172 - auc_98:
 0.4991 - val_loss: 31.7771 - val_auc_98: 0.5154
 Epoch 397/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7806 - auc_98:
 0.5007 - val_loss: 10.6566 - val_auc_98: 0.5066
 Epoch 398/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9398 - auc_98:
 0.5018 - val_loss: 15.9131 - val_auc_98: 0.4871
 Epoch 399/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5600 - auc_98:
 0.5028 - val_loss: 17.9715 - val_auc_98: 0.5003
 Epoch 400/500
 267/267 [=====] - 1s 3ms/step - loss: 23.8204 - auc_98:
 0.5010 - val_loss: 42.2853 - val_auc_98: 0.5181
 Epoch 401/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3216 - auc_98:
 0.5044 - val_loss: 14.9838 - val_auc_98: 0.4956
 Epoch 402/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2619 - auc_98:
 0.5038 - val_loss: 13.0980 - val_auc_98: 0.5092
 Epoch 403/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7927 - auc_98:
 0.5006 - val_loss: 21.8367 - val_auc_98: 0.5127
 Epoch 404/500
 267/267 [=====] - 1s 3ms/step - loss: 22.9038 - auc_98:
 0.5020 - val_loss: 16.1954 - val_auc_98: 0.5036
 Epoch 405/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2604 - auc_98:
 0.5049 - val_loss: 14.6179 - val_auc_98: 0.4981
 Epoch 406/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4035 - auc_98:
 0.5044 - val_loss: 27.6908 - val_auc_98: 0.4913
 Epoch 407/500
 267/267 [=====] - 1s 3ms/step - loss: 25.0817 - auc_98:
 0.5005 - val_loss: 21.9217 - val_auc_98: 0.4957
 Epoch 408/500

267/267 [=====] - 1s 3ms/step - loss: 22.6255 - auc_98:
0.5018 - val_loss: 25.3051 - val_auc_98: 0.4985
Epoch 409/500
267/267 [=====] - 1s 3ms/step - loss: 20.0046 - auc_98:
0.5020 - val_loss: 14.4947 - val_auc_98: 0.4845
Epoch 410/500
267/267 [=====] - 1s 3ms/step - loss: 19.8965 - auc_98:
0.5010 - val_loss: 32.1665 - val_auc_98: 0.5013
Epoch 411/500
267/267 [=====] - 1s 3ms/step - loss: 23.6449 - auc_98:
0.5030 - val_loss: 23.7104 - val_auc_98: 0.5030
Epoch 412/500
267/267 [=====] - 1s 3ms/step - loss: 22.1821 - auc_98:
0.5039 - val_loss: 29.2853 - val_auc_98: 0.5118
Epoch 413/500
267/267 [=====] - 1s 3ms/step - loss: 18.7304 - auc_98:
0.5046 - val_loss: 47.9738 - val_auc_98: 0.5066
Epoch 414/500
267/267 [=====] - 1s 3ms/step - loss: 22.8585 - auc_98:
0.5007 - val_loss: 16.2789 - val_auc_98: 0.5125
Epoch 415/500
267/267 [=====] - 1s 3ms/step - loss: 18.6764 - auc_98:
0.5012 - val_loss: 24.3895 - val_auc_98: 0.4988
Epoch 416/500
267/267 [=====] - 1s 3ms/step - loss: 24.5483 - auc_98:
0.5033 - val_loss: 15.7213 - val_auc_98: 0.4997
Epoch 417/500
267/267 [=====] - 1s 3ms/step - loss: 22.7244 - auc_98:
0.5032 - val_loss: 14.5463 - val_auc_98: 0.5209
Epoch 418/500
267/267 [=====] - 1s 3ms/step - loss: 16.2751 - auc_98:
0.5041 - val_loss: 8.6753 - val_auc_98: 0.4914
Epoch 419/500
267/267 [=====] - 1s 3ms/step - loss: 17.9951 - auc_98:
0.5025 - val_loss: 26.5100 - val_auc_98: 0.4914
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 22.2111 - auc_98:
0.5028 - val_loss: 32.0646 - val_auc_98: 0.4878
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 20.7104 - auc_98:
0.5058 - val_loss: 24.1962 - val_auc_98: 0.5079
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 17.7349 - auc_98:
0.5050 - val_loss: 18.7064 - val_auc_98: 0.4965
Epoch 423/500
267/267 [=====] - 1s 3ms/step - loss: 18.7631 - auc_98:
0.5041 - val_loss: 19.1655 - val_auc_98: 0.5106
Epoch 424/500

267/267 [=====] - 1s 3ms/step - loss: 19.3723 - auc_98:
 0.5013 - val_loss: 29.1283 - val_auc_98: 0.5009
 Epoch 425/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6694 - auc_98:
 0.5013 - val_loss: 15.8435 - val_auc_98: 0.5108
 Epoch 426/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8381 - auc_98:
 0.5053 - val_loss: 19.2283 - val_auc_98: 0.5014
 Epoch 427/500
 267/267 [=====] - 1s 4ms/step - loss: 17.8183 - auc_98:
 0.5057 - val_loss: 9.4763 - val_auc_98: 0.5141
 Epoch 428/500
 267/267 [=====] - 1s 3ms/step - loss: 26.0528 - auc_98:
 0.5002 - val_loss: 32.8572 - val_auc_98: 0.5041
 Epoch 429/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8779 - auc_98:
 0.5000 - val_loss: 35.7207 - val_auc_98: 0.4931
 Epoch 430/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5799 - auc_98:
 0.5035 - val_loss: 16.3797 - val_auc_98: 0.5029
 Epoch 431/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6949 - auc_98:
 0.4990 - val_loss: 24.8074 - val_auc_98: 0.5100
 Epoch 432/500
 267/267 [=====] - 1s 3ms/step - loss: 20.9202 - auc_98:
 0.4995 - val_loss: 14.2791 - val_auc_98: 0.5015
 Epoch 433/500
 267/267 [=====] - 1s 3ms/step - loss: 22.8441 - auc_98:
 0.5030 - val_loss: 16.3805 - val_auc_98: 0.5005
 Epoch 434/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5113 - auc_98:
 0.4996 - val_loss: 11.5991 - val_auc_98: 0.4883
 Epoch 435/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7690 - auc_98:
 0.5039 - val_loss: 15.8406 - val_auc_98: 0.5078
 Epoch 436/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3971 - auc_98:
 0.5021 - val_loss: 11.6389 - val_auc_98: 0.4975
 Epoch 437/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8526 - auc_98:
 0.5037 - val_loss: 25.9564 - val_auc_98: 0.5110
 Epoch 438/500
 267/267 [=====] - 1s 3ms/step - loss: 15.8094 - auc_98:
 0.5047 - val_loss: 21.5119 - val_auc_98: 0.5125
 Epoch 439/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0618 - auc_98:
 0.5042 - val_loss: 14.0518 - val_auc_98: 0.5020
 Epoch 440/500

267/267 [=====] - 1s 3ms/step - loss: 18.0331 - auc_98:
 0.5048 - val_loss: 12.8207 - val_auc_98: 0.5024
 Epoch 441/500
 267/267 [=====] - 1s 3ms/step - loss: 25.0454 - auc_98:
 0.4994 - val_loss: 12.8046 - val_auc_98: 0.5080
 Epoch 442/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8337 - auc_98:
 0.5008 - val_loss: 10.3461 - val_auc_98: 0.5125
 Epoch 443/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5908 - auc_98:
 0.5055 - val_loss: 27.6239 - val_auc_98: 0.4935
 Epoch 444/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1921 - auc_98:
 0.5043 - val_loss: 5.5964 - val_auc_98: 0.5107
 Epoch 445/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8776 - auc_98:
 0.5022 - val_loss: 14.0502 - val_auc_98: 0.5059
 Epoch 446/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0193 - auc_98:
 0.5012 - val_loss: 19.1701 - val_auc_98: 0.4928
 Epoch 447/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4292 - auc_98:
 0.5034 - val_loss: 24.4684 - val_auc_98: 0.4977
 Epoch 448/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7725 - auc_98:
 0.5010 - val_loss: 9.2544 - val_auc_98: 0.4861
 Epoch 449/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9002 - auc_98:
 0.5015 - val_loss: 19.1261 - val_auc_98: 0.5062
 Epoch 450/500
 267/267 [=====] - 1s 3ms/step - loss: 16.9279 - auc_98:
 0.5039 - val_loss: 17.7238 - val_auc_98: 0.4959
 Epoch 451/500
 267/267 [=====] - 1s 3ms/step - loss: 23.8735 - auc_98:
 0.5003 - val_loss: 28.4536 - val_auc_98: 0.4936
 Epoch 452/500
 267/267 [=====] - 1s 3ms/step - loss: 22.0298 - auc_98:
 0.5026 - val_loss: 6.2521 - val_auc_98: 0.5148
 Epoch 453/500
 267/267 [=====] - 1s 3ms/step - loss: 16.3028 - auc_98:
 0.5045 - val_loss: 16.5187 - val_auc_98: 0.4930
 Epoch 454/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6327 - auc_98:
 0.5069 - val_loss: 18.7050 - val_auc_98: 0.4973
 Epoch 455/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1818 - auc_98:
 0.5044 - val_loss: 20.9289 - val_auc_98: 0.5087
 Epoch 456/500

267/267 [=====] - 1s 3ms/step - loss: 20.6017 - auc_98:
 0.5039 - val_loss: 24.1063 - val_auc_98: 0.4947
 Epoch 457/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5994 - auc_98:
 0.5048 - val_loss: 17.2471 - val_auc_98: 0.4986
 Epoch 458/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5605 - auc_98:
 0.5006 - val_loss: 15.4565 - val_auc_98: 0.5002
 Epoch 459/500
 267/267 [=====] - 1s 3ms/step - loss: 17.0481 - auc_98:
 0.5002 - val_loss: 13.5402 - val_auc_98: 0.4976
 Epoch 460/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5567 - auc_98:
 0.5052 - val_loss: 12.7932 - val_auc_98: 0.4962
 Epoch 461/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3763 - auc_98:
 0.5035 - val_loss: 20.8336 - val_auc_98: 0.4944
 Epoch 462/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7745 - auc_98:
 0.5005 - val_loss: 10.3276 - val_auc_98: 0.4962
 Epoch 463/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5215 - auc_98:
 0.5017 - val_loss: 24.1885 - val_auc_98: 0.5031
 Epoch 464/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9580 - auc_98:
 0.5058 - val_loss: 10.0533 - val_auc_98: 0.5031
 Epoch 465/500
 267/267 [=====] - 1s 3ms/step - loss: 21.7606 - auc_98:
 0.5031 - val_loss: 23.4639 - val_auc_98: 0.4955
 Epoch 466/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1005 - auc_98:
 0.5013 - val_loss: 9.1167 - val_auc_98: 0.5146
 Epoch 467/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1265 - auc_98:
 0.5049 - val_loss: 8.0716 - val_auc_98: 0.5033
 Epoch 468/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1626 - auc_98:
 0.5024 - val_loss: 11.9252 - val_auc_98: 0.4978
 Epoch 469/500
 267/267 [=====] - 1s 3ms/step - loss: 22.4901 - auc_98:
 0.4989 - val_loss: 34.2991 - val_auc_98: 0.5045
 Epoch 470/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1216 - auc_98:
 0.5045 - val_loss: 36.6677 - val_auc_98: 0.5027
 Epoch 471/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3840 - auc_98:
 0.5026 - val_loss: 33.8966 - val_auc_98: 0.4971
 Epoch 472/500

267/267 [=====] - 1s 3ms/step - loss: 18.5305 - auc_98:
 0.5032 - val_loss: 27.4401 - val_auc_98: 0.5122
 Epoch 473/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6538 - auc_98:
 0.5041 - val_loss: 10.6933 - val_auc_98: 0.4934
 Epoch 474/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3528 - auc_98:
 0.5024 - val_loss: 14.1338 - val_auc_98: 0.4955
 Epoch 475/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9943 - auc_98:
 0.5023 - val_loss: 26.3769 - val_auc_98: 0.4933
 Epoch 476/500
 267/267 [=====] - 1s 3ms/step - loss: 22.2194 - auc_98:
 0.4986 - val_loss: 18.1908 - val_auc_98: 0.5002
 Epoch 477/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5328 - auc_98:
 0.5057 - val_loss: 18.5426 - val_auc_98: 0.5180
 Epoch 478/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6767 - auc_98:
 0.5017 - val_loss: 18.5449 - val_auc_98: 0.4961
 Epoch 479/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8820 - auc_98:
 0.5031 - val_loss: 17.2300 - val_auc_98: 0.5112
 Epoch 480/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7009 - auc_98:
 0.5043 - val_loss: 13.7163 - val_auc_98: 0.4960
 Epoch 481/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1964 - auc_98:
 0.5039 - val_loss: 39.0389 - val_auc_98: 0.4954
 Epoch 482/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2718 - auc_98:
 0.5051 - val_loss: 13.5357 - val_auc_98: 0.4901
 Epoch 483/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1489 - auc_98:
 0.5010 - val_loss: 31.2717 - val_auc_98: 0.5045
 Epoch 484/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5759 - auc_98:
 0.5004 - val_loss: 33.1025 - val_auc_98: 0.4961
 Epoch 485/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6371 - auc_98:
 0.5015 - val_loss: 15.7064 - val_auc_98: 0.5116
 Epoch 486/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7281 - auc_98:
 0.5031 - val_loss: 8.9109 - val_auc_98: 0.4970
 Epoch 487/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3220 - auc_98:
 0.5001 - val_loss: 17.3437 - val_auc_98: 0.4987
 Epoch 488/500

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267/267 [=====] - 1s 3ms/step - loss: 19.3108 - auc_98:
0.5030 - val_loss: 21.1086 - val_auc_98: 0.4967
Epoch 489/500
267/267 [=====] - 1s 3ms/step - loss: 25.3577 - auc_98:
0.5042 - val_loss: 11.0951 - val_auc_98: 0.4975
Epoch 490/500
267/267 [=====] - 1s 3ms/step - loss: 21.7976 - auc_98:
0.4989 - val_loss: 40.5834 - val_auc_98: 0.5086
Epoch 491/500
267/267 [=====] - 1s 3ms/step - loss: 22.8415 - auc_98:
0.5034 - val_loss: 17.1818 - val_auc_98: 0.4933
Epoch 492/500
267/267 [=====] - 1s 3ms/step - loss: 18.8887 - auc_98:
0.5021 - val_loss: 6.5514 - val_auc_98: 0.4943
Epoch 493/500
267/267 [=====] - 1s 3ms/step - loss: 22.0961 - auc_98:
0.5050 - val_loss: 35.5600 - val_auc_98: 0.5020
Epoch 494/500
267/267 [=====] - 1s 3ms/step - loss: 18.6228 - auc_98:
0.5010 - val_loss: 29.3476 - val_auc_98: 0.5037
Epoch 495/500
267/267 [=====] - 1s 3ms/step - loss: 19.0084 - auc_98:
0.4994 - val_loss: 15.5793 - val_auc_98: 0.4882
Epoch 496/500
267/267 [=====] - 1s 3ms/step - loss: 17.2009 - auc_98:
0.5027 - val_loss: 11.1005 - val_auc_98: 0.5087
Epoch 497/500
267/267 [=====] - 1s 3ms/step - loss: 17.3992 - auc_98:
0.5013 - val_loss: 24.6318 - val_auc_98: 0.5117
Epoch 498/500
267/267 [=====] - 1s 3ms/step - loss: 18.0567 - auc_98:
0.5058 - val_loss: 12.1416 - val_auc_98: 0.4980
Epoch 499/500
267/267 [=====] - 1s 3ms/step - loss: 19.8496 - auc_98:
0.5065 - val_loss: 9.9333 - val_auc_98: 0.5111
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 18.3121 - auc_98:
0.4987 - val_loss: 18.7198 - val_auc_98: 0.5027
625/625 [=====] - 0s 517us/step
[CV] ... epochs=500, learning_rate=0.1, score=0.498, total= 6.5min
[CV] epochs=500, learning_rate=0.1 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 22.4922 - auc_99:
0.5026 - val_loss: 23.0166 - val_auc_99: 0.4925
Epoch 2/500
267/267 [=====] - 1s 3ms/step - loss: 21.2692 - auc_99:
0.4991 - val_loss: 26.1107 - val_auc_99: 0.4870
Epoch 3/500

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267/267 [=====] - 1s 3ms/step - loss: 19.7199 - auc_99:
0.5034 - val_loss: 18.4193 - val_auc_99: 0.5053
Epoch 4/500

267/267 [=====] - 1s 3ms/step - loss: 23.4472 - auc_99:
0.5027 - val_loss: 20.1918 - val_auc_99: 0.4998
Epoch 5/500

267/267 [=====] - 1s 3ms/step - loss: 22.5548 - auc_99:
0.5006 - val_loss: 9.8320 - val_auc_99: 0.5052
Epoch 6/500

267/267 [=====] - 1s 3ms/step - loss: 18.0051 - auc_99:
0.5043 - val_loss: 18.4675 - val_auc_99: 0.5083
Epoch 7/500

267/267 [=====] - 1s 3ms/step - loss: 24.3231 - auc_99:
0.4998 - val_loss: 12.5961 - val_auc_99: 0.5002
Epoch 8/500

267/267 [=====] - 1s 3ms/step - loss: 22.2396 - auc_99:
0.4974 - val_loss: 17.5262 - val_auc_99: 0.4856
Epoch 9/500

267/267 [=====] - 1s 3ms/step - loss: 19.5804 - auc_99:
0.5037 - val_loss: 9.4500 - val_auc_99: 0.4925
Epoch 10/500

267/267 [=====] - 1s 3ms/step - loss: 17.2171 - auc_99:
0.5029 - val_loss: 12.3780 - val_auc_99: 0.5069
Epoch 11/500

267/267 [=====] - 1s 3ms/step - loss: 19.5880 - auc_99:
0.4978 - val_loss: 15.9577 - val_auc_99: 0.5004
Epoch 12/500

267/267 [=====] - 1s 3ms/step - loss: 21.0944 - auc_99:
0.5025 - val_loss: 10.2076 - val_auc_99: 0.4949
Epoch 13/500

267/267 [=====] - 1s 3ms/step - loss: 15.2853 - auc_99:
0.5011 - val_loss: 25.2595 - val_auc_99: 0.5035
Epoch 14/500

267/267 [=====] - 1s 3ms/step - loss: 21.2517 - auc_99:
0.5028 - val_loss: 51.5776 - val_auc_99: 0.5062
Epoch 15/500

267/267 [=====] - 1s 3ms/step - loss: 18.4634 - auc_99:
0.5001 - val_loss: 27.0055 - val_auc_99: 0.4890
Epoch 16/500

267/267 [=====] - 1s 3ms/step - loss: 23.7193 - auc_99:
0.5032 - val_loss: 8.3287 - val_auc_99: 0.5104
Epoch 17/500

267/267 [=====] - 1s 3ms/step - loss: 18.7735 - auc_99:
0.5042 - val_loss: 10.9976 - val_auc_99: 0.4981
Epoch 18/500

267/267 [=====] - 1s 3ms/step - loss: 20.5186 - auc_99:
0.5045 - val_loss: 10.7049 - val_auc_99: 0.5020
Epoch 19/500

267/267 [=====] - 1s 3ms/step - loss: 24.0866 - auc_99:
0.5010 - val_loss: 12.3485 - val_auc_99: 0.5072
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 19.1714 - auc_99:
0.5001 - val_loss: 9.9070 - val_auc_99: 0.4984
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 20.7522 - auc_99:
0.5014 - val_loss: 23.5651 - val_auc_99: 0.4920
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 22.6844 - auc_99:
0.5008 - val_loss: 35.3051 - val_auc_99: 0.4982
Epoch 23/500
267/267 [=====] - 1s 3ms/step - loss: 18.9882 - auc_99:
0.5003 - val_loss: 16.1851 - val_auc_99: 0.5095
Epoch 24/500
267/267 [=====] - 1s 3ms/step - loss: 20.4873 - auc_99:
0.5003 - val_loss: 9.0190 - val_auc_99: 0.4983
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 23.4716 - auc_99:
0.5039 - val_loss: 22.4667 - val_auc_99: 0.5151
Epoch 26/500
267/267 [=====] - 1s 3ms/step - loss: 17.0932 - auc_99:
0.5000 - val_loss: 24.6336 - val_auc_99: 0.5035
Epoch 27/500
267/267 [=====] - 1s 3ms/step - loss: 22.1528 - auc_99:
0.5005 - val_loss: 18.4991 - val_auc_99: 0.5059
Epoch 28/500
267/267 [=====] - 1s 3ms/step - loss: 19.8197 - auc_99:
0.5028 - val_loss: 12.0992 - val_auc_99: 0.5008
Epoch 29/500
267/267 [=====] - 1s 3ms/step - loss: 15.7643 - auc_99:
0.5017 - val_loss: 16.3434 - val_auc_99: 0.4978
Epoch 30/500
267/267 [=====] - 1s 3ms/step - loss: 16.4202 - auc_99:
0.5055 - val_loss: 30.4101 - val_auc_99: 0.4974
Epoch 31/500
267/267 [=====] - 1s 3ms/step - loss: 21.3708 - auc_99:
0.5021 - val_loss: 18.8557 - val_auc_99: 0.5048
Epoch 32/500
267/267 [=====] - 1s 3ms/step - loss: 18.7868 - auc_99:
0.5041 - val_loss: 45.4756 - val_auc_99: 0.4983
Epoch 33/500
267/267 [=====] - 1s 3ms/step - loss: 23.0882 - auc_99:
0.5034 - val_loss: 14.7247 - val_auc_99: 0.4869
Epoch 34/500
267/267 [=====] - 1s 3ms/step - loss: 19.6579 - auc_99:
0.5016 - val_loss: 9.4009 - val_auc_99: 0.5029
Epoch 35/500

267/267 [=====] - 1s 3ms/step - loss: 19.8808 - auc_99:
0.5040 - val_loss: 30.2330 - val_auc_99: 0.4941
Epoch 36/500
267/267 [=====] - 1s 3ms/step - loss: 18.7817 - auc_99:
0.4983 - val_loss: 11.0449 - val_auc_99: 0.5074
Epoch 37/500
267/267 [=====] - 1s 3ms/step - loss: 20.2570 - auc_99:
0.5053 - val_loss: 14.9395 - val_auc_99: 0.4978
Epoch 38/500
267/267 [=====] - 1s 3ms/step - loss: 19.9149 - auc_99:
0.5032 - val_loss: 9.2258 - val_auc_99: 0.5111
Epoch 39/500
267/267 [=====] - 1s 3ms/step - loss: 18.9959 - auc_99:
0.5012 - val_loss: 13.2728 - val_auc_99: 0.4931
Epoch 40/500
267/267 [=====] - 1s 3ms/step - loss: 17.1603 - auc_99:
0.5008 - val_loss: 14.9183 - val_auc_99: 0.5088
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 18.4979 - auc_99:
0.5009 - val_loss: 18.5213 - val_auc_99: 0.5102
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 17.2638 - auc_99:
0.5010 - val_loss: 23.8551 - val_auc_99: 0.4986
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 23.7259 - auc_99:
0.4993 - val_loss: 34.3416 - val_auc_99: 0.5134
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 19.6939 - auc_99:
0.4958 - val_loss: 22.1592 - val_auc_99: 0.4962
Epoch 45/500
267/267 [=====] - 1s 3ms/step - loss: 23.0463 - auc_99:
0.5076 - val_loss: 19.5831 - val_auc_99: 0.5118
Epoch 46/500
267/267 [=====] - 1s 3ms/step - loss: 18.5249 - auc_99:
0.5005 - val_loss: 22.7257 - val_auc_99: 0.4923
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 20.8288 - auc_99:
0.5016 - val_loss: 12.1632 - val_auc_99: 0.5034
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 23.2738 - auc_99:
0.5062 - val_loss: 23.2889 - val_auc_99: 0.5055
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 21.9523 - auc_99:
0.5045 - val_loss: 14.1986 - val_auc_99: 0.4996
Epoch 50/500
267/267 [=====] - 1s 3ms/step - loss: 19.7170 - auc_99:
0.5040 - val_loss: 16.8301 - val_auc_99: 0.5126
Epoch 51/500

267/267 [=====] - 1s 3ms/step - loss: 20.6968 - auc_99:
0.5011 - val_loss: 21.7176 - val_auc_99: 0.4925
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 19.8045 - auc_99:
0.5044 - val_loss: 6.9637 - val_auc_99: 0.5038
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 16.8199 - auc_99:
0.5027 - val_loss: 14.6610 - val_auc_99: 0.4978
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 20.2126 - auc_99:
0.5008 - val_loss: 16.4927 - val_auc_99: 0.5069
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 21.2868 - auc_99:
0.5065 - val_loss: 13.5443 - val_auc_99: 0.4998
Epoch 56/500
267/267 [=====] - 1s 3ms/step - loss: 19.2629 - auc_99:
0.5010 - val_loss: 7.9231 - val_auc_99: 0.4967
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 18.5496 - auc_99:
0.5044 - val_loss: 8.8322 - val_auc_99: 0.4816
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 18.6902 - auc_99:
0.5028 - val_loss: 17.9767 - val_auc_99: 0.4962
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 17.6891 - auc_99:
0.5001 - val_loss: 16.2805 - val_auc_99: 0.5067
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 19.3664 - auc_99:
0.4975 - val_loss: 22.8733 - val_auc_99: 0.5055
Epoch 61/500
267/267 [=====] - 1s 3ms/step - loss: 17.9205 - auc_99:
0.5020 - val_loss: 26.0916 - val_auc_99: 0.5015
Epoch 62/500
267/267 [=====] - 1s 3ms/step - loss: 17.1045 - auc_99:
0.5043 - val_loss: 19.3310 - val_auc_99: 0.5124
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 16.3508 - auc_99:
0.5022 - val_loss: 17.9833 - val_auc_99: 0.4993
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 19.5885 - auc_99:
0.5022 - val_loss: 12.8326 - val_auc_99: 0.4902
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 16.4044 - auc_99:
0.5026 - val_loss: 26.5400 - val_auc_99: 0.5102
Epoch 66/500
267/267 [=====] - 1s 3ms/step - loss: 19.4853 - auc_99:
0.5027 - val_loss: 32.2676 - val_auc_99: 0.5051
Epoch 67/500

267/267 [=====] - 1s 3ms/step - loss: 18.5801 - auc_99:
0.5029 - val_loss: 26.0862 - val_auc_99: 0.4947
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 18.0752 - auc_99:
0.5052 - val_loss: 21.7862 - val_auc_99: 0.5030
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 20.6216 - auc_99:
0.5004 - val_loss: 9.9310 - val_auc_99: 0.4921
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 23.4662 - auc_99:
0.5024 - val_loss: 39.0553 - val_auc_99: 0.5037
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 17.7826 - auc_99:
0.5025 - val_loss: 6.6407 - val_auc_99: 0.5091
Epoch 72/500
267/267 [=====] - 1s 3ms/step - loss: 23.2440 - auc_99:
0.5017 - val_loss: 19.2443 - val_auc_99: 0.4967
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 20.2319 - auc_99:
0.4994 - val_loss: 7.4968 - val_auc_99: 0.4964
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 21.1826 - auc_99:
0.5010 - val_loss: 25.3051 - val_auc_99: 0.5064
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 20.4761 - auc_99:
0.5077 - val_loss: 46.1293 - val_auc_99: 0.5050
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 20.4068 - auc_99:
0.5033 - val_loss: 12.4291 - val_auc_99: 0.5053
Epoch 77/500
267/267 [=====] - 1s 3ms/step - loss: 16.9122 - auc_99:
0.5023 - val_loss: 33.8590 - val_auc_99: 0.4979
Epoch 78/500
267/267 [=====] - 1s 3ms/step - loss: 18.6481 - auc_99:
0.5012 - val_loss: 41.0274 - val_auc_99: 0.5008
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 19.2414 - auc_99:
0.5018 - val_loss: 15.8815 - val_auc_99: 0.5081
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 21.4182 - auc_99:
0.5028 - val_loss: 20.3333 - val_auc_99: 0.5115
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 19.7560 - auc_99:
0.5016 - val_loss: 7.9835 - val_auc_99: 0.5091
Epoch 82/500
267/267 [=====] - 1s 3ms/step - loss: 20.4448 - auc_99:
0.5024 - val_loss: 29.8290 - val_auc_99: 0.5054
Epoch 83/500

267/267 [=====] - 1s 3ms/step - loss: 21.4851 - auc_99:
0.5005 - val_loss: 6.7671 - val_auc_99: 0.5022
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 19.2526 - auc_99:
0.5019 - val_loss: 44.1733 - val_auc_99: 0.5034
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 22.5208 - auc_99:
0.5022 - val_loss: 21.8787 - val_auc_99: 0.5149
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 20.1338 - auc_99:
0.5017 - val_loss: 20.1922 - val_auc_99: 0.5021
Epoch 87/500
267/267 [=====] - 1s 3ms/step - loss: 15.0322 - auc_99:
0.5009 - val_loss: 28.3580 - val_auc_99: 0.4996
Epoch 88/500
267/267 [=====] - 1s 3ms/step - loss: 19.5517 - auc_99:
0.5019 - val_loss: 18.6797 - val_auc_99: 0.5130
Epoch 89/500
267/267 [=====] - 1s 3ms/step - loss: 18.4040 - auc_99:
0.5029 - val_loss: 15.3369 - val_auc_99: 0.4977
Epoch 90/500
267/267 [=====] - 1s 3ms/step - loss: 21.7000 - auc_99:
0.5007 - val_loss: 21.2653 - val_auc_99: 0.4939
Epoch 91/500
267/267 [=====] - 1s 3ms/step - loss: 21.2229 - auc_99:
0.5037 - val_loss: 17.5525 - val_auc_99: 0.5053
Epoch 92/500
267/267 [=====] - 1s 3ms/step - loss: 16.2135 - auc_99:
0.5026 - val_loss: 22.3245 - val_auc_99: 0.5014
Epoch 93/500
267/267 [=====] - 1s 3ms/step - loss: 20.0137 - auc_99:
0.5008 - val_loss: 19.9366 - val_auc_99: 0.5073
Epoch 94/500
267/267 [=====] - 1s 3ms/step - loss: 20.8720 - auc_99:
0.5028 - val_loss: 7.4606 - val_auc_99: 0.5135
Epoch 95/500
267/267 [=====] - 1s 3ms/step - loss: 16.2906 - auc_99:
0.4998 - val_loss: 13.6473 - val_auc_99: 0.5062
Epoch 96/500
267/267 [=====] - 1s 3ms/step - loss: 19.1139 - auc_99:
0.5032 - val_loss: 16.7154 - val_auc_99: 0.5111
Epoch 97/500
267/267 [=====] - 1s 3ms/step - loss: 21.7024 - auc_99:
0.5043 - val_loss: 21.1172 - val_auc_99: 0.5092
Epoch 98/500
267/267 [=====] - 1s 3ms/step - loss: 21.5200 - auc_99:
0.5025 - val_loss: 6.7092 - val_auc_99: 0.4938
Epoch 99/500

267/267 [=====] - 1s 3ms/step - loss: 20.6840 - auc_99:
 0.4998 - val_loss: 10.0644 - val_auc_99: 0.5009
 Epoch 100/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9945 - auc_99:
 0.5022 - val_loss: 7.5833 - val_auc_99: 0.4913
 Epoch 101/500
 267/267 [=====] - 1s 3ms/step - loss: 16.5131 - auc_99:
 0.5038 - val_loss: 28.5829 - val_auc_99: 0.5117
 Epoch 102/500
 267/267 [=====] - 1s 3ms/step - loss: 15.6796 - auc_99:
 0.5033 - val_loss: 18.5940 - val_auc_99: 0.4842
 Epoch 103/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1187 - auc_99:
 0.5000 - val_loss: 52.3309 - val_auc_99: 0.5058
 Epoch 104/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5705 - auc_99:
 0.5023 - val_loss: 47.2755 - val_auc_99: 0.4947
 Epoch 105/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6819 - auc_99:
 0.5047 - val_loss: 10.9507 - val_auc_99: 0.5056
 Epoch 106/500
 267/267 [=====] - 1s 3ms/step - loss: 22.2295 - auc_99:
 0.5007 - val_loss: 13.5735 - val_auc_99: 0.5060
 Epoch 107/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5651 - auc_99:
 0.5014 - val_loss: 20.3569 - val_auc_99: 0.5106
 Epoch 108/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9260 - auc_99:
 0.5008 - val_loss: 25.6662 - val_auc_99: 0.5001
 Epoch 109/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7402 - auc_99:
 0.4999 - val_loss: 4.2352 - val_auc_99: 0.5015
 Epoch 110/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1824 - auc_99:
 0.5014 - val_loss: 19.4188 - val_auc_99: 0.5031
 Epoch 111/500
 267/267 [=====] - 1s 3ms/step - loss: 17.1282 - auc_99:
 0.5052 - val_loss: 34.3928 - val_auc_99: 0.5143
 Epoch 112/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6507 - auc_99:
 0.5059 - val_loss: 15.6742 - val_auc_99: 0.4989
 Epoch 113/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0878 - auc_99:
 0.5046 - val_loss: 36.7361 - val_auc_99: 0.5020
 Epoch 114/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0374 - auc_99:
 0.5014 - val_loss: 26.1623 - val_auc_99: 0.5085
 Epoch 115/500

267/267 [=====] - 1s 3ms/step - loss: 18.3419 - auc_99:
 0.5036 - val_loss: 16.9670 - val_auc_99: 0.5036
 Epoch 116/500
 267/267 [=====] - 1s 3ms/step - loss: 16.4553 - auc_99:
 0.4987 - val_loss: 8.0992 - val_auc_99: 0.4930
 Epoch 117/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3415 - auc_99:
 0.5017 - val_loss: 24.3458 - val_auc_99: 0.4915
 Epoch 118/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2909 - auc_99:
 0.5014 - val_loss: 29.3918 - val_auc_99: 0.5117
 Epoch 119/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9276 - auc_99:
 0.5021 - val_loss: 26.9232 - val_auc_99: 0.4881
 Epoch 120/500
 267/267 [=====] - 1s 3ms/step - loss: 24.3068 - auc_99:
 0.4992 - val_loss: 15.2832 - val_auc_99: 0.5048
 Epoch 121/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4282 - auc_99:
 0.4988 - val_loss: 20.1883 - val_auc_99: 0.4952
 Epoch 122/500
 267/267 [=====] - 1s 3ms/step - loss: 22.5484 - auc_99:
 0.4995 - val_loss: 13.1231 - val_auc_99: 0.5115
 Epoch 123/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6527 - auc_99:
 0.5018 - val_loss: 14.2541 - val_auc_99: 0.5035
 Epoch 124/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6748 - auc_99:
 0.5036 - val_loss: 34.6077 - val_auc_99: 0.4952
 Epoch 125/500
 267/267 [=====] - 1s 3ms/step - loss: 22.5632 - auc_99:
 0.4990 - val_loss: 26.9009 - val_auc_99: 0.4942
 Epoch 126/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7663 - auc_99:
 0.4999 - val_loss: 19.2724 - val_auc_99: 0.4952
 Epoch 127/500
 267/267 [=====] - 1s 3ms/step - loss: 24.4217 - auc_99:
 0.4987 - val_loss: 15.2004 - val_auc_99: 0.5062
 Epoch 128/500
 267/267 [=====] - 1s 3ms/step - loss: 16.9506 - auc_99:
 0.5025 - val_loss: 19.7192 - val_auc_99: 0.5100
 Epoch 129/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2298 - auc_99:
 0.4992 - val_loss: 26.7298 - val_auc_99: 0.4954
 Epoch 130/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3244 - auc_99:
 0.5049 - val_loss: 23.0336 - val_auc_99: 0.4969
 Epoch 131/500

267/267 [=====] - 1s 3ms/step - loss: 22.1043 - auc_99:
0.5025 - val_loss: 8.9505 - val_auc_99: 0.5104
Epoch 132/500
267/267 [=====] - 1s 3ms/step - loss: 19.6883 - auc_99:
0.5028 - val_loss: 20.7546 - val_auc_99: 0.4943
Epoch 133/500
267/267 [=====] - 1s 3ms/step - loss: 18.0576 - auc_99:
0.5025 - val_loss: 21.8385 - val_auc_99: 0.5071
Epoch 134/500
267/267 [=====] - 1s 3ms/step - loss: 19.8043 - auc_99:
0.5029 - val_loss: 5.7439 - val_auc_99: 0.5002
Epoch 135/500
267/267 [=====] - 1s 3ms/step - loss: 18.7488 - auc_99:
0.5045 - val_loss: 18.0835 - val_auc_99: 0.5157
Epoch 136/500
267/267 [=====] - 1s 3ms/step - loss: 21.4852 - auc_99:
0.5036 - val_loss: 14.1942 - val_auc_99: 0.5029
Epoch 137/500
267/267 [=====] - 1s 3ms/step - loss: 23.8063 - auc_99:
0.5040 - val_loss: 26.6143 - val_auc_99: 0.5118
Epoch 138/500
267/267 [=====] - 1s 3ms/step - loss: 20.8073 - auc_99:
0.5043 - val_loss: 9.1081 - val_auc_99: 0.5088
Epoch 139/500
267/267 [=====] - 1s 3ms/step - loss: 18.9306 - auc_99:
0.5034 - val_loss: 10.0938 - val_auc_99: 0.5060
Epoch 140/500
267/267 [=====] - 1s 3ms/step - loss: 22.5291 - auc_99:
0.5039 - val_loss: 15.1079 - val_auc_99: 0.4938
Epoch 141/500
267/267 [=====] - 1s 3ms/step - loss: 21.4225 - auc_99:
0.5050 - val_loss: 13.3952 - val_auc_99: 0.5023
Epoch 142/500
267/267 [=====] - 1s 3ms/step - loss: 17.6858 - auc_99:
0.5037 - val_loss: 10.9699 - val_auc_99: 0.4979
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 20.6318 - auc_99:
0.5041 - val_loss: 16.3980 - val_auc_99: 0.5038
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 22.9413 - auc_99:
0.5025 - val_loss: 21.0025 - val_auc_99: 0.5087
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 19.0201 - auc_99:
0.5014 - val_loss: 18.5633 - val_auc_99: 0.5078
Epoch 146/500
267/267 [=====] - 1s 3ms/step - loss: 21.7059 - auc_99:
0.5038 - val_loss: 12.7880 - val_auc_99: 0.5113
Epoch 147/500

267/267 [=====] - 1s 3ms/step - loss: 19.9575 - auc_99:
0.5010 - val_loss: 17.6184 - val_auc_99: 0.5075
Epoch 148/500
267/267 [=====] - 1s 3ms/step - loss: 24.5485 - auc_99:
0.5044 - val_loss: 27.1535 - val_auc_99: 0.5013
Epoch 149/500
267/267 [=====] - 1s 3ms/step - loss: 20.8962 - auc_99:
0.5032 - val_loss: 26.0515 - val_auc_99: 0.4868
Epoch 150/500
267/267 [=====] - 1s 3ms/step - loss: 21.0760 - auc_99:
0.5012 - val_loss: 14.0297 - val_auc_99: 0.4975
Epoch 151/500
267/267 [=====] - 1s 3ms/step - loss: 20.9884 - auc_99:
0.5038 - val_loss: 17.5936 - val_auc_99: 0.4932
Epoch 152/500
267/267 [=====] - 1s 3ms/step - loss: 19.0685 - auc_99:
0.5038 - val_loss: 20.8649 - val_auc_99: 0.5020
Epoch 153/500
267/267 [=====] - 1s 3ms/step - loss: 19.7645 - auc_99:
0.5016 - val_loss: 16.7555 - val_auc_99: 0.4981
Epoch 154/500
267/267 [=====] - 1s 3ms/step - loss: 18.9901 - auc_99:
0.5030 - val_loss: 26.4696 - val_auc_99: 0.5055
Epoch 155/500
267/267 [=====] - 1s 3ms/step - loss: 21.4343 - auc_99:
0.5030 - val_loss: 15.6004 - val_auc_99: 0.5148
Epoch 156/500
267/267 [=====] - 1s 3ms/step - loss: 18.9425 - auc_99:
0.5022 - val_loss: 29.2359 - val_auc_99: 0.4964
Epoch 157/500
267/267 [=====] - 1s 3ms/step - loss: 21.7511 - auc_99:
0.5021 - val_loss: 13.0827 - val_auc_99: 0.4885
Epoch 158/500
267/267 [=====] - 1s 3ms/step - loss: 19.4077 - auc_99:
0.5000 - val_loss: 17.4518 - val_auc_99: 0.4877
Epoch 159/500
267/267 [=====] - 1s 3ms/step - loss: 19.4596 - auc_99:
0.4985 - val_loss: 12.5324 - val_auc_99: 0.5096
Epoch 160/500
267/267 [=====] - 1s 3ms/step - loss: 17.3791 - auc_99:
0.5001 - val_loss: 25.7108 - val_auc_99: 0.4908
Epoch 161/500
267/267 [=====] - 1s 3ms/step - loss: 18.2254 - auc_99:
0.5035 - val_loss: 22.1181 - val_auc_99: 0.5083
Epoch 162/500
267/267 [=====] - 1s 3ms/step - loss: 19.9182 - auc_99:
0.5003 - val_loss: 36.3025 - val_auc_99: 0.4997
Epoch 163/500

267/267 [=====] - 1s 3ms/step - loss: 20.1274 - auc_99:
 0.5029 - val_loss: 24.8904 - val_auc_99: 0.5028
 Epoch 164/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6665 - auc_99:
 0.5044 - val_loss: 27.8363 - val_auc_99: 0.4930
 Epoch 165/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8571 - auc_99:
 0.5031 - val_loss: 15.9974 - val_auc_99: 0.4924
 Epoch 166/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1465 - auc_99:
 0.4983 - val_loss: 61.7496 - val_auc_99: 0.5064
 Epoch 167/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6332 - auc_99:
 0.5005 - val_loss: 13.4063 - val_auc_99: 0.5143
 Epoch 168/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8439 - auc_99:
 0.5008 - val_loss: 20.9750 - val_auc_99: 0.4959
 Epoch 169/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7086 - auc_99:
 0.5031 - val_loss: 8.8078 - val_auc_99: 0.4976
 Epoch 170/500
 267/267 [=====] - 1s 3ms/step - loss: 21.9375 - auc_99:
 0.5024 - val_loss: 22.3339 - val_auc_99: 0.5049
 Epoch 171/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1344 - auc_99:
 0.5031 - val_loss: 15.4959 - val_auc_99: 0.4956
 Epoch 172/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9808 - auc_99:
 0.5002 - val_loss: 7.7302 - val_auc_99: 0.5089
 Epoch 173/500
 267/267 [=====] - 1s 3ms/step - loss: 16.2792 - auc_99:
 0.5047 - val_loss: 15.1862 - val_auc_99: 0.5104
 Epoch 174/500
 267/267 [=====] - 1s 3ms/step - loss: 21.4499 - auc_99:
 0.5024 - val_loss: 20.4648 - val_auc_99: 0.5038
 Epoch 175/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3606 - auc_99:
 0.4990 - val_loss: 31.6662 - val_auc_99: 0.5001
 Epoch 176/500
 267/267 [=====] - 1s 3ms/step - loss: 23.9102 - auc_99:
 0.5040 - val_loss: 21.8848 - val_auc_99: 0.4908
 Epoch 177/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7856 - auc_99:
 0.5025 - val_loss: 19.5903 - val_auc_99: 0.4935
 Epoch 178/500
 267/267 [=====] - 1s 3ms/step - loss: 16.1529 - auc_99:
 0.5046 - val_loss: 21.0353 - val_auc_99: 0.4872
 Epoch 179/500

267/267 [=====] - 1s 3ms/step - loss: 20.4714 - auc_99:
 0.5040 - val_loss: 8.6794 - val_auc_99: 0.5028
 Epoch 180/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1040 - auc_99:
 0.4982 - val_loss: 20.6684 - val_auc_99: 0.5076
 Epoch 181/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7449 - auc_99:
 0.5031 - val_loss: 8.6142 - val_auc_99: 0.5097
 Epoch 182/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5433 - auc_99:
 0.5036 - val_loss: 39.5047 - val_auc_99: 0.4912
 Epoch 183/500
 267/267 [=====] - 1s 3ms/step - loss: 23.4607 - auc_99:
 0.4968 - val_loss: 15.8237 - val_auc_99: 0.5013
 Epoch 184/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2183 - auc_99:
 0.5035 - val_loss: 28.7423 - val_auc_99: 0.4992
 Epoch 185/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1376 - auc_99:
 0.5084 - val_loss: 24.5156 - val_auc_99: 0.5075
 Epoch 186/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0947 - auc_99:
 0.5037 - val_loss: 19.4172 - val_auc_99: 0.5025
 Epoch 187/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8563 - auc_99:
 0.5037 - val_loss: 6.0436 - val_auc_99: 0.4893
 Epoch 188/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3675 - auc_99:
 0.5022 - val_loss: 10.3334 - val_auc_99: 0.4950
 Epoch 189/500
 267/267 [=====] - 1s 3ms/step - loss: 22.0319 - auc_99:
 0.5039 - val_loss: 9.0873 - val_auc_99: 0.5006
 Epoch 190/500
 267/267 [=====] - 1s 3ms/step - loss: 22.8127 - auc_99:
 0.5063 - val_loss: 24.1367 - val_auc_99: 0.5027
 Epoch 191/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1117 - auc_99:
 0.5019 - val_loss: 17.7842 - val_auc_99: 0.5074
 Epoch 192/500
 267/267 [=====] - 1s 3ms/step - loss: 16.9632 - auc_99:
 0.5031 - val_loss: 6.1082 - val_auc_99: 0.4933
 Epoch 193/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4890 - auc_99:
 0.5043 - val_loss: 23.4263 - val_auc_99: 0.5091
 Epoch 194/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1628 - auc_99:
 0.5037 - val_loss: 27.1411 - val_auc_99: 0.4988
 Epoch 195/500

267/267 [=====] - 1s 3ms/step - loss: 19.3026 - auc_99:
 0.5046 - val_loss: 16.8056 - val_auc_99: 0.4868
 Epoch 196/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7740 - auc_99:
 0.5026 - val_loss: 11.1596 - val_auc_99: 0.5088
 Epoch 197/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0965 - auc_99:
 0.5031 - val_loss: 10.0197 - val_auc_99: 0.4963
 Epoch 198/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2111 - auc_99:
 0.5067 - val_loss: 11.3162 - val_auc_99: 0.5154
 Epoch 199/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0327 - auc_99:
 0.5062 - val_loss: 21.7694 - val_auc_99: 0.5089
 Epoch 200/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7318 - auc_99:
 0.5009 - val_loss: 10.6406 - val_auc_99: 0.5058
 Epoch 201/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7531 - auc_99:
 0.5018 - val_loss: 12.8444 - val_auc_99: 0.4930
 Epoch 202/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7433 - auc_99:
 0.5031 - val_loss: 15.1356 - val_auc_99: 0.5091
 Epoch 203/500
 267/267 [=====] - 1s 3ms/step - loss: 21.2042 - auc_99:
 0.5053 - val_loss: 30.9452 - val_auc_99: 0.4968
 Epoch 204/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4328 - auc_99:
 0.4999 - val_loss: 10.7008 - val_auc_99: 0.5058
 Epoch 205/500
 267/267 [=====] - 1s 3ms/step - loss: 22.0356 - auc_99:
 0.5007 - val_loss: 25.0878 - val_auc_99: 0.5018
 Epoch 206/500
 267/267 [=====] - 1s 3ms/step - loss: 23.0348 - auc_99:
 0.5028 - val_loss: 21.3784 - val_auc_99: 0.4959
 Epoch 207/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3718 - auc_99:
 0.5020 - val_loss: 22.2375 - val_auc_99: 0.4907
 Epoch 208/500
 267/267 [=====] - 1s 3ms/step - loss: 17.1443 - auc_99:
 0.5066 - val_loss: 11.4807 - val_auc_99: 0.4997
 Epoch 209/500
 267/267 [=====] - 1s 3ms/step - loss: 16.5577 - auc_99:
 0.5024 - val_loss: 13.9052 - val_auc_99: 0.5071
 Epoch 210/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1982 - auc_99:
 0.5023 - val_loss: 21.6029 - val_auc_99: 0.4907
 Epoch 211/500

267/267 [=====] - 1s 3ms/step - loss: 22.9773 - auc_99:
0.5010 - val_loss: 10.8238 - val_auc_99: 0.5095
Epoch 212/500
267/267 [=====] - 1s 3ms/step - loss: 20.3277 - auc_99:
0.4981 - val_loss: 11.8678 - val_auc_99: 0.4956
Epoch 213/500
267/267 [=====] - 1s 3ms/step - loss: 20.0875 - auc_99:
0.5030 - val_loss: 6.9746 - val_auc_99: 0.5009
Epoch 214/500
267/267 [=====] - 1s 3ms/step - loss: 18.9882 - auc_99:
0.5043 - val_loss: 17.2193 - val_auc_99: 0.5075
Epoch 215/500
267/267 [=====] - 1s 3ms/step - loss: 17.1142 - auc_99:
0.5069 - val_loss: 5.7530 - val_auc_99: 0.5044
Epoch 216/500
267/267 [=====] - 1s 3ms/step - loss: 16.4297 - auc_99:
0.5021 - val_loss: 25.5507 - val_auc_99: 0.4924
Epoch 217/500
267/267 [=====] - 1s 3ms/step - loss: 18.3319 - auc_99:
0.5019 - val_loss: 19.0322 - val_auc_99: 0.5032
Epoch 218/500
267/267 [=====] - 1s 3ms/step - loss: 20.4282 - auc_99:
0.5025 - val_loss: 20.4280 - val_auc_99: 0.5079
Epoch 219/500
267/267 [=====] - 1s 3ms/step - loss: 18.3133 - auc_99:
0.5052 - val_loss: 10.6513 - val_auc_99: 0.4880
Epoch 220/500
267/267 [=====] - 1s 3ms/step - loss: 24.9384 - auc_99:
0.5004 - val_loss: 32.5286 - val_auc_99: 0.5052
Epoch 221/500
267/267 [=====] - 1s 3ms/step - loss: 21.8051 - auc_99:
0.5029 - val_loss: 8.7922 - val_auc_99: 0.5125
Epoch 222/500
267/267 [=====] - 1s 3ms/step - loss: 19.6690 - auc_99:
0.5006 - val_loss: 6.7236 - val_auc_99: 0.5094
Epoch 223/500
267/267 [=====] - 1s 3ms/step - loss: 19.5082 - auc_99:
0.5036 - val_loss: 10.8758 - val_auc_99: 0.5039
Epoch 224/500
267/267 [=====] - 1s 3ms/step - loss: 18.3801 - auc_99:
0.5018 - val_loss: 30.3651 - val_auc_99: 0.5007
Epoch 225/500
267/267 [=====] - 1s 3ms/step - loss: 23.0023 - auc_99:
0.5013 - val_loss: 23.8783 - val_auc_99: 0.5154
Epoch 226/500
267/267 [=====] - 1s 3ms/step - loss: 21.1276 - auc_99:
0.5031 - val_loss: 22.0517 - val_auc_99: 0.5024
Epoch 227/500

267/267 [=====] - 1s 3ms/step - loss: 19.3575 - auc_99:
 0.5029 - val_loss: 15.7889 - val_auc_99: 0.5019
 Epoch 228/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8953 - auc_99:
 0.5012 - val_loss: 25.1656 - val_auc_99: 0.5118
 Epoch 229/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3097 - auc_99:
 0.5019 - val_loss: 20.7719 - val_auc_99: 0.5042
 Epoch 230/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3639 - auc_99:
 0.5017 - val_loss: 17.1762 - val_auc_99: 0.5001
 Epoch 231/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1367 - auc_99:
 0.5040 - val_loss: 34.0426 - val_auc_99: 0.5068
 Epoch 232/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6781 - auc_99:
 0.5007 - val_loss: 38.8656 - val_auc_99: 0.5046
 Epoch 233/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8029 - auc_99:
 0.5039 - val_loss: 40.7572 - val_auc_99: 0.4894
 Epoch 234/500
 267/267 [=====] - 1s 3ms/step - loss: 22.4800 - auc_99:
 0.5012 - val_loss: 24.2210 - val_auc_99: 0.5071
 Epoch 235/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6483 - auc_99:
 0.5006 - val_loss: 23.4104 - val_auc_99: 0.4965
 Epoch 236/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7840 - auc_99:
 0.5017 - val_loss: 19.3382 - val_auc_99: 0.5019
 Epoch 237/500
 267/267 [=====] - 1s 3ms/step - loss: 16.8297 - auc_99:
 0.5027 - val_loss: 37.9666 - val_auc_99: 0.5007
 Epoch 238/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9834 - auc_99:
 0.4993 - val_loss: 21.3999 - val_auc_99: 0.5008
 Epoch 239/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1382 - auc_99:
 0.5042 - val_loss: 26.9358 - val_auc_99: 0.5060
 Epoch 240/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3751 - auc_99:
 0.5013 - val_loss: 14.0462 - val_auc_99: 0.4950
 Epoch 241/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1939 - auc_99:
 0.5011 - val_loss: 22.2057 - val_auc_99: 0.5030
 Epoch 242/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9502 - auc_99:
 0.5034 - val_loss: 14.0016 - val_auc_99: 0.4880
 Epoch 243/500

267/267 [=====] - 1s 3ms/step - loss: 16.9203 - auc_99:
0.4986 - val_loss: 5.7272 - val_auc_99: 0.4955
Epoch 244/500
267/267 [=====] - 1s 3ms/step - loss: 19.3951 - auc_99:
0.5020 - val_loss: 20.7375 - val_auc_99: 0.5053
Epoch 245/500
267/267 [=====] - 1s 3ms/step - loss: 17.2428 - auc_99:
0.5028 - val_loss: 16.8744 - val_auc_99: 0.5057
Epoch 246/500
267/267 [=====] - 1s 3ms/step - loss: 18.5926 - auc_99:
0.5085 - val_loss: 39.1730 - val_auc_99: 0.5010
Epoch 247/500
267/267 [=====] - 1s 3ms/step - loss: 22.6267 - auc_99:
0.5025 - val_loss: 31.7156 - val_auc_99: 0.5025
Epoch 248/500
267/267 [=====] - 1s 3ms/step - loss: 22.9737 - auc_99:
0.4997 - val_loss: 28.3698 - val_auc_99: 0.4953
Epoch 249/500
267/267 [=====] - 1s 3ms/step - loss: 23.1513 - auc_99:
0.4995 - val_loss: 11.2365 - val_auc_99: 0.5102
Epoch 250/500
267/267 [=====] - 1s 3ms/step - loss: 17.7209 - auc_99:
0.5052 - val_loss: 19.8075 - val_auc_99: 0.5115
Epoch 251/500
267/267 [=====] - 1s 3ms/step - loss: 20.6091 - auc_99:
0.5034 - val_loss: 8.5363 - val_auc_99: 0.5048
Epoch 252/500
267/267 [=====] - 1s 3ms/step - loss: 21.6153 - auc_99:
0.5017 - val_loss: 20.3754 - val_auc_99: 0.5063
Epoch 253/500
267/267 [=====] - 1s 3ms/step - loss: 20.4222 - auc_99:
0.5023 - val_loss: 17.9238 - val_auc_99: 0.4912
Epoch 254/500
267/267 [=====] - 1s 3ms/step - loss: 18.5851 - auc_99:
0.5055 - val_loss: 7.7539 - val_auc_99: 0.5037
Epoch 255/500
267/267 [=====] - 1s 3ms/step - loss: 19.5592 - auc_99:
0.5036 - val_loss: 18.9591 - val_auc_99: 0.5082
Epoch 256/500
267/267 [=====] - 1s 3ms/step - loss: 18.5016 - auc_99:
0.5037 - val_loss: 18.8780 - val_auc_99: 0.5038
Epoch 257/500
267/267 [=====] - 1s 3ms/step - loss: 19.0649 - auc_99:
0.5008 - val_loss: 21.1769 - val_auc_99: 0.5143
Epoch 258/500
267/267 [=====] - 1s 3ms/step - loss: 22.0279 - auc_99:
0.4988 - val_loss: 11.1719 - val_auc_99: 0.4895
Epoch 259/500

267/267 [=====] - 1s 3ms/step - loss: 21.4838 - auc_99:
0.5029 - val_loss: 28.5939 - val_auc_99: 0.5081
Epoch 260/500
267/267 [=====] - 1s 3ms/step - loss: 18.8757 - auc_99:
0.5017 - val_loss: 12.7660 - val_auc_99: 0.4983
Epoch 261/500
267/267 [=====] - 1s 3ms/step - loss: 19.6885 - auc_99:
0.5008 - val_loss: 15.3725 - val_auc_99: 0.5052
Epoch 262/500
267/267 [=====] - 1s 3ms/step - loss: 16.7842 - auc_99:
0.4998 - val_loss: 18.9599 - val_auc_99: 0.5117
Epoch 263/500
267/267 [=====] - 1s 3ms/step - loss: 17.4602 - auc_99:
0.5012 - val_loss: 28.8070 - val_auc_99: 0.5051
Epoch 264/500
267/267 [=====] - 1s 3ms/step - loss: 21.1010 - auc_99:
0.5027 - val_loss: 8.3442 - val_auc_99: 0.5109
Epoch 265/500
267/267 [=====] - 1s 3ms/step - loss: 19.1034 - auc_99:
0.5012 - val_loss: 31.6148 - val_auc_99: 0.5087
Epoch 266/500
267/267 [=====] - 1s 3ms/step - loss: 19.3581 - auc_99:
0.5044 - val_loss: 41.0478 - val_auc_99: 0.5042
Epoch 267/500
267/267 [=====] - 1s 3ms/step - loss: 21.6901 - auc_99:
0.5000 - val_loss: 22.2170 - val_auc_99: 0.5029
Epoch 268/500
267/267 [=====] - 1s 3ms/step - loss: 21.0915 - auc_99:
0.5079 - val_loss: 25.6068 - val_auc_99: 0.5094
Epoch 269/500
267/267 [=====] - 1s 3ms/step - loss: 18.8494 - auc_99:
0.5003 - val_loss: 21.1546 - val_auc_99: 0.5010
Epoch 270/500
267/267 [=====] - 1s 3ms/step - loss: 19.0347 - auc_99:
0.5032 - val_loss: 28.0861 - val_auc_99: 0.5049
Epoch 271/500
267/267 [=====] - 1s 3ms/step - loss: 17.8021 - auc_99:
0.5011 - val_loss: 15.7495 - val_auc_99: 0.5019
Epoch 272/500
267/267 [=====] - 1s 3ms/step - loss: 19.6653 - auc_99:
0.5024 - val_loss: 28.3452 - val_auc_99: 0.4940
Epoch 273/500
267/267 [=====] - 1s 3ms/step - loss: 18.7036 - auc_99:
0.5003 - val_loss: 9.2112 - val_auc_99: 0.4941
Epoch 274/500
267/267 [=====] - 1s 3ms/step - loss: 17.6965 - auc_99:
0.5035 - val_loss: 27.0723 - val_auc_99: 0.4994
Epoch 275/500

267/267 [=====] - 1s 3ms/step - loss: 16.8813 - auc_99:
 0.5079 - val_loss: 22.0961 - val_auc_99: 0.4991
 Epoch 276/500
 267/267 [=====] - 1s 3ms/step - loss: 25.6709 - auc_99:
 0.5019 - val_loss: 28.6446 - val_auc_99: 0.5036
 Epoch 277/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2612 - auc_99:
 0.5019 - val_loss: 26.8952 - val_auc_99: 0.4961
 Epoch 278/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0320 - auc_99:
 0.5043 - val_loss: 35.9380 - val_auc_99: 0.5024
 Epoch 279/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1642 - auc_99:
 0.5047 - val_loss: 44.1432 - val_auc_99: 0.5002
 Epoch 280/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8219 - auc_99:
 0.5032 - val_loss: 30.7477 - val_auc_99: 0.5005
 Epoch 281/500
 267/267 [=====] - 1s 3ms/step - loss: 22.8447 - auc_99:
 0.5012 - val_loss: 6.7264 - val_auc_99: 0.5062
 Epoch 282/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4442 - auc_99:
 0.5032 - val_loss: 17.8243 - val_auc_99: 0.5119
 Epoch 283/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6802 - auc_99:
 0.5030 - val_loss: 18.3350 - val_auc_99: 0.4860
 Epoch 284/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3690 - auc_99:
 0.4998 - val_loss: 16.0829 - val_auc_99: 0.4908
 Epoch 285/500
 267/267 [=====] - 1s 3ms/step - loss: 20.8450 - auc_99:
 0.4980 - val_loss: 37.3687 - val_auc_99: 0.5082
 Epoch 286/500
 267/267 [=====] - 1s 3ms/step - loss: 24.7782 - auc_99:
 0.4984 - val_loss: 13.7502 - val_auc_99: 0.5002
 Epoch 287/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2612 - auc_99:
 0.5015 - val_loss: 9.2963 - val_auc_99: 0.5034
 Epoch 288/500
 267/267 [=====] - 1s 3ms/step - loss: 23.7761 - auc_99:
 0.5010 - val_loss: 28.7898 - val_auc_99: 0.4906
 Epoch 289/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5713 - auc_99:
 0.5026 - val_loss: 12.6505 - val_auc_99: 0.5079
 Epoch 290/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5676 - auc_99:
 0.5056 - val_loss: 16.8927 - val_auc_99: 0.5008
 Epoch 291/500

267/267 [=====] - 1s 3ms/step - loss: 19.0720 - auc_99:
0.5023 - val_loss: 10.7599 - val_auc_99: 0.5180
Epoch 292/500
267/267 [=====] - 1s 3ms/step - loss: 18.6197 - auc_99:
0.5026 - val_loss: 20.0670 - val_auc_99: 0.4976
Epoch 293/500
267/267 [=====] - 1s 3ms/step - loss: 23.8349 - auc_99:
0.5008 - val_loss: 11.1776 - val_auc_99: 0.5086
Epoch 294/500
267/267 [=====] - 1s 3ms/step - loss: 20.8317 - auc_99:
0.5013 - val_loss: 16.9418 - val_auc_99: 0.4873
Epoch 295/500
267/267 [=====] - 1s 3ms/step - loss: 19.4383 - auc_99:
0.4995 - val_loss: 38.4297 - val_auc_99: 0.5034
Epoch 296/500
267/267 [=====] - 1s 3ms/step - loss: 20.2422 - auc_99:
0.5028 - val_loss: 11.5285 - val_auc_99: 0.4968
Epoch 297/500
267/267 [=====] - 1s 3ms/step - loss: 21.8543 - auc_99:
0.4996 - val_loss: 13.0340 - val_auc_99: 0.5015
Epoch 298/500
267/267 [=====] - 1s 3ms/step - loss: 19.9092 - auc_99:
0.5022 - val_loss: 25.3384 - val_auc_99: 0.5084
Epoch 299/500
267/267 [=====] - 1s 3ms/step - loss: 22.4676 - auc_99:
0.5060 - val_loss: 14.0256 - val_auc_99: 0.5025
Epoch 300/500
267/267 [=====] - 1s 3ms/step - loss: 21.5397 - auc_99:
0.5032 - val_loss: 16.3713 - val_auc_99: 0.4822
Epoch 301/500
267/267 [=====] - 1s 3ms/step - loss: 20.0659 - auc_99:
0.5033 - val_loss: 14.4999 - val_auc_99: 0.4929
Epoch 302/500
267/267 [=====] - 1s 3ms/step - loss: 20.8519 - auc_99:
0.4981 - val_loss: 8.3921 - val_auc_99: 0.4917
Epoch 303/500
267/267 [=====] - 1s 3ms/step - loss: 16.1193 - auc_99:
0.5008 - val_loss: 28.9937 - val_auc_99: 0.5026
Epoch 304/500
267/267 [=====] - 1s 3ms/step - loss: 21.1669 - auc_99:
0.5034 - val_loss: 34.2652 - val_auc_99: 0.5096
Epoch 305/500
267/267 [=====] - 1s 3ms/step - loss: 18.9978 - auc_99:
0.4991 - val_loss: 15.4346 - val_auc_99: 0.4916
Epoch 306/500
267/267 [=====] - 1s 3ms/step - loss: 15.7506 - auc_99:
0.5016 - val_loss: 21.8689 - val_auc_99: 0.4927
Epoch 307/500

267/267 [=====] - 1s 3ms/step - loss: 19.8399 - auc_99:
 0.5017 - val_loss: 8.4770 - val_auc_99: 0.4891
 Epoch 308/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3745 - auc_99:
 0.5030 - val_loss: 7.6686 - val_auc_99: 0.5034
 Epoch 309/500
 267/267 [=====] - 1s 3ms/step - loss: 14.0217 - auc_99:
 0.5035 - val_loss: 10.9614 - val_auc_99: 0.4942
 Epoch 310/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8123 - auc_99:
 0.5036 - val_loss: 8.2963 - val_auc_99: 0.5012
 Epoch 311/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5041 - auc_99:
 0.5016 - val_loss: 14.8161 - val_auc_99: 0.5009
 Epoch 312/500
 267/267 [=====] - 1s 3ms/step - loss: 21.4417 - auc_99:
 0.5017 - val_loss: 15.7330 - val_auc_99: 0.4953
 Epoch 313/500
 267/267 [=====] - 1s 3ms/step - loss: 22.3151 - auc_99:
 0.5025 - val_loss: 20.0588 - val_auc_99: 0.5132
 Epoch 314/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2555 - auc_99:
 0.5004 - val_loss: 20.5912 - val_auc_99: 0.5102
 Epoch 315/500
 267/267 [=====] - 1s 3ms/step - loss: 22.8974 - auc_99:
 0.5022 - val_loss: 10.6064 - val_auc_99: 0.5009
 Epoch 316/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4995 - auc_99:
 0.5033 - val_loss: 6.9238 - val_auc_99: 0.5028
 Epoch 317/500
 267/267 [=====] - 1s 3ms/step - loss: 16.3321 - auc_99:
 0.5048 - val_loss: 19.0846 - val_auc_99: 0.5087
 Epoch 318/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9908 - auc_99:
 0.5026 - val_loss: 41.8052 - val_auc_99: 0.5076
 Epoch 319/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3658 - auc_99:
 0.4993 - val_loss: 60.8934 - val_auc_99: 0.5102
 Epoch 320/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3186 - auc_99:
 0.4996 - val_loss: 23.9855 - val_auc_99: 0.5085
 Epoch 321/500
 267/267 [=====] - 1s 3ms/step - loss: 16.6439 - auc_99:
 0.5054 - val_loss: 16.4133 - val_auc_99: 0.4972
 Epoch 322/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1412 - auc_99:
 0.5037 - val_loss: 19.1577 - val_auc_99: 0.4960
 Epoch 323/500

267/267 [=====] - 1s 3ms/step - loss: 19.5720 - auc_99:
0.5034 - val_loss: 8.8256 - val_auc_99: 0.5036
Epoch 324/500
267/267 [=====] - 1s 3ms/step - loss: 17.3315 - auc_99:
0.4987 - val_loss: 24.9271 - val_auc_99: 0.5084
Epoch 325/500
267/267 [=====] - 1s 3ms/step - loss: 21.1429 - auc_99:
0.5019 - val_loss: 15.9323 - val_auc_99: 0.5069
Epoch 326/500
267/267 [=====] - 1s 3ms/step - loss: 24.6144 - auc_99:
0.5006 - val_loss: 11.4953 - val_auc_99: 0.5057
Epoch 327/500
267/267 [=====] - 1s 3ms/step - loss: 17.6203 - auc_99:
0.5033 - val_loss: 25.8037 - val_auc_99: 0.5051
Epoch 328/500
267/267 [=====] - 1s 3ms/step - loss: 16.8224 - auc_99:
0.5028 - val_loss: 5.1308 - val_auc_99: 0.5036
Epoch 329/500
267/267 [=====] - 1s 3ms/step - loss: 17.2623 - auc_99:
0.5029 - val_loss: 15.9901 - val_auc_99: 0.5086
Epoch 330/500
267/267 [=====] - 1s 3ms/step - loss: 18.4433 - auc_99:
0.5048 - val_loss: 21.5991 - val_auc_99: 0.5000
Epoch 331/500
267/267 [=====] - 1s 3ms/step - loss: 19.2365 - auc_99:
0.5049 - val_loss: 48.4516 - val_auc_99: 0.5038
Epoch 332/500
267/267 [=====] - 1s 3ms/step - loss: 21.1298 - auc_99:
0.5028 - val_loss: 18.8231 - val_auc_99: 0.4913
Epoch 333/500
267/267 [=====] - 1s 3ms/step - loss: 20.7429 - auc_99:
0.5038 - val_loss: 40.6001 - val_auc_99: 0.5056
Epoch 334/500
267/267 [=====] - 1s 3ms/step - loss: 19.1225 - auc_99:
0.5012 - val_loss: 30.7285 - val_auc_99: 0.4978
Epoch 335/500
267/267 [=====] - 1s 3ms/step - loss: 15.7236 - auc_99:
0.5053 - val_loss: 18.4588 - val_auc_99: 0.4991
Epoch 336/500
267/267 [=====] - 1s 3ms/step - loss: 19.7553 - auc_99:
0.5048 - val_loss: 27.3975 - val_auc_99: 0.5026
Epoch 337/500
267/267 [=====] - 1s 3ms/step - loss: 20.5974 - auc_99:
0.5023 - val_loss: 17.6856 - val_auc_99: 0.5116
Epoch 338/500
267/267 [=====] - 1s 3ms/step - loss: 20.4585 - auc_99:
0.5018 - val_loss: 25.0173 - val_auc_99: 0.4923
Epoch 339/500

267/267 [=====] - 1s 3ms/step - loss: 18.7671 - auc_99:
0.5030 - val_loss: 8.5842 - val_auc_99: 0.4906
Epoch 340/500
267/267 [=====] - 1s 3ms/step - loss: 20.9733 - auc_99:
0.5006 - val_loss: 21.3866 - val_auc_99: 0.4958
Epoch 341/500
267/267 [=====] - 1s 3ms/step - loss: 17.4330 - auc_99:
0.4984 - val_loss: 5.6391 - val_auc_99: 0.4987
Epoch 342/500
267/267 [=====] - 1s 3ms/step - loss: 18.5909 - auc_99:
0.5002 - val_loss: 17.9832 - val_auc_99: 0.4949
Epoch 343/500
267/267 [=====] - 1s 3ms/step - loss: 25.8527 - auc_99:
0.5044 - val_loss: 26.0809 - val_auc_99: 0.4967
Epoch 344/500
267/267 [=====] - 1s 3ms/step - loss: 19.5454 - auc_99:
0.5023 - val_loss: 16.6006 - val_auc_99: 0.4962
Epoch 345/500
267/267 [=====] - 1s 3ms/step - loss: 15.9538 - auc_99:
0.5042 - val_loss: 10.3843 - val_auc_99: 0.4958
Epoch 346/500
267/267 [=====] - 1s 3ms/step - loss: 20.0976 - auc_99:
0.5023 - val_loss: 13.0699 - val_auc_99: 0.4986
Epoch 347/500
267/267 [=====] - 1s 3ms/step - loss: 20.9224 - auc_99:
0.5026 - val_loss: 42.3255 - val_auc_99: 0.5000
Epoch 348/500
267/267 [=====] - 1s 3ms/step - loss: 17.9042 - auc_99:
0.5033 - val_loss: 18.2304 - val_auc_99: 0.5058
Epoch 349/500
267/267 [=====] - 1s 3ms/step - loss: 16.5836 - auc_99:
0.5026 - val_loss: 19.9974 - val_auc_99: 0.5048
Epoch 350/500
267/267 [=====] - 1s 3ms/step - loss: 21.0398 - auc_99:
0.5029 - val_loss: 11.3079 - val_auc_99: 0.4900
Epoch 351/500
267/267 [=====] - 1s 3ms/step - loss: 20.8961 - auc_99:
0.5003 - val_loss: 6.6128 - val_auc_99: 0.5010
Epoch 352/500
267/267 [=====] - 1s 3ms/step - loss: 19.3071 - auc_99:
0.5030 - val_loss: 23.2949 - val_auc_99: 0.5075
Epoch 353/500
267/267 [=====] - 1s 3ms/step - loss: 17.6988 - auc_99:
0.5024 - val_loss: 14.2872 - val_auc_99: 0.4913
Epoch 354/500
267/267 [=====] - 1s 3ms/step - loss: 21.8695 - auc_99:
0.5001 - val_loss: 17.4433 - val_auc_99: 0.5054
Epoch 355/500

267/267 [=====] - 1s 3ms/step - loss: 18.3713 - auc_99:
 0.5023 - val_loss: 10.9231 - val_auc_99: 0.4917
 Epoch 356/500
 267/267 [=====] - 1s 3ms/step - loss: 16.5362 - auc_99:
 0.5022 - val_loss: 55.1830 - val_auc_99: 0.4909
 Epoch 357/500
 267/267 [=====] - 1s 3ms/step - loss: 24.0530 - auc_99:
 0.5027 - val_loss: 7.1533 - val_auc_99: 0.5145
 Epoch 358/500
 267/267 [=====] - 1s 3ms/step - loss: 14.7898 - auc_99:
 0.5036 - val_loss: 31.2323 - val_auc_99: 0.5051
 Epoch 359/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0542 - auc_99:
 0.5048 - val_loss: 21.7136 - val_auc_99: 0.4881
 Epoch 360/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6786 - auc_99:
 0.5042 - val_loss: 20.3707 - val_auc_99: 0.5019
 Epoch 361/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6460 - auc_99:
 0.5013 - val_loss: 17.9571 - val_auc_99: 0.4970
 Epoch 362/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9855 - auc_99:
 0.5010 - val_loss: 17.9453 - val_auc_99: 0.4865
 Epoch 363/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3553 - auc_99:
 0.5001 - val_loss: 23.7099 - val_auc_99: 0.5039
 Epoch 364/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3055 - auc_99:
 0.5009 - val_loss: 44.2369 - val_auc_99: 0.5102
 Epoch 365/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6485 - auc_99:
 0.5034 - val_loss: 23.1646 - val_auc_99: 0.5027
 Epoch 366/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6537 - auc_99:
 0.5039 - val_loss: 14.4517 - val_auc_99: 0.5035
 Epoch 367/500
 267/267 [=====] - 1s 3ms/step - loss: 16.3930 - auc_99:
 0.5010 - val_loss: 16.4603 - val_auc_99: 0.4931
 Epoch 368/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6624 - auc_99:
 0.5005 - val_loss: 9.3078 - val_auc_99: 0.5012
 Epoch 369/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5105 - auc_99:
 0.5018 - val_loss: 10.2272 - val_auc_99: 0.5086
 Epoch 370/500
 267/267 [=====] - 1s 3ms/step - loss: 16.0180 - auc_99:
 0.5012 - val_loss: 27.3498 - val_auc_99: 0.5055
 Epoch 371/500

267/267 [=====] - 1s 3ms/step - loss: 18.7323 - auc_99:
0.5016 - val_loss: 16.1616 - val_auc_99: 0.4945
Epoch 372/500
267/267 [=====] - 1s 3ms/step - loss: 20.0259 - auc_99:
0.5012 - val_loss: 16.4925 - val_auc_99: 0.5015
Epoch 373/500
267/267 [=====] - 1s 3ms/step - loss: 20.2200 - auc_99:
0.5063 - val_loss: 12.4692 - val_auc_99: 0.5121
Epoch 374/500
267/267 [=====] - 1s 3ms/step - loss: 19.5209 - auc_99:
0.5034 - val_loss: 17.8002 - val_auc_99: 0.5046
Epoch 375/500
267/267 [=====] - 1s 3ms/step - loss: 17.8967 - auc_99:
0.5004 - val_loss: 15.4250 - val_auc_99: 0.5009
Epoch 376/500
267/267 [=====] - 1s 3ms/step - loss: 17.2789 - auc_99:
0.4988 - val_loss: 14.8559 - val_auc_99: 0.5063
Epoch 377/500
267/267 [=====] - 1s 3ms/step - loss: 20.4390 - auc_99:
0.5020 - val_loss: 6.6131 - val_auc_99: 0.4890
Epoch 378/500
267/267 [=====] - 1s 3ms/step - loss: 17.7385 - auc_99:
0.5076 - val_loss: 18.8383 - val_auc_99: 0.4936
Epoch 379/500
267/267 [=====] - 1s 3ms/step - loss: 20.8407 - auc_99:
0.5038 - val_loss: 18.4083 - val_auc_99: 0.5116
Epoch 380/500
267/267 [=====] - 1s 3ms/step - loss: 18.5478 - auc_99:
0.5015 - val_loss: 15.6759 - val_auc_99: 0.4988
Epoch 381/500
267/267 [=====] - 1s 3ms/step - loss: 23.7259 - auc_99:
0.5023 - val_loss: 28.0358 - val_auc_99: 0.5093
Epoch 382/500
267/267 [=====] - 1s 3ms/step - loss: 17.0944 - auc_99:
0.5011 - val_loss: 16.4183 - val_auc_99: 0.5086
Epoch 383/500
267/267 [=====] - 1s 3ms/step - loss: 18.3357 - auc_99:
0.5017 - val_loss: 52.1144 - val_auc_99: 0.5070
Epoch 384/500
267/267 [=====] - 1s 3ms/step - loss: 21.3534 - auc_99:
0.5055 - val_loss: 35.3752 - val_auc_99: 0.5040
Epoch 385/500
267/267 [=====] - 1s 3ms/step - loss: 22.3224 - auc_99:
0.5025 - val_loss: 9.2689 - val_auc_99: 0.4953
Epoch 386/500
267/267 [=====] - 1s 3ms/step - loss: 19.3240 - auc_99:
0.5023 - val_loss: 8.9954 - val_auc_99: 0.4892
Epoch 387/500

267/267 [=====] - 1s 3ms/step - loss: 16.2438 - auc_99:
 0.5014 - val_loss: 41.5989 - val_auc_99: 0.4959
 Epoch 388/500
 267/267 [=====] - 1s 3ms/step - loss: 16.5691 - auc_99:
 0.5046 - val_loss: 11.4708 - val_auc_99: 0.5043
 Epoch 389/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9758 - auc_99:
 0.4998 - val_loss: 9.8542 - val_auc_99: 0.4907
 Epoch 390/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9275 - auc_99:
 0.5014 - val_loss: 15.5810 - val_auc_99: 0.5050
 Epoch 391/500
 267/267 [=====] - 1s 3ms/step - loss: 23.8016 - auc_99:
 0.5048 - val_loss: 32.4504 - val_auc_99: 0.5126
 Epoch 392/500
 267/267 [=====] - 1s 3ms/step - loss: 23.6828 - auc_99:
 0.5028 - val_loss: 14.4276 - val_auc_99: 0.5062
 Epoch 393/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8915 - auc_99:
 0.5032 - val_loss: 16.4526 - val_auc_99: 0.4951
 Epoch 394/500
 267/267 [=====] - 1s 3ms/step - loss: 21.8112 - auc_99:
 0.5011 - val_loss: 14.3868 - val_auc_99: 0.4912
 Epoch 395/500
 267/267 [=====] - 1s 3ms/step - loss: 17.1315 - auc_99:
 0.5030 - val_loss: 15.9022 - val_auc_99: 0.5006
 Epoch 396/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2385 - auc_99:
 0.5047 - val_loss: 11.1249 - val_auc_99: 0.5013
 Epoch 397/500
 267/267 [=====] - 1s 3ms/step - loss: 16.1889 - auc_99:
 0.5013 - val_loss: 20.5379 - val_auc_99: 0.5071
 Epoch 398/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5509 - auc_99:
 0.5047 - val_loss: 39.3963 - val_auc_99: 0.4960
 Epoch 399/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4998 - auc_99:
 0.5041 - val_loss: 9.9620 - val_auc_99: 0.5115
 Epoch 400/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9186 - auc_99:
 0.5032 - val_loss: 32.4734 - val_auc_99: 0.5037
 Epoch 401/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2942 - auc_99:
 0.5036 - val_loss: 20.6611 - val_auc_99: 0.4931
 Epoch 402/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5278 - auc_99:
 0.5038 - val_loss: 22.8692 - val_auc_99: 0.5075
 Epoch 403/500

267/267 [=====] - 1s 3ms/step - loss: 22.4633 - auc_99:
 0.5030 - val_loss: 11.6536 - val_auc_99: 0.4931
 Epoch 404/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0954 - auc_99:
 0.4986 - val_loss: 11.9486 - val_auc_99: 0.5078
 Epoch 405/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6707 - auc_99:
 0.5019 - val_loss: 18.3385 - val_auc_99: 0.5119
 Epoch 406/500
 267/267 [=====] - 1s 3ms/step - loss: 25.6285 - auc_99:
 0.5035 - val_loss: 12.4473 - val_auc_99: 0.5048
 Epoch 407/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5368 - auc_99:
 0.5006 - val_loss: 25.5510 - val_auc_99: 0.4989
 Epoch 408/500
 267/267 [=====] - 1s 3ms/step - loss: 22.7493 - auc_99:
 0.4999 - val_loss: 25.2549 - val_auc_99: 0.4921
 Epoch 409/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1065 - auc_99:
 0.4997 - val_loss: 15.6217 - val_auc_99: 0.5065
 Epoch 410/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7810 - auc_99:
 0.4978 - val_loss: 14.3740 - val_auc_99: 0.5039
 Epoch 411/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1283 - auc_99:
 0.5004 - val_loss: 9.8299 - val_auc_99: 0.5080
 Epoch 412/500
 267/267 [=====] - 1s 3ms/step - loss: 21.7240 - auc_99:
 0.5020 - val_loss: 14.9786 - val_auc_99: 0.5088
 Epoch 413/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6991 - auc_99:
 0.5013 - val_loss: 24.6238 - val_auc_99: 0.5046
 Epoch 414/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3295 - auc_99:
 0.5007 - val_loss: 7.8076 - val_auc_99: 0.4962
 Epoch 415/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9212 - auc_99:
 0.5031 - val_loss: 33.4780 - val_auc_99: 0.5037
 Epoch 416/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7408 - auc_99:
 0.5043 - val_loss: 10.7620 - val_auc_99: 0.5077
 Epoch 417/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4366 - auc_99:
 0.5042 - val_loss: 30.1732 - val_auc_99: 0.5134
 Epoch 418/500
 267/267 [=====] - 1s 3ms/step - loss: 22.4182 - auc_99:
 0.5029 - val_loss: 22.1668 - val_auc_99: 0.5035
 Epoch 419/500

267/267 [=====] - 1s 3ms/step - loss: 19.9861 - auc_99:
0.5016 - val_loss: 29.3329 - val_auc_99: 0.5138
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 20.3711 - auc_99:
0.5006 - val_loss: 14.9685 - val_auc_99: 0.4894
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 19.7235 - auc_99:
0.5012 - val_loss: 16.1780 - val_auc_99: 0.4981
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 17.5500 - auc_99:
0.5020 - val_loss: 18.8273 - val_auc_99: 0.5056
Epoch 423/500
267/267 [=====] - 1s 3ms/step - loss: 19.0816 - auc_99:
0.5028 - val_loss: 30.9656 - val_auc_99: 0.5088
Epoch 424/500
267/267 [=====] - 1s 3ms/step - loss: 26.3078 - auc_99:
0.5003 - val_loss: 28.4700 - val_auc_99: 0.5105
Epoch 425/500
267/267 [=====] - 1s 3ms/step - loss: 18.0284 - auc_99:
0.5058 - val_loss: 19.6891 - val_auc_99: 0.5057
Epoch 426/500
267/267 [=====] - 1s 3ms/step - loss: 18.5696 - auc_99:
0.5009 - val_loss: 15.6337 - val_auc_99: 0.5069
Epoch 427/500
267/267 [=====] - 1s 3ms/step - loss: 19.9534 - auc_99:
0.5009 - val_loss: 39.7135 - val_auc_99: 0.4881
Epoch 428/500
267/267 [=====] - 1s 3ms/step - loss: 21.5253 - auc_99:
0.5020 - val_loss: 23.0228 - val_auc_99: 0.5002
Epoch 429/500
267/267 [=====] - 1s 3ms/step - loss: 18.6548 - auc_99:
0.5021 - val_loss: 14.6994 - val_auc_99: 0.5014
Epoch 430/500
267/267 [=====] - 1s 3ms/step - loss: 17.1353 - auc_99:
0.5000 - val_loss: 6.0350 - val_auc_99: 0.4999
Epoch 431/500
267/267 [=====] - 1s 3ms/step - loss: 16.7742 - auc_99:
0.5014 - val_loss: 11.8616 - val_auc_99: 0.4944
Epoch 432/500
267/267 [=====] - 1s 3ms/step - loss: 17.4979 - auc_99:
0.5051 - val_loss: 25.6751 - val_auc_99: 0.4981
Epoch 433/500
267/267 [=====] - 1s 3ms/step - loss: 20.2157 - auc_99:
0.5006 - val_loss: 14.5086 - val_auc_99: 0.5039
Epoch 434/500
267/267 [=====] - 1s 3ms/step - loss: 18.3373 - auc_99:
0.5014 - val_loss: 21.2702 - val_auc_99: 0.4987
Epoch 435/500

267/267 [=====] - 1s 3ms/step - loss: 20.1022 - auc_99:
 0.5009 - val_loss: 15.9957 - val_auc_99: 0.4972
 Epoch 436/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2345 - auc_99:
 0.5013 - val_loss: 13.0133 - val_auc_99: 0.5032
 Epoch 437/500
 267/267 [=====] - 1s 3ms/step - loss: 19.8028 - auc_99:
 0.5041 - val_loss: 19.2688 - val_auc_99: 0.4980
 Epoch 438/500
 267/267 [=====] - 1s 3ms/step - loss: 22.2152 - auc_99:
 0.5047 - val_loss: 29.8653 - val_auc_99: 0.4999
 Epoch 439/500
 267/267 [=====] - 1s 3ms/step - loss: 17.1952 - auc_99:
 0.5050 - val_loss: 19.3612 - val_auc_99: 0.5022
 Epoch 440/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0651 - auc_99:
 0.5026 - val_loss: 25.3897 - val_auc_99: 0.4980
 Epoch 441/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9552 - auc_99:
 0.5001 - val_loss: 20.5601 - val_auc_99: 0.4862
 Epoch 442/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8056 - auc_99:
 0.5014 - val_loss: 9.9978 - val_auc_99: 0.4911
 Epoch 443/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0112 - auc_99:
 0.5063 - val_loss: 33.8799 - val_auc_99: 0.5061
 Epoch 444/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1248 - auc_99:
 0.5019 - val_loss: 19.8751 - val_auc_99: 0.4898
 Epoch 445/500
 267/267 [=====] - 1s 3ms/step - loss: 22.4062 - auc_99:
 0.5036 - val_loss: 19.9884 - val_auc_99: 0.5080
 Epoch 446/500
 267/267 [=====] - 1s 3ms/step - loss: 16.8103 - auc_99:
 0.5020 - val_loss: 27.2793 - val_auc_99: 0.4917
 Epoch 447/500
 267/267 [=====] - 1s 3ms/step - loss: 17.5578 - auc_99:
 0.5073 - val_loss: 17.2980 - val_auc_99: 0.4932
 Epoch 448/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2684 - auc_99:
 0.5021 - val_loss: 20.7066 - val_auc_99: 0.5070
 Epoch 449/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4471 - auc_99:
 0.5009 - val_loss: 10.1195 - val_auc_99: 0.4978
 Epoch 450/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6991 - auc_99:
 0.4989 - val_loss: 18.0562 - val_auc_99: 0.4959
 Epoch 451/500

267/267 [=====] - 1s 3ms/step - loss: 22.0324 - auc_99:
 0.4988 - val_loss: 20.6885 - val_auc_99: 0.5039
 Epoch 452/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8851 - auc_99:
 0.5049 - val_loss: 15.7173 - val_auc_99: 0.4938
 Epoch 453/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5198 - auc_99:
 0.5021 - val_loss: 29.3492 - val_auc_99: 0.5014
 Epoch 454/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1946 - auc_99:
 0.5012 - val_loss: 6.0278 - val_auc_99: 0.5068
 Epoch 455/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1357 - auc_99:
 0.5015 - val_loss: 26.4112 - val_auc_99: 0.4904
 Epoch 456/500
 267/267 [=====] - 1s 3ms/step - loss: 21.2422 - auc_99:
 0.5025 - val_loss: 11.5134 - val_auc_99: 0.5103
 Epoch 457/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3768 - auc_99:
 0.5025 - val_loss: 17.9217 - val_auc_99: 0.5022
 Epoch 458/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7399 - auc_99:
 0.5019 - val_loss: 10.4885 - val_auc_99: 0.4972
 Epoch 459/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7862 - auc_99:
 0.5048 - val_loss: 19.4392 - val_auc_99: 0.4986
 Epoch 460/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2823 - auc_99:
 0.5018 - val_loss: 38.9482 - val_auc_99: 0.5137
 Epoch 461/500
 267/267 [=====] - 1s 3ms/step - loss: 23.5278 - auc_99:
 0.5042 - val_loss: 12.3927 - val_auc_99: 0.4965
 Epoch 462/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4170 - auc_99:
 0.5036 - val_loss: 12.3525 - val_auc_99: 0.4900
 Epoch 463/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3217 - auc_99:
 0.5023 - val_loss: 18.6156 - val_auc_99: 0.5051
 Epoch 464/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3287 - auc_99:
 0.5011 - val_loss: 31.2634 - val_auc_99: 0.4984
 Epoch 465/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9215 - auc_99:
 0.5047 - val_loss: 11.6722 - val_auc_99: 0.5116
 Epoch 466/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3423 - auc_99:
 0.5008 - val_loss: 10.7085 - val_auc_99: 0.4953
 Epoch 467/500

267/267 [=====] - 1s 3ms/step - loss: 16.8153 - auc_99:
 0.5023 - val_loss: 13.6772 - val_auc_99: 0.5056
 Epoch 468/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3012 - auc_99:
 0.4991 - val_loss: 20.3587 - val_auc_99: 0.4946
 Epoch 469/500
 267/267 [=====] - 1s 3ms/step - loss: 22.8698 - auc_99:
 0.4998 - val_loss: 24.0586 - val_auc_99: 0.4998
 Epoch 470/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1168 - auc_99:
 0.5008 - val_loss: 11.4467 - val_auc_99: 0.5031
 Epoch 471/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9525 - auc_99:
 0.4984 - val_loss: 9.6555 - val_auc_99: 0.5196
 Epoch 472/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3491 - auc_99:
 0.4999 - val_loss: 21.0828 - val_auc_99: 0.4843
 Epoch 473/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5875 - auc_99:
 0.5048 - val_loss: 16.4644 - val_auc_99: 0.4997
 Epoch 474/500
 267/267 [=====] - 1s 3ms/step - loss: 19.4504 - auc_99:
 0.5050 - val_loss: 17.3402 - val_auc_99: 0.4905
 Epoch 475/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3703 - auc_99:
 0.5054 - val_loss: 14.4199 - val_auc_99: 0.5013
 Epoch 476/500
 267/267 [=====] - 1s 3ms/step - loss: 24.5448 - auc_99:
 0.5023 - val_loss: 31.2620 - val_auc_99: 0.4960
 Epoch 477/500
 267/267 [=====] - 1s 3ms/step - loss: 22.9960 - auc_99:
 0.5051 - val_loss: 9.9368 - val_auc_99: 0.4970
 Epoch 478/500
 267/267 [=====] - 1s 3ms/step - loss: 21.9418 - auc_99:
 0.5040 - val_loss: 22.0504 - val_auc_99: 0.4985
 Epoch 479/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0008 - auc_99:
 0.5008 - val_loss: 18.1085 - val_auc_99: 0.4935
 Epoch 480/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0413 - auc_99:
 0.5013 - val_loss: 34.8626 - val_auc_99: 0.5074
 Epoch 481/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7545 - auc_99:
 0.5035 - val_loss: 17.6922 - val_auc_99: 0.5016
 Epoch 482/500
 267/267 [=====] - 1s 3ms/step - loss: 16.9639 - auc_99:
 0.5026 - val_loss: 22.8748 - val_auc_99: 0.4985
 Epoch 483/500

267/267 [=====] - 1s 3ms/step - loss: 18.3010 - auc_99:
 0.5019 - val_loss: 18.9312 - val_auc_99: 0.4980
 Epoch 484/500
 267/267 [=====] - 1s 3ms/step - loss: 21.2505 - auc_99:
 0.5029 - val_loss: 14.1012 - val_auc_99: 0.4957
 Epoch 485/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1003 - auc_99:
 0.5052 - val_loss: 12.4072 - val_auc_99: 0.4859
 Epoch 486/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1206 - auc_99:
 0.5026 - val_loss: 25.9671 - val_auc_99: 0.4979
 Epoch 487/500
 267/267 [=====] - 1s 3ms/step - loss: 23.3583 - auc_99:
 0.5008 - val_loss: 20.3641 - val_auc_99: 0.5026
 Epoch 488/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7797 - auc_99:
 0.5012 - val_loss: 7.2327 - val_auc_99: 0.5088
 Epoch 489/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1069 - auc_99:
 0.5025 - val_loss: 20.8617 - val_auc_99: 0.4813
 Epoch 490/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9671 - auc_99:
 0.5010 - val_loss: 6.0816 - val_auc_99: 0.4970
 Epoch 491/500
 267/267 [=====] - 1s 3ms/step - loss: 22.7929 - auc_99:
 0.5003 - val_loss: 26.9673 - val_auc_99: 0.5087
 Epoch 492/500
 267/267 [=====] - 1s 3ms/step - loss: 23.2336 - auc_99:
 0.5045 - val_loss: 12.2329 - val_auc_99: 0.4989
 Epoch 493/500
 267/267 [=====] - 1s 3ms/step - loss: 16.7710 - auc_99:
 0.5014 - val_loss: 13.0428 - val_auc_99: 0.5098
 Epoch 494/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3780 - auc_99:
 0.5062 - val_loss: 20.1970 - val_auc_99: 0.5077
 Epoch 495/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6902 - auc_99:
 0.5026 - val_loss: 14.8748 - val_auc_99: 0.4980
 Epoch 496/500
 267/267 [=====] - 1s 3ms/step - loss: 20.9730 - auc_99:
 0.5016 - val_loss: 21.8796 - val_auc_99: 0.5029
 Epoch 497/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3042 - auc_99:
 0.5029 - val_loss: 31.2155 - val_auc_99: 0.5027
 Epoch 498/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6665 - auc_99:
 0.5057 - val_loss: 13.9275 - val_auc_99: 0.4931
 Epoch 499/500

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267/267 [=====] - 1s 3ms/step - loss: 18.0872 - auc_99:
0.5004 - val_loss: 31.4345 - val_auc_99: 0.5082
Epoch 500/500
267/267 [=====] - 1s 3ms/step - loss: 23.0564 - auc_99:
0.5004 - val_loss: 54.9789 - val_auc_99: 0.4921
625/625 [=====] - 0s 557us/step
[CV] ... epochs=500, learning_rate=0.1, score=0.488, total= 6.4min
[CV] epochs=500, learning_rate=0.1 ...
Epoch 1/500
267/267 [=====] - 1s 4ms/step - loss: 22.3781 -
auc_100: 0.5009 - val_loss: 19.3819 - val_auc_100: 0.5044
Epoch 2/500
267/267 [=====] - 1s 3ms/step - loss: 21.9875 -
auc_100: 0.5060 - val_loss: 9.4435 - val_auc_100: 0.4885
Epoch 3/500
267/267 [=====] - 1s 3ms/step - loss: 18.3407 -
auc_100: 0.4944 - val_loss: 38.6836 - val_auc_100: 0.4980
Epoch 4/500
267/267 [=====] - 1s 3ms/step - loss: 21.7668 -
auc_100: 0.5007 - val_loss: 6.3693 - val_auc_100: 0.5063
Epoch 5/500
267/267 [=====] - 1s 3ms/step - loss: 19.8743 -
auc_100: 0.5008 - val_loss: 24.0150 - val_auc_100: 0.5014
Epoch 6/500
267/267 [=====] - 1s 3ms/step - loss: 20.5671 -
auc_100: 0.4994 - val_loss: 31.2144 - val_auc_100: 0.5086
Epoch 7/500
267/267 [=====] - 1s 3ms/step - loss: 18.8288 -
auc_100: 0.5047 - val_loss: 15.0315 - val_auc_100: 0.4928
Epoch 8/500
267/267 [=====] - 1s 3ms/step - loss: 19.4292 -
auc_100: 0.5009 - val_loss: 6.0054 - val_auc_100: 0.5146
Epoch 9/500
267/267 [=====] - 1s 3ms/step - loss: 17.9096 -
auc_100: 0.5046 - val_loss: 19.6125 - val_auc_100: 0.5042
Epoch 10/500
267/267 [=====] - 1s 3ms/step - loss: 15.8345 -
auc_100: 0.5044 - val_loss: 11.2199 - val_auc_100: 0.4918
Epoch 11/500
267/267 [=====] - 1s 3ms/step - loss: 18.1501 -
auc_100: 0.5028 - val_loss: 34.6048 - val_auc_100: 0.5058
Epoch 12/500
267/267 [=====] - 1s 3ms/step - loss: 21.0449 -
auc_100: 0.5026 - val_loss: 27.4100 - val_auc_100: 0.4853
Epoch 13/500
267/267 [=====] - 1s 3ms/step - loss: 19.5611 -
auc_100: 0.4993 - val_loss: 19.6745 - val_auc_100: 0.5104
Epoch 14/500

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267/267 [=====] - 1s 3ms/step - loss: 18.4734 -
auc_100: 0.5029 - val_loss: 17.5669 - val_auc_100: 0.5070
Epoch 15/500
267/267 [=====] - 1s 3ms/step - loss: 20.3452 -
auc_100: 0.5014 - val_loss: 16.7444 - val_auc_100: 0.5167
Epoch 16/500
267/267 [=====] - 1s 3ms/step - loss: 20.2095 -
auc_100: 0.5050 - val_loss: 19.2248 - val_auc_100: 0.4974
Epoch 17/500
267/267 [=====] - 1s 3ms/step - loss: 20.0212 -
auc_100: 0.5029 - val_loss: 11.4273 - val_auc_100: 0.5118
Epoch 18/500
267/267 [=====] - 1s 3ms/step - loss: 17.2041 -
auc_100: 0.5058 - val_loss: 36.5128 - val_auc_100: 0.5018
Epoch 19/500
267/267 [=====] - 1s 3ms/step - loss: 18.8485 -
auc_100: 0.5015 - val_loss: 6.7175 - val_auc_100: 0.5064
Epoch 20/500
267/267 [=====] - 1s 3ms/step - loss: 21.9887 -
auc_100: 0.5000 - val_loss: 15.4592 - val_auc_100: 0.5016
Epoch 21/500
267/267 [=====] - 1s 3ms/step - loss: 21.3518 -
auc_100: 0.5018 - val_loss: 22.8225 - val_auc_100: 0.5006
Epoch 22/500
267/267 [=====] - 1s 3ms/step - loss: 20.2995 -
auc_100: 0.5065 - val_loss: 10.6617 - val_auc_100: 0.5046
Epoch 23/500
267/267 [=====] - 1s 3ms/step - loss: 19.8835 -
auc_100: 0.5059 - val_loss: 23.7114 - val_auc_100: 0.5115
Epoch 24/500
267/267 [=====] - 1s 3ms/step - loss: 17.1091 -
auc_100: 0.5027 - val_loss: 18.7277 - val_auc_100: 0.4812
Epoch 25/500
267/267 [=====] - 1s 3ms/step - loss: 18.5145 -
auc_100: 0.5034 - val_loss: 7.3652 - val_auc_100: 0.5154
Epoch 26/500
267/267 [=====] - 1s 3ms/step - loss: 22.3742 -
auc_100: 0.5049 - val_loss: 31.3648 - val_auc_100: 0.5126
Epoch 27/500
267/267 [=====] - 1s 3ms/step - loss: 18.3386 -
auc_100: 0.5023 - val_loss: 19.2392 - val_auc_100: 0.4822
Epoch 28/500
267/267 [=====] - 1s 3ms/step - loss: 18.0371 -
auc_100: 0.5029 - val_loss: 10.9483 - val_auc_100: 0.4987
Epoch 29/500
267/267 [=====] - 1s 3ms/step - loss: 20.7879 -
auc_100: 0.5024 - val_loss: 26.7421 - val_auc_100: 0.5132
Epoch 30/500

267/267 [=====] - 1s 3ms/step - loss: 18.6473 -
auc_100: 0.5013 - val_loss: 49.2127 - val_auc_100: 0.4993
Epoch 31/500
267/267 [=====] - 1s 3ms/step - loss: 17.5595 -
auc_100: 0.5025 - val_loss: 12.8629 - val_auc_100: 0.5050
Epoch 32/500
267/267 [=====] - 1s 3ms/step - loss: 21.7603 -
auc_100: 0.5052 - val_loss: 6.0976 - val_auc_100: 0.4915
Epoch 33/500
267/267 [=====] - 1s 3ms/step - loss: 21.6519 -
auc_100: 0.5041 - val_loss: 12.8012 - val_auc_100: 0.5128
Epoch 34/500
267/267 [=====] - 1s 3ms/step - loss: 18.9712 -
auc_100: 0.5036 - val_loss: 13.9189 - val_auc_100: 0.4897
Epoch 35/500
267/267 [=====] - 1s 3ms/step - loss: 17.7497 -
auc_100: 0.5048 - val_loss: 16.4621 - val_auc_100: 0.4929
Epoch 36/500
267/267 [=====] - 1s 3ms/step - loss: 18.4036 -
auc_100: 0.5005 - val_loss: 19.3174 - val_auc_100: 0.5045
Epoch 37/500
267/267 [=====] - 1s 3ms/step - loss: 20.2207 -
auc_100: 0.5038 - val_loss: 28.3870 - val_auc_100: 0.5025
Epoch 38/500
267/267 [=====] - 1s 3ms/step - loss: 19.5170 -
auc_100: 0.5025 - val_loss: 13.4906 - val_auc_100: 0.4915
Epoch 39/500
267/267 [=====] - 1s 3ms/step - loss: 22.2915 -
auc_100: 0.4985 - val_loss: 20.2405 - val_auc_100: 0.5099
Epoch 40/500
267/267 [=====] - 1s 3ms/step - loss: 20.2429 -
auc_100: 0.5021 - val_loss: 42.0703 - val_auc_100: 0.5102
Epoch 41/500
267/267 [=====] - 1s 3ms/step - loss: 20.5842 -
auc_100: 0.5014 - val_loss: 23.1441 - val_auc_100: 0.5073
Epoch 42/500
267/267 [=====] - 1s 3ms/step - loss: 18.4931 -
auc_100: 0.5014 - val_loss: 13.7421 - val_auc_100: 0.4977
Epoch 43/500
267/267 [=====] - 1s 3ms/step - loss: 20.4982 -
auc_100: 0.5018 - val_loss: 17.9453 - val_auc_100: 0.5109
Epoch 44/500
267/267 [=====] - 1s 3ms/step - loss: 18.4323 -
auc_100: 0.5006 - val_loss: 18.1606 - val_auc_100: 0.4962
Epoch 45/500
267/267 [=====] - 1s 3ms/step - loss: 20.0855 -
auc_100: 0.5013 - val_loss: 26.9764 - val_auc_100: 0.5146
Epoch 46/500

267/267 [=====] - 1s 3ms/step - loss: 26.7844 -
auc_100: 0.5035 - val_loss: 16.9608 - val_auc_100: 0.5113
Epoch 47/500
267/267 [=====] - 1s 3ms/step - loss: 20.3617 -
auc_100: 0.5069 - val_loss: 11.7230 - val_auc_100: 0.4997
Epoch 48/500
267/267 [=====] - 1s 3ms/step - loss: 24.5061 -
auc_100: 0.5058 - val_loss: 15.9856 - val_auc_100: 0.4930
Epoch 49/500
267/267 [=====] - 1s 3ms/step - loss: 17.9906 -
auc_100: 0.5020 - val_loss: 15.4557 - val_auc_100: 0.5005
Epoch 50/500
267/267 [=====] - 1s 3ms/step - loss: 17.7360 -
auc_100: 0.5047 - val_loss: 28.9375 - val_auc_100: 0.4951
Epoch 51/500
267/267 [=====] - 1s 3ms/step - loss: 19.1102 -
auc_100: 0.5008 - val_loss: 34.5248 - val_auc_100: 0.5119
Epoch 52/500
267/267 [=====] - 1s 3ms/step - loss: 20.1312 -
auc_100: 0.5049 - val_loss: 14.7030 - val_auc_100: 0.5056
Epoch 53/500
267/267 [=====] - 1s 3ms/step - loss: 23.2070 -
auc_100: 0.5057 - val_loss: 12.9272 - val_auc_100: 0.5008
Epoch 54/500
267/267 [=====] - 1s 3ms/step - loss: 22.3244 -
auc_100: 0.5020 - val_loss: 15.8580 - val_auc_100: 0.4972
Epoch 55/500
267/267 [=====] - 1s 3ms/step - loss: 21.1139 -
auc_100: 0.4995 - val_loss: 46.1018 - val_auc_100: 0.4974
Epoch 56/500
267/267 [=====] - 1s 3ms/step - loss: 20.5261 -
auc_100: 0.5000 - val_loss: 11.1675 - val_auc_100: 0.5015
Epoch 57/500
267/267 [=====] - 1s 3ms/step - loss: 16.6909 -
auc_100: 0.5023 - val_loss: 13.3033 - val_auc_100: 0.5049
Epoch 58/500
267/267 [=====] - 1s 3ms/step - loss: 19.3922 -
auc_100: 0.5037 - val_loss: 30.3412 - val_auc_100: 0.5006
Epoch 59/500
267/267 [=====] - 1s 3ms/step - loss: 23.0455 -
auc_100: 0.5019 - val_loss: 15.3723 - val_auc_100: 0.5065
Epoch 60/500
267/267 [=====] - 1s 3ms/step - loss: 21.2619 -
auc_100: 0.5016 - val_loss: 18.5572 - val_auc_100: 0.5104
Epoch 61/500
267/267 [=====] - 1s 3ms/step - loss: 17.9670 -
auc_100: 0.5050 - val_loss: 20.7002 - val_auc_100: 0.4947
Epoch 62/500

267/267 [=====] - 1s 3ms/step - loss: 21.3467 -
auc_100: 0.5021 - val_loss: 53.8594 - val_auc_100: 0.4996
Epoch 63/500
267/267 [=====] - 1s 3ms/step - loss: 23.9458 -
auc_100: 0.4984 - val_loss: 14.6472 - val_auc_100: 0.5079
Epoch 64/500
267/267 [=====] - 1s 3ms/step - loss: 15.9429 -
auc_100: 0.5033 - val_loss: 14.3091 - val_auc_100: 0.5046
Epoch 65/500
267/267 [=====] - 1s 3ms/step - loss: 18.8480 -
auc_100: 0.5008 - val_loss: 16.1344 - val_auc_100: 0.5097
Epoch 66/500
267/267 [=====] - 1s 3ms/step - loss: 15.6588 -
auc_100: 0.5022 - val_loss: 9.2685 - val_auc_100: 0.4914
Epoch 67/500
267/267 [=====] - 1s 3ms/step - loss: 14.7540 -
auc_100: 0.5017 - val_loss: 22.7507 - val_auc_100: 0.5054
Epoch 68/500
267/267 [=====] - 1s 3ms/step - loss: 17.6785 -
auc_100: 0.5003 - val_loss: 16.9648 - val_auc_100: 0.5076
Epoch 69/500
267/267 [=====] - 1s 3ms/step - loss: 22.1829 -
auc_100: 0.5047 - val_loss: 11.9083 - val_auc_100: 0.4850
Epoch 70/500
267/267 [=====] - 1s 3ms/step - loss: 16.1477 -
auc_100: 0.5050 - val_loss: 10.8132 - val_auc_100: 0.5004
Epoch 71/500
267/267 [=====] - 1s 3ms/step - loss: 17.7874 -
auc_100: 0.5015 - val_loss: 19.9219 - val_auc_100: 0.5079
Epoch 72/500
267/267 [=====] - 1s 3ms/step - loss: 21.6382 -
auc_100: 0.5004 - val_loss: 24.6092 - val_auc_100: 0.4964
Epoch 73/500
267/267 [=====] - 1s 3ms/step - loss: 19.5605 -
auc_100: 0.5038 - val_loss: 12.5731 - val_auc_100: 0.4826
Epoch 74/500
267/267 [=====] - 1s 3ms/step - loss: 17.4430 -
auc_100: 0.5078 - val_loss: 9.5501 - val_auc_100: 0.5112
Epoch 75/500
267/267 [=====] - 1s 3ms/step - loss: 18.1788 -
auc_100: 0.5003 - val_loss: 23.3090 - val_auc_100: 0.5076
Epoch 76/500
267/267 [=====] - 1s 3ms/step - loss: 23.4745 -
auc_100: 0.5038 - val_loss: 22.8888 - val_auc_100: 0.4923
Epoch 77/500
267/267 [=====] - 1s 3ms/step - loss: 19.5836 -
auc_100: 0.5042 - val_loss: 31.2226 - val_auc_100: 0.5020
Epoch 78/500

267/267 [=====] - 1s 3ms/step - loss: 18.8787 -
auc_100: 0.5004 - val_loss: 11.8542 - val_auc_100: 0.5124
Epoch 79/500
267/267 [=====] - 1s 3ms/step - loss: 18.5998 -
auc_100: 0.5028 - val_loss: 9.3223 - val_auc_100: 0.4936
Epoch 80/500
267/267 [=====] - 1s 3ms/step - loss: 17.8880 -
auc_100: 0.5020 - val_loss: 46.2386 - val_auc_100: 0.5113
Epoch 81/500
267/267 [=====] - 1s 3ms/step - loss: 17.7420 -
auc_100: 0.5047 - val_loss: 7.4798 - val_auc_100: 0.5094
Epoch 82/500
267/267 [=====] - 1s 3ms/step - loss: 16.5811 -
auc_100: 0.5010 - val_loss: 17.7571 - val_auc_100: 0.5072
Epoch 83/500
267/267 [=====] - 1s 3ms/step - loss: 17.6727 -
auc_100: 0.5039 - val_loss: 17.9647 - val_auc_100: 0.5111
Epoch 84/500
267/267 [=====] - 1s 3ms/step - loss: 21.4565 -
auc_100: 0.5035 - val_loss: 23.0712 - val_auc_100: 0.4917
Epoch 85/500
267/267 [=====] - 1s 3ms/step - loss: 17.7508 -
auc_100: 0.5047 - val_loss: 15.9482 - val_auc_100: 0.5023
Epoch 86/500
267/267 [=====] - 1s 3ms/step - loss: 18.5380 -
auc_100: 0.5035 - val_loss: 7.5599 - val_auc_100: 0.5087
Epoch 87/500
267/267 [=====] - 1s 3ms/step - loss: 14.8377 -
auc_100: 0.5034 - val_loss: 18.4384 - val_auc_100: 0.4979
Epoch 88/500
267/267 [=====] - 1s 3ms/step - loss: 19.1987 -
auc_100: 0.5013 - val_loss: 10.1565 - val_auc_100: 0.4932
Epoch 89/500
267/267 [=====] - 1s 3ms/step - loss: 16.1363 -
auc_100: 0.5037 - val_loss: 36.7354 - val_auc_100: 0.5087
Epoch 90/500
267/267 [=====] - 1s 3ms/step - loss: 19.5217 -
auc_100: 0.5065 - val_loss: 15.5003 - val_auc_100: 0.5096
Epoch 91/500
267/267 [=====] - 1s 3ms/step - loss: 21.7204 -
auc_100: 0.5019 - val_loss: 19.1466 - val_auc_100: 0.4906
Epoch 92/500
267/267 [=====] - 1s 3ms/step - loss: 23.5847 -
auc_100: 0.5002 - val_loss: 18.7525 - val_auc_100: 0.5058
Epoch 93/500
267/267 [=====] - 1s 3ms/step - loss: 17.3635 -
auc_100: 0.5025 - val_loss: 20.3670 - val_auc_100: 0.5043
Epoch 94/500

267/267 [=====] - 1s 3ms/step - loss: 21.3931 -
auc_100: 0.5052 - val_loss: 19.0991 - val_auc_100: 0.4993
Epoch 95/500
267/267 [=====] - 1s 3ms/step - loss: 16.9051 -
auc_100: 0.5039 - val_loss: 15.6754 - val_auc_100: 0.5003
Epoch 96/500
267/267 [=====] - 1s 3ms/step - loss: 22.3040 -
auc_100: 0.5021 - val_loss: 10.0533 - val_auc_100: 0.4977
Epoch 97/500
267/267 [=====] - 1s 3ms/step - loss: 16.8071 -
auc_100: 0.5054 - val_loss: 30.4303 - val_auc_100: 0.5025
Epoch 98/500
267/267 [=====] - 1s 3ms/step - loss: 20.1710 -
auc_100: 0.4997 - val_loss: 34.4967 - val_auc_100: 0.5051
Epoch 99/500
267/267 [=====] - 1s 3ms/step - loss: 17.9694 -
auc_100: 0.5019 - val_loss: 14.7722 - val_auc_100: 0.5088
Epoch 100/500
267/267 [=====] - 1s 3ms/step - loss: 22.9166 -
auc_100: 0.5033 - val_loss: 22.8907 - val_auc_100: 0.4898
Epoch 101/500
267/267 [=====] - 1s 3ms/step - loss: 20.4006 -
auc_100: 0.5073 - val_loss: 11.0767 - val_auc_100: 0.5036
Epoch 102/500
267/267 [=====] - 1s 3ms/step - loss: 18.9932 -
auc_100: 0.5052 - val_loss: 21.9051 - val_auc_100: 0.4985
Epoch 103/500
267/267 [=====] - 1s 3ms/step - loss: 26.3296 -
auc_100: 0.5017 - val_loss: 42.0058 - val_auc_100: 0.5040
Epoch 104/500
267/267 [=====] - 1s 3ms/step - loss: 17.7321 -
auc_100: 0.5021 - val_loss: 27.6045 - val_auc_100: 0.5144
Epoch 105/500
267/267 [=====] - 1s 3ms/step - loss: 16.9629 -
auc_100: 0.5018 - val_loss: 12.5161 - val_auc_100: 0.5062
Epoch 106/500
267/267 [=====] - 1s 3ms/step - loss: 17.9722 -
auc_100: 0.5039 - val_loss: 14.6504 - val_auc_100: 0.5001
Epoch 107/500
267/267 [=====] - 1s 3ms/step - loss: 23.0315 -
auc_100: 0.5038 - val_loss: 39.9814 - val_auc_100: 0.5100
Epoch 108/500
267/267 [=====] - 1s 3ms/step - loss: 21.8589 -
auc_100: 0.5031 - val_loss: 34.8672 - val_auc_100: 0.5018
Epoch 109/500
267/267 [=====] - 1s 3ms/step - loss: 16.3120 -
auc_100: 0.5042 - val_loss: 24.0853 - val_auc_100: 0.5053
Epoch 110/500

267/267 [=====] - 1s 3ms/step - loss: 21.8754 -
auc_100: 0.5036 - val_loss: 46.3295 - val_auc_100: 0.4977
Epoch 111/500
267/267 [=====] - 1s 3ms/step - loss: 21.3250 -
auc_100: 0.5047 - val_loss: 14.5825 - val_auc_100: 0.4896
Epoch 112/500
267/267 [=====] - 1s 3ms/step - loss: 20.2146 -
auc_100: 0.5039 - val_loss: 13.7531 - val_auc_100: 0.5135
Epoch 113/500
267/267 [=====] - 1s 3ms/step - loss: 19.0041 -
auc_100: 0.5041 - val_loss: 27.3846 - val_auc_100: 0.5026
Epoch 114/500
267/267 [=====] - 1s 3ms/step - loss: 18.5522 -
auc_100: 0.5040 - val_loss: 20.0090 - val_auc_100: 0.5091
Epoch 115/500
267/267 [=====] - 1s 3ms/step - loss: 23.8536 -
auc_100: 0.5042 - val_loss: 35.7828 - val_auc_100: 0.5048
Epoch 116/500
267/267 [=====] - 1s 3ms/step - loss: 22.1350 -
auc_100: 0.5021 - val_loss: 42.0158 - val_auc_100: 0.4965
Epoch 117/500
267/267 [=====] - 1s 3ms/step - loss: 20.6479 -
auc_100: 0.5035 - val_loss: 18.1827 - val_auc_100: 0.4904
Epoch 118/500
267/267 [=====] - 1s 3ms/step - loss: 22.4410 -
auc_100: 0.5006 - val_loss: 23.6100 - val_auc_100: 0.5018
Epoch 119/500
267/267 [=====] - 1s 3ms/step - loss: 23.0039 -
auc_100: 0.5035 - val_loss: 14.8940 - val_auc_100: 0.5057
Epoch 120/500
267/267 [=====] - 1s 3ms/step - loss: 23.5842 -
auc_100: 0.4972 - val_loss: 14.1561 - val_auc_100: 0.5119
Epoch 121/500
267/267 [=====] - 1s 3ms/step - loss: 20.3902 -
auc_100: 0.5008 - val_loss: 6.4363 - val_auc_100: 0.5107
Epoch 122/500
267/267 [=====] - 1s 3ms/step - loss: 17.7039 -
auc_100: 0.5056 - val_loss: 25.6034 - val_auc_100: 0.5116
Epoch 123/500
267/267 [=====] - 1s 3ms/step - loss: 19.7721 -
auc_100: 0.5054 - val_loss: 22.2103 - val_auc_100: 0.4952
Epoch 124/500
267/267 [=====] - 1s 3ms/step - loss: 18.0267 -
auc_100: 0.5068 - val_loss: 7.4824 - val_auc_100: 0.4929
Epoch 125/500
267/267 [=====] - 1s 3ms/step - loss: 20.1382 -
auc_100: 0.5030 - val_loss: 21.2226 - val_auc_100: 0.5057
Epoch 126/500

267/267 [=====] - 1s 3ms/step - loss: 22.1774 -
 auc_100: 0.5029 - val_loss: 24.0950 - val_auc_100: 0.5065
 Epoch 127/500
 267/267 [=====] - 1s 3ms/step - loss: 15.8852 -
 auc_100: 0.5026 - val_loss: 9.4676 - val_auc_100: 0.4846
 Epoch 128/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7739 -
 auc_100: 0.5003 - val_loss: 17.1835 - val_auc_100: 0.5079
 Epoch 129/500
 267/267 [=====] - 1s 3ms/step - loss: 17.6044 -
 auc_100: 0.5035 - val_loss: 20.1637 - val_auc_100: 0.4915
 Epoch 130/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3540 -
 auc_100: 0.5018 - val_loss: 19.5258 - val_auc_100: 0.5002
 Epoch 131/500
 267/267 [=====] - 1s 3ms/step - loss: 22.9771 -
 auc_100: 0.5019 - val_loss: 12.2825 - val_auc_100: 0.5163
 Epoch 132/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0449 -
 auc_100: 0.5075 - val_loss: 29.2268 - val_auc_100: 0.4929
 Epoch 133/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9946 -
 auc_100: 0.5016 - val_loss: 21.5449 - val_auc_100: 0.5123
 Epoch 134/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4459 -
 auc_100: 0.5005 - val_loss: 24.0176 - val_auc_100: 0.4930
 Epoch 135/500
 267/267 [=====] - 1s 3ms/step - loss: 16.4842 -
 auc_100: 0.5029 - val_loss: 21.0403 - val_auc_100: 0.4997
 Epoch 136/500
 267/267 [=====] - 1s 3ms/step - loss: 25.0971 -
 auc_100: 0.5076 - val_loss: 4.0382 - val_auc_100: 0.5016
 Epoch 137/500
 267/267 [=====] - 1s 3ms/step - loss: 15.9818 -
 auc_100: 0.5042 - val_loss: 24.5751 - val_auc_100: 0.4947
 Epoch 138/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9385 -
 auc_100: 0.5015 - val_loss: 10.2750 - val_auc_100: 0.4993
 Epoch 139/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3647 -
 auc_100: 0.5037 - val_loss: 8.5690 - val_auc_100: 0.4980
 Epoch 140/500
 267/267 [=====] - 1s 3ms/step - loss: 23.2800 -
 auc_100: 0.5017 - val_loss: 22.6326 - val_auc_100: 0.4999
 Epoch 141/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2492 -
 auc_100: 0.4973 - val_loss: 21.2150 - val_auc_100: 0.5154
 Epoch 142/500

267/267 [=====] - 1s 3ms/step - loss: 17.9586 -
auc_100: 0.5055 - val_loss: 14.3639 - val_auc_100: 0.5017
Epoch 143/500
267/267 [=====] - 1s 3ms/step - loss: 20.4114 -
auc_100: 0.5001 - val_loss: 14.9473 - val_auc_100: 0.4913
Epoch 144/500
267/267 [=====] - 1s 3ms/step - loss: 22.0101 -
auc_100: 0.5028 - val_loss: 15.5618 - val_auc_100: 0.4962
Epoch 145/500
267/267 [=====] - 1s 3ms/step - loss: 22.9313 -
auc_100: 0.5040 - val_loss: 10.7431 - val_auc_100: 0.5077
Epoch 146/500
267/267 [=====] - 1s 3ms/step - loss: 18.1180 -
auc_100: 0.5044 - val_loss: 19.7025 - val_auc_100: 0.5057
Epoch 147/500
267/267 [=====] - 1s 3ms/step - loss: 17.7831 -
auc_100: 0.5017 - val_loss: 25.3975 - val_auc_100: 0.5086
Epoch 148/500
267/267 [=====] - 1s 3ms/step - loss: 17.2358 -
auc_100: 0.5044 - val_loss: 12.0762 - val_auc_100: 0.5026
Epoch 149/500
267/267 [=====] - 1s 3ms/step - loss: 16.5974 -
auc_100: 0.5015 - val_loss: 13.0527 - val_auc_100: 0.5140
Epoch 150/500
267/267 [=====] - 1s 3ms/step - loss: 19.3935 -
auc_100: 0.5045 - val_loss: 24.4028 - val_auc_100: 0.5062
Epoch 151/500
267/267 [=====] - 1s 3ms/step - loss: 24.6535 -
auc_100: 0.5017 - val_loss: 16.6412 - val_auc_100: 0.5050
Epoch 152/500
267/267 [=====] - 1s 3ms/step - loss: 17.2730 -
auc_100: 0.5062 - val_loss: 20.2161 - val_auc_100: 0.5031
Epoch 153/500
267/267 [=====] - 1s 3ms/step - loss: 21.3229 -
auc_100: 0.5044 - val_loss: 30.2865 - val_auc_100: 0.5023
Epoch 154/500
267/267 [=====] - 1s 3ms/step - loss: 21.7996 -
auc_100: 0.5041 - val_loss: 34.4444 - val_auc_100: 0.5032
Epoch 155/500
267/267 [=====] - 1s 3ms/step - loss: 20.6029 -
auc_100: 0.5008 - val_loss: 22.4927 - val_auc_100: 0.5068
Epoch 156/500
267/267 [=====] - 1s 3ms/step - loss: 20.1052 -
auc_100: 0.5018 - val_loss: 4.8123 - val_auc_100: 0.4998
Epoch 157/500
267/267 [=====] - 1s 3ms/step - loss: 23.9439 -
auc_100: 0.5017 - val_loss: 17.8916 - val_auc_100: 0.4989
Epoch 158/500

267/267 [=====] - 1s 3ms/step - loss: 17.9692 -
auc_100: 0.5042 - val_loss: 15.1131 - val_auc_100: 0.5005
Epoch 159/500
267/267 [=====] - 1s 3ms/step - loss: 21.3798 -
auc_100: 0.5042 - val_loss: 27.2795 - val_auc_100: 0.5077
Epoch 160/500
267/267 [=====] - 1s 3ms/step - loss: 20.8565 -
auc_100: 0.5029 - val_loss: 6.2862 - val_auc_100: 0.4994
Epoch 161/500
267/267 [=====] - 1s 3ms/step - loss: 21.4147 -
auc_100: 0.5020 - val_loss: 24.5568 - val_auc_100: 0.4945
Epoch 162/500
267/267 [=====] - 1s 3ms/step - loss: 24.6055 -
auc_100: 0.5045 - val_loss: 27.4852 - val_auc_100: 0.5078
Epoch 163/500
267/267 [=====] - 1s 3ms/step - loss: 19.1161 -
auc_100: 0.5003 - val_loss: 6.5994 - val_auc_100: 0.5006
Epoch 164/500
267/267 [=====] - 1s 3ms/step - loss: 21.0945 -
auc_100: 0.5025 - val_loss: 7.5593 - val_auc_100: 0.5056
Epoch 165/500
267/267 [=====] - 1s 3ms/step - loss: 19.5871 -
auc_100: 0.5052 - val_loss: 10.0723 - val_auc_100: 0.5095
Epoch 166/500
267/267 [=====] - 1s 3ms/step - loss: 16.0798 -
auc_100: 0.5056 - val_loss: 17.7132 - val_auc_100: 0.4987
Epoch 167/500
267/267 [=====] - 1s 3ms/step - loss: 22.8645 -
auc_100: 0.5019 - val_loss: 27.5086 - val_auc_100: 0.5151
Epoch 168/500
267/267 [=====] - 1s 3ms/step - loss: 19.1158 -
auc_100: 0.5045 - val_loss: 28.1367 - val_auc_100: 0.4913
Epoch 169/500
267/267 [=====] - 1s 3ms/step - loss: 19.9815 -
auc_100: 0.5024 - val_loss: 16.5181 - val_auc_100: 0.4908
Epoch 170/500
267/267 [=====] - 1s 3ms/step - loss: 21.5392 -
auc_100: 0.5020 - val_loss: 18.7798 - val_auc_100: 0.4931
Epoch 171/500
267/267 [=====] - 1s 3ms/step - loss: 17.7473 -
auc_100: 0.5016 - val_loss: 31.6601 - val_auc_100: 0.5034
Epoch 172/500
267/267 [=====] - 1s 3ms/step - loss: 19.4841 -
auc_100: 0.5060 - val_loss: 5.1009 - val_auc_100: 0.5027
Epoch 173/500
267/267 [=====] - 1s 3ms/step - loss: 19.5335 -
auc_100: 0.5020 - val_loss: 30.5162 - val_auc_100: 0.4996
Epoch 174/500

267/267 [=====] - 1s 3ms/step - loss: 20.2429 -
auc_100: 0.5023 - val_loss: 28.5503 - val_auc_100: 0.4913
Epoch 175/500
267/267 [=====] - 1s 3ms/step - loss: 17.7120 -
auc_100: 0.5006 - val_loss: 19.5159 - val_auc_100: 0.4934
Epoch 176/500
267/267 [=====] - 1s 3ms/step - loss: 21.0658 -
auc_100: 0.5036 - val_loss: 26.2322 - val_auc_100: 0.4955
Epoch 177/500
267/267 [=====] - 1s 3ms/step - loss: 21.5871 -
auc_100: 0.5048 - val_loss: 21.9204 - val_auc_100: 0.4896
Epoch 178/500
267/267 [=====] - 1s 3ms/step - loss: 19.0606 -
auc_100: 0.5049 - val_loss: 21.0177 - val_auc_100: 0.5102
Epoch 179/500
267/267 [=====] - 1s 3ms/step - loss: 19.3218 -
auc_100: 0.5015 - val_loss: 23.0591 - val_auc_100: 0.5024
Epoch 180/500
267/267 [=====] - 1s 3ms/step - loss: 25.7629 -
auc_100: 0.5023 - val_loss: 18.9486 - val_auc_100: 0.4966
Epoch 181/500
267/267 [=====] - 1s 3ms/step - loss: 18.5250 -
auc_100: 0.5033 - val_loss: 37.5088 - val_auc_100: 0.4953
Epoch 182/500
267/267 [=====] - 1s 3ms/step - loss: 16.5620 -
auc_100: 0.5021 - val_loss: 21.1768 - val_auc_100: 0.4978
Epoch 183/500
267/267 [=====] - 1s 3ms/step - loss: 19.7130 -
auc_100: 0.5021 - val_loss: 24.1946 - val_auc_100: 0.4955
Epoch 184/500
267/267 [=====] - 1s 3ms/step - loss: 18.4413 -
auc_100: 0.5017 - val_loss: 10.2146 - val_auc_100: 0.5035
Epoch 185/500
267/267 [=====] - 1s 3ms/step - loss: 22.4393 -
auc_100: 0.5000 - val_loss: 22.1410 - val_auc_100: 0.4995
Epoch 186/500
267/267 [=====] - 1s 3ms/step - loss: 21.1043 -
auc_100: 0.5033 - val_loss: 10.0548 - val_auc_100: 0.5005
Epoch 187/500
267/267 [=====] - 1s 3ms/step - loss: 21.8302 -
auc_100: 0.5049 - val_loss: 24.6001 - val_auc_100: 0.4959
Epoch 188/500
267/267 [=====] - 1s 3ms/step - loss: 17.6205 -
auc_100: 0.5021 - val_loss: 28.2667 - val_auc_100: 0.5098
Epoch 189/500
267/267 [=====] - 1s 3ms/step - loss: 18.6022 -
auc_100: 0.5003 - val_loss: 14.7516 - val_auc_100: 0.5056
Epoch 190/500

267/267 [=====] - 1s 3ms/step - loss: 21.1765 -
auc_100: 0.5039 - val_loss: 25.0865 - val_auc_100: 0.5042
Epoch 191/500
267/267 [=====] - 1s 3ms/step - loss: 25.3063 -
auc_100: 0.5039 - val_loss: 11.5509 - val_auc_100: 0.5066
Epoch 192/500
267/267 [=====] - 1s 3ms/step - loss: 20.3966 -
auc_100: 0.5016 - val_loss: 35.8175 - val_auc_100: 0.5024
Epoch 193/500
267/267 [=====] - 1s 3ms/step - loss: 21.4903 -
auc_100: 0.5000 - val_loss: 42.6283 - val_auc_100: 0.5085
Epoch 194/500
267/267 [=====] - 1s 3ms/step - loss: 23.1618 -
auc_100: 0.4982 - val_loss: 24.5240 - val_auc_100: 0.5042
Epoch 195/500
267/267 [=====] - 1s 3ms/step - loss: 20.6901 -
auc_100: 0.5023 - val_loss: 32.6810 - val_auc_100: 0.5081
Epoch 196/500
267/267 [=====] - 1s 3ms/step - loss: 19.8189 -
auc_100: 0.5001 - val_loss: 15.1315 - val_auc_100: 0.5036
Epoch 197/500
267/267 [=====] - 1s 3ms/step - loss: 20.4042 -
auc_100: 0.5034 - val_loss: 27.6160 - val_auc_100: 0.5141
Epoch 198/500
267/267 [=====] - 1s 3ms/step - loss: 17.9765 -
auc_100: 0.5049 - val_loss: 23.5596 - val_auc_100: 0.4954
Epoch 199/500
267/267 [=====] - 1s 3ms/step - loss: 21.3673 -
auc_100: 0.4995 - val_loss: 40.4416 - val_auc_100: 0.4976
Epoch 200/500
267/267 [=====] - 1s 3ms/step - loss: 20.2290 -
auc_100: 0.5046 - val_loss: 8.4800 - val_auc_100: 0.5005
Epoch 201/500
267/267 [=====] - 1s 3ms/step - loss: 24.6826 -
auc_100: 0.5027 - val_loss: 19.6107 - val_auc_100: 0.5025
Epoch 202/500
267/267 [=====] - 1s 3ms/step - loss: 24.2963 -
auc_100: 0.5016 - val_loss: 44.8231 - val_auc_100: 0.5013
Epoch 203/500
267/267 [=====] - 1s 3ms/step - loss: 19.7462 -
auc_100: 0.5038 - val_loss: 6.9920 - val_auc_100: 0.4908
Epoch 204/500
267/267 [=====] - 1s 3ms/step - loss: 21.2886 -
auc_100: 0.5018 - val_loss: 13.9767 - val_auc_100: 0.5011
Epoch 205/500
267/267 [=====] - 1s 3ms/step - loss: 21.4461 -
auc_100: 0.5042 - val_loss: 8.3619 - val_auc_100: 0.5063
Epoch 206/500

267/267 [=====] - 1s 3ms/step - loss: 17.6611 -
auc_100: 0.5023 - val_loss: 30.0825 - val_auc_100: 0.5009
Epoch 207/500
267/267 [=====] - 1s 3ms/step - loss: 15.6054 -
auc_100: 0.5018 - val_loss: 11.8094 - val_auc_100: 0.5009
Epoch 208/500
267/267 [=====] - 1s 3ms/step - loss: 22.9850 -
auc_100: 0.5011 - val_loss: 33.3052 - val_auc_100: 0.4948
Epoch 209/500
267/267 [=====] - 1s 3ms/step - loss: 22.7168 -
auc_100: 0.5012 - val_loss: 22.8473 - val_auc_100: 0.4969
Epoch 210/500
267/267 [=====] - 1s 3ms/step - loss: 17.0694 -
auc_100: 0.5024 - val_loss: 37.0781 - val_auc_100: 0.5129
Epoch 211/500
267/267 [=====] - 1s 3ms/step - loss: 19.9853 -
auc_100: 0.5015 - val_loss: 7.5538 - val_auc_100: 0.5042
Epoch 212/500
267/267 [=====] - 1s 3ms/step - loss: 20.9006 -
auc_100: 0.5026 - val_loss: 9.8515 - val_auc_100: 0.5024
Epoch 213/500
267/267 [=====] - 1s 3ms/step - loss: 16.2201 -
auc_100: 0.4998 - val_loss: 22.4721 - val_auc_100: 0.5069
Epoch 214/500
267/267 [=====] - 1s 3ms/step - loss: 21.2157 -
auc_100: 0.4973 - val_loss: 23.7171 - val_auc_100: 0.4993
Epoch 215/500
267/267 [=====] - 1s 3ms/step - loss: 16.3852 -
auc_100: 0.5021 - val_loss: 16.5898 - val_auc_100: 0.5023
Epoch 216/500
267/267 [=====] - 1s 3ms/step - loss: 16.4309 -
auc_100: 0.5012 - val_loss: 37.8917 - val_auc_100: 0.5068
Epoch 217/500
267/267 [=====] - 1s 3ms/step - loss: 18.9538 -
auc_100: 0.5009 - val_loss: 18.8844 - val_auc_100: 0.5112
Epoch 218/500
267/267 [=====] - 1s 3ms/step - loss: 19.9093 -
auc_100: 0.5018 - val_loss: 17.4795 - val_auc_100: 0.4956
Epoch 219/500
267/267 [=====] - 1s 3ms/step - loss: 19.4963 -
auc_100: 0.5015 - val_loss: 7.6277 - val_auc_100: 0.4962
Epoch 220/500
267/267 [=====] - 1s 3ms/step - loss: 20.4919 -
auc_100: 0.5044 - val_loss: 22.8386 - val_auc_100: 0.4882
Epoch 221/500
267/267 [=====] - 1s 3ms/step - loss: 22.3397 -
auc_100: 0.5009 - val_loss: 16.0865 - val_auc_100: 0.4939
Epoch 222/500

267/267 [=====] - 1s 3ms/step - loss: 21.7136 -
 auc_100: 0.5041 - val_loss: 19.1807 - val_auc_100: 0.5114
 Epoch 223/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2916 -
 auc_100: 0.5010 - val_loss: 24.7352 - val_auc_100: 0.4940
 Epoch 224/500
 267/267 [=====] - 1s 3ms/step - loss: 18.8738 -
 auc_100: 0.4982 - val_loss: 10.0661 - val_auc_100: 0.5213
 Epoch 225/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0889 -
 auc_100: 0.5022 - val_loss: 24.0666 - val_auc_100: 0.5042
 Epoch 226/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0802 -
 auc_100: 0.5001 - val_loss: 12.6215 - val_auc_100: 0.5051
 Epoch 227/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6854 -
 auc_100: 0.5049 - val_loss: 21.7921 - val_auc_100: 0.5084
 Epoch 228/500
 267/267 [=====] - 1s 3ms/step - loss: 22.0775 -
 auc_100: 0.5041 - val_loss: 11.5694 - val_auc_100: 0.5057
 Epoch 229/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4770 -
 auc_100: 0.5058 - val_loss: 27.1933 - val_auc_100: 0.5020
 Epoch 230/500
 267/267 [=====] - 1s 3ms/step - loss: 23.2042 -
 auc_100: 0.5032 - val_loss: 7.7636 - val_auc_100: 0.5115
 Epoch 231/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3005 -
 auc_100: 0.5074 - val_loss: 20.7896 - val_auc_100: 0.5070
 Epoch 232/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0932 -
 auc_100: 0.5021 - val_loss: 12.7574 - val_auc_100: 0.4890
 Epoch 233/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1180 -
 auc_100: 0.5042 - val_loss: 19.4292 - val_auc_100: 0.5003
 Epoch 234/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7105 -
 auc_100: 0.5005 - val_loss: 15.7589 - val_auc_100: 0.5072
 Epoch 235/500
 267/267 [=====] - 1s 3ms/step - loss: 18.5978 -
 auc_100: 0.5051 - val_loss: 9.8042 - val_auc_100: 0.4900
 Epoch 236/500
 267/267 [=====] - 1s 3ms/step - loss: 17.7973 -
 auc_100: 0.4997 - val_loss: 10.2910 - val_auc_100: 0.5061
 Epoch 237/500
 267/267 [=====] - 1s 3ms/step - loss: 22.3513 -
 auc_100: 0.5030 - val_loss: 15.8104 - val_auc_100: 0.5053
 Epoch 238/500

267/267 [=====] - 1s 3ms/step - loss: 21.5561 -
 auc_100: 0.5039 - val_loss: 23.4320 - val_auc_100: 0.5013
 Epoch 239/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2274 -
 auc_100: 0.5037 - val_loss: 12.8482 - val_auc_100: 0.5132
 Epoch 240/500
 267/267 [=====] - 1s 3ms/step - loss: 21.3110 -
 auc_100: 0.5024 - val_loss: 18.2857 - val_auc_100: 0.4984
 Epoch 241/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2594 -
 auc_100: 0.5027 - val_loss: 15.2237 - val_auc_100: 0.4946
 Epoch 242/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6435 -
 auc_100: 0.5058 - val_loss: 21.2931 - val_auc_100: 0.5098
 Epoch 243/500
 267/267 [=====] - 1s 3ms/step - loss: 19.6223 -
 auc_100: 0.5025 - val_loss: 16.7645 - val_auc_100: 0.5087
 Epoch 244/500
 267/267 [=====] - 1s 3ms/step - loss: 21.4297 -
 auc_100: 0.5017 - val_loss: 16.4575 - val_auc_100: 0.4909
 Epoch 245/500
 267/267 [=====] - 1s 3ms/step - loss: 24.0790 -
 auc_100: 0.5050 - val_loss: 38.3530 - val_auc_100: 0.5165
 Epoch 246/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3737 -
 auc_100: 0.5030 - val_loss: 13.0750 - val_auc_100: 0.4927
 Epoch 247/500
 267/267 [=====] - 1s 3ms/step - loss: 19.0701 -
 auc_100: 0.5000 - val_loss: 11.7526 - val_auc_100: 0.5151
 Epoch 248/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1393 -
 auc_100: 0.5033 - val_loss: 19.3702 - val_auc_100: 0.4962
 Epoch 249/500
 267/267 [=====] - 1s 3ms/step - loss: 17.2279 -
 auc_100: 0.5018 - val_loss: 11.4707 - val_auc_100: 0.5052
 Epoch 250/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9256 -
 auc_100: 0.4992 - val_loss: 33.0795 - val_auc_100: 0.4915
 Epoch 251/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9215 -
 auc_100: 0.5013 - val_loss: 24.2783 - val_auc_100: 0.5076
 Epoch 252/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1243 -
 auc_100: 0.5039 - val_loss: 24.4286 - val_auc_100: 0.5116
 Epoch 253/500
 267/267 [=====] - 1s 3ms/step - loss: 21.2808 -
 auc_100: 0.5004 - val_loss: 14.2337 - val_auc_100: 0.4945
 Epoch 254/500

267/267 [=====] - 1s 3ms/step - loss: 19.9197 -
auc_100: 0.4996 - val_loss: 8.0667 - val_auc_100: 0.5022
Epoch 255/500
267/267 [=====] - 1s 3ms/step - loss: 18.7417 -
auc_100: 0.5037 - val_loss: 16.9661 - val_auc_100: 0.5070
Epoch 256/500
267/267 [=====] - 1s 3ms/step - loss: 19.3823 -
auc_100: 0.5041 - val_loss: 17.1948 - val_auc_100: 0.5023
Epoch 257/500
267/267 [=====] - 1s 3ms/step - loss: 15.7493 -
auc_100: 0.5032 - val_loss: 24.9226 - val_auc_100: 0.4957
Epoch 258/500
267/267 [=====] - 1s 3ms/step - loss: 20.7678 -
auc_100: 0.5005 - val_loss: 16.6976 - val_auc_100: 0.5066
Epoch 259/500
267/267 [=====] - 1s 3ms/step - loss: 19.0502 -
auc_100: 0.5061 - val_loss: 18.9810 - val_auc_100: 0.5001
Epoch 260/500
267/267 [=====] - 1s 3ms/step - loss: 22.7633 -
auc_100: 0.5054 - val_loss: 9.2796 - val_auc_100: 0.5061
Epoch 261/500
267/267 [=====] - 1s 3ms/step - loss: 13.5346 -
auc_100: 0.5011 - val_loss: 24.0742 - val_auc_100: 0.5065
Epoch 262/500
267/267 [=====] - 1s 3ms/step - loss: 22.5471 -
auc_100: 0.5029 - val_loss: 24.2965 - val_auc_100: 0.5116
Epoch 263/500
267/267 [=====] - 1s 3ms/step - loss: 20.2674 -
auc_100: 0.5023 - val_loss: 18.7964 - val_auc_100: 0.5102
Epoch 264/500
267/267 [=====] - 1s 3ms/step - loss: 18.4805 -
auc_100: 0.5057 - val_loss: 19.4439 - val_auc_100: 0.4891
Epoch 265/500
267/267 [=====] - 1s 3ms/step - loss: 17.5524 -
auc_100: 0.5039 - val_loss: 19.9219 - val_auc_100: 0.4947
Epoch 266/500
267/267 [=====] - 1s 3ms/step - loss: 18.7092 -
auc_100: 0.5019 - val_loss: 27.8515 - val_auc_100: 0.4878
Epoch 267/500
267/267 [=====] - 1s 3ms/step - loss: 21.4825 -
auc_100: 0.5021 - val_loss: 28.4772 - val_auc_100: 0.5047
Epoch 268/500
267/267 [=====] - 1s 3ms/step - loss: 20.0507 -
auc_100: 0.5055 - val_loss: 19.9372 - val_auc_100: 0.5094
Epoch 269/500
267/267 [=====] - 1s 3ms/step - loss: 18.5190 -
auc_100: 0.5038 - val_loss: 18.8595 - val_auc_100: 0.5015
Epoch 270/500

267/267 [=====] - 1s 3ms/step - loss: 22.3739 -
auc_100: 0.5038 - val_loss: 19.0380 - val_auc_100: 0.5033
Epoch 271/500
267/267 [=====] - 1s 3ms/step - loss: 15.8980 -
auc_100: 0.4990 - val_loss: 16.7656 - val_auc_100: 0.5019
Epoch 272/500
267/267 [=====] - 1s 3ms/step - loss: 14.9718 -
auc_100: 0.5004 - val_loss: 21.1215 - val_auc_100: 0.5036
Epoch 273/500
267/267 [=====] - 1s 3ms/step - loss: 18.6503 -
auc_100: 0.4997 - val_loss: 10.7713 - val_auc_100: 0.5049
Epoch 274/500
267/267 [=====] - 1s 3ms/step - loss: 18.8703 -
auc_100: 0.5053 - val_loss: 16.7801 - val_auc_100: 0.5010
Epoch 275/500
267/267 [=====] - 1s 3ms/step - loss: 16.9914 -
auc_100: 0.5031 - val_loss: 6.5468 - val_auc_100: 0.5098
Epoch 276/500
267/267 [=====] - 1s 3ms/step - loss: 16.0347 -
auc_100: 0.5084 - val_loss: 11.8718 - val_auc_100: 0.5111
Epoch 277/500
267/267 [=====] - 1s 3ms/step - loss: 18.9634 -
auc_100: 0.5000 - val_loss: 18.2042 - val_auc_100: 0.5118
Epoch 278/500
267/267 [=====] - 1s 3ms/step - loss: 20.1165 -
auc_100: 0.5046 - val_loss: 30.2807 - val_auc_100: 0.5017
Epoch 279/500
267/267 [=====] - 1s 3ms/step - loss: 15.7832 -
auc_100: 0.5011 - val_loss: 16.3549 - val_auc_100: 0.5001
Epoch 280/500
267/267 [=====] - 1s 3ms/step - loss: 16.4540 -
auc_100: 0.5062 - val_loss: 21.4121 - val_auc_100: 0.5044
Epoch 281/500
267/267 [=====] - 1s 3ms/step - loss: 21.2433 -
auc_100: 0.5028 - val_loss: 29.8179 - val_auc_100: 0.4898
Epoch 282/500
267/267 [=====] - 1s 3ms/step - loss: 21.8709 -
auc_100: 0.4999 - val_loss: 6.7725 - val_auc_100: 0.4991
Epoch 283/500
267/267 [=====] - 1s 3ms/step - loss: 18.3761 -
auc_100: 0.5010 - val_loss: 22.8981 - val_auc_100: 0.5033
Epoch 284/500
267/267 [=====] - 1s 3ms/step - loss: 19.0336 -
auc_100: 0.5034 - val_loss: 22.7332 - val_auc_100: 0.4963
Epoch 285/500
267/267 [=====] - 1s 3ms/step - loss: 19.0394 -
auc_100: 0.5031 - val_loss: 20.2309 - val_auc_100: 0.4933
Epoch 286/500

267/267 [=====] - 1s 3ms/step - loss: 21.0009 -
 auc_100: 0.4994 - val_loss: 44.3648 - val_auc_100: 0.4993
 Epoch 287/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6350 -
 auc_100: 0.5006 - val_loss: 52.4470 - val_auc_100: 0.5105
 Epoch 288/500
 267/267 [=====] - 1s 3ms/step - loss: 23.1926 -
 auc_100: 0.5035 - val_loss: 13.6663 - val_auc_100: 0.5101
 Epoch 289/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5679 -
 auc_100: 0.5024 - val_loss: 11.0212 - val_auc_100: 0.4953
 Epoch 290/500
 267/267 [=====] - 1s 3ms/step - loss: 21.4546 -
 auc_100: 0.5030 - val_loss: 14.7583 - val_auc_100: 0.5059
 Epoch 291/500
 267/267 [=====] - 1s 3ms/step - loss: 18.0895 -
 auc_100: 0.5037 - val_loss: 10.7989 - val_auc_100: 0.5089
 Epoch 292/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1644 -
 auc_100: 0.5046 - val_loss: 12.3873 - val_auc_100: 0.4989
 Epoch 293/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4156 -
 auc_100: 0.5047 - val_loss: 11.2693 - val_auc_100: 0.5017
 Epoch 294/500
 267/267 [=====] - 1s 3ms/step - loss: 22.7722 -
 auc_100: 0.5020 - val_loss: 15.2847 - val_auc_100: 0.5074
 Epoch 295/500
 267/267 [=====] - 1s 3ms/step - loss: 15.8615 -
 auc_100: 0.5009 - val_loss: 9.0229 - val_auc_100: 0.4986
 Epoch 296/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4358 -
 auc_100: 0.5036 - val_loss: 10.1847 - val_auc_100: 0.4932
 Epoch 297/500
 267/267 [=====] - 1s 3ms/step - loss: 22.2187 -
 auc_100: 0.5023 - val_loss: 26.2739 - val_auc_100: 0.5095
 Epoch 298/500
 267/267 [=====] - 1s 3ms/step - loss: 23.8681 -
 auc_100: 0.5019 - val_loss: 38.6358 - val_auc_100: 0.5166
 Epoch 299/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9739 -
 auc_100: 0.5006 - val_loss: 8.7912 - val_auc_100: 0.5015
 Epoch 300/500
 267/267 [=====] - 1s 3ms/step - loss: 21.1631 -
 auc_100: 0.5054 - val_loss: 53.8942 - val_auc_100: 0.5100
 Epoch 301/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5687 -
 auc_100: 0.5023 - val_loss: 16.6347 - val_auc_100: 0.5003
 Epoch 302/500

267/267 [=====] - 1s 3ms/step - loss: 17.0970 -
 auc_100: 0.5008 - val_loss: 13.1492 - val_auc_100: 0.5081
 Epoch 303/500
 267/267 [=====] - 1s 3ms/step - loss: 24.8157 -
 auc_100: 0.5012 - val_loss: 10.0006 - val_auc_100: 0.5127
 Epoch 304/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1801 -
 auc_100: 0.5034 - val_loss: 9.8933 - val_auc_100: 0.4928
 Epoch 305/500
 267/267 [=====] - 1s 3ms/step - loss: 17.4507 -
 auc_100: 0.5020 - val_loss: 12.2198 - val_auc_100: 0.5066
 Epoch 306/500
 267/267 [=====] - 1s 3ms/step - loss: 19.3308 -
 auc_100: 0.5020 - val_loss: 10.0456 - val_auc_100: 0.4968
 Epoch 307/500
 267/267 [=====] - 1s 3ms/step - loss: 22.1781 -
 auc_100: 0.5031 - val_loss: 23.0007 - val_auc_100: 0.4991
 Epoch 308/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2572 -
 auc_100: 0.5010 - val_loss: 10.5990 - val_auc_100: 0.5140
 Epoch 309/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2486 -
 auc_100: 0.5052 - val_loss: 31.4770 - val_auc_100: 0.5058
 Epoch 310/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7872 -
 auc_100: 0.5032 - val_loss: 19.6115 - val_auc_100: 0.5182
 Epoch 311/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4782 -
 auc_100: 0.5062 - val_loss: 13.4031 - val_auc_100: 0.4970
 Epoch 312/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5550 -
 auc_100: 0.5022 - val_loss: 13.6028 - val_auc_100: 0.5049
 Epoch 313/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2088 -
 auc_100: 0.5010 - val_loss: 17.4100 - val_auc_100: 0.5087
 Epoch 314/500
 267/267 [=====] - 1s 3ms/step - loss: 19.5861 -
 auc_100: 0.5003 - val_loss: 19.3282 - val_auc_100: 0.4920
 Epoch 315/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0458 -
 auc_100: 0.5008 - val_loss: 16.5234 - val_auc_100: 0.5002
 Epoch 316/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4931 -
 auc_100: 0.5024 - val_loss: 37.6623 - val_auc_100: 0.4878
 Epoch 317/500
 267/267 [=====] - 1s 3ms/step - loss: 22.8967 -
 auc_100: 0.5018 - val_loss: 50.4632 - val_auc_100: 0.5026
 Epoch 318/500

267/267 [=====] - 1s 3ms/step - loss: 23.9455 -
auc_100: 0.5033 - val_loss: 15.5827 - val_auc_100: 0.4921
Epoch 319/500
267/267 [=====] - 1s 3ms/step - loss: 17.7139 -
auc_100: 0.5036 - val_loss: 41.0956 - val_auc_100: 0.5092
Epoch 320/500
267/267 [=====] - 1s 3ms/step - loss: 21.3132 -
auc_100: 0.5050 - val_loss: 21.0359 - val_auc_100: 0.5064
Epoch 321/500
267/267 [=====] - 1s 3ms/step - loss: 21.5537 -
auc_100: 0.5030 - val_loss: 38.1978 - val_auc_100: 0.4893
Epoch 322/500
267/267 [=====] - 1s 3ms/step - loss: 23.0021 -
auc_100: 0.4966 - val_loss: 32.4585 - val_auc_100: 0.5047
Epoch 323/500
267/267 [=====] - 1s 3ms/step - loss: 17.3189 -
auc_100: 0.5041 - val_loss: 31.5022 - val_auc_100: 0.4991
Epoch 324/500
267/267 [=====] - 1s 3ms/step - loss: 19.0644 -
auc_100: 0.5037 - val_loss: 10.0630 - val_auc_100: 0.4960
Epoch 325/500
267/267 [=====] - 1s 3ms/step - loss: 15.4898 -
auc_100: 0.5033 - val_loss: 15.1683 - val_auc_100: 0.5079
Epoch 326/500
267/267 [=====] - 1s 3ms/step - loss: 24.8381 -
auc_100: 0.5034 - val_loss: 18.9025 - val_auc_100: 0.4990
Epoch 327/500
267/267 [=====] - 1s 3ms/step - loss: 17.4826 -
auc_100: 0.5036 - val_loss: 9.7353 - val_auc_100: 0.4865
Epoch 328/500
267/267 [=====] - 1s 3ms/step - loss: 18.5962 -
auc_100: 0.5060 - val_loss: 15.3421 - val_auc_100: 0.4987
Epoch 329/500
267/267 [=====] - 1s 3ms/step - loss: 21.8170 -
auc_100: 0.5041 - val_loss: 15.5417 - val_auc_100: 0.5150
Epoch 330/500
267/267 [=====] - 1s 3ms/step - loss: 22.3850 -
auc_100: 0.5011 - val_loss: 27.5244 - val_auc_100: 0.4984
Epoch 331/500
267/267 [=====] - 1s 3ms/step - loss: 18.1099 -
auc_100: 0.5031 - val_loss: 15.9227 - val_auc_100: 0.5069
Epoch 332/500
267/267 [=====] - 1s 3ms/step - loss: 22.2033 -
auc_100: 0.5025 - val_loss: 10.9499 - val_auc_100: 0.4936
Epoch 333/500
267/267 [=====] - 1s 3ms/step - loss: 17.2393 -
auc_100: 0.4990 - val_loss: 9.0651 - val_auc_100: 0.5087
Epoch 334/500

267/267 [=====] - 1s 3ms/step - loss: 24.4260 -
 auc_100: 0.5027 - val_loss: 50.0845 - val_auc_100: 0.5124
 Epoch 335/500
 267/267 [=====] - 1s 3ms/step - loss: 23.9596 -
 auc_100: 0.5009 - val_loss: 19.1946 - val_auc_100: 0.5055
 Epoch 336/500
 267/267 [=====] - 1s 3ms/step - loss: 17.2227 -
 auc_100: 0.5022 - val_loss: 6.7875 - val_auc_100: 0.4997
 Epoch 337/500
 267/267 [=====] - 1s 3ms/step - loss: 17.3811 -
 auc_100: 0.5028 - val_loss: 18.4680 - val_auc_100: 0.4995
 Epoch 338/500
 267/267 [=====] - 1s 3ms/step - loss: 18.1842 -
 auc_100: 0.5020 - val_loss: 29.9215 - val_auc_100: 0.5024
 Epoch 339/500
 267/267 [=====] - 1s 3ms/step - loss: 15.6778 -
 auc_100: 0.5029 - val_loss: 17.6524 - val_auc_100: 0.5026
 Epoch 340/500
 267/267 [=====] - 1s 3ms/step - loss: 23.8864 -
 auc_100: 0.5048 - val_loss: 20.8247 - val_auc_100: 0.4897
 Epoch 341/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1845 -
 auc_100: 0.5020 - val_loss: 23.0491 - val_auc_100: 0.5013
 Epoch 342/500
 267/267 [=====] - 1s 3ms/step - loss: 16.6463 -
 auc_100: 0.5026 - val_loss: 33.4291 - val_auc_100: 0.5041
 Epoch 343/500
 267/267 [=====] - 1s 3ms/step - loss: 17.9656 -
 auc_100: 0.5037 - val_loss: 7.6332 - val_auc_100: 0.4943
 Epoch 344/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1652 -
 auc_100: 0.5016 - val_loss: 23.8014 - val_auc_100: 0.4879
 Epoch 345/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6054 -
 auc_100: 0.5019 - val_loss: 35.7206 - val_auc_100: 0.4940
 Epoch 346/500
 267/267 [=====] - 1s 3ms/step - loss: 21.6790 -
 auc_100: 0.5013 - val_loss: 23.0301 - val_auc_100: 0.5067
 Epoch 347/500
 267/267 [=====] - 1s 3ms/step - loss: 18.2612 -
 auc_100: 0.5028 - val_loss: 18.1235 - val_auc_100: 0.4982
 Epoch 348/500
 267/267 [=====] - 1s 3ms/step - loss: 21.0454 -
 auc_100: 0.5031 - val_loss: 38.1304 - val_auc_100: 0.5019
 Epoch 349/500
 267/267 [=====] - 1s 3ms/step - loss: 16.6232 -
 auc_100: 0.5026 - val_loss: 33.8862 - val_auc_100: 0.5098
 Epoch 350/500

267/267 [=====] - 1s 3ms/step - loss: 21.9734 -
 auc_100: 0.4998 - val_loss: 33.5729 - val_auc_100: 0.4912
 Epoch 351/500
 267/267 [=====] - 1s 3ms/step - loss: 23.7121 -
 auc_100: 0.5042 - val_loss: 28.5436 - val_auc_100: 0.5092
 Epoch 352/500
 267/267 [=====] - 1s 3ms/step - loss: 17.2678 -
 auc_100: 0.5063 - val_loss: 10.6028 - val_auc_100: 0.4944
 Epoch 353/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8193 -
 auc_100: 0.4999 - val_loss: 17.6533 - val_auc_100: 0.5122
 Epoch 354/500
 267/267 [=====] - 1s 3ms/step - loss: 21.2919 -
 auc_100: 0.5079 - val_loss: 7.9065 - val_auc_100: 0.5081
 Epoch 355/500
 267/267 [=====] - 1s 3ms/step - loss: 22.7623 -
 auc_100: 0.5006 - val_loss: 10.6270 - val_auc_100: 0.5097
 Epoch 356/500
 267/267 [=====] - 1s 3ms/step - loss: 17.1874 -
 auc_100: 0.5027 - val_loss: 31.4591 - val_auc_100: 0.5034
 Epoch 357/500
 267/267 [=====] - 1s 3ms/step - loss: 18.7701 -
 auc_100: 0.5063 - val_loss: 14.8678 - val_auc_100: 0.5070
 Epoch 358/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1244 -
 auc_100: 0.5048 - val_loss: 15.2050 - val_auc_100: 0.5150
 Epoch 359/500
 267/267 [=====] - 1s 3ms/step - loss: 20.3603 -
 auc_100: 0.5040 - val_loss: 11.1170 - val_auc_100: 0.5035
 Epoch 360/500
 267/267 [=====] - 1s 3ms/step - loss: 15.5122 -
 auc_100: 0.5030 - val_loss: 27.1415 - val_auc_100: 0.4912
 Epoch 361/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4794 -
 auc_100: 0.5017 - val_loss: 35.1259 - val_auc_100: 0.5109
 Epoch 362/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5869 -
 auc_100: 0.5024 - val_loss: 50.0102 - val_auc_100: 0.5095
 Epoch 363/500
 267/267 [=====] - 1s 3ms/step - loss: 17.8418 -
 auc_100: 0.5040 - val_loss: 27.1159 - val_auc_100: 0.5012
 Epoch 364/500
 267/267 [=====] - 1s 3ms/step - loss: 20.0993 -
 auc_100: 0.5070 - val_loss: 49.4318 - val_auc_100: 0.5164
 Epoch 365/500
 267/267 [=====] - 1s 3ms/step - loss: 19.9550 -
 auc_100: 0.5012 - val_loss: 11.1347 - val_auc_100: 0.5038
 Epoch 366/500

267/267 [=====] - 1s 3ms/step - loss: 21.7189 -
auc_100: 0.5012 - val_loss: 10.5670 - val_auc_100: 0.5035
Epoch 367/500
267/267 [=====] - 1s 3ms/step - loss: 16.3059 -
auc_100: 0.5041 - val_loss: 54.0665 - val_auc_100: 0.4903
Epoch 368/500
267/267 [=====] - 1s 3ms/step - loss: 22.3278 -
auc_100: 0.5002 - val_loss: 11.5616 - val_auc_100: 0.4890
Epoch 369/500
267/267 [=====] - 1s 3ms/step - loss: 20.2636 -
auc_100: 0.5056 - val_loss: 10.6119 - val_auc_100: 0.4956
Epoch 370/500
267/267 [=====] - 1s 3ms/step - loss: 19.9661 -
auc_100: 0.5022 - val_loss: 14.7330 - val_auc_100: 0.5162
Epoch 371/500
267/267 [=====] - 1s 3ms/step - loss: 17.2481 -
auc_100: 0.5017 - val_loss: 21.7400 - val_auc_100: 0.5059
Epoch 372/500
267/267 [=====] - 1s 3ms/step - loss: 18.3771 -
auc_100: 0.5047 - val_loss: 14.8068 - val_auc_100: 0.5003
Epoch 373/500
267/267 [=====] - 1s 3ms/step - loss: 20.8149 -
auc_100: 0.5040 - val_loss: 56.9494 - val_auc_100: 0.5055
Epoch 374/500
267/267 [=====] - 1s 3ms/step - loss: 20.5025 -
auc_100: 0.5048 - val_loss: 10.7161 - val_auc_100: 0.4937
Epoch 375/500
267/267 [=====] - 1s 3ms/step - loss: 16.0154 -
auc_100: 0.5026 - val_loss: 39.3803 - val_auc_100: 0.4899
Epoch 376/500
267/267 [=====] - 1s 3ms/step - loss: 25.1251 -
auc_100: 0.5002 - val_loss: 10.9840 - val_auc_100: 0.5207
Epoch 377/500
267/267 [=====] - 1s 3ms/step - loss: 19.6406 -
auc_100: 0.5025 - val_loss: 7.6664 - val_auc_100: 0.4975
Epoch 378/500
267/267 [=====] - 1s 3ms/step - loss: 22.2992 -
auc_100: 0.4995 - val_loss: 20.1943 - val_auc_100: 0.4952
Epoch 379/500
267/267 [=====] - 1s 3ms/step - loss: 20.2073 -
auc_100: 0.5033 - val_loss: 8.3013 - val_auc_100: 0.4993
Epoch 380/500
267/267 [=====] - 1s 3ms/step - loss: 16.0800 -
auc_100: 0.5033 - val_loss: 13.3569 - val_auc_100: 0.5104
Epoch 381/500
267/267 [=====] - 1s 3ms/step - loss: 21.2675 -
auc_100: 0.5031 - val_loss: 20.0481 - val_auc_100: 0.5095
Epoch 382/500

267/267 [=====] - 1s 3ms/step - loss: 19.5565 -
 auc_100: 0.5022 - val_loss: 13.5079 - val_auc_100: 0.4938
 Epoch 383/500
 267/267 [=====] - 1s 3ms/step - loss: 18.3171 -
 auc_100: 0.5017 - val_loss: 7.9360 - val_auc_100: 0.4992
 Epoch 384/500
 267/267 [=====] - 1s 3ms/step - loss: 20.4360 -
 auc_100: 0.5023 - val_loss: 12.6176 - val_auc_100: 0.5023
 Epoch 385/500
 267/267 [=====] - 1s 3ms/step - loss: 20.5147 -
 auc_100: 0.5008 - val_loss: 8.6856 - val_auc_100: 0.4996
 Epoch 386/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6449 -
 auc_100: 0.5015 - val_loss: 42.9186 - val_auc_100: 0.5091
 Epoch 387/500
 267/267 [=====] - 1s 3ms/step - loss: 18.6805 -
 auc_100: 0.5019 - val_loss: 30.1536 - val_auc_100: 0.5014
 Epoch 388/500
 267/267 [=====] - 1s 3ms/step - loss: 18.9567 -
 auc_100: 0.5026 - val_loss: 23.9135 - val_auc_100: 0.4964
 Epoch 389/500
 267/267 [=====] - 1s 3ms/step - loss: 20.1630 -
 auc_100: 0.5011 - val_loss: 13.4752 - val_auc_100: 0.4941
 Epoch 390/500
 267/267 [=====] - 1s 3ms/step - loss: 19.7791 -
 auc_100: 0.5061 - val_loss: 12.6449 - val_auc_100: 0.5051
 Epoch 391/500
 267/267 [=====] - 1s 3ms/step - loss: 20.7193 -
 auc_100: 0.5023 - val_loss: 48.5076 - val_auc_100: 0.4951
 Epoch 392/500
 267/267 [=====] - 1s 3ms/step - loss: 25.0491 -
 auc_100: 0.5031 - val_loss: 8.8956 - val_auc_100: 0.5034
 Epoch 393/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2896 -
 auc_100: 0.5011 - val_loss: 34.1490 - val_auc_100: 0.4945
 Epoch 394/500
 267/267 [=====] - 1s 3ms/step - loss: 22.9269 -
 auc_100: 0.4996 - val_loss: 11.9636 - val_auc_100: 0.5011
 Epoch 395/500
 267/267 [=====] - 1s 3ms/step - loss: 21.5956 -
 auc_100: 0.5041 - val_loss: 37.7116 - val_auc_100: 0.5120
 Epoch 396/500
 267/267 [=====] - 1s 3ms/step - loss: 22.6901 -
 auc_100: 0.5011 - val_loss: 18.2264 - val_auc_100: 0.4937
 Epoch 397/500
 267/267 [=====] - 1s 3ms/step - loss: 18.4657 -
 auc_100: 0.5000 - val_loss: 9.3105 - val_auc_100: 0.5052
 Epoch 398/500

267/267 [=====] - 1s 3ms/step - loss: 19.2343 -
auc_100: 0.5004 - val_loss: 23.2693 - val_auc_100: 0.4946
Epoch 399/500
267/267 [=====] - 1s 3ms/step - loss: 25.1415 -
auc_100: 0.5022 - val_loss: 8.7090 - val_auc_100: 0.5047
Epoch 400/500
267/267 [=====] - 1s 3ms/step - loss: 18.4678 -
auc_100: 0.5016 - val_loss: 15.1091 - val_auc_100: 0.5021
Epoch 401/500
267/267 [=====] - 1s 3ms/step - loss: 19.5503 -
auc_100: 0.5040 - val_loss: 12.9221 - val_auc_100: 0.5049
Epoch 402/500
267/267 [=====] - 1s 3ms/step - loss: 16.1755 -
auc_100: 0.5021 - val_loss: 13.8601 - val_auc_100: 0.5039
Epoch 403/500
267/267 [=====] - 1s 3ms/step - loss: 22.6036 -
auc_100: 0.5018 - val_loss: 10.8441 - val_auc_100: 0.5110
Epoch 404/500
267/267 [=====] - 1s 3ms/step - loss: 21.3148 -
auc_100: 0.5025 - val_loss: 28.7373 - val_auc_100: 0.5130
Epoch 405/500
267/267 [=====] - 1s 3ms/step - loss: 18.9661 -
auc_100: 0.5064 - val_loss: 23.0867 - val_auc_100: 0.5007
Epoch 406/500
267/267 [=====] - 1s 3ms/step - loss: 21.0213 -
auc_100: 0.5024 - val_loss: 19.6762 - val_auc_100: 0.5183
Epoch 407/500
267/267 [=====] - 1s 3ms/step - loss: 16.3903 -
auc_100: 0.5011 - val_loss: 17.4650 - val_auc_100: 0.5116
Epoch 408/500
267/267 [=====] - 1s 3ms/step - loss: 17.2001 -
auc_100: 0.5019 - val_loss: 43.8635 - val_auc_100: 0.4990
Epoch 409/500
267/267 [=====] - 1s 3ms/step - loss: 24.5104 -
auc_100: 0.4991 - val_loss: 26.9610 - val_auc_100: 0.4920
Epoch 410/500
267/267 [=====] - 1s 3ms/step - loss: 19.9560 -
auc_100: 0.5043 - val_loss: 19.9661 - val_auc_100: 0.5052
Epoch 411/500
267/267 [=====] - 1s 3ms/step - loss: 21.3549 -
auc_100: 0.5011 - val_loss: 17.1767 - val_auc_100: 0.5136
Epoch 412/500
267/267 [=====] - 1s 3ms/step - loss: 16.8552 -
auc_100: 0.5008 - val_loss: 27.7608 - val_auc_100: 0.5050
Epoch 413/500
267/267 [=====] - 1s 3ms/step - loss: 16.9438 -
auc_100: 0.5039 - val_loss: 22.1388 - val_auc_100: 0.5033
Epoch 414/500

267/267 [=====] - 1s 3ms/step - loss: 18.1494 -
auc_100: 0.5057 - val_loss: 28.0522 - val_auc_100: 0.5144
Epoch 415/500
267/267 [=====] - 1s 3ms/step - loss: 17.9222 -
auc_100: 0.5008 - val_loss: 19.9796 - val_auc_100: 0.5093
Epoch 416/500
267/267 [=====] - 1s 3ms/step - loss: 18.6128 -
auc_100: 0.5045 - val_loss: 21.0998 - val_auc_100: 0.5170
Epoch 417/500
267/267 [=====] - 1s 3ms/step - loss: 24.3115 -
auc_100: 0.5059 - val_loss: 12.3685 - val_auc_100: 0.4954
Epoch 418/500
267/267 [=====] - 1s 3ms/step - loss: 18.3732 -
auc_100: 0.5040 - val_loss: 14.5224 - val_auc_100: 0.5013
Epoch 419/500
267/267 [=====] - 1s 3ms/step - loss: 17.9938 -
auc_100: 0.5027 - val_loss: 13.7446 - val_auc_100: 0.5024
Epoch 420/500
267/267 [=====] - 1s 3ms/step - loss: 20.1654 -
auc_100: 0.5046 - val_loss: 8.9831 - val_auc_100: 0.5000
Epoch 421/500
267/267 [=====] - 1s 3ms/step - loss: 18.4084 -
auc_100: 0.5048 - val_loss: 10.3861 - val_auc_100: 0.5045
Epoch 422/500
267/267 [=====] - 1s 3ms/step - loss: 16.2947 -
auc_100: 0.5000 - val_loss: 28.1734 - val_auc_100: 0.4984
Epoch 423/500
267/267 [=====] - 1s 3ms/step - loss: 19.7692 -
auc_100: 0.5014 - val_loss: 22.6492 - val_auc_100: 0.5086
Epoch 424/500
267/267 [=====] - 1s 3ms/step - loss: 21.1274 -
auc_100: 0.5046 - val_loss: 13.4212 - val_auc_100: 0.4996
Epoch 425/500
267/267 [=====] - 1s 3ms/step - loss: 27.8881 -
auc_100: 0.5026 - val_loss: 49.7975 - val_auc_100: 0.5117
Epoch 426/500
267/267 [=====] - 1s 3ms/step - loss: 17.1219 -
auc_100: 0.5012 - val_loss: 6.1354 - val_auc_100: 0.4977
Epoch 427/500
267/267 [=====] - 1s 3ms/step - loss: 18.8486 -
auc_100: 0.5022 - val_loss: 12.4624 - val_auc_100: 0.4926
Epoch 428/500
267/267 [=====] - 1s 3ms/step - loss: 20.1741 -
auc_100: 0.5050 - val_loss: 12.3835 - val_auc_100: 0.5101
Epoch 429/500
267/267 [=====] - 1s 3ms/step - loss: 19.9951 -
auc_100: 0.5040 - val_loss: 37.6713 - val_auc_100: 0.4906
Epoch 430/500

267/267 [=====] - 1s 3ms/step - loss: 19.8432 -
auc_100: 0.5021 - val_loss: 9.6456 - val_auc_100: 0.4985
Epoch 431/500
267/267 [=====] - 1s 3ms/step - loss: 16.6010 -
auc_100: 0.5014 - val_loss: 17.9833 - val_auc_100: 0.4933
Epoch 432/500
267/267 [=====] - 1s 3ms/step - loss: 18.9422 -
auc_100: 0.4999 - val_loss: 39.9799 - val_auc_100: 0.5093
Epoch 433/500
267/267 [=====] - 1s 3ms/step - loss: 22.0467 -
auc_100: 0.5041 - val_loss: 32.3077 - val_auc_100: 0.5103
Epoch 434/500
267/267 [=====] - 1s 3ms/step - loss: 18.1156 -
auc_100: 0.5023 - val_loss: 29.7734 - val_auc_100: 0.4838
Epoch 435/500
267/267 [=====] - 1s 3ms/step - loss: 19.2873 -
auc_100: 0.5044 - val_loss: 18.7148 - val_auc_100: 0.4999
Epoch 436/500
267/267 [=====] - 1s 3ms/step - loss: 17.4963 -
auc_100: 0.5028 - val_loss: 13.6100 - val_auc_100: 0.5020
Epoch 437/500
267/267 [=====] - 1s 3ms/step - loss: 20.6872 -
auc_100: 0.5034 - val_loss: 14.5877 - val_auc_100: 0.5053
Epoch 438/500
267/267 [=====] - 1s 3ms/step - loss: 21.3962 -
auc_100: 0.5043 - val_loss: 16.6108 - val_auc_100: 0.5083
Epoch 439/500
267/267 [=====] - 1s 3ms/step - loss: 18.2004 -
auc_100: 0.5031 - val_loss: 14.4310 - val_auc_100: 0.4971
Epoch 440/500
267/267 [=====] - 1s 3ms/step - loss: 19.3721 -
auc_100: 0.5016 - val_loss: 15.7203 - val_auc_100: 0.4997
Epoch 441/500
267/267 [=====] - 1s 3ms/step - loss: 22.7546 -
auc_100: 0.5061 - val_loss: 24.6470 - val_auc_100: 0.5004
Epoch 442/500
267/267 [=====] - 1s 3ms/step - loss: 20.5989 -
auc_100: 0.5036 - val_loss: 18.1067 - val_auc_100: 0.4993
Epoch 443/500
267/267 [=====] - 1s 3ms/step - loss: 24.2700 -
auc_100: 0.5041 - val_loss: 8.0638 - val_auc_100: 0.5090
Epoch 444/500
267/267 [=====] - 1s 3ms/step - loss: 18.6416 -
auc_100: 0.4977 - val_loss: 14.6930 - val_auc_100: 0.5010
Epoch 445/500
267/267 [=====] - 1s 3ms/step - loss: 20.1822 -
auc_100: 0.5027 - val_loss: 8.7822 - val_auc_100: 0.5010
Epoch 446/500

267/267 [=====] - 1s 3ms/step - loss: 20.5911 -
auc_100: 0.5048 - val_loss: 15.5722 - val_auc_100: 0.5113
Epoch 447/500
267/267 [=====] - 1s 3ms/step - loss: 22.5174 -
auc_100: 0.5042 - val_loss: 59.3929 - val_auc_100: 0.4919
Epoch 448/500
267/267 [=====] - 1s 3ms/step - loss: 21.2774 -
auc_100: 0.4988 - val_loss: 22.7861 - val_auc_100: 0.4947
Epoch 449/500
267/267 [=====] - 1s 3ms/step - loss: 18.8241 -
auc_100: 0.5042 - val_loss: 9.1870 - val_auc_100: 0.4880
Epoch 450/500
267/267 [=====] - 1s 3ms/step - loss: 19.1597 -
auc_100: 0.5053 - val_loss: 17.6175 - val_auc_100: 0.5004
Epoch 451/500
267/267 [=====] - 1s 3ms/step - loss: 19.9026 -
auc_100: 0.5013 - val_loss: 24.1915 - val_auc_100: 0.5042
Epoch 452/500
267/267 [=====] - 1s 3ms/step - loss: 21.0059 -
auc_100: 0.5043 - val_loss: 17.8300 - val_auc_100: 0.4890
Epoch 453/500
267/267 [=====] - 1s 3ms/step - loss: 17.8326 -
auc_100: 0.5066 - val_loss: 20.0163 - val_auc_100: 0.5147
Epoch 454/500
267/267 [=====] - 1s 3ms/step - loss: 18.1238 -
auc_100: 0.5057 - val_loss: 7.7841 - val_auc_100: 0.5019
Epoch 455/500
267/267 [=====] - 1s 3ms/step - loss: 23.1089 -
auc_100: 0.5063 - val_loss: 18.2366 - val_auc_100: 0.5070
Epoch 456/500
267/267 [=====] - 1s 3ms/step - loss: 19.9666 -
auc_100: 0.4998 - val_loss: 23.2569 - val_auc_100: 0.5082
Epoch 457/500
267/267 [=====] - 1s 3ms/step - loss: 20.0762 -
auc_100: 0.5033 - val_loss: 17.4002 - val_auc_100: 0.4902
Epoch 458/500
267/267 [=====] - 1s 3ms/step - loss: 20.8935 -
auc_100: 0.5048 - val_loss: 12.6589 - val_auc_100: 0.5079
Epoch 459/500
267/267 [=====] - 1s 3ms/step - loss: 21.2778 -
auc_100: 0.4990 - val_loss: 21.6355 - val_auc_100: 0.4906
Epoch 460/500
267/267 [=====] - 1s 3ms/step - loss: 19.3358 -
auc_100: 0.5031 - val_loss: 14.9859 - val_auc_100: 0.5022
Epoch 461/500
267/267 [=====] - 1s 3ms/step - loss: 20.6342 -
auc_100: 0.5033 - val_loss: 11.4956 - val_auc_100: 0.4996
Epoch 462/500

267/267 [=====] - 1s 3ms/step - loss: 22.7462 -
auc_100: 0.5044 - val_loss: 18.8009 - val_auc_100: 0.4879
Epoch 463/500
267/267 [=====] - 1s 3ms/step - loss: 20.6801 -
auc_100: 0.5039 - val_loss: 19.8856 - val_auc_100: 0.5061
Epoch 464/500
267/267 [=====] - 1s 3ms/step - loss: 16.4605 -
auc_100: 0.5010 - val_loss: 13.1297 - val_auc_100: 0.4977
Epoch 465/500
267/267 [=====] - 1s 3ms/step - loss: 18.9007 -
auc_100: 0.4997 - val_loss: 24.0577 - val_auc_100: 0.5030
Epoch 466/500
267/267 [=====] - 1s 3ms/step - loss: 22.1276 -
auc_100: 0.5041 - val_loss: 12.4870 - val_auc_100: 0.5059
Epoch 467/500
267/267 [=====] - 1s 3ms/step - loss: 23.4605 -
auc_100: 0.5028 - val_loss: 9.0557 - val_auc_100: 0.5065
Epoch 468/500
267/267 [=====] - 1s 3ms/step - loss: 24.2617 -
auc_100: 0.5014 - val_loss: 19.8851 - val_auc_100: 0.5096
Epoch 469/500
267/267 [=====] - 1s 3ms/step - loss: 18.9808 -
auc_100: 0.5029 - val_loss: 29.1013 - val_auc_100: 0.5118
Epoch 470/500
267/267 [=====] - 1s 3ms/step - loss: 21.9643 -
auc_100: 0.5036 - val_loss: 14.6695 - val_auc_100: 0.5064
Epoch 471/500
267/267 [=====] - 1s 3ms/step - loss: 18.4784 -
auc_100: 0.5018 - val_loss: 14.6290 - val_auc_100: 0.5033
Epoch 472/500
267/267 [=====] - 1s 3ms/step - loss: 20.3173 -
auc_100: 0.5009 - val_loss: 21.7774 - val_auc_100: 0.4957
Epoch 473/500
267/267 [=====] - 1s 3ms/step - loss: 22.0898 -
auc_100: 0.5021 - val_loss: 25.4468 - val_auc_100: 0.5032
Epoch 474/500
267/267 [=====] - 1s 3ms/step - loss: 19.0604 -
auc_100: 0.4983 - val_loss: 14.0478 - val_auc_100: 0.5079
Epoch 475/500
267/267 [=====] - 1s 3ms/step - loss: 15.8525 -
auc_100: 0.5019 - val_loss: 41.4686 - val_auc_100: 0.4887
Epoch 476/500
267/267 [=====] - 1s 3ms/step - loss: 18.5241 -
auc_100: 0.5010 - val_loss: 27.2392 - val_auc_100: 0.5008
Epoch 477/500
267/267 [=====] - 1s 3ms/step - loss: 22.0630 -
auc_100: 0.5018 - val_loss: 36.6918 - val_auc_100: 0.5054
Epoch 478/500

267/267 [=====] - 1s 3ms/step - loss: 22.7615 -
auc_100: 0.5038 - val_loss: 22.3455 - val_auc_100: 0.4881
Epoch 479/500
267/267 [=====] - 1s 3ms/step - loss: 17.3550 -
auc_100: 0.5023 - val_loss: 10.8908 - val_auc_100: 0.4973
Epoch 480/500
267/267 [=====] - 1s 3ms/step - loss: 17.4522 -
auc_100: 0.5015 - val_loss: 31.9732 - val_auc_100: 0.4846
Epoch 481/500
267/267 [=====] - 1s 3ms/step - loss: 16.2120 -
auc_100: 0.5012 - val_loss: 26.2560 - val_auc_100: 0.5085
Epoch 482/500
267/267 [=====] - 1s 3ms/step - loss: 19.6619 -
auc_100: 0.5047 - val_loss: 6.9346 - val_auc_100: 0.5019
Epoch 483/500
267/267 [=====] - 1s 3ms/step - loss: 16.2745 -
auc_100: 0.5012 - val_loss: 35.9278 - val_auc_100: 0.5080
Epoch 484/500
267/267 [=====] - 1s 3ms/step - loss: 20.9798 -
auc_100: 0.5013 - val_loss: 13.8641 - val_auc_100: 0.5029
Epoch 485/500
267/267 [=====] - 1s 3ms/step - loss: 19.5814 -
auc_100: 0.5016 - val_loss: 10.7312 - val_auc_100: 0.4973
Epoch 486/500
267/267 [=====] - 1s 3ms/step - loss: 19.0111 -
auc_100: 0.5045 - val_loss: 23.7642 - val_auc_100: 0.4950
Epoch 487/500
267/267 [=====] - 1s 3ms/step - loss: 18.3060 -
auc_100: 0.5023 - val_loss: 21.7740 - val_auc_100: 0.4891
Epoch 488/500
267/267 [=====] - 1s 3ms/step - loss: 19.8976 -
auc_100: 0.5021 - val_loss: 13.3489 - val_auc_100: 0.5040
Epoch 489/500
267/267 [=====] - 1s 3ms/step - loss: 19.1227 -
auc_100: 0.5010 - val_loss: 22.7020 - val_auc_100: 0.5093
Epoch 490/500
267/267 [=====] - 1s 3ms/step - loss: 20.9745 -
auc_100: 0.5039 - val_loss: 35.1370 - val_auc_100: 0.5065
Epoch 491/500
267/267 [=====] - 1s 3ms/step - loss: 18.6671 -
auc_100: 0.5049 - val_loss: 5.2320 - val_auc_100: 0.5017
Epoch 492/500
267/267 [=====] - 1s 3ms/step - loss: 16.7134 -
auc_100: 0.5008 - val_loss: 26.9602 - val_auc_100: 0.4908
Epoch 493/500
267/267 [=====] - 1s 3ms/step - loss: 20.0016 -
auc_100: 0.5029 - val_loss: 17.3218 - val_auc_100: 0.4963
Epoch 494/500

267/267 [=====] - 1s 3ms/step - loss: 18.0338 -
 auc_100: 0.5030 - val_loss: 22.2129 - val_auc_100: 0.4997
 Epoch 495/500
 267/267 [=====] - 1s 3ms/step - loss: 21.4383 -
 auc_100: 0.5052 - val_loss: 19.0566 - val_auc_100: 0.4947
 Epoch 496/500
 267/267 [=====] - 1s 3ms/step - loss: 20.2755 -
 auc_100: 0.5051 - val_loss: 33.4466 - val_auc_100: 0.4994
 Epoch 497/500
 267/267 [=====] - 1s 3ms/step - loss: 20.6858 -
 auc_100: 0.5061 - val_loss: 18.8409 - val_auc_100: 0.4940
 Epoch 498/500
 267/267 [=====] - 1s 3ms/step - loss: 19.2056 -
 auc_100: 0.5047 - val_loss: 19.9901 - val_auc_100: 0.5147
 Epoch 499/500
 267/267 [=====] - 1s 3ms/step - loss: 19.1404 -
 auc_100: 0.5012 - val_loss: 10.6787 - val_auc_100: 0.5102
 Epoch 500/500
 267/267 [=====] - 1s 3ms/step - loss: 16.7108 -
 auc_100: 0.5009 - val_loss: 31.3554 - val_auc_100: 0.5062
 625/625 [=====] - 0s 522us/step
 [CV] ... epochs=500, learning_rate=0.1, score=0.515, total= 6.2min
 [CV] epochs=700, learning_rate=0.001 ...
 Epoch 1/700
 267/267 [=====] - 1s 4ms/step - loss: 2.1289 - auc_101:
 0.5011 - val_loss: 1.0966 - val_auc_101: 0.5154
 Epoch 2/700
 267/267 [=====] - 1s 3ms/step - loss: 1.0667 - auc_101:
 0.5057 - val_loss: 0.9686 - val_auc_101: 0.5186
 Epoch 3/700
 267/267 [=====] - 1s 3ms/step - loss: 1.0084 - auc_101:
 0.5068 - val_loss: 1.0201 - val_auc_101: 0.5137
 Epoch 4/700
 267/267 [=====] - 1s 3ms/step - loss: 0.9525 - auc_101:
 0.5058 - val_loss: 0.8837 - val_auc_101: 0.5216
 Epoch 5/700
 267/267 [=====] - 1s 3ms/step - loss: 0.9127 - auc_101:
 0.5036 - val_loss: 0.8468 - val_auc_101: 0.5156
 Epoch 6/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8915 - auc_101:
 0.5076 - val_loss: 0.8676 - val_auc_101: 0.5203
 Epoch 7/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8980 - auc_101:
 0.5035 - val_loss: 0.8813 - val_auc_101: 0.5151
 Epoch 8/700
 267/267 [=====] - 1s 3ms/step - loss: 0.9088 - auc_101:
 0.5037 - val_loss: 0.8418 - val_auc_101: 0.5162
 Epoch 9/700

267/267 [=====] - 1s 3ms/step - loss: 0.8978 - auc_101:
0.5029 - val_loss: 0.9180 - val_auc_101: 0.5189
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 0.8902 - auc_101:
0.5059 - val_loss: 0.8804 - val_auc_101: 0.5175
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 0.8572 - auc_101:
0.5059 - val_loss: 0.8949 - val_auc_101: 0.5141
Epoch 12/700
267/267 [=====] - 1s 3ms/step - loss: 0.8695 - auc_101:
0.5056 - val_loss: 0.8364 - val_auc_101: 0.5142
Epoch 13/700
267/267 [=====] - 1s 3ms/step - loss: 0.8590 - auc_101:
0.5046 - val_loss: 0.8042 - val_auc_101: 0.5146
Epoch 14/700
267/267 [=====] - 1s 3ms/step - loss: 0.8583 - auc_101:
0.5073 - val_loss: 0.9495 - val_auc_101: 0.5108
Epoch 15/700
267/267 [=====] - 1s 3ms/step - loss: 0.8856 - auc_101:
0.5048 - val_loss: 0.8232 - val_auc_101: 0.5144
Epoch 16/700
267/267 [=====] - 1s 3ms/step - loss: 0.8581 - auc_101:
0.5061 - val_loss: 0.9050 - val_auc_101: 0.5112
Epoch 17/700
267/267 [=====] - 1s 3ms/step - loss: 0.8341 - auc_101:
0.5057 - val_loss: 0.8202 - val_auc_101: 0.5152
Epoch 18/700
267/267 [=====] - 1s 3ms/step - loss: 0.8632 - auc_101:
0.5034 - val_loss: 0.8140 - val_auc_101: 0.5181
Epoch 19/700
267/267 [=====] - 1s 3ms/step - loss: 0.8701 - auc_101:
0.5043 - val_loss: 0.8585 - val_auc_101: 0.5160
Epoch 20/700
267/267 [=====] - 1s 3ms/step - loss: 0.8308 - auc_101:
0.5046 - val_loss: 0.8285 - val_auc_101: 0.5171
Epoch 21/700
267/267 [=====] - 1s 3ms/step - loss: 0.8233 - auc_101:
0.5049 - val_loss: 0.8174 - val_auc_101: 0.5137
Epoch 22/700
267/267 [=====] - 1s 3ms/step - loss: 0.8448 - auc_101:
0.5038 - val_loss: 0.8041 - val_auc_101: 0.5147
Epoch 23/700
267/267 [=====] - 1s 3ms/step - loss: 0.8435 - auc_101:
0.5045 - val_loss: 0.9318 - val_auc_101: 0.5132
Epoch 24/700
267/267 [=====] - 1s 3ms/step - loss: 0.8507 - auc_101:
0.5061 - val_loss: 0.8683 - val_auc_101: 0.5077
Epoch 25/700

267/267 [=====] - 1s 3ms/step - loss: 0.8154 - auc_101:
0.5056 - val_loss: 0.8327 - val_auc_101: 0.5146
Epoch 26/700
267/267 [=====] - 1s 3ms/step - loss: 0.8462 - auc_101:
0.5062 - val_loss: 0.7869 - val_auc_101: 0.5160
Epoch 27/700
267/267 [=====] - 1s 3ms/step - loss: 0.8392 - auc_101:
0.5040 - val_loss: 0.7976 - val_auc_101: 0.5138
Epoch 28/700
267/267 [=====] - 1s 3ms/step - loss: 0.8312 - auc_101:
0.5050 - val_loss: 0.8219 - val_auc_101: 0.5138
Epoch 29/700
267/267 [=====] - 1s 3ms/step - loss: 0.8327 - auc_101:
0.5052 - val_loss: 0.7712 - val_auc_101: 0.5204
Epoch 30/700
267/267 [=====] - 1s 3ms/step - loss: 0.8544 - auc_101:
0.5066 - val_loss: 0.8337 - val_auc_101: 0.5104
Epoch 31/700
267/267 [=====] - 1s 3ms/step - loss: 0.8237 - auc_101:
0.5047 - val_loss: 0.8477 - val_auc_101: 0.5112
Epoch 32/700
267/267 [=====] - 1s 3ms/step - loss: 0.8134 - auc_101:
0.5060 - val_loss: 0.7589 - val_auc_101: 0.5132
Epoch 33/700
267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_101:
0.5060 - val_loss: 0.9325 - val_auc_101: 0.5132
Epoch 34/700
267/267 [=====] - 1s 3ms/step - loss: 0.8170 - auc_101:
0.5063 - val_loss: 0.8071 - val_auc_101: 0.5164
Epoch 35/700
267/267 [=====] - 1s 3ms/step - loss: 0.8170 - auc_101:
0.5077 - val_loss: 0.8290 - val_auc_101: 0.5096
Epoch 36/700
267/267 [=====] - 1s 3ms/step - loss: 0.8201 - auc_101:
0.5056 - val_loss: 0.8263 - val_auc_101: 0.5166
Epoch 37/700
267/267 [=====] - 1s 3ms/step - loss: 0.8204 - auc_101:
0.5055 - val_loss: 0.7715 - val_auc_101: 0.5196
Epoch 38/700
267/267 [=====] - 1s 3ms/step - loss: 0.8083 - auc_101:
0.5074 - val_loss: 0.9092 - val_auc_101: 0.5118
Epoch 39/700
267/267 [=====] - 1s 3ms/step - loss: 0.8179 - auc_101:
0.5075 - val_loss: 0.7788 - val_auc_101: 0.5196
Epoch 40/700
267/267 [=====] - 1s 3ms/step - loss: 0.8275 - auc_101:
0.5070 - val_loss: 0.7819 - val_auc_101: 0.5155
Epoch 41/700

267/267 [=====] - 1s 3ms/step - loss: 0.8473 - auc_101:
0.5055 - val_loss: 0.8610 - val_auc_101: 0.5139
Epoch 42/700
267/267 [=====] - 1s 3ms/step - loss: 0.8172 - auc_101:
0.5068 - val_loss: 0.7706 - val_auc_101: 0.5186
Epoch 43/700
267/267 [=====] - 1s 3ms/step - loss: 0.8212 - auc_101:
0.5081 - val_loss: 0.7855 - val_auc_101: 0.5119
Epoch 44/700
267/267 [=====] - 1s 3ms/step - loss: 0.8187 - auc_101:
0.5070 - val_loss: 0.7644 - val_auc_101: 0.5170
Epoch 45/700
267/267 [=====] - 1s 3ms/step - loss: 0.8950 - auc_101:
0.5064 - val_loss: 0.8219 - val_auc_101: 0.5160
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 0.8125 - auc_101:
0.5086 - val_loss: 0.7692 - val_auc_101: 0.5172
Epoch 47/700
267/267 [=====] - 1s 3ms/step - loss: 0.8280 - auc_101:
0.5084 - val_loss: 0.8740 - val_auc_101: 0.5146
Epoch 48/700
267/267 [=====] - 1s 3ms/step - loss: 0.8179 - auc_101:
0.5089 - val_loss: 0.7957 - val_auc_101: 0.5169
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 0.8186 - auc_101:
0.5064 - val_loss: 0.7802 - val_auc_101: 0.5160
Epoch 50/700
267/267 [=====] - 1s 3ms/step - loss: 0.8172 - auc_101:
0.5072 - val_loss: 0.7768 - val_auc_101: 0.5182
Epoch 51/700
267/267 [=====] - 1s 3ms/step - loss: 0.8096 - auc_101:
0.5088 - val_loss: 0.8259 - val_auc_101: 0.5162
Epoch 52/700
267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_101:
0.5058 - val_loss: 0.7695 - val_auc_101: 0.5198
Epoch 53/700
267/267 [=====] - 1s 3ms/step - loss: 0.8422 - auc_101:
0.5094 - val_loss: 0.8870 - val_auc_101: 0.5159
Epoch 54/700
267/267 [=====] - 1s 3ms/step - loss: 0.8473 - auc_101:
0.5069 - val_loss: 0.8449 - val_auc_101: 0.5177
Epoch 55/700
267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_101:
0.5078 - val_loss: 0.7431 - val_auc_101: 0.5161
Epoch 56/700
267/267 [=====] - 1s 3ms/step - loss: 0.8044 - auc_101:
0.5071 - val_loss: 0.7487 - val_auc_101: 0.5193
Epoch 57/700

267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_101:
0.5088 - val_loss: 0.8275 - val_auc_101: 0.5114
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 0.8234 - auc_101:
0.5101 - val_loss: 0.8148 - val_auc_101: 0.5134
Epoch 59/700
267/267 [=====] - 1s 3ms/step - loss: 0.8351 - auc_101:
0.5078 - val_loss: 0.7295 - val_auc_101: 0.5211
Epoch 60/700
267/267 [=====] - 1s 3ms/step - loss: 0.8169 - auc_101:
0.5092 - val_loss: 0.8099 - val_auc_101: 0.5163
Epoch 61/700
267/267 [=====] - 1s 3ms/step - loss: 0.8207 - auc_101:
0.5071 - val_loss: 0.7765 - val_auc_101: 0.5135
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 0.8022 - auc_101:
0.5100 - val_loss: 0.8090 - val_auc_101: 0.5168
Epoch 63/700
267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_101:
0.5093 - val_loss: 0.8254 - val_auc_101: 0.5189
Epoch 64/700
267/267 [=====] - 1s 3ms/step - loss: 0.8115 - auc_101:
0.5097 - val_loss: 0.7639 - val_auc_101: 0.5197
Epoch 65/700
267/267 [=====] - 1s 3ms/step - loss: 0.7984 - auc_101:
0.5087 - val_loss: 0.8039 - val_auc_101: 0.5165
Epoch 66/700
267/267 [=====] - 1s 3ms/step - loss: 0.8151 - auc_101:
0.5091 - val_loss: 0.9395 - val_auc_101: 0.5148
Epoch 67/700
267/267 [=====] - 1s 3ms/step - loss: 0.8136 - auc_101:
0.5099 - val_loss: 0.8371 - val_auc_101: 0.5213
Epoch 68/700
267/267 [=====] - 1s 3ms/step - loss: 0.8100 - auc_101:
0.5095 - val_loss: 0.8384 - val_auc_101: 0.5134
Epoch 69/700
267/267 [=====] - 1s 3ms/step - loss: 0.8212 - auc_101:
0.5073 - val_loss: 0.8086 - val_auc_101: 0.5150
Epoch 70/700
267/267 [=====] - 1s 3ms/step - loss: 0.8269 - auc_101:
0.5110 - val_loss: 0.8131 - val_auc_101: 0.5121
Epoch 71/700
267/267 [=====] - 1s 3ms/step - loss: 0.8081 - auc_101:
0.5096 - val_loss: 0.7412 - val_auc_101: 0.5203
Epoch 72/700
267/267 [=====] - 1s 3ms/step - loss: 0.8106 - auc_101:
0.5098 - val_loss: 0.7518 - val_auc_101: 0.5171
Epoch 73/700

267/267 [=====] - 1s 3ms/step - loss: 0.8322 - auc_101:
 0.5081 - val_loss: 0.7575 - val_auc_101: 0.5198
 Epoch 74/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8118 - auc_101:
 0.5105 - val_loss: 0.8619 - val_auc_101: 0.5144
 Epoch 75/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8037 - auc_101:
 0.5103 - val_loss: 0.8254 - val_auc_101: 0.5191
 Epoch 76/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8150 - auc_101:
 0.5102 - val_loss: 0.7528 - val_auc_101: 0.5236
 Epoch 77/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7996 - auc_101:
 0.5117 - val_loss: 0.7287 - val_auc_101: 0.5232
 Epoch 78/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_101:
 0.5103 - val_loss: 0.7634 - val_auc_101: 0.5160
 Epoch 79/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_101:
 0.5071 - val_loss: 0.7989 - val_auc_101: 0.5160
 Epoch 80/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7994 - auc_101:
 0.5092 - val_loss: 0.7939 - val_auc_101: 0.5191
 Epoch 81/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8072 - auc_101:
 0.5099 - val_loss: 0.7910 - val_auc_101: 0.5133
 Epoch 82/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8015 - auc_101:
 0.5106 - val_loss: 0.8390 - val_auc_101: 0.5179
 Epoch 83/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8093 - auc_101:
 0.5100 - val_loss: 0.7907 - val_auc_101: 0.5238
 Epoch 84/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8058 - auc_101:
 0.5097 - val_loss: 0.8374 - val_auc_101: 0.5163
 Epoch 85/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_101:
 0.5087 - val_loss: 0.7396 - val_auc_101: 0.5218
 Epoch 86/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8090 - auc_101:
 0.5082 - val_loss: 0.9979 - val_auc_101: 0.5177
 Epoch 87/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8347 - auc_101:
 0.5084 - val_loss: 0.7945 - val_auc_101: 0.5176
 Epoch 88/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8016 - auc_101:
 0.5092 - val_loss: 0.7676 - val_auc_101: 0.5185
 Epoch 89/700

267/267 [=====] - 1s 3ms/step - loss: 0.8041 - auc_101:
0.5111 - val_loss: 0.7587 - val_auc_101: 0.5137
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_101:
0.5110 - val_loss: 0.7759 - val_auc_101: 0.5175
Epoch 91/700
267/267 [=====] - 1s 3ms/step - loss: 0.8055 - auc_101:
0.5084 - val_loss: 0.8655 - val_auc_101: 0.5141
Epoch 92/700
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_101:
0.5123 - val_loss: 0.7977 - val_auc_101: 0.5140
Epoch 93/700
267/267 [=====] - 1s 3ms/step - loss: 0.8098 - auc_101:
0.5102 - val_loss: 0.8009 - val_auc_101: 0.5197
Epoch 94/700
267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_101:
0.5095 - val_loss: 0.7650 - val_auc_101: 0.5181
Epoch 95/700
267/267 [=====] - 1s 3ms/step - loss: 0.8001 - auc_101:
0.5109 - val_loss: 0.8245 - val_auc_101: 0.5111
Epoch 96/700
267/267 [=====] - 1s 3ms/step - loss: 0.8004 - auc_101:
0.5132 - val_loss: 0.8049 - val_auc_101: 0.5123
Epoch 97/700
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_101:
0.5106 - val_loss: 0.7428 - val_auc_101: 0.5246
Epoch 98/700
267/267 [=====] - 1s 3ms/step - loss: 0.8084 - auc_101:
0.5108 - val_loss: 0.8120 - val_auc_101: 0.5146
Epoch 99/700
267/267 [=====] - 1s 3ms/step - loss: 0.8083 - auc_101:
0.5108 - val_loss: 0.8566 - val_auc_101: 0.5101
Epoch 100/700
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_101:
0.5120 - val_loss: 0.8730 - val_auc_101: 0.5224
Epoch 101/700
267/267 [=====] - 1s 3ms/step - loss: 0.8063 - auc_101:
0.5112 - val_loss: 0.7498 - val_auc_101: 0.5262
Epoch 102/700
267/267 [=====] - 1s 3ms/step - loss: 0.8331 - auc_101:
0.5108 - val_loss: 0.7869 - val_auc_101: 0.5167
Epoch 103/700
267/267 [=====] - 1s 3ms/step - loss: 0.7962 - auc_101:
0.5125 - val_loss: 1.0051 - val_auc_101: 0.5174
Epoch 104/700
267/267 [=====] - 1s 3ms/step - loss: 0.8148 - auc_101:
0.5096 - val_loss: 0.8208 - val_auc_101: 0.5210
Epoch 105/700

267/267 [=====] - 1s 3ms/step - loss: 0.7968 - auc_101:
0.5117 - val_loss: 0.9009 - val_auc_101: 0.5167
Epoch 106/700
267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_101:
0.5080 - val_loss: 0.7345 - val_auc_101: 0.5185
Epoch 107/700
267/267 [=====] - 1s 3ms/step - loss: 0.8117 - auc_101:
0.5107 - val_loss: 0.7644 - val_auc_101: 0.5110
Epoch 108/700
267/267 [=====] - 1s 3ms/step - loss: 0.8259 - auc_101:
0.5136 - val_loss: 0.9200 - val_auc_101: 0.5185
Epoch 109/700
267/267 [=====] - 1s 3ms/step - loss: 0.8134 - auc_101:
0.5139 - val_loss: 0.9204 - val_auc_101: 0.5135
Epoch 110/700
267/267 [=====] - 1s 3ms/step - loss: 0.8047 - auc_101:
0.5120 - val_loss: 0.7395 - val_auc_101: 0.5217
Epoch 111/700
267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_101:
0.5106 - val_loss: 0.7354 - val_auc_101: 0.5250
Epoch 112/700
267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_101:
0.5132 - val_loss: 0.7355 - val_auc_101: 0.5166
Epoch 113/700
267/267 [=====] - 1s 3ms/step - loss: 0.8053 - auc_101:
0.5127 - val_loss: 0.8962 - val_auc_101: 0.5187
Epoch 114/700
267/267 [=====] - 1s 3ms/step - loss: 0.8154 - auc_101:
0.5120 - val_loss: 0.7822 - val_auc_101: 0.5168
Epoch 115/700
267/267 [=====] - 1s 3ms/step - loss: 0.8108 - auc_101:
0.5117 - val_loss: 0.8173 - val_auc_101: 0.5174
Epoch 116/700
267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_101:
0.5143 - val_loss: 0.7857 - val_auc_101: 0.5145
Epoch 117/700
267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_101:
0.5140 - val_loss: 0.8138 - val_auc_101: 0.5157
Epoch 118/700
267/267 [=====] - 1s 3ms/step - loss: 0.8057 - auc_101:
0.5123 - val_loss: 0.7625 - val_auc_101: 0.5201
Epoch 119/700
267/267 [=====] - 1s 3ms/step - loss: 0.7892 - auc_101:
0.5130 - val_loss: 0.7358 - val_auc_101: 0.5222
Epoch 120/700
267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_101:
0.5141 - val_loss: 0.7639 - val_auc_101: 0.5196
Epoch 121/700

267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_101:
0.5127 - val_loss: 0.9012 - val_auc_101: 0.5168
Epoch 122/700
267/267 [=====] - 1s 3ms/step - loss: 0.8194 - auc_101:
0.5110 - val_loss: 0.7501 - val_auc_101: 0.5197
Epoch 123/700
267/267 [=====] - 1s 3ms/step - loss: 0.8274 - auc_101:
0.5128 - val_loss: 0.7922 - val_auc_101: 0.5138
Epoch 124/700
267/267 [=====] - 1s 3ms/step - loss: 0.7927 - auc_101:
0.5132 - val_loss: 0.8178 - val_auc_101: 0.5191
Epoch 125/700
267/267 [=====] - 1s 3ms/step - loss: 0.7936 - auc_101:
0.5127 - val_loss: 0.7421 - val_auc_101: 0.5182
Epoch 126/700
267/267 [=====] - 1s 3ms/step - loss: 0.8051 - auc_101:
0.5122 - val_loss: 0.8000 - val_auc_101: 0.5136
Epoch 127/700
267/267 [=====] - 1s 3ms/step - loss: 0.8020 - auc_101:
0.5128 - val_loss: 0.8066 - val_auc_101: 0.5145
Epoch 128/700
267/267 [=====] - 1s 3ms/step - loss: 0.8248 - auc_101:
0.5127 - val_loss: 0.7483 - val_auc_101: 0.5235
Epoch 129/700
267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_101:
0.5113 - val_loss: 0.7594 - val_auc_101: 0.5131
Epoch 130/700
267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_101:
0.5137 - val_loss: 0.7387 - val_auc_101: 0.5201
Epoch 131/700
267/267 [=====] - 1s 3ms/step - loss: 0.8113 - auc_101:
0.5112 - val_loss: 1.0438 - val_auc_101: 0.5185
Epoch 132/700
267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_101:
0.5127 - val_loss: 0.7511 - val_auc_101: 0.5186
Epoch 133/700
267/267 [=====] - 1s 3ms/step - loss: 0.8014 - auc_101:
0.5129 - val_loss: 0.7793 - val_auc_101: 0.5174
Epoch 134/700
267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_101:
0.5145 - val_loss: 0.7292 - val_auc_101: 0.5172
Epoch 135/700
267/267 [=====] - 1s 3ms/step - loss: 0.8078 - auc_101:
0.5115 - val_loss: 0.7667 - val_auc_101: 0.5109
Epoch 136/700
267/267 [=====] - 1s 3ms/step - loss: 0.8017 - auc_101:
0.5117 - val_loss: 0.7714 - val_auc_101: 0.5239
Epoch 137/700

267/267 [=====] - 1s 3ms/step - loss: 0.7888 - auc_101:
0.5132 - val_loss: 0.7809 - val_auc_101: 0.5146
Epoch 138/700
267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_101:
0.5131 - val_loss: 0.7538 - val_auc_101: 0.5197
Epoch 139/700
267/267 [=====] - 1s 3ms/step - loss: 0.7980 - auc_101:
0.5134 - val_loss: 0.7857 - val_auc_101: 0.5192
Epoch 140/700
267/267 [=====] - 1s 3ms/step - loss: 0.7828 - auc_101:
0.5124 - val_loss: 0.8939 - val_auc_101: 0.5197
Epoch 141/700
267/267 [=====] - 1s 3ms/step - loss: 0.8159 - auc_101:
0.5141 - val_loss: 0.8039 - val_auc_101: 0.5221
Epoch 142/700
267/267 [=====] - 1s 3ms/step - loss: 0.7952 - auc_101:
0.5105 - val_loss: 0.8438 - val_auc_101: 0.5097
Epoch 143/700
267/267 [=====] - 1s 3ms/step - loss: 0.8043 - auc_101:
0.5116 - val_loss: 0.8011 - val_auc_101: 0.5113
Epoch 144/700
267/267 [=====] - 1s 3ms/step - loss: 0.8032 - auc_101:
0.5142 - val_loss: 0.8398 - val_auc_101: 0.5168
Epoch 145/700
267/267 [=====] - 1s 3ms/step - loss: 0.7983 - auc_101:
0.5131 - val_loss: 0.8264 - val_auc_101: 0.5156
Epoch 146/700
267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_101:
0.5146 - val_loss: 0.8065 - val_auc_101: 0.5133
Epoch 147/700
267/267 [=====] - 1s 3ms/step - loss: 0.8195 - auc_101:
0.5123 - val_loss: 0.7779 - val_auc_101: 0.5144
Epoch 148/700
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_101:
0.5138 - val_loss: 0.7439 - val_auc_101: 0.5204
Epoch 149/700
267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_101:
0.5108 - val_loss: 0.7847 - val_auc_101: 0.5204
Epoch 150/700
267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_101:
0.5132 - val_loss: 0.7543 - val_auc_101: 0.5180
Epoch 151/700
267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_101:
0.5130 - val_loss: 0.8609 - val_auc_101: 0.5174
Epoch 152/700
267/267 [=====] - 1s 3ms/step - loss: 0.7944 - auc_101:
0.5124 - val_loss: 0.7782 - val_auc_101: 0.5170
Epoch 153/700

267/267 [=====] - 1s 3ms/step - loss: 0.7704 - auc_101:
0.5139 - val_loss: 0.7710 - val_auc_101: 0.5206
Epoch 154/700
267/267 [=====] - 1s 3ms/step - loss: 0.7943 - auc_101:
0.5138 - val_loss: 0.7953 - val_auc_101: 0.5160
Epoch 155/700
267/267 [=====] - 1s 3ms/step - loss: 0.7960 - auc_101:
0.5139 - val_loss: 0.8312 - val_auc_101: 0.5190
Epoch 156/700
267/267 [=====] - 1s 3ms/step - loss: 0.8119 - auc_101:
0.5140 - val_loss: 0.7665 - val_auc_101: 0.5169
Epoch 157/700
267/267 [=====] - 1s 3ms/step - loss: 0.8004 - auc_101:
0.5116 - val_loss: 0.7745 - val_auc_101: 0.5200
Epoch 158/700
267/267 [=====] - 1s 3ms/step - loss: 0.7917 - auc_101:
0.5140 - val_loss: 0.7692 - val_auc_101: 0.5258
Epoch 159/700
267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_101:
0.5132 - val_loss: 0.8235 - val_auc_101: 0.5165
Epoch 160/700
267/267 [=====] - 1s 3ms/step - loss: 0.8069 - auc_101:
0.5147 - val_loss: 0.7597 - val_auc_101: 0.5165
Epoch 161/700
267/267 [=====] - 1s 3ms/step - loss: 0.8001 - auc_101:
0.5129 - val_loss: 0.8050 - val_auc_101: 0.5117
Epoch 162/700
267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_101:
0.5143 - val_loss: 0.7727 - val_auc_101: 0.5228
Epoch 163/700
267/267 [=====] - 1s 3ms/step - loss: 0.8009 - auc_101:
0.5151 - val_loss: 0.8072 - val_auc_101: 0.5181
Epoch 164/700
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_101:
0.5143 - val_loss: 0.8865 - val_auc_101: 0.5120
Epoch 165/700
267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_101:
0.5128 - val_loss: 0.7701 - val_auc_101: 0.5155
Epoch 166/700
267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_101:
0.5133 - val_loss: 0.8047 - val_auc_101: 0.5219
Epoch 167/700
267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_101:
0.5138 - val_loss: 0.7990 - val_auc_101: 0.5167
Epoch 168/700
267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_101:
0.5122 - val_loss: 0.7251 - val_auc_101: 0.5199
Epoch 169/700

267/267 [=====] - 1s 3ms/step - loss: 0.7962 - auc_101:
0.5147 - val_loss: 0.8440 - val_auc_101: 0.5141
Epoch 170/700
267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_101:
0.5145 - val_loss: 0.7450 - val_auc_101: 0.5192
Epoch 171/700
267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_101:
0.5123 - val_loss: 0.8045 - val_auc_101: 0.5114
Epoch 172/700
267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_101:
0.5134 - val_loss: 0.7291 - val_auc_101: 0.5197
Epoch 173/700
267/267 [=====] - 1s 3ms/step - loss: 0.7960 - auc_101:
0.5121 - val_loss: 0.7815 - val_auc_101: 0.5136
Epoch 174/700
267/267 [=====] - 1s 3ms/step - loss: 0.8057 - auc_101:
0.5111 - val_loss: 0.8062 - val_auc_101: 0.5200
Epoch 175/700
267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_101:
0.5139 - val_loss: 0.7514 - val_auc_101: 0.5208
Epoch 176/700
267/267 [=====] - 1s 3ms/step - loss: 0.7923 - auc_101:
0.5136 - val_loss: 0.8390 - val_auc_101: 0.5223
Epoch 177/700
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_101:
0.5131 - val_loss: 0.7332 - val_auc_101: 0.5227
Epoch 178/700
267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_101:
0.5127 - val_loss: 0.7374 - val_auc_101: 0.5248
Epoch 179/700
267/267 [=====] - 1s 3ms/step - loss: 0.8067 - auc_101:
0.5130 - val_loss: 0.7952 - val_auc_101: 0.5170
Epoch 180/700
267/267 [=====] - 1s 3ms/step - loss: 0.8084 - auc_101:
0.5125 - val_loss: 0.8445 - val_auc_101: 0.5161
Epoch 181/700
267/267 [=====] - 1s 3ms/step - loss: 0.7731 - auc_101:
0.5160 - val_loss: 0.7181 - val_auc_101: 0.5234
Epoch 182/700
267/267 [=====] - 1s 3ms/step - loss: 0.7699 - auc_101:
0.5171 - val_loss: 0.7596 - val_auc_101: 0.5162
Epoch 183/700
267/267 [=====] - 1s 3ms/step - loss: 0.7750 - auc_101:
0.5163 - val_loss: 0.7999 - val_auc_101: 0.5164
Epoch 184/700
267/267 [=====] - 1s 3ms/step - loss: 0.7990 - auc_101:
0.5137 - val_loss: 0.7820 - val_auc_101: 0.5143
Epoch 185/700

267/267 [=====] - 1s 3ms/step - loss: 0.7679 - auc_101:
0.5139 - val_loss: 0.7810 - val_auc_101: 0.5209
Epoch 186/700
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_101:
0.5118 - val_loss: 0.7418 - val_auc_101: 0.5233
Epoch 187/700
267/267 [=====] - 1s 3ms/step - loss: 0.8205 - auc_101:
0.5150 - val_loss: 0.7345 - val_auc_101: 0.5233
Epoch 188/700
267/267 [=====] - 1s 3ms/step - loss: 0.7945 - auc_101:
0.5158 - val_loss: 0.7380 - val_auc_101: 0.5202
Epoch 189/700
267/267 [=====] - 1s 3ms/step - loss: 0.8068 - auc_101:
0.5149 - val_loss: 0.9358 - val_auc_101: 0.5164
Epoch 190/700
267/267 [=====] - 1s 3ms/step - loss: 0.7895 - auc_101:
0.5129 - val_loss: 0.7868 - val_auc_101: 0.5118
Epoch 191/700
267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_101:
0.5125 - val_loss: 0.7956 - val_auc_101: 0.5244
Epoch 192/700
267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_101:
0.5109 - val_loss: 0.7658 - val_auc_101: 0.5174
Epoch 193/700
267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_101:
0.5173 - val_loss: 0.7636 - val_auc_101: 0.5241
Epoch 194/700
267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_101:
0.5146 - val_loss: 0.8151 - val_auc_101: 0.5061
Epoch 195/700
267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_101:
0.5135 - val_loss: 0.7371 - val_auc_101: 0.5217
Epoch 196/700
267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_101:
0.5147 - val_loss: 0.7779 - val_auc_101: 0.5152
Epoch 197/700
267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_101:
0.5145 - val_loss: 0.7541 - val_auc_101: 0.5144
Epoch 198/700
267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_101:
0.5150 - val_loss: 0.7999 - val_auc_101: 0.5183
Epoch 199/700
267/267 [=====] - 1s 3ms/step - loss: 0.8399 - auc_101:
0.5145 - val_loss: 0.7668 - val_auc_101: 0.5173
Epoch 200/700
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_101:
0.5135 - val_loss: 0.7427 - val_auc_101: 0.5180
Epoch 201/700

267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_101:
 0.5147 - val_loss: 0.7484 - val_auc_101: 0.5226
 Epoch 202/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_101:
 0.5134 - val_loss: 0.7184 - val_auc_101: 0.5208
 Epoch 203/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7942 - auc_101:
 0.5133 - val_loss: 0.7889 - val_auc_101: 0.5208
 Epoch 204/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_101:
 0.5139 - val_loss: 0.7646 - val_auc_101: 0.5141
 Epoch 205/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8059 - auc_101:
 0.5149 - val_loss: 0.7416 - val_auc_101: 0.5211
 Epoch 206/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_101:
 0.5140 - val_loss: 0.7473 - val_auc_101: 0.5156
 Epoch 207/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7678 - auc_101:
 0.5118 - val_loss: 0.7098 - val_auc_101: 0.5203
 Epoch 208/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_101:
 0.5151 - val_loss: 0.7363 - val_auc_101: 0.5202
 Epoch 209/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8091 - auc_101:
 0.5125 - val_loss: 0.7343 - val_auc_101: 0.5190
 Epoch 210/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_101:
 0.5129 - val_loss: 0.7387 - val_auc_101: 0.5179
 Epoch 211/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_101:
 0.5153 - val_loss: 0.8225 - val_auc_101: 0.5216
 Epoch 212/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_101:
 0.5146 - val_loss: 0.7514 - val_auc_101: 0.5258
 Epoch 213/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_101:
 0.5137 - val_loss: 0.8447 - val_auc_101: 0.5165
 Epoch 214/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_101:
 0.5165 - val_loss: 0.8153 - val_auc_101: 0.5155
 Epoch 215/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_101:
 0.5120 - val_loss: 0.9235 - val_auc_101: 0.5101
 Epoch 216/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7927 - auc_101:
 0.5143 - val_loss: 0.7647 - val_auc_101: 0.5183
 Epoch 217/700

267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_101:
 0.5137 - val_loss: 0.8548 - val_auc_101: 0.5188
 Epoch 218/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_101:
 0.5155 - val_loss: 0.8233 - val_auc_101: 0.5153
 Epoch 219/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8163 - auc_101:
 0.5134 - val_loss: 0.8167 - val_auc_101: 0.5143
 Epoch 220/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_101:
 0.5130 - val_loss: 0.8603 - val_auc_101: 0.5214
 Epoch 221/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_101:
 0.5149 - val_loss: 0.8665 - val_auc_101: 0.5146
 Epoch 222/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_101:
 0.5155 - val_loss: 0.7706 - val_auc_101: 0.5174
 Epoch 223/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_101:
 0.5159 - val_loss: 0.7326 - val_auc_101: 0.5270
 Epoch 224/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7924 - auc_101:
 0.5161 - val_loss: 0.8060 - val_auc_101: 0.5178
 Epoch 225/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_101:
 0.5170 - val_loss: 0.8470 - val_auc_101: 0.5136
 Epoch 226/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_101:
 0.5152 - val_loss: 0.7645 - val_auc_101: 0.5147
 Epoch 227/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8149 - auc_101:
 0.5134 - val_loss: 0.7871 - val_auc_101: 0.5153
 Epoch 228/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8120 - auc_101:
 0.5181 - val_loss: 0.7839 - val_auc_101: 0.5208
 Epoch 229/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_101:
 0.5149 - val_loss: 0.7831 - val_auc_101: 0.5159
 Epoch 230/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_101:
 0.5130 - val_loss: 0.8943 - val_auc_101: 0.5145
 Epoch 231/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_101:
 0.5132 - val_loss: 0.7537 - val_auc_101: 0.5166
 Epoch 232/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_101:
 0.5172 - val_loss: 0.7656 - val_auc_101: 0.5232
 Epoch 233/700

267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_101:
 0.5150 - val_loss: 0.9160 - val_auc_101: 0.5144
 Epoch 234/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_101:
 0.5166 - val_loss: 0.7681 - val_auc_101: 0.5201
 Epoch 235/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7831 - auc_101:
 0.5149 - val_loss: 0.7774 - val_auc_101: 0.5132
 Epoch 236/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7670 - auc_101:
 0.5154 - val_loss: 0.8303 - val_auc_101: 0.5247
 Epoch 237/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_101:
 0.5149 - val_loss: 0.7595 - val_auc_101: 0.5207
 Epoch 238/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_101:
 0.5147 - val_loss: 0.7198 - val_auc_101: 0.5225
 Epoch 239/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_101:
 0.5150 - val_loss: 0.8444 - val_auc_101: 0.5168
 Epoch 240/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7634 - auc_101:
 0.5173 - val_loss: 0.9238 - val_auc_101: 0.5215
 Epoch 241/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_101:
 0.5191 - val_loss: 1.1067 - val_auc_101: 0.5125
 Epoch 242/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_101:
 0.5172 - val_loss: 0.7652 - val_auc_101: 0.5205
 Epoch 243/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8008 - auc_101:
 0.5162 - val_loss: 0.7352 - val_auc_101: 0.5245
 Epoch 244/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_101:
 0.5190 - val_loss: 0.7634 - val_auc_101: 0.5124
 Epoch 245/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7954 - auc_101:
 0.5145 - val_loss: 0.7530 - val_auc_101: 0.5201
 Epoch 246/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_101:
 0.5164 - val_loss: 0.7555 - val_auc_101: 0.5172
 Epoch 247/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_101:
 0.5155 - val_loss: 0.8417 - val_auc_101: 0.5206
 Epoch 248/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7921 - auc_101:
 0.5172 - val_loss: 0.8434 - val_auc_101: 0.5139
 Epoch 249/700

267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_101:
 0.5142 - val_loss: 0.7400 - val_auc_101: 0.5209
 Epoch 250/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7936 - auc_101:
 0.5167 - val_loss: 0.7995 - val_auc_101: 0.5169
 Epoch 251/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_101:
 0.5149 - val_loss: 0.8183 - val_auc_101: 0.5210
 Epoch 252/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8103 - auc_101:
 0.5152 - val_loss: 0.8231 - val_auc_101: 0.5232
 Epoch 253/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_101:
 0.5157 - val_loss: 0.7314 - val_auc_101: 0.5250
 Epoch 254/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7892 - auc_101:
 0.5155 - val_loss: 0.7876 - val_auc_101: 0.5169
 Epoch 255/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7962 - auc_101:
 0.5146 - val_loss: 0.7954 - val_auc_101: 0.5132
 Epoch 256/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_101:
 0.5170 - val_loss: 0.7495 - val_auc_101: 0.5238
 Epoch 257/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_101:
 0.5139 - val_loss: 0.8041 - val_auc_101: 0.5198
 Epoch 258/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8220 - auc_101:
 0.5155 - val_loss: 0.8144 - val_auc_101: 0.5188
 Epoch 259/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7995 - auc_101:
 0.5147 - val_loss: 0.7691 - val_auc_101: 0.5163
 Epoch 260/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8069 - auc_101:
 0.5142 - val_loss: 0.7438 - val_auc_101: 0.5214
 Epoch 261/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_101:
 0.5182 - val_loss: 0.7513 - val_auc_101: 0.5114
 Epoch 262/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7804 - auc_101:
 0.5161 - val_loss: 0.7969 - val_auc_101: 0.5231
 Epoch 263/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_101:
 0.5158 - val_loss: 0.7957 - val_auc_101: 0.5265
 Epoch 264/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_101:
 0.5130 - val_loss: 0.7205 - val_auc_101: 0.5184
 Epoch 265/700

267/267 [=====] - 1s 3ms/step - loss: 0.7631 - auc_101:
 0.5146 - val_loss: 0.7372 - val_auc_101: 0.5167
 Epoch 266/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_101:
 0.5163 - val_loss: 0.8290 - val_auc_101: 0.5131
 Epoch 267/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_101:
 0.5155 - val_loss: 0.7911 - val_auc_101: 0.5168
 Epoch 268/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8048 - auc_101:
 0.5137 - val_loss: 0.7985 - val_auc_101: 0.5105
 Epoch 269/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_101:
 0.5160 - val_loss: 0.7604 - val_auc_101: 0.5181
 Epoch 270/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_101:
 0.5158 - val_loss: 0.7577 - val_auc_101: 0.5240
 Epoch 271/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_101:
 0.5133 - val_loss: 0.7152 - val_auc_101: 0.5233
 Epoch 272/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7836 - auc_101:
 0.5184 - val_loss: 0.7595 - val_auc_101: 0.5169
 Epoch 273/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_101:
 0.5139 - val_loss: 0.7578 - val_auc_101: 0.5212
 Epoch 274/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7750 - auc_101:
 0.5151 - val_loss: 0.7417 - val_auc_101: 0.5163
 Epoch 275/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_101:
 0.5171 - val_loss: 0.7793 - val_auc_101: 0.5147
 Epoch 276/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_101:
 0.5157 - val_loss: 0.7632 - val_auc_101: 0.5232
 Epoch 277/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7895 - auc_101:
 0.5157 - val_loss: 0.7694 - val_auc_101: 0.5150
 Epoch 278/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7938 - auc_101:
 0.5154 - val_loss: 0.7255 - val_auc_101: 0.5234
 Epoch 279/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7997 - auc_101:
 0.5173 - val_loss: 0.7978 - val_auc_101: 0.5183
 Epoch 280/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_101:
 0.5137 - val_loss: 0.8560 - val_auc_101: 0.5260
 Epoch 281/700

267/267 [=====] - 1s 3ms/step - loss: 0.8119 - auc_101:
0.5148 - val_loss: 0.7386 - val_auc_101: 0.5210
Epoch 282/700
267/267 [=====] - 1s 3ms/step - loss: 0.7681 - auc_101:
0.5169 - val_loss: 0.7932 - val_auc_101: 0.5198
Epoch 283/700
267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_101:
0.5162 - val_loss: 0.7900 - val_auc_101: 0.5165
Epoch 284/700
267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_101:
0.5150 - val_loss: 0.8130 - val_auc_101: 0.5202
Epoch 285/700
267/267 [=====] - 1s 3ms/step - loss: 0.7959 - auc_101:
0.5139 - val_loss: 0.7146 - val_auc_101: 0.5226
Epoch 286/700
267/267 [=====] - 1s 3ms/step - loss: 0.7942 - auc_101:
0.5144 - val_loss: 0.8310 - val_auc_101: 0.5166
Epoch 287/700
267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_101:
0.5159 - val_loss: 0.7763 - val_auc_101: 0.5179
Epoch 288/700
267/267 [=====] - 1s 3ms/step - loss: 0.8014 - auc_101:
0.5171 - val_loss: 0.8655 - val_auc_101: 0.5184
Epoch 289/700
267/267 [=====] - 1s 3ms/step - loss: 0.8009 - auc_101:
0.5148 - val_loss: 0.7651 - val_auc_101: 0.5228
Epoch 290/700
267/267 [=====] - 1s 3ms/step - loss: 0.7929 - auc_101:
0.5178 - val_loss: 0.7838 - val_auc_101: 0.5143
Epoch 291/700
267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_101:
0.5158 - val_loss: 0.7830 - val_auc_101: 0.5158
Epoch 292/700
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_101:
0.5149 - val_loss: 0.7792 - val_auc_101: 0.5184
Epoch 293/700
267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_101:
0.5161 - val_loss: 0.7919 - val_auc_101: 0.5157
Epoch 294/700
267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_101:
0.5152 - val_loss: 0.8768 - val_auc_101: 0.5195
Epoch 295/700
267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_101:
0.5149 - val_loss: 0.7537 - val_auc_101: 0.5207
Epoch 296/700
267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_101:
0.5153 - val_loss: 0.8021 - val_auc_101: 0.5180
Epoch 297/700

267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_101:
 0.5154 - val_loss: 0.7526 - val_auc_101: 0.5205
 Epoch 298/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_101:
 0.5165 - val_loss: 0.8199 - val_auc_101: 0.5084
 Epoch 299/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_101:
 0.5144 - val_loss: 0.7575 - val_auc_101: 0.5178
 Epoch 300/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8019 - auc_101:
 0.5168 - val_loss: 0.7492 - val_auc_101: 0.5181
 Epoch 301/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_101:
 0.5174 - val_loss: 0.7752 - val_auc_101: 0.5224
 Epoch 302/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8079 - auc_101:
 0.5144 - val_loss: 0.8480 - val_auc_101: 0.5156
 Epoch 303/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8015 - auc_101:
 0.5163 - val_loss: 0.8525 - val_auc_101: 0.5113
 Epoch 304/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_101:
 0.5150 - val_loss: 0.7430 - val_auc_101: 0.5202
 Epoch 305/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_101:
 0.5165 - val_loss: 0.7889 - val_auc_101: 0.5189
 Epoch 306/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_101:
 0.5150 - val_loss: 0.7631 - val_auc_101: 0.5255
 Epoch 307/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7740 - auc_101:
 0.5156 - val_loss: 0.8702 - val_auc_101: 0.5169
 Epoch 308/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_101:
 0.5161 - val_loss: 0.7458 - val_auc_101: 0.5159
 Epoch 309/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7991 - auc_101:
 0.5136 - val_loss: 0.8708 - val_auc_101: 0.5164
 Epoch 310/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8332 - auc_101:
 0.5180 - val_loss: 0.7859 - val_auc_101: 0.5182
 Epoch 311/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_101:
 0.5153 - val_loss: 0.7796 - val_auc_101: 0.5156
 Epoch 312/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_101:
 0.5164 - val_loss: 0.8329 - val_auc_101: 0.5141
 Epoch 313/700

267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_101:
 0.5178 - val_loss: 0.8044 - val_auc_101: 0.5176
 Epoch 314/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_101:
 0.5161 - val_loss: 0.7970 - val_auc_101: 0.5223
 Epoch 315/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_101:
 0.5168 - val_loss: 0.8034 - val_auc_101: 0.5158
 Epoch 316/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8023 - auc_101:
 0.5188 - val_loss: 0.7312 - val_auc_101: 0.5215
 Epoch 317/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_101:
 0.5161 - val_loss: 0.7668 - val_auc_101: 0.5253
 Epoch 318/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_101:
 0.5151 - val_loss: 0.7626 - val_auc_101: 0.5263
 Epoch 319/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7707 - auc_101:
 0.5174 - val_loss: 0.7601 - val_auc_101: 0.5161
 Epoch 320/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_101:
 0.5176 - val_loss: 0.8000 - val_auc_101: 0.5208
 Epoch 321/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_101:
 0.5165 - val_loss: 0.7418 - val_auc_101: 0.5170
 Epoch 322/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_101:
 0.5183 - val_loss: 0.7315 - val_auc_101: 0.5246
 Epoch 323/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7959 - auc_101:
 0.5155 - val_loss: 0.7915 - val_auc_101: 0.5153
 Epoch 324/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_101:
 0.5137 - val_loss: 0.7202 - val_auc_101: 0.5215
 Epoch 325/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_101:
 0.5138 - val_loss: 0.7265 - val_auc_101: 0.5234
 Epoch 326/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_101:
 0.5158 - val_loss: 0.8648 - val_auc_101: 0.5258
 Epoch 327/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8102 - auc_101:
 0.5159 - val_loss: 0.7722 - val_auc_101: 0.5189
 Epoch 328/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7926 - auc_101:
 0.5152 - val_loss: 0.7596 - val_auc_101: 0.5214
 Epoch 329/700

267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_101:
 0.5159 - val_loss: 0.7510 - val_auc_101: 0.5212
 Epoch 330/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_101:
 0.5158 - val_loss: 0.7839 - val_auc_101: 0.5132
 Epoch 331/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7698 - auc_101:
 0.5144 - val_loss: 0.7506 - val_auc_101: 0.5203
 Epoch 332/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_101:
 0.5163 - val_loss: 0.8432 - val_auc_101: 0.5088
 Epoch 333/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_101:
 0.5183 - val_loss: 0.7614 - val_auc_101: 0.5126
 Epoch 334/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7620 - auc_101:
 0.5153 - val_loss: 0.7625 - val_auc_101: 0.5180
 Epoch 335/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7644 - auc_101:
 0.5165 - val_loss: 0.7346 - val_auc_101: 0.5198
 Epoch 336/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_101:
 0.5161 - val_loss: 0.7302 - val_auc_101: 0.5225
 Epoch 337/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_101:
 0.5175 - val_loss: 0.8240 - val_auc_101: 0.5258
 Epoch 338/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_101:
 0.5183 - val_loss: 0.7929 - val_auc_101: 0.5188
 Epoch 339/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_101:
 0.5175 - val_loss: 0.7222 - val_auc_101: 0.5216
 Epoch 340/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7655 - auc_101:
 0.5140 - val_loss: 0.8000 - val_auc_101: 0.5218
 Epoch 341/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_101:
 0.5153 - val_loss: 0.7728 - val_auc_101: 0.5150
 Epoch 342/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_101:
 0.5166 - val_loss: 0.7714 - val_auc_101: 0.5170
 Epoch 343/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8020 - auc_101:
 0.5165 - val_loss: 0.7841 - val_auc_101: 0.5176
 Epoch 344/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_101:
 0.5160 - val_loss: 0.7872 - val_auc_101: 0.5159
 Epoch 345/700

267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_101:
 0.5177 - val_loss: 0.7495 - val_auc_101: 0.5201
 Epoch 346/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_101:
 0.5171 - val_loss: 0.7677 - val_auc_101: 0.5155
 Epoch 347/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_101:
 0.5160 - val_loss: 0.8003 - val_auc_101: 0.5144
 Epoch 348/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7695 - auc_101:
 0.5165 - val_loss: 0.7334 - val_auc_101: 0.5200
 Epoch 349/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_101:
 0.5163 - val_loss: 0.7809 - val_auc_101: 0.5132
 Epoch 350/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7877 - auc_101:
 0.5170 - val_loss: 0.7455 - val_auc_101: 0.5126
 Epoch 351/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_101:
 0.5153 - val_loss: 0.8228 - val_auc_101: 0.5232
 Epoch 352/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8068 - auc_101:
 0.5154 - val_loss: 0.7931 - val_auc_101: 0.5213
 Epoch 353/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_101:
 0.5172 - val_loss: 0.7794 - val_auc_101: 0.5243
 Epoch 354/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7644 - auc_101:
 0.5214 - val_loss: 0.7908 - val_auc_101: 0.5130
 Epoch 355/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7684 - auc_101:
 0.5162 - val_loss: 0.7928 - val_auc_101: 0.5225
 Epoch 356/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_101:
 0.5177 - val_loss: 0.7934 - val_auc_101: 0.5183
 Epoch 357/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_101:
 0.5158 - val_loss: 0.8525 - val_auc_101: 0.5125
 Epoch 358/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7697 - auc_101:
 0.5180 - val_loss: 0.7680 - val_auc_101: 0.5203
 Epoch 359/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_101:
 0.5164 - val_loss: 0.8122 - val_auc_101: 0.5157
 Epoch 360/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_101:
 0.5159 - val_loss: 0.7740 - val_auc_101: 0.5189
 Epoch 361/700

267/267 [=====] - 1s 3ms/step - loss: 0.8070 - auc_101:
 0.5171 - val_loss: 0.7691 - val_auc_101: 0.5204
 Epoch 362/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7967 - auc_101:
 0.5171 - val_loss: 0.8265 - val_auc_101: 0.5216
 Epoch 363/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_101:
 0.5175 - val_loss: 0.7405 - val_auc_101: 0.5204
 Epoch 364/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_101:
 0.5190 - val_loss: 0.7859 - val_auc_101: 0.5127
 Epoch 365/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8008 - auc_101:
 0.5161 - val_loss: 0.8340 - val_auc_101: 0.5145
 Epoch 366/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_101:
 0.5134 - val_loss: 0.7541 - val_auc_101: 0.5229
 Epoch 367/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_101:
 0.5163 - val_loss: 0.9848 - val_auc_101: 0.5119
 Epoch 368/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_101:
 0.5152 - val_loss: 0.7938 - val_auc_101: 0.5142
 Epoch 369/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7666 - auc_101:
 0.5184 - val_loss: 0.8170 - val_auc_101: 0.5220
 Epoch 370/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_101:
 0.5156 - val_loss: 0.7985 - val_auc_101: 0.5198
 Epoch 371/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_101:
 0.5156 - val_loss: 0.7630 - val_auc_101: 0.5201
 Epoch 372/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8124 - auc_101:
 0.5151 - val_loss: 0.8754 - val_auc_101: 0.5077
 Epoch 373/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_101:
 0.5181 - val_loss: 0.7209 - val_auc_101: 0.5248
 Epoch 374/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7892 - auc_101:
 0.5158 - val_loss: 0.7894 - val_auc_101: 0.5163
 Epoch 375/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_101:
 0.5191 - val_loss: 0.7345 - val_auc_101: 0.5184
 Epoch 376/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7915 - auc_101:
 0.5163 - val_loss: 0.7593 - val_auc_101: 0.5274
 Epoch 377/700

267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_101:
0.5189 - val_loss: 0.7337 - val_auc_101: 0.5205
Epoch 378/700
267/267 [=====] - 1s 3ms/step - loss: 0.8144 - auc_101:
0.5156 - val_loss: 0.7467 - val_auc_101: 0.5203
Epoch 379/700
267/267 [=====] - 1s 3ms/step - loss: 0.7641 - auc_101:
0.5182 - val_loss: 0.7275 - val_auc_101: 0.5231
Epoch 380/700
267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_101:
0.5153 - val_loss: 0.7594 - val_auc_101: 0.5193
Epoch 381/700
267/267 [=====] - 1s 3ms/step - loss: 0.7960 - auc_101:
0.5177 - val_loss: 0.7248 - val_auc_101: 0.5191
Epoch 382/700
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_101:
0.5169 - val_loss: 0.8315 - val_auc_101: 0.5243
Epoch 383/700
267/267 [=====] - 1s 3ms/step - loss: 0.7650 - auc_101:
0.5186 - val_loss: 0.7836 - val_auc_101: 0.5142
Epoch 384/700
267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_101:
0.5169 - val_loss: 0.7423 - val_auc_101: 0.5209
Epoch 385/700
267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_101:
0.5154 - val_loss: 0.7443 - val_auc_101: 0.5181
Epoch 386/700
267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_101:
0.5161 - val_loss: 0.7569 - val_auc_101: 0.5233
Epoch 387/700
267/267 [=====] - 1s 3ms/step - loss: 0.7656 - auc_101:
0.5167 - val_loss: 0.7466 - val_auc_101: 0.5202
Epoch 388/700
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_101:
0.5157 - val_loss: 0.7338 - val_auc_101: 0.5195
Epoch 389/700
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_101:
0.5147 - val_loss: 0.9228 - val_auc_101: 0.5171
Epoch 390/700
267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_101:
0.5168 - val_loss: 0.8304 - val_auc_101: 0.5220
Epoch 391/700
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_101:
0.5177 - val_loss: 0.7266 - val_auc_101: 0.5213
Epoch 392/700
267/267 [=====] - 1s 3ms/step - loss: 0.7599 - auc_101:
0.5159 - val_loss: 0.7515 - val_auc_101: 0.5223
Epoch 393/700

267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_101:
 0.5163 - val_loss: 0.7685 - val_auc_101: 0.5189
 Epoch 394/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8037 - auc_101:
 0.5162 - val_loss: 0.7537 - val_auc_101: 0.5248
 Epoch 395/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_101:
 0.5176 - val_loss: 0.7545 - val_auc_101: 0.5203
 Epoch 396/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7668 - auc_101:
 0.5192 - val_loss: 0.7550 - val_auc_101: 0.5251
 Epoch 397/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_101:
 0.5167 - val_loss: 0.8358 - val_auc_101: 0.5107
 Epoch 398/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7942 - auc_101:
 0.5166 - val_loss: 0.7947 - val_auc_101: 0.5164
 Epoch 399/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7576 - auc_101:
 0.5176 - val_loss: 0.7095 - val_auc_101: 0.5248
 Epoch 400/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7871 - auc_101:
 0.5163 - val_loss: 0.7748 - val_auc_101: 0.5163
 Epoch 401/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_101:
 0.5169 - val_loss: 0.7508 - val_auc_101: 0.5189
 Epoch 402/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7697 - auc_101:
 0.5177 - val_loss: 0.8319 - val_auc_101: 0.5248
 Epoch 403/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_101:
 0.5167 - val_loss: 0.8374 - val_auc_101: 0.5194
 Epoch 404/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_101:
 0.5161 - val_loss: 0.7955 - val_auc_101: 0.5178
 Epoch 405/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_101:
 0.5187 - val_loss: 0.7554 - val_auc_101: 0.5150
 Epoch 406/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8008 - auc_101:
 0.5174 - val_loss: 0.7301 - val_auc_101: 0.5213
 Epoch 407/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_101:
 0.5163 - val_loss: 0.7358 - val_auc_101: 0.5170
 Epoch 408/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7978 - auc_101:
 0.5171 - val_loss: 0.7444 - val_auc_101: 0.5219
 Epoch 409/700

267/267 [=====] - 1s 3ms/step - loss: 0.8121 - auc_101:
 0.5156 - val_loss: 0.7172 - val_auc_101: 0.5223
 Epoch 410/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_101:
 0.5182 - val_loss: 0.7980 - val_auc_101: 0.5205
 Epoch 411/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7943 - auc_101:
 0.5158 - val_loss: 0.7405 - val_auc_101: 0.5175
 Epoch 412/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7651 - auc_101:
 0.5191 - val_loss: 0.7115 - val_auc_101: 0.5259
 Epoch 413/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_101:
 0.5160 - val_loss: 0.8074 - val_auc_101: 0.5213
 Epoch 414/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8287 - auc_101:
 0.5188 - val_loss: 0.9088 - val_auc_101: 0.5142
 Epoch 415/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_101:
 0.5141 - val_loss: 0.7266 - val_auc_101: 0.5188
 Epoch 416/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_101:
 0.5160 - val_loss: 0.7994 - val_auc_101: 0.5239
 Epoch 417/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7699 - auc_101:
 0.5157 - val_loss: 0.9444 - val_auc_101: 0.5217
 Epoch 418/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8116 - auc_101:
 0.5187 - val_loss: 0.8159 - val_auc_101: 0.5129
 Epoch 419/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7921 - auc_101:
 0.5129 - val_loss: 0.8322 - val_auc_101: 0.5127
 Epoch 420/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7935 - auc_101:
 0.5175 - val_loss: 0.7566 - val_auc_101: 0.5198
 Epoch 421/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_101:
 0.5143 - val_loss: 0.9012 - val_auc_101: 0.5251
 Epoch 422/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_101:
 0.5176 - val_loss: 0.7199 - val_auc_101: 0.5220
 Epoch 423/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_101:
 0.5179 - val_loss: 0.7628 - val_auc_101: 0.5182
 Epoch 424/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8018 - auc_101:
 0.5176 - val_loss: 0.8649 - val_auc_101: 0.5223
 Epoch 425/700

267/267 [=====] - 1s 3ms/step - loss: 0.7976 - auc_101:
0.5180 - val_loss: 0.8195 - val_auc_101: 0.5208
Epoch 426/700
267/267 [=====] - 1s 3ms/step - loss: 0.8042 - auc_101:
0.5189 - val_loss: 0.7766 - val_auc_101: 0.5157
Epoch 427/700
267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_101:
0.5170 - val_loss: 0.7218 - val_auc_101: 0.5203
Epoch 428/700
267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_101:
0.5164 - val_loss: 0.7424 - val_auc_101: 0.5202
Epoch 429/700
267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_101:
0.5177 - val_loss: 0.7784 - val_auc_101: 0.5212
Epoch 430/700
267/267 [=====] - 1s 3ms/step - loss: 0.7735 - auc_101:
0.5167 - val_loss: 0.8488 - val_auc_101: 0.5165
Epoch 431/700
267/267 [=====] - 1s 3ms/step - loss: 0.8037 - auc_101:
0.5191 - val_loss: 0.7278 - val_auc_101: 0.5192
Epoch 432/700
267/267 [=====] - 1s 3ms/step - loss: 0.7738 - auc_101:
0.5185 - val_loss: 0.8780 - val_auc_101: 0.5162
Epoch 433/700
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_101:
0.5162 - val_loss: 0.7824 - val_auc_101: 0.5180
Epoch 434/700
267/267 [=====] - 1s 3ms/step - loss: 0.8070 - auc_101:
0.5163 - val_loss: 0.7640 - val_auc_101: 0.5178
Epoch 435/700
267/267 [=====] - 1s 3ms/step - loss: 0.7703 - auc_101:
0.5166 - val_loss: 0.8005 - val_auc_101: 0.5119
Epoch 436/700
267/267 [=====] - 1s 3ms/step - loss: 0.7890 - auc_101:
0.5148 - val_loss: 0.7438 - val_auc_101: 0.5208
Epoch 437/700
267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_101:
0.5171 - val_loss: 0.7088 - val_auc_101: 0.5256
Epoch 438/700
267/267 [=====] - 1s 3ms/step - loss: 0.7570 - auc_101:
0.5154 - val_loss: 0.7838 - val_auc_101: 0.5158
Epoch 439/700
267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_101:
0.5160 - val_loss: 0.7542 - val_auc_101: 0.5215
Epoch 440/700
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_101:
0.5184 - val_loss: 0.7263 - val_auc_101: 0.5180
Epoch 441/700

267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_101:
0.5189 - val_loss: 0.8107 - val_auc_101: 0.5205
Epoch 442/700
267/267 [=====] - 1s 3ms/step - loss: 0.7924 - auc_101:
0.5160 - val_loss: 0.8663 - val_auc_101: 0.5166
Epoch 443/700
267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_101:
0.5169 - val_loss: 0.7694 - val_auc_101: 0.5185
Epoch 444/700
267/267 [=====] - 1s 3ms/step - loss: 0.8047 - auc_101:
0.5178 - val_loss: 0.9934 - val_auc_101: 0.5163
Epoch 445/700
267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_101:
0.5170 - val_loss: 0.8502 - val_auc_101: 0.5182
Epoch 446/700
267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_101:
0.5167 - val_loss: 0.7531 - val_auc_101: 0.5191
Epoch 447/700
267/267 [=====] - 1s 3ms/step - loss: 0.7669 - auc_101:
0.5154 - val_loss: 0.7767 - val_auc_101: 0.5138
Epoch 448/700
267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_101:
0.5169 - val_loss: 0.7486 - val_auc_101: 0.5242
Epoch 449/700
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_101:
0.5176 - val_loss: 0.7671 - val_auc_101: 0.5187
Epoch 450/700
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_101:
0.5170 - val_loss: 0.8851 - val_auc_101: 0.5166
Epoch 451/700
267/267 [=====] - 1s 3ms/step - loss: 0.8248 - auc_101:
0.5157 - val_loss: 0.8210 - val_auc_101: 0.5187
Epoch 452/700
267/267 [=====] - 1s 3ms/step - loss: 0.8007 - auc_101:
0.5190 - val_loss: 0.7289 - val_auc_101: 0.5218
Epoch 453/700
267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_101:
0.5187 - val_loss: 0.7694 - val_auc_101: 0.5187
Epoch 454/700
267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_101:
0.5166 - val_loss: 0.8438 - val_auc_101: 0.5194
Epoch 455/700
267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_101:
0.5190 - val_loss: 0.7206 - val_auc_101: 0.5187
Epoch 456/700
267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_101:
0.5189 - val_loss: 0.7498 - val_auc_101: 0.5238
Epoch 457/700

267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_101:
0.5207 - val_loss: 0.7663 - val_auc_101: 0.5174
Epoch 458/700
267/267 [=====] - 1s 3ms/step - loss: 0.7664 - auc_101:
0.5161 - val_loss: 0.7318 - val_auc_101: 0.5189
Epoch 459/700
267/267 [=====] - 1s 3ms/step - loss: 0.7699 - auc_101:
0.5174 - val_loss: 0.7699 - val_auc_101: 0.5156
Epoch 460/700
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_101:
0.5186 - val_loss: 1.0142 - val_auc_101: 0.5179
Epoch 461/700
267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_101:
0.5167 - val_loss: 0.7806 - val_auc_101: 0.5213
Epoch 462/700
267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_101:
0.5171 - val_loss: 0.7244 - val_auc_101: 0.5202
Epoch 463/700
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_101:
0.5177 - val_loss: 0.7552 - val_auc_101: 0.5161
Epoch 464/700
267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_101:
0.5167 - val_loss: 0.7381 - val_auc_101: 0.5213
Epoch 465/700
267/267 [=====] - 1s 3ms/step - loss: 0.7992 - auc_101:
0.5187 - val_loss: 0.7521 - val_auc_101: 0.5194
Epoch 466/700
267/267 [=====] - 1s 3ms/step - loss: 0.7695 - auc_101:
0.5156 - val_loss: 0.7362 - val_auc_101: 0.5215
Epoch 467/700
267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_101:
0.5176 - val_loss: 0.8049 - val_auc_101: 0.5208
Epoch 468/700
267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_101:
0.5169 - val_loss: 0.7707 - val_auc_101: 0.5178
Epoch 469/700
267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_101:
0.5186 - val_loss: 0.7178 - val_auc_101: 0.5220
Epoch 470/700
267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_101:
0.5146 - val_loss: 0.7759 - val_auc_101: 0.5197
Epoch 471/700
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_101:
0.5169 - val_loss: 0.8000 - val_auc_101: 0.5179
Epoch 472/700
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_101:
0.5188 - val_loss: 0.8541 - val_auc_101: 0.5178
Epoch 473/700

267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_101:
0.5192 - val_loss: 0.8041 - val_auc_101: 0.5225
Epoch 474/700
267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_101:
0.5181 - val_loss: 0.7690 - val_auc_101: 0.5221
Epoch 475/700
267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_101:
0.5189 - val_loss: 0.9522 - val_auc_101: 0.5197
Epoch 476/700
267/267 [=====] - 1s 3ms/step - loss: 0.8118 - auc_101:
0.5191 - val_loss: 0.9523 - val_auc_101: 0.5193
Epoch 477/700
267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_101:
0.5175 - val_loss: 0.8137 - val_auc_101: 0.5123
Epoch 478/700
267/267 [=====] - 1s 3ms/step - loss: 0.8113 - auc_101:
0.5167 - val_loss: 0.7681 - val_auc_101: 0.5192
Epoch 479/700
267/267 [=====] - 1s 3ms/step - loss: 0.8031 - auc_101:
0.5173 - val_loss: 0.7899 - val_auc_101: 0.5173
Epoch 480/700
267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_101:
0.5174 - val_loss: 0.7305 - val_auc_101: 0.5230
Epoch 481/700
267/267 [=====] - 1s 3ms/step - loss: 0.7608 - auc_101:
0.5180 - val_loss: 0.7480 - val_auc_101: 0.5189
Epoch 482/700
267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_101:
0.5189 - val_loss: 0.7809 - val_auc_101: 0.5164
Epoch 483/700
267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_101:
0.5158 - val_loss: 0.7601 - val_auc_101: 0.5197
Epoch 484/700
267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_101:
0.5199 - val_loss: 0.7629 - val_auc_101: 0.5186
Epoch 485/700
267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_101:
0.5188 - val_loss: 0.7788 - val_auc_101: 0.5217
Epoch 486/700
267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_101:
0.5201 - val_loss: 0.7445 - val_auc_101: 0.5188
Epoch 487/700
267/267 [=====] - 1s 3ms/step - loss: 0.8041 - auc_101:
0.5175 - val_loss: 0.8123 - val_auc_101: 0.5191
Epoch 488/700
267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_101:
0.5193 - val_loss: 0.7756 - val_auc_101: 0.5178
Epoch 489/700

267/267 [=====] - 1s 3ms/step - loss: 0.7920 - auc_101:
0.5176 - val_loss: 0.7307 - val_auc_101: 0.5214
Epoch 490/700
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_101:
0.5165 - val_loss: 0.7324 - val_auc_101: 0.5258
Epoch 491/700
267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_101:
0.5176 - val_loss: 0.7821 - val_auc_101: 0.5176
Epoch 492/700
267/267 [=====] - 1s 3ms/step - loss: 0.7619 - auc_101:
0.5179 - val_loss: 0.7199 - val_auc_101: 0.5235
Epoch 493/700
267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_101:
0.5188 - val_loss: 1.1586 - val_auc_101: 0.5205
Epoch 494/700
267/267 [=====] - 1s 3ms/step - loss: 0.8161 - auc_101:
0.5198 - val_loss: 0.7469 - val_auc_101: 0.5164
Epoch 495/700
267/267 [=====] - 1s 3ms/step - loss: 0.7980 - auc_101:
0.5183 - val_loss: 0.8110 - val_auc_101: 0.5178
Epoch 496/700
267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_101:
0.5182 - val_loss: 0.7672 - val_auc_101: 0.5155
Epoch 497/700
267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_101:
0.5149 - val_loss: 0.8188 - val_auc_101: 0.5176
Epoch 498/700
267/267 [=====] - 1s 3ms/step - loss: 0.8114 - auc_101:
0.5159 - val_loss: 0.9016 - val_auc_101: 0.5065
Epoch 499/700
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_101:
0.5168 - val_loss: 0.7680 - val_auc_101: 0.5172
Epoch 500/700
267/267 [=====] - 1s 3ms/step - loss: 0.7740 - auc_101:
0.5157 - val_loss: 0.8431 - val_auc_101: 0.5131
Epoch 501/700
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_101:
0.5177 - val_loss: 0.7548 - val_auc_101: 0.5169
Epoch 502/700
267/267 [=====] - 1s 3ms/step - loss: 0.8090 - auc_101:
0.5167 - val_loss: 0.7839 - val_auc_101: 0.5179
Epoch 503/700
267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_101:
0.5159 - val_loss: 0.7970 - val_auc_101: 0.5199
Epoch 504/700
267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_101:
0.5168 - val_loss: 0.7275 - val_auc_101: 0.5214
Epoch 505/700

267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_101:
0.5168 - val_loss: 0.8114 - val_auc_101: 0.5180
Epoch 506/700
267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_101:
0.5157 - val_loss: 0.8652 - val_auc_101: 0.5203
Epoch 507/700
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_101:
0.5166 - val_loss: 0.8354 - val_auc_101: 0.5207
Epoch 508/700
267/267 [=====] - 1s 3ms/step - loss: 0.7520 - auc_101:
0.5200 - val_loss: 0.7743 - val_auc_101: 0.5163
Epoch 509/700
267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_101:
0.5176 - val_loss: 0.7693 - val_auc_101: 0.5248
Epoch 510/700
267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_101:
0.5177 - val_loss: 0.7320 - val_auc_101: 0.5214
Epoch 511/700
267/267 [=====] - 1s 3ms/step - loss: 0.7686 - auc_101:
0.5184 - val_loss: 0.8212 - val_auc_101: 0.5159
Epoch 512/700
267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_101:
0.5172 - val_loss: 0.8021 - val_auc_101: 0.5177
Epoch 513/700
267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_101:
0.5198 - val_loss: 0.7552 - val_auc_101: 0.5245
Epoch 514/700
267/267 [=====] - 1s 3ms/step - loss: 0.8183 - auc_101:
0.5151 - val_loss: 0.8434 - val_auc_101: 0.5193
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_101:
0.5171 - val_loss: 0.7797 - val_auc_101: 0.5205
Epoch 516/700
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_101:
0.5210 - val_loss: 0.7508 - val_auc_101: 0.5269
Epoch 517/700
267/267 [=====] - 1s 3ms/step - loss: 0.8051 - auc_101:
0.5163 - val_loss: 0.8223 - val_auc_101: 0.5191
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 0.8146 - auc_101:
0.5187 - val_loss: 0.7275 - val_auc_101: 0.5195
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_101:
0.5185 - val_loss: 0.8878 - val_auc_101: 0.5200
Epoch 520/700
267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_101:
0.5182 - val_loss: 0.8032 - val_auc_101: 0.5194
Epoch 521/700

267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_101:
0.5185 - val_loss: 0.7637 - val_auc_101: 0.5202
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 0.7702 - auc_101:
0.5196 - val_loss: 0.8033 - val_auc_101: 0.5221
Epoch 523/700
267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_101:
0.5168 - val_loss: 0.7752 - val_auc_101: 0.5228
Epoch 524/700
267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_101:
0.5204 - val_loss: 0.7269 - val_auc_101: 0.5176
Epoch 525/700
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_101:
0.5167 - val_loss: 0.7450 - val_auc_101: 0.5196
Epoch 526/700
267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_101:
0.5179 - val_loss: 0.7393 - val_auc_101: 0.5188
Epoch 527/700
267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_101:
0.5190 - val_loss: 0.8177 - val_auc_101: 0.5169
Epoch 528/700
267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_101:
0.5185 - val_loss: 0.7890 - val_auc_101: 0.5132
Epoch 529/700
267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_101:
0.5184 - val_loss: 0.7637 - val_auc_101: 0.5151
Epoch 530/700
267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_101:
0.5162 - val_loss: 0.9526 - val_auc_101: 0.5157
Epoch 531/700
267/267 [=====] - 1s 3ms/step - loss: 0.7943 - auc_101:
0.5182 - val_loss: 0.7939 - val_auc_101: 0.5177
Epoch 532/700
267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_101:
0.5164 - val_loss: 0.7478 - val_auc_101: 0.5121
Epoch 533/700
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_101:
0.5185 - val_loss: 0.7452 - val_auc_101: 0.5116
Epoch 534/700
267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_101:
0.5161 - val_loss: 0.7360 - val_auc_101: 0.5242
Epoch 535/700
267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_101:
0.5164 - val_loss: 0.7781 - val_auc_101: 0.5155
Epoch 536/700
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_101:
0.5182 - val_loss: 0.7375 - val_auc_101: 0.5206
Epoch 537/700

267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_101:
 0.5196 - val_loss: 0.7312 - val_auc_101: 0.5196
 Epoch 538/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_101:
 0.5156 - val_loss: 0.8096 - val_auc_101: 0.5233
 Epoch 539/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_101:
 0.5155 - val_loss: 0.7216 - val_auc_101: 0.5180
 Epoch 540/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7959 - auc_101:
 0.5207 - val_loss: 0.8885 - val_auc_101: 0.5167
 Epoch 541/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7836 - auc_101:
 0.5184 - val_loss: 0.8163 - val_auc_101: 0.5170
 Epoch 542/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_101:
 0.5180 - val_loss: 0.7837 - val_auc_101: 0.5173
 Epoch 543/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_101:
 0.5147 - val_loss: 0.7845 - val_auc_101: 0.5194
 Epoch 544/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_101:
 0.5186 - val_loss: 0.8083 - val_auc_101: 0.5149
 Epoch 545/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7977 - auc_101:
 0.5176 - val_loss: 0.7291 - val_auc_101: 0.5141
 Epoch 546/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7877 - auc_101:
 0.5154 - val_loss: 0.7856 - val_auc_101: 0.5159
 Epoch 547/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_101:
 0.5211 - val_loss: 0.7631 - val_auc_101: 0.5269
 Epoch 548/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7919 - auc_101:
 0.5172 - val_loss: 0.7437 - val_auc_101: 0.5252
 Epoch 549/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_101:
 0.5166 - val_loss: 0.7565 - val_auc_101: 0.5199
 Epoch 550/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_101:
 0.5189 - val_loss: 0.7638 - val_auc_101: 0.5151
 Epoch 551/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8001 - auc_101:
 0.5201 - val_loss: 0.8004 - val_auc_101: 0.5145
 Epoch 552/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_101:
 0.5191 - val_loss: 0.8358 - val_auc_101: 0.5118
 Epoch 553/700

267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_101:
 0.5197 - val_loss: 0.7609 - val_auc_101: 0.5147
 Epoch 554/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7926 - auc_101:
 0.5182 - val_loss: 0.7624 - val_auc_101: 0.5177
 Epoch 555/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7653 - auc_101:
 0.5182 - val_loss: 0.7533 - val_auc_101: 0.5208
 Epoch 556/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_101:
 0.5176 - val_loss: 0.8336 - val_auc_101: 0.5240
 Epoch 557/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8028 - auc_101:
 0.5144 - val_loss: 0.8089 - val_auc_101: 0.5223
 Epoch 558/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_101:
 0.5175 - val_loss: 0.7254 - val_auc_101: 0.5213
 Epoch 559/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_101:
 0.5172 - val_loss: 0.7419 - val_auc_101: 0.5217
 Epoch 560/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_101:
 0.5197 - val_loss: 0.7778 - val_auc_101: 0.5229
 Epoch 561/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7645 - auc_101:
 0.5197 - val_loss: 0.8231 - val_auc_101: 0.5203
 Epoch 562/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_101:
 0.5200 - val_loss: 0.7225 - val_auc_101: 0.5190
 Epoch 563/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_101:
 0.5184 - val_loss: 0.7883 - val_auc_101: 0.5167
 Epoch 564/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8014 - auc_101:
 0.5193 - val_loss: 0.7269 - val_auc_101: 0.5220
 Epoch 565/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8004 - auc_101:
 0.5158 - val_loss: 0.7323 - val_auc_101: 0.5235
 Epoch 566/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_101:
 0.5170 - val_loss: 0.7479 - val_auc_101: 0.5181
 Epoch 567/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8097 - auc_101:
 0.5179 - val_loss: 0.8737 - val_auc_101: 0.5151
 Epoch 568/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_101:
 0.5150 - val_loss: 0.8444 - val_auc_101: 0.5117
 Epoch 569/700

267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_101:
0.5181 - val_loss: 0.7498 - val_auc_101: 0.5187
Epoch 570/700
267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_101:
0.5186 - val_loss: 0.7460 - val_auc_101: 0.5187
Epoch 571/700
267/267 [=====] - 1s 3ms/step - loss: 0.7960 - auc_101:
0.5156 - val_loss: 0.7707 - val_auc_101: 0.5088
Epoch 572/700
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_101:
0.5195 - val_loss: 0.8158 - val_auc_101: 0.5237
Epoch 573/700
267/267 [=====] - 1s 3ms/step - loss: 0.8111 - auc_101:
0.5187 - val_loss: 0.7635 - val_auc_101: 0.5216
Epoch 574/700
267/267 [=====] - 1s 3ms/step - loss: 0.8058 - auc_101:
0.5211 - val_loss: 0.8495 - val_auc_101: 0.5204
Epoch 575/700
267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_101:
0.5198 - val_loss: 0.7740 - val_auc_101: 0.5219
Epoch 576/700
267/267 [=====] - 1s 3ms/step - loss: 0.7460 - auc_101:
0.5175 - val_loss: 0.7373 - val_auc_101: 0.5220
Epoch 577/700
267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_101:
0.5162 - val_loss: 0.7856 - val_auc_101: 0.5182
Epoch 578/700
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_101:
0.5183 - val_loss: 0.7756 - val_auc_101: 0.5177
Epoch 579/700
267/267 [=====] - 1s 3ms/step - loss: 0.7729 - auc_101:
0.5202 - val_loss: 0.8645 - val_auc_101: 0.5183
Epoch 580/700
267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_101:
0.5171 - val_loss: 0.7725 - val_auc_101: 0.5064
Epoch 581/700
267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_101:
0.5175 - val_loss: 0.7385 - val_auc_101: 0.5189
Epoch 582/700
267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_101:
0.5194 - val_loss: 0.7685 - val_auc_101: 0.5196
Epoch 583/700
267/267 [=====] - 1s 3ms/step - loss: 0.7611 - auc_101:
0.5174 - val_loss: 0.7865 - val_auc_101: 0.5168
Epoch 584/700
267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_101:
0.5198 - val_loss: 0.7432 - val_auc_101: 0.5196
Epoch 585/700

267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_101:
0.5197 - val_loss: 0.7608 - val_auc_101: 0.5215
Epoch 586/700
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_101:
0.5185 - val_loss: 0.7050 - val_auc_101: 0.5193
Epoch 587/700
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_101:
0.5178 - val_loss: 0.8130 - val_auc_101: 0.5164
Epoch 588/700
267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_101:
0.5181 - val_loss: 0.7438 - val_auc_101: 0.5093
Epoch 589/700
267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_101:
0.5185 - val_loss: 0.7675 - val_auc_101: 0.5244
Epoch 590/700
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_101:
0.5180 - val_loss: 0.7470 - val_auc_101: 0.5135
Epoch 591/700
267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_101:
0.5219 - val_loss: 0.7638 - val_auc_101: 0.5206
Epoch 592/700
267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_101:
0.5176 - val_loss: 0.8210 - val_auc_101: 0.5176
Epoch 593/700
267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_101:
0.5154 - val_loss: 0.7441 - val_auc_101: 0.5243
Epoch 594/700
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_101:
0.5161 - val_loss: 0.7851 - val_auc_101: 0.5222
Epoch 595/700
267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_101:
0.5191 - val_loss: 0.7812 - val_auc_101: 0.5196
Epoch 596/700
267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_101:
0.5190 - val_loss: 0.7461 - val_auc_101: 0.5205
Epoch 597/700
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_101:
0.5180 - val_loss: 0.7374 - val_auc_101: 0.5141
Epoch 598/700
267/267 [=====] - 1s 3ms/step - loss: 0.7683 - auc_101:
0.5178 - val_loss: 0.7367 - val_auc_101: 0.5251
Epoch 599/700
267/267 [=====] - 1s 3ms/step - loss: 0.7613 - auc_101:
0.5169 - val_loss: 0.7069 - val_auc_101: 0.5252
Epoch 600/700
267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_101:
0.5191 - val_loss: 0.7506 - val_auc_101: 0.5218
Epoch 601/700

267/267 [=====] - 1s 3ms/step - loss: 0.8051 - auc_101:
 0.5212 - val_loss: 0.8161 - val_auc_101: 0.5162
 Epoch 602/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_101:
 0.5207 - val_loss: 0.7712 - val_auc_101: 0.5165
 Epoch 603/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_101:
 0.5197 - val_loss: 0.8217 - val_auc_101: 0.5135
 Epoch 604/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_101:
 0.5183 - val_loss: 0.8222 - val_auc_101: 0.5200
 Epoch 605/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8043 - auc_101:
 0.5202 - val_loss: 0.7686 - val_auc_101: 0.5161
 Epoch 606/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_101:
 0.5187 - val_loss: 0.8026 - val_auc_101: 0.5197
 Epoch 607/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_101:
 0.5177 - val_loss: 0.7446 - val_auc_101: 0.5172
 Epoch 608/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_101:
 0.5200 - val_loss: 0.7265 - val_auc_101: 0.5208
 Epoch 609/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8069 - auc_101:
 0.5155 - val_loss: 0.7794 - val_auc_101: 0.5201
 Epoch 610/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_101:
 0.5186 - val_loss: 0.7348 - val_auc_101: 0.5200
 Epoch 611/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_101:
 0.5193 - val_loss: 0.7747 - val_auc_101: 0.5174
 Epoch 612/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_101:
 0.5183 - val_loss: 0.7607 - val_auc_101: 0.5206
 Epoch 613/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_101:
 0.5212 - val_loss: 0.7854 - val_auc_101: 0.5163
 Epoch 614/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7682 - auc_101:
 0.5201 - val_loss: 0.7722 - val_auc_101: 0.5214
 Epoch 615/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_101:
 0.5199 - val_loss: 0.7465 - val_auc_101: 0.5278
 Epoch 616/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_101:
 0.5177 - val_loss: 0.7856 - val_auc_101: 0.5154
 Epoch 617/700

267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_101:
0.5164 - val_loss: 0.8005 - val_auc_101: 0.5208
Epoch 618/700
267/267 [=====] - 1s 3ms/step - loss: 0.7589 - auc_101:
0.5188 - val_loss: 0.7427 - val_auc_101: 0.5228
Epoch 619/700
267/267 [=====] - 1s 3ms/step - loss: 0.7996 - auc_101:
0.5179 - val_loss: 0.7500 - val_auc_101: 0.5135
Epoch 620/700
267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_101:
0.5168 - val_loss: 0.7892 - val_auc_101: 0.5172
Epoch 621/700
267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_101:
0.5213 - val_loss: 0.7451 - val_auc_101: 0.5144
Epoch 622/700
267/267 [=====] - 1s 3ms/step - loss: 0.8021 - auc_101:
0.5196 - val_loss: 0.8019 - val_auc_101: 0.5192
Epoch 623/700
267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_101:
0.5181 - val_loss: 0.8167 - val_auc_101: 0.5133
Epoch 624/700
267/267 [=====] - 1s 3ms/step - loss: 0.8077 - auc_101:
0.5204 - val_loss: 0.7694 - val_auc_101: 0.5188
Epoch 625/700
267/267 [=====] - 1s 3ms/step - loss: 0.7804 - auc_101:
0.5176 - val_loss: 0.7333 - val_auc_101: 0.5243
Epoch 626/700
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_101:
0.5207 - val_loss: 0.7666 - val_auc_101: 0.5238
Epoch 627/700
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_101:
0.5164 - val_loss: 0.8484 - val_auc_101: 0.5229
Epoch 628/700
267/267 [=====] - 1s 3ms/step - loss: 0.7957 - auc_101:
0.5187 - val_loss: 0.7705 - val_auc_101: 0.5159
Epoch 629/700
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_101:
0.5187 - val_loss: 0.7847 - val_auc_101: 0.5186
Epoch 630/700
267/267 [=====] - 1s 3ms/step - loss: 0.7738 - auc_101:
0.5188 - val_loss: 0.7790 - val_auc_101: 0.5177
Epoch 631/700
267/267 [=====] - 1s 3ms/step - loss: 0.7954 - auc_101:
0.5166 - val_loss: 0.7876 - val_auc_101: 0.5191
Epoch 632/700
267/267 [=====] - 1s 3ms/step - loss: 0.7682 - auc_101:
0.5200 - val_loss: 0.7216 - val_auc_101: 0.5168
Epoch 633/700

267/267 [=====] - 1s 3ms/step - loss: 0.7635 - auc_101:
0.5163 - val_loss: 0.8401 - val_auc_101: 0.5173
Epoch 634/700
267/267 [=====] - 1s 3ms/step - loss: 0.7671 - auc_101:
0.5195 - val_loss: 0.8018 - val_auc_101: 0.5208
Epoch 635/700
267/267 [=====] - 1s 3ms/step - loss: 0.7836 - auc_101:
0.5170 - val_loss: 0.9035 - val_auc_101: 0.5156
Epoch 636/700
267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_101:
0.5180 - val_loss: 0.7736 - val_auc_101: 0.5249
Epoch 637/700
267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_101:
0.5177 - val_loss: 0.7701 - val_auc_101: 0.5163
Epoch 638/700
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_101:
0.5178 - val_loss: 0.7623 - val_auc_101: 0.5217
Epoch 639/700
267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_101:
0.5165 - val_loss: 0.7546 - val_auc_101: 0.5200
Epoch 640/700
267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_101:
0.5202 - val_loss: 0.7769 - val_auc_101: 0.5217
Epoch 641/700
267/267 [=====] - 1s 3ms/step - loss: 0.7942 - auc_101:
0.5197 - val_loss: 0.7248 - val_auc_101: 0.5239
Epoch 642/700
267/267 [=====] - 1s 3ms/step - loss: 0.8121 - auc_101:
0.5191 - val_loss: 0.7616 - val_auc_101: 0.5142
Epoch 643/700
267/267 [=====] - 1s 3ms/step - loss: 0.7626 - auc_101:
0.5208 - val_loss: 0.8115 - val_auc_101: 0.5194
Epoch 644/700
267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_101:
0.5197 - val_loss: 0.8733 - val_auc_101: 0.5118
Epoch 645/700
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_101:
0.5177 - val_loss: 0.8475 - val_auc_101: 0.5143
Epoch 646/700
267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_101:
0.5194 - val_loss: 0.7391 - val_auc_101: 0.5195
Epoch 647/700
267/267 [=====] - 1s 3ms/step - loss: 0.7685 - auc_101:
0.5161 - val_loss: 0.7933 - val_auc_101: 0.5142
Epoch 648/700
267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_101:
0.5182 - val_loss: 0.7839 - val_auc_101: 0.5107
Epoch 649/700

267/267 [=====] - 1s 3ms/step - loss: 0.7680 - auc_101:
 0.5188 - val_loss: 0.8360 - val_auc_101: 0.5184
 Epoch 650/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_101:
 0.5191 - val_loss: 0.7539 - val_auc_101: 0.5226
 Epoch 651/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_101:
 0.5183 - val_loss: 0.7593 - val_auc_101: 0.5149
 Epoch 652/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7804 - auc_101:
 0.5188 - val_loss: 0.7571 - val_auc_101: 0.5152
 Epoch 653/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8082 - auc_101:
 0.5197 - val_loss: 0.7694 - val_auc_101: 0.5203
 Epoch 654/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7677 - auc_101:
 0.5180 - val_loss: 0.7943 - val_auc_101: 0.5183
 Epoch 655/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_101:
 0.5205 - val_loss: 0.8391 - val_auc_101: 0.5200
 Epoch 656/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_101:
 0.5173 - val_loss: 0.7572 - val_auc_101: 0.5154
 Epoch 657/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_101:
 0.5165 - val_loss: 0.7758 - val_auc_101: 0.5129
 Epoch 658/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_101:
 0.5184 - val_loss: 0.8086 - val_auc_101: 0.5176
 Epoch 659/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_101:
 0.5190 - val_loss: 0.8080 - val_auc_101: 0.5205
 Epoch 660/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_101:
 0.5195 - val_loss: 0.7716 - val_auc_101: 0.5295
 Epoch 661/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_101:
 0.5171 - val_loss: 0.7609 - val_auc_101: 0.5181
 Epoch 662/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7740 - auc_101:
 0.5175 - val_loss: 0.7553 - val_auc_101: 0.5179
 Epoch 663/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_101:
 0.5198 - val_loss: 0.7754 - val_auc_101: 0.5199
 Epoch 664/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7735 - auc_101:
 0.5185 - val_loss: 0.7111 - val_auc_101: 0.5237
 Epoch 665/700

267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_101:
0.5168 - val_loss: 0.8068 - val_auc_101: 0.5251
Epoch 666/700
267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_101:
0.5204 - val_loss: 0.7396 - val_auc_101: 0.5217
Epoch 667/700
267/267 [=====] - 1s 3ms/step - loss: 0.7945 - auc_101:
0.5190 - val_loss: 0.7593 - val_auc_101: 0.5214
Epoch 668/700
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_101:
0.5190 - val_loss: 0.7313 - val_auc_101: 0.5221
Epoch 669/700
267/267 [=====] - 1s 3ms/step - loss: 0.7552 - auc_101:
0.5213 - val_loss: 0.8241 - val_auc_101: 0.5182
Epoch 670/700
267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_101:
0.5187 - val_loss: 0.8304 - val_auc_101: 0.5138
Epoch 671/700
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_101:
0.5186 - val_loss: 0.9202 - val_auc_101: 0.5175
Epoch 672/700
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_101:
0.5202 - val_loss: 0.7418 - val_auc_101: 0.5211
Epoch 673/700
267/267 [=====] - 1s 3ms/step - loss: 0.7993 - auc_101:
0.5192 - val_loss: 0.8268 - val_auc_101: 0.5114
Epoch 674/700
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_101:
0.5202 - val_loss: 0.8056 - val_auc_101: 0.5160
Epoch 675/700
267/267 [=====] - 1s 3ms/step - loss: 0.7551 - auc_101:
0.5184 - val_loss: 0.7555 - val_auc_101: 0.5192
Epoch 676/700
267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_101:
0.5171 - val_loss: 0.7415 - val_auc_101: 0.5197
Epoch 677/700
267/267 [=====] - 1s 3ms/step - loss: 0.7595 - auc_101:
0.5201 - val_loss: 0.7456 - val_auc_101: 0.5169
Epoch 678/700
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_101:
0.5189 - val_loss: 0.7509 - val_auc_101: 0.5196
Epoch 679/700
267/267 [=====] - 1s 3ms/step - loss: 0.7640 - auc_101:
0.5174 - val_loss: 0.8152 - val_auc_101: 0.5203
Epoch 680/700
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_101:
0.5200 - val_loss: 0.7536 - val_auc_101: 0.5221
Epoch 681/700

267/267 [=====] - 1s 3ms/step - loss: 0.7798 - auc_101:
0.5191 - val_loss: 0.7865 - val_auc_101: 0.5212
Epoch 682/700
267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_101:
0.5181 - val_loss: 0.7442 - val_auc_101: 0.5199
Epoch 683/700
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_101:
0.5188 - val_loss: 0.7695 - val_auc_101: 0.5211
Epoch 684/700
267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_101:
0.5175 - val_loss: 0.8212 - val_auc_101: 0.5119
Epoch 685/700
267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_101:
0.5193 - val_loss: 0.8443 - val_auc_101: 0.5197
Epoch 686/700
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_101:
0.5200 - val_loss: 0.7388 - val_auc_101: 0.5222
Epoch 687/700
267/267 [=====] - 1s 3ms/step - loss: 0.7633 - auc_101:
0.5202 - val_loss: 0.7452 - val_auc_101: 0.5139
Epoch 688/700
267/267 [=====] - 1s 3ms/step - loss: 0.7773 - auc_101:
0.5182 - val_loss: 0.8216 - val_auc_101: 0.5190
Epoch 689/700
267/267 [=====] - 1s 3ms/step - loss: 0.7667 - auc_101:
0.5187 - val_loss: 0.7520 - val_auc_101: 0.5147
Epoch 690/700
267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_101:
0.5212 - val_loss: 0.7473 - val_auc_101: 0.5183
Epoch 691/700
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_101:
0.5185 - val_loss: 0.7228 - val_auc_101: 0.5231
Epoch 692/700
267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_101:
0.5185 - val_loss: 0.7862 - val_auc_101: 0.5164
Epoch 693/700
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_101:
0.5172 - val_loss: 0.7728 - val_auc_101: 0.5157
Epoch 694/700
267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_101:
0.5182 - val_loss: 0.8388 - val_auc_101: 0.5250
Epoch 695/700
267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_101:
0.5209 - val_loss: 0.8082 - val_auc_101: 0.5175
Epoch 696/700
267/267 [=====] - 1s 3ms/step - loss: 0.7798 - auc_101:
0.5182 - val_loss: 0.8833 - val_auc_101: 0.5159
Epoch 697/700

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267/267 [=====] - 1s 3ms/step - loss: 0.7677 - auc_101:
0.5175 - val_loss: 0.7583 - val_auc_101: 0.5186
Epoch 698/700
267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_101:
0.5211 - val_loss: 0.7495 - val_auc_101: 0.5217
Epoch 699/700
267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_101:
0.5186 - val_loss: 0.7118 - val_auc_101: 0.5243
Epoch 700/700
267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_101:
0.5213 - val_loss: 0.7448 - val_auc_101: 0.5220
625/625 [=====] - 0s 569us/step
[CV] ... epochs=700, learning_rate=0.001, score=0.516, total= 8.6min
[CV] epochs=700, learning_rate=0.001 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 4.1816 - auc_102:
0.5021 - val_loss: 1.5380 - val_auc_102: 0.4991
Epoch 2/700
267/267 [=====] - 1s 3ms/step - loss: 1.1648 - auc_102:
0.5024 - val_loss: 1.1218 - val_auc_102: 0.5052
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 1.0551 - auc_102:
0.5024 - val_loss: 1.0359 - val_auc_102: 0.5034
Epoch 4/700
267/267 [=====] - 1s 3ms/step - loss: 1.0186 - auc_102:
0.5026 - val_loss: 1.0593 - val_auc_102: 0.5036
Epoch 5/700
267/267 [=====] - 1s 3ms/step - loss: 1.0012 - auc_102:
0.5028 - val_loss: 0.9707 - val_auc_102: 0.5030
Epoch 6/700
267/267 [=====] - 1s 3ms/step - loss: 0.9761 - auc_102:
0.5029 - val_loss: 1.0053 - val_auc_102: 0.5060
Epoch 7/700
267/267 [=====] - 1s 3ms/step - loss: 0.9474 - auc_102:
0.5034 - val_loss: 0.9454 - val_auc_102: 0.5089
Epoch 8/700
267/267 [=====] - 1s 3ms/step - loss: 0.9351 - auc_102:
0.5024 - val_loss: 1.0823 - val_auc_102: 0.5031
Epoch 9/700
267/267 [=====] - 1s 3ms/step - loss: 0.9374 - auc_102:
0.5039 - val_loss: 0.8896 - val_auc_102: 0.5134
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 0.9228 - auc_102:
0.5058 - val_loss: 0.9588 - val_auc_102: 0.5135
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 0.8978 - auc_102:
0.5043 - val_loss: 0.9796 - val_auc_102: 0.5026
Epoch 12/700

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267/267 [=====] - 1s 3ms/step - loss: 0.8855 - auc_102:
 0.5070 - val_loss: 0.8677 - val_auc_102: 0.5090
 Epoch 13/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8885 - auc_102:
 0.5059 - val_loss: 0.8939 - val_auc_102: 0.5130
 Epoch 14/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8973 - auc_102:
 0.5074 - val_loss: 1.0665 - val_auc_102: 0.5085
 Epoch 15/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8848 - auc_102:
 0.5091 - val_loss: 0.9757 - val_auc_102: 0.5022
 Epoch 16/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8689 - auc_102:
 0.5062 - val_loss: 0.9016 - val_auc_102: 0.5071
 Epoch 17/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8692 - auc_102:
 0.5060 - val_loss: 0.9882 - val_auc_102: 0.5058
 Epoch 18/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8566 - auc_102:
 0.5086 - val_loss: 0.9031 - val_auc_102: 0.5069
 Epoch 19/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8312 - auc_102:
 0.5079 - val_loss: 0.8887 - val_auc_102: 0.5039
 Epoch 20/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8562 - auc_102:
 0.5077 - val_loss: 0.8276 - val_auc_102: 0.5073
 Epoch 21/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8497 - auc_102:
 0.5054 - val_loss: 0.8837 - val_auc_102: 0.5036
 Epoch 22/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8437 - auc_102:
 0.5077 - val_loss: 0.9573 - val_auc_102: 0.5039
 Epoch 23/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8657 - auc_102:
 0.5071 - val_loss: 0.8265 - val_auc_102: 0.5080
 Epoch 24/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8203 - auc_102:
 0.5079 - val_loss: 0.8644 - val_auc_102: 0.5018
 Epoch 25/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8312 - auc_102:
 0.5069 - val_loss: 0.9339 - val_auc_102: 0.5075
 Epoch 26/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8234 - auc_102:
 0.5086 - val_loss: 0.8891 - val_auc_102: 0.5060
 Epoch 27/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8299 - auc_102:
 0.5075 - val_loss: 0.9147 - val_auc_102: 0.5068
 Epoch 28/700

267/267 [=====] - 1s 3ms/step - loss: 0.8088 - auc_102:
0.5074 - val_loss: 0.9740 - val_auc_102: 0.5006
Epoch 29/700
267/267 [=====] - 1s 3ms/step - loss: 0.8325 - auc_102:
0.5075 - val_loss: 0.8873 - val_auc_102: 0.5035
Epoch 30/700
267/267 [=====] - 1s 3ms/step - loss: 0.8226 - auc_102:
0.5066 - val_loss: 0.7694 - val_auc_102: 0.5065
Epoch 31/700
267/267 [=====] - 1s 3ms/step - loss: 0.8042 - auc_102:
0.5078 - val_loss: 0.8953 - val_auc_102: 0.5049
Epoch 32/700
267/267 [=====] - 1s 3ms/step - loss: 0.8308 - auc_102:
0.5082 - val_loss: 0.9107 - val_auc_102: 0.5104
Epoch 33/700
267/267 [=====] - 1s 3ms/step - loss: 0.8306 - auc_102:
0.5085 - val_loss: 0.8519 - val_auc_102: 0.5078
Epoch 34/700
267/267 [=====] - 1s 3ms/step - loss: 0.8155 - auc_102:
0.5083 - val_loss: 1.0560 - val_auc_102: 0.5008
Epoch 35/700
267/267 [=====] - 1s 3ms/step - loss: 0.8213 - auc_102:
0.5089 - val_loss: 0.7604 - val_auc_102: 0.5087
Epoch 36/700
267/267 [=====] - 1s 3ms/step - loss: 0.8072 - auc_102:
0.5094 - val_loss: 0.7706 - val_auc_102: 0.5065
Epoch 37/700
267/267 [=====] - 1s 3ms/step - loss: 0.8034 - auc_102:
0.5110 - val_loss: 0.9031 - val_auc_102: 0.5049
Epoch 38/700
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_102:
0.5096 - val_loss: 0.8693 - val_auc_102: 0.5100
Epoch 39/700
267/267 [=====] - 1s 3ms/step - loss: 0.8101 - auc_102:
0.5138 - val_loss: 0.7985 - val_auc_102: 0.5124
Epoch 40/700
267/267 [=====] - 1s 3ms/step - loss: 0.8016 - auc_102:
0.5088 - val_loss: 0.7790 - val_auc_102: 0.5115
Epoch 41/700
267/267 [=====] - 1s 3ms/step - loss: 0.7980 - auc_102:
0.5107 - val_loss: 0.9170 - val_auc_102: 0.5061
Epoch 42/700
267/267 [=====] - 1s 3ms/step - loss: 0.8193 - auc_102:
0.5106 - val_loss: 0.8033 - val_auc_102: 0.5078
Epoch 43/700
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_102:
0.5086 - val_loss: 0.7668 - val_auc_102: 0.5075
Epoch 44/700

267/267 [=====] - 1s 3ms/step - loss: 0.8116 - auc_102:
0.5100 - val_loss: 0.8305 - val_auc_102: 0.5061
Epoch 45/700
267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_102:
0.5119 - val_loss: 0.7979 - val_auc_102: 0.5114
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_102:
0.5126 - val_loss: 0.7957 - val_auc_102: 0.5106
Epoch 47/700
267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_102:
0.5113 - val_loss: 0.8461 - val_auc_102: 0.5039
Epoch 48/700
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_102:
0.5120 - val_loss: 0.7538 - val_auc_102: 0.5048
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_102:
0.5095 - val_loss: 0.7790 - val_auc_102: 0.5059
Epoch 50/700
267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_102:
0.5106 - val_loss: 0.8713 - val_auc_102: 0.5073
Epoch 51/700
267/267 [=====] - 1s 3ms/step - loss: 0.8155 - auc_102:
0.5118 - val_loss: 0.8595 - val_auc_102: 0.5058
Epoch 52/700
267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_102:
0.5110 - val_loss: 0.8229 - val_auc_102: 0.5078
Epoch 53/700
267/267 [=====] - 1s 3ms/step - loss: 0.7993 - auc_102:
0.5126 - val_loss: 0.8361 - val_auc_102: 0.5105
Epoch 54/700
267/267 [=====] - 1s 3ms/step - loss: 0.8031 - auc_102:
0.5111 - val_loss: 0.7567 - val_auc_102: 0.5059
Epoch 55/700
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_102:
0.5126 - val_loss: 0.8153 - val_auc_102: 0.5062
Epoch 56/700
267/267 [=====] - 1s 3ms/step - loss: 0.8104 - auc_102:
0.5112 - val_loss: 0.8331 - val_auc_102: 0.5034
Epoch 57/700
267/267 [=====] - 1s 3ms/step - loss: 0.8151 - auc_102:
0.5136 - val_loss: 0.8113 - val_auc_102: 0.5069
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 0.8109 - auc_102:
0.5089 - val_loss: 0.8351 - val_auc_102: 0.5088
Epoch 59/700
267/267 [=====] - 1s 3ms/step - loss: 0.7948 - auc_102:
0.5141 - val_loss: 0.7938 - val_auc_102: 0.5062
Epoch 60/700

267/267 [=====] - 1s 3ms/step - loss: 0.7935 - auc_102:
0.5113 - val_loss: 0.7779 - val_auc_102: 0.5065
Epoch 61/700
267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_102:
0.5131 - val_loss: 0.9323 - val_auc_102: 0.5107
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 0.7943 - auc_102:
0.5134 - val_loss: 0.7517 - val_auc_102: 0.5109
Epoch 63/700
267/267 [=====] - 1s 3ms/step - loss: 0.8090 - auc_102:
0.5115 - val_loss: 0.8164 - val_auc_102: 0.5006
Epoch 64/700
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_102:
0.5125 - val_loss: 0.7623 - val_auc_102: 0.5110
Epoch 65/700
267/267 [=====] - 1s 3ms/step - loss: 0.7652 - auc_102:
0.5142 - val_loss: 0.8501 - val_auc_102: 0.5051
Epoch 66/700
267/267 [=====] - 1s 3ms/step - loss: 0.7987 - auc_102:
0.5127 - val_loss: 0.8190 - val_auc_102: 0.5053
Epoch 67/700
267/267 [=====] - 1s 3ms/step - loss: 0.8090 - auc_102:
0.5111 - val_loss: 0.8245 - val_auc_102: 0.5051
Epoch 68/700
267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_102:
0.5104 - val_loss: 0.7859 - val_auc_102: 0.5125
Epoch 69/700
267/267 [=====] - 1s 3ms/step - loss: 0.7906 - auc_102:
0.5128 - val_loss: 0.7336 - val_auc_102: 0.5079
Epoch 70/700
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_102:
0.5138 - val_loss: 0.7635 - val_auc_102: 0.5048
Epoch 71/700
267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_102:
0.5134 - val_loss: 0.7956 - val_auc_102: 0.5102
Epoch 72/700
267/267 [=====] - 1s 3ms/step - loss: 0.7729 - auc_102:
0.5160 - val_loss: 0.7972 - val_auc_102: 0.5103
Epoch 73/700
267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_102:
0.5123 - val_loss: 0.7469 - val_auc_102: 0.5051
Epoch 74/700
267/267 [=====] - 1s 3ms/step - loss: 0.7888 - auc_102:
0.5146 - val_loss: 0.7688 - val_auc_102: 0.5063
Epoch 75/700
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_102:
0.5143 - val_loss: 0.8633 - val_auc_102: 0.5087
Epoch 76/700

267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_102:
0.5154 - val_loss: 0.7147 - val_auc_102: 0.5145
Epoch 77/700
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_102:
0.5128 - val_loss: 0.8359 - val_auc_102: 0.5056
Epoch 78/700
267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_102:
0.5158 - val_loss: 0.9452 - val_auc_102: 0.5038
Epoch 79/700
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_102:
0.5135 - val_loss: 0.7700 - val_auc_102: 0.5053
Epoch 80/700
267/267 [=====] - 1s 3ms/step - loss: 0.8079 - auc_102:
0.5132 - val_loss: 0.7349 - val_auc_102: 0.5072
Epoch 81/700
267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_102:
0.5145 - val_loss: 0.7761 - val_auc_102: 0.5126
Epoch 82/700
267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_102:
0.5147 - val_loss: 0.7746 - val_auc_102: 0.5110
Epoch 83/700
267/267 [=====] - 1s 3ms/step - loss: 0.8239 - auc_102:
0.5122 - val_loss: 0.7492 - val_auc_102: 0.5101
Epoch 84/700
267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_102:
0.5158 - val_loss: 0.7778 - val_auc_102: 0.5068
Epoch 85/700
267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_102:
0.5125 - val_loss: 0.8220 - val_auc_102: 0.5031
Epoch 86/700
267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_102:
0.5135 - val_loss: 0.7484 - val_auc_102: 0.5115
Epoch 87/700
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_102:
0.5139 - val_loss: 0.8418 - val_auc_102: 0.5054
Epoch 88/700
267/267 [=====] - 1s 3ms/step - loss: 0.7948 - auc_102:
0.5142 - val_loss: 0.7338 - val_auc_102: 0.5094
Epoch 89/700
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_102:
0.5154 - val_loss: 0.7276 - val_auc_102: 0.5085
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_102:
0.5143 - val_loss: 0.7981 - val_auc_102: 0.5087
Epoch 91/700
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_102:
0.5147 - val_loss: 0.8002 - val_auc_102: 0.5045
Epoch 92/700

267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_102:
 0.5157 - val_loss: 0.7764 - val_auc_102: 0.5135
 Epoch 93/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_102:
 0.5146 - val_loss: 0.7435 - val_auc_102: 0.5117
 Epoch 94/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_102:
 0.5141 - val_loss: 0.8276 - val_auc_102: 0.5082
 Epoch 95/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7936 - auc_102:
 0.5145 - val_loss: 0.7471 - val_auc_102: 0.5077
 Epoch 96/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_102:
 0.5119 - val_loss: 0.7922 - val_auc_102: 0.5066
 Epoch 97/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_102:
 0.5156 - val_loss: 0.7756 - val_auc_102: 0.5067
 Epoch 98/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_102:
 0.5160 - val_loss: 0.7640 - val_auc_102: 0.5073
 Epoch 99/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8024 - auc_102:
 0.5156 - val_loss: 0.8608 - val_auc_102: 0.5084
 Epoch 100/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_102:
 0.5165 - val_loss: 0.7618 - val_auc_102: 0.5038
 Epoch 101/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_102:
 0.5145 - val_loss: 0.7865 - val_auc_102: 0.5111
 Epoch 102/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_102:
 0.5140 - val_loss: 0.7508 - val_auc_102: 0.5054
 Epoch 103/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7634 - auc_102:
 0.5160 - val_loss: 0.8399 - val_auc_102: 0.5075
 Epoch 104/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_102:
 0.5171 - val_loss: 0.9415 - val_auc_102: 0.5033
 Epoch 105/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_102:
 0.5150 - val_loss: 0.7910 - val_auc_102: 0.5048
 Epoch 106/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7977 - auc_102:
 0.5142 - val_loss: 0.7732 - val_auc_102: 0.5106
 Epoch 107/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8014 - auc_102:
 0.5127 - val_loss: 0.7849 - val_auc_102: 0.5168
 Epoch 108/700

267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_102:
 0.5153 - val_loss: 0.8122 - val_auc_102: 0.5151
 Epoch 109/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_102:
 0.5176 - val_loss: 0.7477 - val_auc_102: 0.5128
 Epoch 110/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_102:
 0.5155 - val_loss: 0.7663 - val_auc_102: 0.5125
 Epoch 111/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7977 - auc_102:
 0.5153 - val_loss: 0.8572 - val_auc_102: 0.5063
 Epoch 112/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_102:
 0.5153 - val_loss: 0.7326 - val_auc_102: 0.5147
 Epoch 113/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_102:
 0.5155 - val_loss: 0.7650 - val_auc_102: 0.5111
 Epoch 114/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7997 - auc_102:
 0.5134 - val_loss: 0.7947 - val_auc_102: 0.5038
 Epoch 115/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7738 - auc_102:
 0.5163 - val_loss: 0.7652 - val_auc_102: 0.5106
 Epoch 116/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7804 - auc_102:
 0.5157 - val_loss: 0.7448 - val_auc_102: 0.5107
 Epoch 117/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_102:
 0.5146 - val_loss: 0.9241 - val_auc_102: 0.5066
 Epoch 118/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_102:
 0.5149 - val_loss: 0.8092 - val_auc_102: 0.5099
 Epoch 119/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_102:
 0.5155 - val_loss: 0.9155 - val_auc_102: 0.5075
 Epoch 120/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_102:
 0.5151 - val_loss: 0.7839 - val_auc_102: 0.5172
 Epoch 121/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_102:
 0.5155 - val_loss: 0.8351 - val_auc_102: 0.5072
 Epoch 122/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7972 - auc_102:
 0.5158 - val_loss: 0.7773 - val_auc_102: 0.5073
 Epoch 123/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_102:
 0.5175 - val_loss: 0.8709 - val_auc_102: 0.5121
 Epoch 124/700

267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_102:
0.5133 - val_loss: 0.7424 - val_auc_102: 0.5083
Epoch 125/700
267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_102:
0.5167 - val_loss: 0.7515 - val_auc_102: 0.5132
Epoch 126/700
267/267 [=====] - 1s 3ms/step - loss: 0.7697 - auc_102:
0.5142 - val_loss: 0.7534 - val_auc_102: 0.5155
Epoch 127/700
267/267 [=====] - 1s 3ms/step - loss: 0.7994 - auc_102:
0.5155 - val_loss: 0.8164 - val_auc_102: 0.5108
Epoch 128/700
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_102:
0.5140 - val_loss: 0.7427 - val_auc_102: 0.5134
Epoch 129/700
267/267 [=====] - 1s 3ms/step - loss: 0.7877 - auc_102:
0.5140 - val_loss: 0.7968 - val_auc_102: 0.5100
Epoch 130/700
267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_102:
0.5164 - val_loss: 0.7716 - val_auc_102: 0.5116
Epoch 131/700
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_102:
0.5164 - val_loss: 0.7277 - val_auc_102: 0.5144
Epoch 132/700
267/267 [=====] - 1s 3ms/step - loss: 0.7983 - auc_102:
0.5164 - val_loss: 0.8154 - val_auc_102: 0.5078
Epoch 133/700
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_102:
0.5147 - val_loss: 0.7426 - val_auc_102: 0.5083
Epoch 134/700
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_102:
0.5181 - val_loss: 0.8300 - val_auc_102: 0.5062
Epoch 135/700
267/267 [=====] - 1s 3ms/step - loss: 0.7900 - auc_102:
0.5115 - val_loss: 0.7689 - val_auc_102: 0.5069
Epoch 136/700
267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_102:
0.5157 - val_loss: 0.7347 - val_auc_102: 0.5155
Epoch 137/700
267/267 [=====] - 1s 3ms/step - loss: 0.7658 - auc_102:
0.5161 - val_loss: 0.7852 - val_auc_102: 0.5116
Epoch 138/700
267/267 [=====] - 1s 3ms/step - loss: 0.8052 - auc_102:
0.5149 - val_loss: 0.7924 - val_auc_102: 0.5084
Epoch 139/700
267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_102:
0.5151 - val_loss: 0.7743 - val_auc_102: 0.5103
Epoch 140/700

267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_102:
0.5149 - val_loss: 0.8262 - val_auc_102: 0.5087
Epoch 141/700
267/267 [=====] - 1s 3ms/step - loss: 0.7942 - auc_102:
0.5164 - val_loss: 0.8048 - val_auc_102: 0.5103
Epoch 142/700
267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_102:
0.5163 - val_loss: 0.7435 - val_auc_102: 0.5135
Epoch 143/700
267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_102:
0.5163 - val_loss: 0.7144 - val_auc_102: 0.5180
Epoch 144/700
267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_102:
0.5163 - val_loss: 0.7535 - val_auc_102: 0.5089
Epoch 145/700
267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_102:
0.5177 - val_loss: 0.7654 - val_auc_102: 0.5121
Epoch 146/700
267/267 [=====] - 1s 3ms/step - loss: 0.7722 - auc_102:
0.5168 - val_loss: 0.8405 - val_auc_102: 0.5058
Epoch 147/700
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_102:
0.5166 - val_loss: 0.7422 - val_auc_102: 0.5100
Epoch 148/700
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_102:
0.5167 - val_loss: 0.8744 - val_auc_102: 0.5113
Epoch 149/700
267/267 [=====] - 1s 3ms/step - loss: 0.7972 - auc_102:
0.5143 - val_loss: 0.7709 - val_auc_102: 0.5107
Epoch 150/700
267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_102:
0.5160 - val_loss: 0.7853 - val_auc_102: 0.5142
Epoch 151/700
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_102:
0.5177 - val_loss: 0.8093 - val_auc_102: 0.5085
Epoch 152/700
267/267 [=====] - 1s 3ms/step - loss: 0.7920 - auc_102:
0.5173 - val_loss: 0.8134 - val_auc_102: 0.5045
Epoch 153/700
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_102:
0.5149 - val_loss: 0.7516 - val_auc_102: 0.5106
Epoch 154/700
267/267 [=====] - 1s 3ms/step - loss: 0.7669 - auc_102:
0.5150 - val_loss: 0.7731 - val_auc_102: 0.5153
Epoch 155/700
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_102:
0.5159 - val_loss: 0.8358 - val_auc_102: 0.5065
Epoch 156/700

267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_102:
0.5167 - val_loss: 0.7430 - val_auc_102: 0.5135
Epoch 157/700
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_102:
0.5175 - val_loss: 0.7643 - val_auc_102: 0.5121
Epoch 158/700
267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_102:
0.5170 - val_loss: 0.7567 - val_auc_102: 0.5086
Epoch 159/700
267/267 [=====] - 1s 3ms/step - loss: 0.7821 - auc_102:
0.5152 - val_loss: 0.8088 - val_auc_102: 0.5104
Epoch 160/700
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_102:
0.5173 - val_loss: 0.7949 - val_auc_102: 0.5141
Epoch 161/700
267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_102:
0.5166 - val_loss: 0.7226 - val_auc_102: 0.5119
Epoch 162/700
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_102:
0.5161 - val_loss: 0.7605 - val_auc_102: 0.5129
Epoch 163/700
267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_102:
0.5185 - val_loss: 0.8054 - val_auc_102: 0.5084
Epoch 164/700
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_102:
0.5154 - val_loss: 0.8050 - val_auc_102: 0.5110
Epoch 165/700
267/267 [=====] - 1s 3ms/step - loss: 0.7936 - auc_102:
0.5153 - val_loss: 0.7414 - val_auc_102: 0.5142
Epoch 166/700
267/267 [=====] - 1s 3ms/step - loss: 0.8283 - auc_102:
0.5173 - val_loss: 0.8878 - val_auc_102: 0.5090
Epoch 167/700
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_102:
0.5164 - val_loss: 0.9308 - val_auc_102: 0.5103
Epoch 168/700
267/267 [=====] - 1s 3ms/step - loss: 0.8039 - auc_102:
0.5168 - val_loss: 0.7650 - val_auc_102: 0.5083
Epoch 169/700
267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_102:
0.5161 - val_loss: 0.8090 - val_auc_102: 0.5080
Epoch 170/700
267/267 [=====] - 1s 3ms/step - loss: 0.7702 - auc_102:
0.5162 - val_loss: 0.7643 - val_auc_102: 0.5091
Epoch 171/700
267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_102:
0.5144 - val_loss: 0.7827 - val_auc_102: 0.5138
Epoch 172/700

267/267 [=====] - 1s 3ms/step - loss: 0.7877 - auc_102:
0.5120 - val_loss: 0.7815 - val_auc_102: 0.5126
Epoch 173/700
267/267 [=====] - 1s 3ms/step - loss: 0.7746 - auc_102:
0.5151 - val_loss: 0.7770 - val_auc_102: 0.5135
Epoch 174/700
267/267 [=====] - 1s 3ms/step - loss: 0.8016 - auc_102:
0.5184 - val_loss: 0.8464 - val_auc_102: 0.5079
Epoch 175/700
267/267 [=====] - 1s 3ms/step - loss: 0.8027 - auc_102:
0.5140 - val_loss: 0.8078 - val_auc_102: 0.5097
Epoch 176/700
267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_102:
0.5177 - val_loss: 0.8693 - val_auc_102: 0.5087
Epoch 177/700
267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_102:
0.5153 - val_loss: 0.8589 - val_auc_102: 0.5132
Epoch 178/700
267/267 [=====] - 1s 3ms/step - loss: 0.7973 - auc_102:
0.5191 - val_loss: 0.7597 - val_auc_102: 0.5137
Epoch 179/700
267/267 [=====] - 1s 3ms/step - loss: 0.7943 - auc_102:
0.5187 - val_loss: 0.8060 - val_auc_102: 0.5109
Epoch 180/700
267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_102:
0.5166 - val_loss: 0.7410 - val_auc_102: 0.5192
Epoch 181/700
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_102:
0.5170 - val_loss: 0.7870 - val_auc_102: 0.5096
Epoch 182/700
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_102:
0.5150 - val_loss: 0.7808 - val_auc_102: 0.5127
Epoch 183/700
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_102:
0.5172 - val_loss: 0.8820 - val_auc_102: 0.5111
Epoch 184/700
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_102:
0.5142 - val_loss: 0.7855 - val_auc_102: 0.5103
Epoch 185/700
267/267 [=====] - 1s 3ms/step - loss: 0.7611 - auc_102:
0.5157 - val_loss: 0.8053 - val_auc_102: 0.5172
Epoch 186/700
267/267 [=====] - 1s 3ms/step - loss: 0.7637 - auc_102:
0.5155 - val_loss: 0.7353 - val_auc_102: 0.5145
Epoch 187/700
267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_102:
0.5171 - val_loss: 0.7616 - val_auc_102: 0.5077
Epoch 188/700

267/267 [=====] - 1s 3ms/step - loss: 0.7959 - auc_102:
 0.5166 - val_loss: 0.9208 - val_auc_102: 0.5095
 Epoch 189/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7963 - auc_102:
 0.5178 - val_loss: 0.8084 - val_auc_102: 0.5091
 Epoch 190/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_102:
 0.5162 - val_loss: 0.7848 - val_auc_102: 0.5114
 Epoch 191/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8045 - auc_102:
 0.5172 - val_loss: 0.9611 - val_auc_102: 0.5120
 Epoch 192/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8124 - auc_102:
 0.5164 - val_loss: 0.7482 - val_auc_102: 0.5076
 Epoch 193/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_102:
 0.5163 - val_loss: 0.7377 - val_auc_102: 0.5168
 Epoch 194/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8044 - auc_102:
 0.5168 - val_loss: 0.9140 - val_auc_102: 0.5078
 Epoch 195/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_102:
 0.5178 - val_loss: 0.7592 - val_auc_102: 0.5101
 Epoch 196/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7618 - auc_102:
 0.5158 - val_loss: 0.8978 - val_auc_102: 0.5068
 Epoch 197/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7936 - auc_102:
 0.5157 - val_loss: 0.7768 - val_auc_102: 0.5063
 Epoch 198/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7653 - auc_102:
 0.5151 - val_loss: 0.7198 - val_auc_102: 0.5122
 Epoch 199/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_102:
 0.5135 - val_loss: 0.8225 - val_auc_102: 0.5091
 Epoch 200/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7943 - auc_102:
 0.5174 - val_loss: 0.8833 - val_auc_102: 0.5131
 Epoch 201/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_102:
 0.5174 - val_loss: 0.7737 - val_auc_102: 0.5061
 Epoch 202/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8240 - auc_102:
 0.5132 - val_loss: 0.7886 - val_auc_102: 0.5102
 Epoch 203/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_102:
 0.5171 - val_loss: 0.8165 - val_auc_102: 0.5075
 Epoch 204/700

267/267 [=====] - 1s 3ms/step - loss: 0.7690 - auc_102:
 0.5189 - val_loss: 0.7446 - val_auc_102: 0.5107
 Epoch 205/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7649 - auc_102:
 0.5144 - val_loss: 0.7453 - val_auc_102: 0.5144
 Epoch 206/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7684 - auc_102:
 0.5167 - val_loss: 0.8205 - val_auc_102: 0.5134
 Epoch 207/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7679 - auc_102:
 0.5169 - val_loss: 0.7586 - val_auc_102: 0.5097
 Epoch 208/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8201 - auc_102:
 0.5186 - val_loss: 0.7763 - val_auc_102: 0.5133
 Epoch 209/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_102:
 0.5159 - val_loss: 0.7702 - val_auc_102: 0.5081
 Epoch 210/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7923 - auc_102:
 0.5175 - val_loss: 0.7624 - val_auc_102: 0.5151
 Epoch 211/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8032 - auc_102:
 0.5180 - val_loss: 0.7437 - val_auc_102: 0.5152
 Epoch 212/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_102:
 0.5173 - val_loss: 0.7463 - val_auc_102: 0.5124
 Epoch 213/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_102:
 0.5173 - val_loss: 0.7731 - val_auc_102: 0.5162
 Epoch 214/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8022 - auc_102:
 0.5163 - val_loss: 0.7702 - val_auc_102: 0.5078
 Epoch 215/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7731 - auc_102:
 0.5167 - val_loss: 0.7948 - val_auc_102: 0.5191
 Epoch 216/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8021 - auc_102:
 0.5175 - val_loss: 1.0553 - val_auc_102: 0.5072
 Epoch 217/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_102:
 0.5191 - val_loss: 0.8242 - val_auc_102: 0.5133
 Epoch 218/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8075 - auc_102:
 0.5157 - val_loss: 0.8014 - val_auc_102: 0.5097
 Epoch 219/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_102:
 0.5155 - val_loss: 0.7989 - val_auc_102: 0.5141
 Epoch 220/700

267/267 [=====] - 1s 3ms/step - loss: 0.7607 - auc_102:
0.5162 - val_loss: 0.7398 - val_auc_102: 0.5117
Epoch 221/700
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_102:
0.5172 - val_loss: 0.7335 - val_auc_102: 0.5042
Epoch 222/700
267/267 [=====] - 1s 3ms/step - loss: 0.7945 - auc_102:
0.5161 - val_loss: 0.7676 - val_auc_102: 0.5107
Epoch 223/700
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_102:
0.5174 - val_loss: 0.7593 - val_auc_102: 0.5145
Epoch 224/700
267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_102:
0.5170 - val_loss: 0.8264 - val_auc_102: 0.5096
Epoch 225/700
267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_102:
0.5158 - val_loss: 1.0359 - val_auc_102: 0.5079
Epoch 226/700
267/267 [=====] - 1s 3ms/step - loss: 0.7968 - auc_102:
0.5196 - val_loss: 0.7697 - val_auc_102: 0.5098
Epoch 227/700
267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_102:
0.5195 - val_loss: 0.7681 - val_auc_102: 0.5186
Epoch 228/700
267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_102:
0.5185 - val_loss: 0.7847 - val_auc_102: 0.5126
Epoch 229/700
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_102:
0.5154 - val_loss: 0.7469 - val_auc_102: 0.5157
Epoch 230/700
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_102:
0.5147 - val_loss: 0.8896 - val_auc_102: 0.5108
Epoch 231/700
267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_102:
0.5164 - val_loss: 0.7503 - val_auc_102: 0.5096
Epoch 232/700
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_102:
0.5163 - val_loss: 0.7434 - val_auc_102: 0.5152
Epoch 233/700
267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_102:
0.5169 - val_loss: 0.8369 - val_auc_102: 0.5112
Epoch 234/700
267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_102:
0.5203 - val_loss: 0.8013 - val_auc_102: 0.5139
Epoch 235/700
267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_102:
0.5171 - val_loss: 0.8654 - val_auc_102: 0.5062
Epoch 236/700

267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_102:
 0.5157 - val_loss: 0.7383 - val_auc_102: 0.5122
 Epoch 237/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_102:
 0.5153 - val_loss: 0.7534 - val_auc_102: 0.5065
 Epoch 238/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7669 - auc_102:
 0.5164 - val_loss: 0.7498 - val_auc_102: 0.5053
 Epoch 239/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_102:
 0.5178 - val_loss: 0.7727 - val_auc_102: 0.5130
 Epoch 240/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_102:
 0.5194 - val_loss: 0.7908 - val_auc_102: 0.5140
 Epoch 241/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_102:
 0.5176 - val_loss: 0.7441 - val_auc_102: 0.5082
 Epoch 242/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8154 - auc_102:
 0.5193 - val_loss: 0.7401 - val_auc_102: 0.5160
 Epoch 243/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_102:
 0.5162 - val_loss: 0.7496 - val_auc_102: 0.5142
 Epoch 244/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_102:
 0.5172 - val_loss: 0.7433 - val_auc_102: 0.5177
 Epoch 245/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_102:
 0.5164 - val_loss: 0.7259 - val_auc_102: 0.5172
 Epoch 246/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7935 - auc_102:
 0.5194 - val_loss: 0.9266 - val_auc_102: 0.5097
 Epoch 247/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_102:
 0.5191 - val_loss: 0.7866 - val_auc_102: 0.5106
 Epoch 248/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_102:
 0.5153 - val_loss: 0.7536 - val_auc_102: 0.5097
 Epoch 249/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_102:
 0.5191 - val_loss: 0.8027 - val_auc_102: 0.5093
 Epoch 250/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_102:
 0.5174 - val_loss: 0.9616 - val_auc_102: 0.5054
 Epoch 251/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7713 - auc_102:
 0.5154 - val_loss: 0.7389 - val_auc_102: 0.5092
 Epoch 252/700

267/267 [=====] - 1s 3ms/step - loss: 0.7999 - auc_102:
 0.5177 - val_loss: 0.7778 - val_auc_102: 0.5114
 Epoch 253/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_102:
 0.5172 - val_loss: 0.7694 - val_auc_102: 0.5124
 Epoch 254/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7679 - auc_102:
 0.5183 - val_loss: 0.7964 - val_auc_102: 0.5083
 Epoch 255/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_102:
 0.5159 - val_loss: 0.7384 - val_auc_102: 0.5144
 Epoch 256/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8100 - auc_102:
 0.5191 - val_loss: 0.7947 - val_auc_102: 0.5111
 Epoch 257/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8104 - auc_102:
 0.5158 - val_loss: 0.8199 - val_auc_102: 0.5121
 Epoch 258/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_102:
 0.5153 - val_loss: 0.7555 - val_auc_102: 0.5131
 Epoch 259/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7645 - auc_102:
 0.5178 - val_loss: 0.7094 - val_auc_102: 0.5156
 Epoch 260/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_102:
 0.5191 - val_loss: 0.7252 - val_auc_102: 0.5109
 Epoch 261/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7544 - auc_102:
 0.5177 - val_loss: 0.7591 - val_auc_102: 0.5165
 Epoch 262/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_102:
 0.5196 - val_loss: 0.7677 - val_auc_102: 0.5127
 Epoch 263/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_102:
 0.5178 - val_loss: 0.7665 - val_auc_102: 0.5106
 Epoch 264/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8027 - auc_102:
 0.5161 - val_loss: 0.7803 - val_auc_102: 0.5103
 Epoch 265/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7584 - auc_102:
 0.5153 - val_loss: 0.7977 - val_auc_102: 0.5084
 Epoch 266/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_102:
 0.5179 - val_loss: 0.8496 - val_auc_102: 0.5143
 Epoch 267/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_102:
 0.5187 - val_loss: 0.8093 - val_auc_102: 0.5099
 Epoch 268/700

267/267 [=====] - 1s 3ms/step - loss: 0.7679 - auc_102:
 0.5182 - val_loss: 0.7250 - val_auc_102: 0.5147
 Epoch 269/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_102:
 0.5182 - val_loss: 0.8738 - val_auc_102: 0.5142
 Epoch 270/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_102:
 0.5166 - val_loss: 0.7449 - val_auc_102: 0.5167
 Epoch 271/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7677 - auc_102:
 0.5189 - val_loss: 0.7333 - val_auc_102: 0.5176
 Epoch 272/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_102:
 0.5168 - val_loss: 0.7966 - val_auc_102: 0.5136
 Epoch 273/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7937 - auc_102:
 0.5182 - val_loss: 0.7760 - val_auc_102: 0.5090
 Epoch 274/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_102:
 0.5170 - val_loss: 0.8095 - val_auc_102: 0.5144
 Epoch 275/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7714 - auc_102:
 0.5182 - val_loss: 0.7858 - val_auc_102: 0.5062
 Epoch 276/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7741 - auc_102:
 0.5147 - val_loss: 0.7794 - val_auc_102: 0.5107
 Epoch 277/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7714 - auc_102:
 0.5162 - val_loss: 0.7407 - val_auc_102: 0.5144
 Epoch 278/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_102:
 0.5154 - val_loss: 0.8285 - val_auc_102: 0.5112
 Epoch 279/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_102:
 0.5199 - val_loss: 0.7676 - val_auc_102: 0.5047
 Epoch 280/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7613 - auc_102:
 0.5198 - val_loss: 0.7768 - val_auc_102: 0.5104
 Epoch 281/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_102:
 0.5203 - val_loss: 0.7445 - val_auc_102: 0.5151
 Epoch 282/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_102:
 0.5183 - val_loss: 0.8019 - val_auc_102: 0.5082
 Epoch 283/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_102:
 0.5185 - val_loss: 0.7496 - val_auc_102: 0.5158
 Epoch 284/700

267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_102:
0.5166 - val_loss: 0.8092 - val_auc_102: 0.5131
Epoch 285/700
267/267 [=====] - 1s 3ms/step - loss: 0.7561 - auc_102:
0.5185 - val_loss: 0.7501 - val_auc_102: 0.5119
Epoch 286/700
267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_102:
0.5191 - val_loss: 0.7328 - val_auc_102: 0.5134
Epoch 287/700
267/267 [=====] - 1s 3ms/step - loss: 0.7915 - auc_102:
0.5180 - val_loss: 0.7497 - val_auc_102: 0.5163
Epoch 288/700
267/267 [=====] - 1s 3ms/step - loss: 0.7981 - auc_102:
0.5188 - val_loss: 0.9094 - val_auc_102: 0.5091
Epoch 289/700
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_102:
0.5206 - val_loss: 0.8228 - val_auc_102: 0.5096
Epoch 290/700
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_102:
0.5185 - val_loss: 0.7098 - val_auc_102: 0.5080
Epoch 291/700
267/267 [=====] - 1s 3ms/step - loss: 0.8061 - auc_102:
0.5166 - val_loss: 0.7736 - val_auc_102: 0.5129
Epoch 292/700
267/267 [=====] - 1s 3ms/step - loss: 0.7943 - auc_102:
0.5189 - val_loss: 0.7487 - val_auc_102: 0.5090
Epoch 293/700
267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_102:
0.5156 - val_loss: 0.9387 - val_auc_102: 0.5101
Epoch 294/700
267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_102:
0.5179 - val_loss: 0.7915 - val_auc_102: 0.5116
Epoch 295/700
267/267 [=====] - 1s 3ms/step - loss: 0.8062 - auc_102:
0.5171 - val_loss: 0.7813 - val_auc_102: 0.5077
Epoch 296/700
267/267 [=====] - 1s 3ms/step - loss: 0.7839 - auc_102:
0.5186 - val_loss: 0.7566 - val_auc_102: 0.5120
Epoch 297/700
267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_102:
0.5183 - val_loss: 0.8638 - val_auc_102: 0.5137
Epoch 298/700
267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_102:
0.5151 - val_loss: 0.7865 - val_auc_102: 0.5146
Epoch 299/700
267/267 [=====] - 1s 3ms/step - loss: 0.7926 - auc_102:
0.5170 - val_loss: 0.8367 - val_auc_102: 0.5183
Epoch 300/700

267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_102:
0.5163 - val_loss: 0.7844 - val_auc_102: 0.5213
Epoch 301/700
267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_102:
0.5171 - val_loss: 0.8076 - val_auc_102: 0.5104
Epoch 302/700
267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_102:
0.5172 - val_loss: 0.8378 - val_auc_102: 0.5100
Epoch 303/700
267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_102:
0.5158 - val_loss: 0.7827 - val_auc_102: 0.5133
Epoch 304/700
267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_102:
0.5163 - val_loss: 0.7944 - val_auc_102: 0.5101
Epoch 305/700
267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_102:
0.5176 - val_loss: 0.7863 - val_auc_102: 0.5139
Epoch 306/700
267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_102:
0.5166 - val_loss: 0.7711 - val_auc_102: 0.5151
Epoch 307/700
267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_102:
0.5170 - val_loss: 0.9210 - val_auc_102: 0.5085
Epoch 308/700
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_102:
0.5156 - val_loss: 0.7584 - val_auc_102: 0.5094
Epoch 309/700
267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_102:
0.5179 - val_loss: 0.7759 - val_auc_102: 0.5084
Epoch 310/700
267/267 [=====] - 1s 3ms/step - loss: 0.7831 - auc_102:
0.5185 - val_loss: 0.7943 - val_auc_102: 0.5065
Epoch 311/700
267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_102:
0.5187 - val_loss: 0.7560 - val_auc_102: 0.5179
Epoch 312/700
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_102:
0.5187 - val_loss: 0.8725 - val_auc_102: 0.5169
Epoch 313/700
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_102:
0.5188 - val_loss: 0.8548 - val_auc_102: 0.5158
Epoch 314/700
267/267 [=====] - 1s 3ms/step - loss: 0.7644 - auc_102:
0.5189 - val_loss: 0.7414 - val_auc_102: 0.5155
Epoch 315/700
267/267 [=====] - 1s 3ms/step - loss: 0.7702 - auc_102:
0.5165 - val_loss: 0.7498 - val_auc_102: 0.5146
Epoch 316/700

267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_102:
0.5175 - val_loss: 0.8883 - val_auc_102: 0.5087
Epoch 317/700
267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_102:
0.5186 - val_loss: 0.9008 - val_auc_102: 0.5136
Epoch 318/700
267/267 [=====] - 1s 3ms/step - loss: 0.7711 - auc_102:
0.5206 - val_loss: 0.7705 - val_auc_102: 0.5151
Epoch 319/700
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_102:
0.5152 - val_loss: 0.7394 - val_auc_102: 0.5120
Epoch 320/700
267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_102:
0.5165 - val_loss: 0.8521 - val_auc_102: 0.5146
Epoch 321/700
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_102:
0.5179 - val_loss: 0.7443 - val_auc_102: 0.5081
Epoch 322/700
267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_102:
0.5167 - val_loss: 0.7904 - val_auc_102: 0.5183
Epoch 323/700
267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_102:
0.5202 - val_loss: 0.7713 - val_auc_102: 0.5134
Epoch 324/700
267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_102:
0.5179 - val_loss: 0.8382 - val_auc_102: 0.5122
Epoch 325/700
267/267 [=====] - 1s 3ms/step - loss: 0.7937 - auc_102:
0.5122 - val_loss: 0.7871 - val_auc_102: 0.5209
Epoch 326/700
267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_102:
0.5196 - val_loss: 0.7602 - val_auc_102: 0.5110
Epoch 327/700
267/267 [=====] - 1s 3ms/step - loss: 0.7782 - auc_102:
0.5183 - val_loss: 0.7155 - val_auc_102: 0.5120
Epoch 328/700
267/267 [=====] - 1s 3ms/step - loss: 0.7700 - auc_102:
0.5188 - val_loss: 0.7947 - val_auc_102: 0.5162
Epoch 329/700
267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_102:
0.5164 - val_loss: 0.7209 - val_auc_102: 0.5158
Epoch 330/700
267/267 [=====] - 1s 3ms/step - loss: 0.7871 - auc_102:
0.5174 - val_loss: 0.7285 - val_auc_102: 0.5157
Epoch 331/700
267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_102:
0.5181 - val_loss: 0.7924 - val_auc_102: 0.5153
Epoch 332/700

267/267 [=====] - 1s 3ms/step - loss: 0.7694 - auc_102:
 0.5180 - val_loss: 0.7864 - val_auc_102: 0.5064
 Epoch 333/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_102:
 0.5188 - val_loss: 0.8166 - val_auc_102: 0.5118
 Epoch 334/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7942 - auc_102:
 0.5169 - val_loss: 0.8334 - val_auc_102: 0.5126
 Epoch 335/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_102:
 0.5189 - val_loss: 0.8595 - val_auc_102: 0.5087
 Epoch 336/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_102:
 0.5163 - val_loss: 0.7431 - val_auc_102: 0.5098
 Epoch 337/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_102:
 0.5191 - val_loss: 0.7739 - val_auc_102: 0.5108
 Epoch 338/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_102:
 0.5190 - val_loss: 0.7620 - val_auc_102: 0.5140
 Epoch 339/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7978 - auc_102:
 0.5190 - val_loss: 0.7697 - val_auc_102: 0.5091
 Epoch 340/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_102:
 0.5198 - val_loss: 0.7607 - val_auc_102: 0.5115
 Epoch 341/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7631 - auc_102:
 0.5201 - val_loss: 0.7576 - val_auc_102: 0.5087
 Epoch 342/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_102:
 0.5187 - val_loss: 0.7890 - val_auc_102: 0.5106
 Epoch 343/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_102:
 0.5181 - val_loss: 0.7844 - val_auc_102: 0.5156
 Epoch 344/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_102:
 0.5195 - val_loss: 0.7931 - val_auc_102: 0.5147
 Epoch 345/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7929 - auc_102:
 0.5164 - val_loss: 0.8001 - val_auc_102: 0.5069
 Epoch 346/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7695 - auc_102:
 0.5200 - val_loss: 0.7260 - val_auc_102: 0.5120
 Epoch 347/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_102:
 0.5176 - val_loss: 0.7900 - val_auc_102: 0.5205
 Epoch 348/700

267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_102:
0.5197 - val_loss: 0.7391 - val_auc_102: 0.5140
Epoch 349/700
267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_102:
0.5175 - val_loss: 0.7510 - val_auc_102: 0.5148
Epoch 350/700
267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_102:
0.5175 - val_loss: 0.7832 - val_auc_102: 0.5128
Epoch 351/700
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_102:
0.5195 - val_loss: 0.7533 - val_auc_102: 0.5127
Epoch 352/700
267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_102:
0.5164 - val_loss: 0.8223 - val_auc_102: 0.5121
Epoch 353/700
267/267 [=====] - 1s 3ms/step - loss: 0.7639 - auc_102:
0.5179 - val_loss: 0.7731 - val_auc_102: 0.5103
Epoch 354/700
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_102:
0.5199 - val_loss: 0.7221 - val_auc_102: 0.5157
Epoch 355/700
267/267 [=====] - 1s 3ms/step - loss: 0.7648 - auc_102:
0.5224 - val_loss: 0.7633 - val_auc_102: 0.5204
Epoch 356/700
267/267 [=====] - 1s 3ms/step - loss: 0.7929 - auc_102:
0.5174 - val_loss: 0.8949 - val_auc_102: 0.5103
Epoch 357/700
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_102:
0.5204 - val_loss: 0.7984 - val_auc_102: 0.5069
Epoch 358/700
267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_102:
0.5165 - val_loss: 0.7569 - val_auc_102: 0.5152
Epoch 359/700
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_102:
0.5183 - val_loss: 0.7565 - val_auc_102: 0.5178
Epoch 360/700
267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_102:
0.5177 - val_loss: 0.7623 - val_auc_102: 0.5192
Epoch 361/700
267/267 [=====] - 1s 3ms/step - loss: 0.7576 - auc_102:
0.5211 - val_loss: 0.7455 - val_auc_102: 0.5170
Epoch 362/700
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_102:
0.5201 - val_loss: 0.7810 - val_auc_102: 0.5103
Epoch 363/700
267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_102:
0.5190 - val_loss: 0.7979 - val_auc_102: 0.5136
Epoch 364/700

267/267 [=====] - 1s 3ms/step - loss: 0.7828 - auc_102:
 0.5157 - val_loss: 0.7648 - val_auc_102: 0.5112
 Epoch 365/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_102:
 0.5193 - val_loss: 0.7377 - val_auc_102: 0.5212
 Epoch 366/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_102:
 0.5159 - val_loss: 0.7911 - val_auc_102: 0.5135
 Epoch 367/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_102:
 0.5190 - val_loss: 0.7666 - val_auc_102: 0.5126
 Epoch 368/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_102:
 0.5173 - val_loss: 0.7972 - val_auc_102: 0.5140
 Epoch 369/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_102:
 0.5218 - val_loss: 0.9049 - val_auc_102: 0.5042
 Epoch 370/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_102:
 0.5192 - val_loss: 0.7134 - val_auc_102: 0.5202
 Epoch 371/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7757 - auc_102:
 0.5199 - val_loss: 0.7996 - val_auc_102: 0.5158
 Epoch 372/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7925 - auc_102:
 0.5169 - val_loss: 0.7614 - val_auc_102: 0.5105
 Epoch 373/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7680 - auc_102:
 0.5197 - val_loss: 0.9001 - val_auc_102: 0.5129
 Epoch 374/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7741 - auc_102:
 0.5193 - val_loss: 1.1438 - val_auc_102: 0.5099
 Epoch 375/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7821 - auc_102:
 0.5206 - val_loss: 0.8119 - val_auc_102: 0.5151
 Epoch 376/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_102:
 0.5200 - val_loss: 0.7646 - val_auc_102: 0.5111
 Epoch 377/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_102:
 0.5188 - val_loss: 0.7385 - val_auc_102: 0.5122
 Epoch 378/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_102:
 0.5184 - val_loss: 0.7457 - val_auc_102: 0.5201
 Epoch 379/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7675 - auc_102:
 0.5190 - val_loss: 0.7691 - val_auc_102: 0.5122
 Epoch 380/700

267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_102:
 0.5203 - val_loss: 0.8073 - val_auc_102: 0.5090
 Epoch 381/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_102:
 0.5171 - val_loss: 0.7775 - val_auc_102: 0.5112
 Epoch 382/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7710 - auc_102:
 0.5160 - val_loss: 0.7433 - val_auc_102: 0.5092
 Epoch 383/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_102:
 0.5197 - val_loss: 0.7479 - val_auc_102: 0.5088
 Epoch 384/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8022 - auc_102:
 0.5186 - val_loss: 0.7492 - val_auc_102: 0.5181
 Epoch 385/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7611 - auc_102:
 0.5203 - val_loss: 0.7985 - val_auc_102: 0.5128
 Epoch 386/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8035 - auc_102:
 0.5188 - val_loss: 0.7660 - val_auc_102: 0.5122
 Epoch 387/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7888 - auc_102:
 0.5177 - val_loss: 0.7728 - val_auc_102: 0.5165
 Epoch 388/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_102:
 0.5185 - val_loss: 0.7733 - val_auc_102: 0.5126
 Epoch 389/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_102:
 0.5181 - val_loss: 0.8031 - val_auc_102: 0.5177
 Epoch 390/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_102:
 0.5170 - val_loss: 0.7532 - val_auc_102: 0.5131
 Epoch 391/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_102:
 0.5194 - val_loss: 0.9154 - val_auc_102: 0.5074
 Epoch 392/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8126 - auc_102:
 0.5182 - val_loss: 0.7333 - val_auc_102: 0.5200
 Epoch 393/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_102:
 0.5186 - val_loss: 0.7411 - val_auc_102: 0.5168
 Epoch 394/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_102:
 0.5189 - val_loss: 0.7261 - val_auc_102: 0.5155
 Epoch 395/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_102:
 0.5142 - val_loss: 0.7408 - val_auc_102: 0.5137
 Epoch 396/700

267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_102:
0.5177 - val_loss: 0.8040 - val_auc_102: 0.5084
Epoch 397/700
267/267 [=====] - 1s 3ms/step - loss: 0.7831 - auc_102:
0.5172 - val_loss: 0.8392 - val_auc_102: 0.5157
Epoch 398/700
267/267 [=====] - 1s 3ms/step - loss: 0.7997 - auc_102:
0.5199 - val_loss: 0.7321 - val_auc_102: 0.5110
Epoch 399/700
267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_102:
0.5190 - val_loss: 0.8741 - val_auc_102: 0.5070
Epoch 400/700
267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_102:
0.5196 - val_loss: 0.7859 - val_auc_102: 0.5108
Epoch 401/700
267/267 [=====] - 1s 3ms/step - loss: 0.7741 - auc_102:
0.5204 - val_loss: 0.9468 - val_auc_102: 0.5165
Epoch 402/700
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_102:
0.5179 - val_loss: 0.7865 - val_auc_102: 0.5084
Epoch 403/700
267/267 [=====] - 1s 3ms/step - loss: 0.7639 - auc_102:
0.5199 - val_loss: 0.7792 - val_auc_102: 0.5126
Epoch 404/700
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_102:
0.5176 - val_loss: 0.7881 - val_auc_102: 0.5161
Epoch 405/700
267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_102:
0.5177 - val_loss: 0.8675 - val_auc_102: 0.5083
Epoch 406/700
267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_102:
0.5175 - val_loss: 0.7284 - val_auc_102: 0.5162
Epoch 407/700
267/267 [=====] - 1s 3ms/step - loss: 0.7665 - auc_102:
0.5190 - val_loss: 0.7932 - val_auc_102: 0.5149
Epoch 408/700
267/267 [=====] - 1s 3ms/step - loss: 0.7997 - auc_102:
0.5158 - val_loss: 0.7443 - val_auc_102: 0.5185
Epoch 409/700
267/267 [=====] - 1s 3ms/step - loss: 0.7698 - auc_102:
0.5193 - val_loss: 0.7387 - val_auc_102: 0.5115
Epoch 410/700
267/267 [=====] - 1s 3ms/step - loss: 0.7671 - auc_102:
0.5183 - val_loss: 1.0100 - val_auc_102: 0.5088
Epoch 411/700
267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_102:
0.5184 - val_loss: 0.7587 - val_auc_102: 0.5128
Epoch 412/700

267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_102:
 0.5173 - val_loss: 0.8200 - val_auc_102: 0.5133
 Epoch 413/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_102:
 0.5198 - val_loss: 0.8701 - val_auc_102: 0.5099
 Epoch 414/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_102:
 0.5192 - val_loss: 0.7649 - val_auc_102: 0.5119
 Epoch 415/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8024 - auc_102:
 0.5163 - val_loss: 0.8558 - val_auc_102: 0.5146
 Epoch 416/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_102:
 0.5187 - val_loss: 0.7887 - val_auc_102: 0.5159
 Epoch 417/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_102:
 0.5194 - val_loss: 0.8041 - val_auc_102: 0.5136
 Epoch 418/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_102:
 0.5190 - val_loss: 0.7393 - val_auc_102: 0.5137
 Epoch 419/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_102:
 0.5177 - val_loss: 0.9067 - val_auc_102: 0.5137
 Epoch 420/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_102:
 0.5188 - val_loss: 0.7457 - val_auc_102: 0.5115
 Epoch 421/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_102:
 0.5203 - val_loss: 0.7672 - val_auc_102: 0.5114
 Epoch 422/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7694 - auc_102:
 0.5199 - val_loss: 0.7616 - val_auc_102: 0.5199
 Epoch 423/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7964 - auc_102:
 0.5182 - val_loss: 0.7263 - val_auc_102: 0.5221
 Epoch 424/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_102:
 0.5193 - val_loss: 0.7368 - val_auc_102: 0.5118
 Epoch 425/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7714 - auc_102:
 0.5206 - val_loss: 0.7611 - val_auc_102: 0.5155
 Epoch 426/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_102:
 0.5197 - val_loss: 1.0022 - val_auc_102: 0.5137
 Epoch 427/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_102:
 0.5176 - val_loss: 0.7428 - val_auc_102: 0.5162
 Epoch 428/700

267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_102:
0.5178 - val_loss: 0.8279 - val_auc_102: 0.5109
Epoch 429/700
267/267 [=====] - 1s 3ms/step - loss: 0.8032 - auc_102:
0.5206 - val_loss: 0.7433 - val_auc_102: 0.5133
Epoch 430/700
267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_102:
0.5182 - val_loss: 0.7838 - val_auc_102: 0.5090
Epoch 431/700
267/267 [=====] - 1s 3ms/step - loss: 0.7659 - auc_102:
0.5198 - val_loss: 0.8026 - val_auc_102: 0.5183
Epoch 432/700
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_102:
0.5194 - val_loss: 0.8730 - val_auc_102: 0.5185
Epoch 433/700
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_102:
0.5201 - val_loss: 0.9245 - val_auc_102: 0.5083
Epoch 434/700
267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_102:
0.5194 - val_loss: 0.8337 - val_auc_102: 0.5145
Epoch 435/700
267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_102:
0.5182 - val_loss: 0.7701 - val_auc_102: 0.5122
Epoch 436/700
267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_102:
0.5186 - val_loss: 0.7446 - val_auc_102: 0.5126
Epoch 437/700
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_102:
0.5202 - val_loss: 0.7570 - val_auc_102: 0.5169
Epoch 438/700
267/267 [=====] - 1s 3ms/step - loss: 0.7571 - auc_102:
0.5180 - val_loss: 0.7782 - val_auc_102: 0.5066
Epoch 439/700
267/267 [=====] - 1s 3ms/step - loss: 0.7653 - auc_102:
0.5193 - val_loss: 0.8195 - val_auc_102: 0.5126
Epoch 440/700
267/267 [=====] - 1s 3ms/step - loss: 0.8177 - auc_102:
0.5189 - val_loss: 0.8156 - val_auc_102: 0.5136
Epoch 441/700
267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_102:
0.5187 - val_loss: 0.8034 - val_auc_102: 0.5119
Epoch 442/700
267/267 [=====] - 1s 3ms/step - loss: 0.7993 - auc_102:
0.5191 - val_loss: 0.7756 - val_auc_102: 0.5090
Epoch 443/700
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_102:
0.5177 - val_loss: 0.8049 - val_auc_102: 0.5103
Epoch 444/700

267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_102:
 0.5190 - val_loss: 0.7495 - val_auc_102: 0.5116
 Epoch 445/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7670 - auc_102:
 0.5181 - val_loss: 0.7283 - val_auc_102: 0.5174
 Epoch 446/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7653 - auc_102:
 0.5205 - val_loss: 0.8788 - val_auc_102: 0.5041
 Epoch 447/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_102:
 0.5194 - val_loss: 0.7654 - val_auc_102: 0.5162
 Epoch 448/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7592 - auc_102:
 0.5201 - val_loss: 0.7874 - val_auc_102: 0.5134
 Epoch 449/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_102:
 0.5204 - val_loss: 0.7562 - val_auc_102: 0.5147
 Epoch 450/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_102:
 0.5184 - val_loss: 0.7503 - val_auc_102: 0.5173
 Epoch 451/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_102:
 0.5174 - val_loss: 0.8155 - val_auc_102: 0.5087
 Epoch 452/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7932 - auc_102:
 0.5162 - val_loss: 0.7532 - val_auc_102: 0.5149
 Epoch 453/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7680 - auc_102:
 0.5211 - val_loss: 0.7431 - val_auc_102: 0.5069
 Epoch 454/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7628 - auc_102:
 0.5186 - val_loss: 0.7601 - val_auc_102: 0.5173
 Epoch 455/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8187 - auc_102:
 0.5204 - val_loss: 1.0485 - val_auc_102: 0.5109
 Epoch 456/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7659 - auc_102:
 0.5209 - val_loss: 0.7161 - val_auc_102: 0.5160
 Epoch 457/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_102:
 0.5191 - val_loss: 0.8419 - val_auc_102: 0.5168
 Epoch 458/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_102:
 0.5192 - val_loss: 0.7963 - val_auc_102: 0.5103
 Epoch 459/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_102:
 0.5197 - val_loss: 0.7281 - val_auc_102: 0.5159
 Epoch 460/700

267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_102:
0.5180 - val_loss: 0.7531 - val_auc_102: 0.5191
Epoch 461/700
267/267 [=====] - 1s 3ms/step - loss: 0.8054 - auc_102:
0.5179 - val_loss: 0.7264 - val_auc_102: 0.5112
Epoch 462/700
267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_102:
0.5191 - val_loss: 0.7583 - val_auc_102: 0.5142
Epoch 463/700
267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_102:
0.5178 - val_loss: 0.7315 - val_auc_102: 0.5108
Epoch 464/700
267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_102:
0.5190 - val_loss: 0.8435 - val_auc_102: 0.5144
Epoch 465/700
267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_102:
0.5206 - val_loss: 0.7916 - val_auc_102: 0.5188
Epoch 466/700
267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_102:
0.5193 - val_loss: 0.7463 - val_auc_102: 0.5144
Epoch 467/700
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_102:
0.5204 - val_loss: 0.7336 - val_auc_102: 0.5075
Epoch 468/700
267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_102:
0.5181 - val_loss: 0.8171 - val_auc_102: 0.5100
Epoch 469/700
267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_102:
0.5189 - val_loss: 0.7488 - val_auc_102: 0.5145
Epoch 470/700
267/267 [=====] - 1s 3ms/step - loss: 0.7683 - auc_102:
0.5204 - val_loss: 0.8095 - val_auc_102: 0.5183
Epoch 471/700
267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_102:
0.5193 - val_loss: 0.7356 - val_auc_102: 0.5196
Epoch 472/700
267/267 [=====] - 1s 3ms/step - loss: 0.7964 - auc_102:
0.5191 - val_loss: 0.8455 - val_auc_102: 0.5107
Epoch 473/700
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_102:
0.5201 - val_loss: 0.7564 - val_auc_102: 0.5154
Epoch 474/700
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_102:
0.5178 - val_loss: 0.7601 - val_auc_102: 0.5146
Epoch 475/700
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_102:
0.5218 - val_loss: 0.7427 - val_auc_102: 0.5145
Epoch 476/700

267/267 [=====] - 1s 3ms/step - loss: 0.7571 - auc_102:
0.5186 - val_loss: 0.7724 - val_auc_102: 0.5169
Epoch 477/700
267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_102:
0.5187 - val_loss: 0.8041 - val_auc_102: 0.5131
Epoch 478/700
267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_102:
0.5188 - val_loss: 0.7440 - val_auc_102: 0.5163
Epoch 479/700
267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_102:
0.5174 - val_loss: 0.7795 - val_auc_102: 0.5116
Epoch 480/700
267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_102:
0.5183 - val_loss: 0.7742 - val_auc_102: 0.5086
Epoch 481/700
267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_102:
0.5171 - val_loss: 0.7761 - val_auc_102: 0.5134
Epoch 482/700
267/267 [=====] - 1s 3ms/step - loss: 0.7598 - auc_102:
0.5204 - val_loss: 0.8302 - val_auc_102: 0.5143
Epoch 483/700
267/267 [=====] - 1s 3ms/step - loss: 0.7952 - auc_102:
0.5207 - val_loss: 0.8498 - val_auc_102: 0.5063
Epoch 484/700
267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_102:
0.5178 - val_loss: 0.7974 - val_auc_102: 0.5084
Epoch 485/700
267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_102:
0.5180 - val_loss: 0.7174 - val_auc_102: 0.5133
Epoch 486/700
267/267 [=====] - 1s 3ms/step - loss: 0.7678 - auc_102:
0.5204 - val_loss: 0.8016 - val_auc_102: 0.5081
Epoch 487/700
267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_102:
0.5187 - val_loss: 0.7772 - val_auc_102: 0.5100
Epoch 488/700
267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_102:
0.5190 - val_loss: 0.7343 - val_auc_102: 0.5125
Epoch 489/700
267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_102:
0.5200 - val_loss: 0.8714 - val_auc_102: 0.5097
Epoch 490/700
267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_102:
0.5173 - val_loss: 0.7452 - val_auc_102: 0.5198
Epoch 491/700
267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_102:
0.5208 - val_loss: 0.7425 - val_auc_102: 0.5095
Epoch 492/700

267/267 [=====] - 1s 3ms/step - loss: 0.7648 - auc_102:
 0.5190 - val_loss: 0.7418 - val_auc_102: 0.5162
 Epoch 493/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_102:
 0.5193 - val_loss: 0.8898 - val_auc_102: 0.5139
 Epoch 494/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_102:
 0.5194 - val_loss: 0.7974 - val_auc_102: 0.5164
 Epoch 495/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_102:
 0.5208 - val_loss: 0.7567 - val_auc_102: 0.5188
 Epoch 496/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7921 - auc_102:
 0.5186 - val_loss: 0.7097 - val_auc_102: 0.5154
 Epoch 497/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7495 - auc_102:
 0.5196 - val_loss: 0.7498 - val_auc_102: 0.5181
 Epoch 498/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_102:
 0.5212 - val_loss: 0.8046 - val_auc_102: 0.5054
 Epoch 499/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_102:
 0.5205 - val_loss: 0.7477 - val_auc_102: 0.5161
 Epoch 500/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7687 - auc_102:
 0.5201 - val_loss: 0.8599 - val_auc_102: 0.5080
 Epoch 501/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_102:
 0.5183 - val_loss: 0.7290 - val_auc_102: 0.5102
 Epoch 502/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8016 - auc_102:
 0.5187 - val_loss: 0.7598 - val_auc_102: 0.5169
 Epoch 503/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7685 - auc_102:
 0.5207 - val_loss: 0.7639 - val_auc_102: 0.5147
 Epoch 504/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_102:
 0.5182 - val_loss: 0.9301 - val_auc_102: 0.5098
 Epoch 505/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7915 - auc_102:
 0.5181 - val_loss: 0.8697 - val_auc_102: 0.5090
 Epoch 506/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_102:
 0.5184 - val_loss: 0.8246 - val_auc_102: 0.5091
 Epoch 507/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7688 - auc_102:
 0.5203 - val_loss: 0.7719 - val_auc_102: 0.5102
 Epoch 508/700

267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_102:
0.5206 - val_loss: 0.7968 - val_auc_102: 0.5053
Epoch 509/700
267/267 [=====] - 1s 3ms/step - loss: 0.7999 - auc_102:
0.5218 - val_loss: 0.7565 - val_auc_102: 0.5155
Epoch 510/700
267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_102:
0.5200 - val_loss: 0.8361 - val_auc_102: 0.5177
Epoch 511/700
267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_102:
0.5191 - val_loss: 0.7502 - val_auc_102: 0.5104
Epoch 512/700
267/267 [=====] - 1s 3ms/step - loss: 0.7948 - auc_102:
0.5176 - val_loss: 0.8139 - val_auc_102: 0.5160
Epoch 513/700
267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_102:
0.5198 - val_loss: 0.8681 - val_auc_102: 0.5155
Epoch 514/700
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_102:
0.5192 - val_loss: 0.7822 - val_auc_102: 0.5149
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_102:
0.5194 - val_loss: 0.8019 - val_auc_102: 0.5134
Epoch 516/700
267/267 [=====] - 1s 3ms/step - loss: 0.8022 - auc_102:
0.5202 - val_loss: 0.8080 - val_auc_102: 0.5151
Epoch 517/700
267/267 [=====] - 1s 3ms/step - loss: 0.7925 - auc_102:
0.5200 - val_loss: 0.7289 - val_auc_102: 0.5124
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 0.7650 - auc_102:
0.5194 - val_loss: 0.7317 - val_auc_102: 0.5166
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 0.7990 - auc_102:
0.5201 - val_loss: 0.8279 - val_auc_102: 0.5112
Epoch 520/700
267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_102:
0.5188 - val_loss: 0.8102 - val_auc_102: 0.5084
Epoch 521/700
267/267 [=====] - 1s 3ms/step - loss: 0.7678 - auc_102:
0.5180 - val_loss: 0.7712 - val_auc_102: 0.5107
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_102:
0.5181 - val_loss: 0.7714 - val_auc_102: 0.5124
Epoch 523/700
267/267 [=====] - 1s 3ms/step - loss: 0.8108 - auc_102:
0.5189 - val_loss: 0.7165 - val_auc_102: 0.5123
Epoch 524/700

267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_102:
0.5178 - val_loss: 0.8085 - val_auc_102: 0.5178
Epoch 525/700
267/267 [=====] - 1s 3ms/step - loss: 0.7684 - auc_102:
0.5182 - val_loss: 0.7794 - val_auc_102: 0.5162
Epoch 526/700
267/267 [=====] - 1s 3ms/step - loss: 0.7877 - auc_102:
0.5195 - val_loss: 0.8362 - val_auc_102: 0.5098
Epoch 527/700
267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_102:
0.5196 - val_loss: 0.7815 - val_auc_102: 0.5074
Epoch 528/700
267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_102:
0.5213 - val_loss: 0.7383 - val_auc_102: 0.5145
Epoch 529/700
267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_102:
0.5213 - val_loss: 0.8897 - val_auc_102: 0.5121
Epoch 530/700
267/267 [=====] - 1s 3ms/step - loss: 0.8001 - auc_102:
0.5156 - val_loss: 0.7495 - val_auc_102: 0.5151
Epoch 531/700
267/267 [=====] - 1s 3ms/step - loss: 0.7647 - auc_102:
0.5191 - val_loss: 0.8885 - val_auc_102: 0.5182
Epoch 532/700
267/267 [=====] - 1s 3ms/step - loss: 0.7607 - auc_102:
0.5196 - val_loss: 0.7396 - val_auc_102: 0.5079
Epoch 533/700
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_102:
0.5217 - val_loss: 0.7510 - val_auc_102: 0.5115
Epoch 534/700
267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_102:
0.5187 - val_loss: 0.7760 - val_auc_102: 0.5165
Epoch 535/700
267/267 [=====] - 1s 3ms/step - loss: 0.7686 - auc_102:
0.5177 - val_loss: 0.7322 - val_auc_102: 0.5182
Epoch 536/700
267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_102:
0.5189 - val_loss: 0.7725 - val_auc_102: 0.5074
Epoch 537/700
267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_102:
0.5155 - val_loss: 0.8177 - val_auc_102: 0.5154
Epoch 538/700
267/267 [=====] - 1s 3ms/step - loss: 0.8287 - auc_102:
0.5178 - val_loss: 0.8970 - val_auc_102: 0.5118
Epoch 539/700
267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_102:
0.5185 - val_loss: 0.9225 - val_auc_102: 0.5176
Epoch 540/700

267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_102:
0.5187 - val_loss: 0.8159 - val_auc_102: 0.5186
Epoch 541/700
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_102:
0.5176 - val_loss: 0.7642 - val_auc_102: 0.5180
Epoch 542/700
267/267 [=====] - 1s 3ms/step - loss: 0.7588 - auc_102:
0.5205 - val_loss: 0.7679 - val_auc_102: 0.5204
Epoch 543/700
267/267 [=====] - 1s 3ms/step - loss: 0.7643 - auc_102:
0.5232 - val_loss: 0.7681 - val_auc_102: 0.5139
Epoch 544/700
267/267 [=====] - 1s 3ms/step - loss: 0.7562 - auc_102:
0.5205 - val_loss: 0.8104 - val_auc_102: 0.5111
Epoch 545/700
267/267 [=====] - 1s 3ms/step - loss: 0.7560 - auc_102:
0.5219 - val_loss: 0.7449 - val_auc_102: 0.5203
Epoch 546/700
267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_102:
0.5193 - val_loss: 0.7495 - val_auc_102: 0.5153
Epoch 547/700
267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_102:
0.5199 - val_loss: 0.7551 - val_auc_102: 0.5063
Epoch 548/700
267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_102:
0.5204 - val_loss: 0.7437 - val_auc_102: 0.5135
Epoch 549/700
267/267 [=====] - 1s 3ms/step - loss: 0.7664 - auc_102:
0.5202 - val_loss: 0.8186 - val_auc_102: 0.5157
Epoch 550/700
267/267 [=====] - 1s 3ms/step - loss: 0.8101 - auc_102:
0.5193 - val_loss: 0.8595 - val_auc_102: 0.5136
Epoch 551/700
267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_102:
0.5207 - val_loss: 0.7981 - val_auc_102: 0.5086
Epoch 552/700
267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_102:
0.5206 - val_loss: 0.9177 - val_auc_102: 0.5139
Epoch 553/700
267/267 [=====] - 1s 3ms/step - loss: 0.7705 - auc_102:
0.5208 - val_loss: 0.7531 - val_auc_102: 0.5128
Epoch 554/700
267/267 [=====] - 1s 3ms/step - loss: 0.7690 - auc_102:
0.5212 - val_loss: 0.7562 - val_auc_102: 0.5096
Epoch 555/700
267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_102:
0.5192 - val_loss: 0.7125 - val_auc_102: 0.5145
Epoch 556/700

267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_102:
 0.5177 - val_loss: 0.7613 - val_auc_102: 0.5131
 Epoch 557/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7680 - auc_102:
 0.5199 - val_loss: 0.7727 - val_auc_102: 0.5098
 Epoch 558/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_102:
 0.5176 - val_loss: 0.7248 - val_auc_102: 0.5140
 Epoch 559/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7705 - auc_102:
 0.5218 - val_loss: 0.9073 - val_auc_102: 0.5089
 Epoch 560/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7607 - auc_102:
 0.5210 - val_loss: 0.7611 - val_auc_102: 0.5118
 Epoch 561/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_102:
 0.5188 - val_loss: 0.8480 - val_auc_102: 0.5179
 Epoch 562/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8012 - auc_102:
 0.5198 - val_loss: 0.8808 - val_auc_102: 0.5168
 Epoch 563/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_102:
 0.5176 - val_loss: 0.7163 - val_auc_102: 0.5174
 Epoch 564/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_102:
 0.5210 - val_loss: 0.8255 - val_auc_102: 0.5158
 Epoch 565/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7648 - auc_102:
 0.5234 - val_loss: 0.7304 - val_auc_102: 0.5141
 Epoch 566/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7648 - auc_102:
 0.5202 - val_loss: 0.7870 - val_auc_102: 0.5157
 Epoch 567/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8131 - auc_102:
 0.5214 - val_loss: 0.7799 - val_auc_102: 0.5115
 Epoch 568/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7551 - auc_102:
 0.5228 - val_loss: 0.7697 - val_auc_102: 0.5137
 Epoch 569/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_102:
 0.5203 - val_loss: 0.8855 - val_auc_102: 0.5123
 Epoch 570/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7682 - auc_102:
 0.5210 - val_loss: 0.8408 - val_auc_102: 0.5125
 Epoch 571/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_102:
 0.5200 - val_loss: 0.7389 - val_auc_102: 0.5142
 Epoch 572/700

267/267 [=====] - 1s 3ms/step - loss: 0.7634 - auc_102:
0.5215 - val_loss: 0.7462 - val_auc_102: 0.5163
Epoch 573/700
267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_102:
0.5210 - val_loss: 0.8855 - val_auc_102: 0.5136
Epoch 574/700
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_102:
0.5184 - val_loss: 0.7836 - val_auc_102: 0.5160
Epoch 575/700
267/267 [=====] - 1s 3ms/step - loss: 0.8058 - auc_102:
0.5208 - val_loss: 0.8364 - val_auc_102: 0.5099
Epoch 576/700
267/267 [=====] - 1s 3ms/step - loss: 0.8158 - auc_102:
0.5205 - val_loss: 0.8157 - val_auc_102: 0.5135
Epoch 577/700
267/267 [=====] - 1s 3ms/step - loss: 0.7873 - auc_102:
0.5181 - val_loss: 0.7410 - val_auc_102: 0.5166
Epoch 578/700
267/267 [=====] - 1s 3ms/step - loss: 0.7877 - auc_102:
0.5195 - val_loss: 0.7811 - val_auc_102: 0.5084
Epoch 579/700
267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_102:
0.5181 - val_loss: 0.7623 - val_auc_102: 0.5219
Epoch 580/700
267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_102:
0.5221 - val_loss: 0.7215 - val_auc_102: 0.5190
Epoch 581/700
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_102:
0.5197 - val_loss: 0.7828 - val_auc_102: 0.5151
Epoch 582/700
267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_102:
0.5183 - val_loss: 0.7301 - val_auc_102: 0.5122
Epoch 583/700
267/267 [=====] - 1s 3ms/step - loss: 0.7714 - auc_102:
0.5185 - val_loss: 0.7537 - val_auc_102: 0.5056
Epoch 584/700
267/267 [=====] - 1s 3ms/step - loss: 0.7798 - auc_102:
0.5179 - val_loss: 0.9026 - val_auc_102: 0.5143
Epoch 585/700
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_102:
0.5187 - val_loss: 0.9034 - val_auc_102: 0.5111
Epoch 586/700
267/267 [=====] - 1s 3ms/step - loss: 0.7581 - auc_102:
0.5192 - val_loss: 0.8339 - val_auc_102: 0.5091
Epoch 587/700
267/267 [=====] - 1s 3ms/step - loss: 0.7619 - auc_102:
0.5200 - val_loss: 0.8222 - val_auc_102: 0.5168
Epoch 588/700

267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_102:
 0.5181 - val_loss: 0.8653 - val_auc_102: 0.5094
 Epoch 589/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_102:
 0.5201 - val_loss: 0.7991 - val_auc_102: 0.5131
 Epoch 590/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_102:
 0.5209 - val_loss: 0.8105 - val_auc_102: 0.5128
 Epoch 591/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_102:
 0.5208 - val_loss: 0.7543 - val_auc_102: 0.5156
 Epoch 592/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_102:
 0.5193 - val_loss: 0.7654 - val_auc_102: 0.5188
 Epoch 593/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_102:
 0.5199 - val_loss: 0.7590 - val_auc_102: 0.5115
 Epoch 594/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_102:
 0.5174 - val_loss: 0.7689 - val_auc_102: 0.5098
 Epoch 595/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_102:
 0.5188 - val_loss: 0.7355 - val_auc_102: 0.5131
 Epoch 596/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7551 - auc_102:
 0.5208 - val_loss: 0.8258 - val_auc_102: 0.5083
 Epoch 597/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_102:
 0.5189 - val_loss: 0.7862 - val_auc_102: 0.5183
 Epoch 598/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7620 - auc_102:
 0.5219 - val_loss: 0.7483 - val_auc_102: 0.5148
 Epoch 599/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_102:
 0.5192 - val_loss: 0.7982 - val_auc_102: 0.5180
 Epoch 600/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_102:
 0.5187 - val_loss: 0.7297 - val_auc_102: 0.5127
 Epoch 601/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_102:
 0.5203 - val_loss: 0.7473 - val_auc_102: 0.5101
 Epoch 602/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_102:
 0.5189 - val_loss: 0.7441 - val_auc_102: 0.5146
 Epoch 603/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_102:
 0.5204 - val_loss: 0.7894 - val_auc_102: 0.5126
 Epoch 604/700

267/267 [=====] - 1s 3ms/step - loss: 0.7694 - auc_102:
 0.5212 - val_loss: 0.7399 - val_auc_102: 0.5201
 Epoch 605/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_102:
 0.5175 - val_loss: 0.7435 - val_auc_102: 0.5165
 Epoch 606/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7899 - auc_102:
 0.5205 - val_loss: 0.9123 - val_auc_102: 0.5135
 Epoch 607/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7906 - auc_102:
 0.5163 - val_loss: 0.7772 - val_auc_102: 0.5083
 Epoch 608/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_102:
 0.5203 - val_loss: 0.8316 - val_auc_102: 0.5162
 Epoch 609/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7599 - auc_102:
 0.5212 - val_loss: 0.8230 - val_auc_102: 0.5107
 Epoch 610/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7804 - auc_102:
 0.5220 - val_loss: 0.7744 - val_auc_102: 0.5175
 Epoch 611/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_102:
 0.5208 - val_loss: 0.7952 - val_auc_102: 0.5100
 Epoch 612/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_102:
 0.5208 - val_loss: 0.9033 - val_auc_102: 0.5169
 Epoch 613/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7983 - auc_102:
 0.5196 - val_loss: 0.7380 - val_auc_102: 0.5171
 Epoch 614/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_102:
 0.5195 - val_loss: 0.9701 - val_auc_102: 0.5139
 Epoch 615/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_102:
 0.5225 - val_loss: 0.8565 - val_auc_102: 0.5108
 Epoch 616/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_102:
 0.5202 - val_loss: 0.7883 - val_auc_102: 0.5147
 Epoch 617/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_102:
 0.5171 - val_loss: 0.8143 - val_auc_102: 0.5105
 Epoch 618/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_102:
 0.5168 - val_loss: 0.8015 - val_auc_102: 0.5146
 Epoch 619/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7590 - auc_102:
 0.5190 - val_loss: 0.8532 - val_auc_102: 0.5083
 Epoch 620/700

267/267 [=====] - 1s 3ms/step - loss: 0.8051 - auc_102:
 0.5198 - val_loss: 0.7707 - val_auc_102: 0.5094
 Epoch 621/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7952 - auc_102:
 0.5193 - val_loss: 0.7332 - val_auc_102: 0.5174
 Epoch 622/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_102:
 0.5182 - val_loss: 0.8374 - val_auc_102: 0.5070
 Epoch 623/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_102:
 0.5200 - val_loss: 0.7375 - val_auc_102: 0.5187
 Epoch 624/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_102:
 0.5191 - val_loss: 0.7681 - val_auc_102: 0.5120
 Epoch 625/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7686 - auc_102:
 0.5195 - val_loss: 0.7403 - val_auc_102: 0.5173
 Epoch 626/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7672 - auc_102:
 0.5206 - val_loss: 0.7754 - val_auc_102: 0.5124
 Epoch 627/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7611 - auc_102:
 0.5198 - val_loss: 0.7412 - val_auc_102: 0.5152
 Epoch 628/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7954 - auc_102:
 0.5208 - val_loss: 0.7841 - val_auc_102: 0.5079
 Epoch 629/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7618 - auc_102:
 0.5224 - val_loss: 0.8230 - val_auc_102: 0.5157
 Epoch 630/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_102:
 0.5177 - val_loss: 0.7613 - val_auc_102: 0.5149
 Epoch 631/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7676 - auc_102:
 0.5187 - val_loss: 0.7819 - val_auc_102: 0.5121
 Epoch 632/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7773 - auc_102:
 0.5214 - val_loss: 0.8234 - val_auc_102: 0.5164
 Epoch 633/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7731 - auc_102:
 0.5212 - val_loss: 0.8068 - val_auc_102: 0.5114
 Epoch 634/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7626 - auc_102:
 0.5191 - val_loss: 0.8413 - val_auc_102: 0.5130
 Epoch 635/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7909 - auc_102:
 0.5195 - val_loss: 0.8244 - val_auc_102: 0.5136
 Epoch 636/700

267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_102:
0.5181 - val_loss: 0.7629 - val_auc_102: 0.5127
Epoch 637/700
267/267 [=====] - 1s 3ms/step - loss: 0.7690 - auc_102:
0.5177 - val_loss: 0.7274 - val_auc_102: 0.5174
Epoch 638/700
267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_102:
0.5203 - val_loss: 0.8113 - val_auc_102: 0.5164
Epoch 639/700
267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_102:
0.5197 - val_loss: 0.7859 - val_auc_102: 0.5161
Epoch 640/700
267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_102:
0.5199 - val_loss: 0.8409 - val_auc_102: 0.5152
Epoch 641/700
267/267 [=====] - 1s 3ms/step - loss: 0.7620 - auc_102:
0.5207 - val_loss: 0.7806 - val_auc_102: 0.5122
Epoch 642/700
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_102:
0.5204 - val_loss: 0.8113 - val_auc_102: 0.5101
Epoch 643/700
267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_102:
0.5202 - val_loss: 0.7348 - val_auc_102: 0.5199
Epoch 644/700
267/267 [=====] - 1s 3ms/step - loss: 0.7557 - auc_102:
0.5208 - val_loss: 0.7981 - val_auc_102: 0.5167
Epoch 645/700
267/267 [=====] - 1s 3ms/step - loss: 0.7937 - auc_102:
0.5182 - val_loss: 0.8048 - val_auc_102: 0.5147
Epoch 646/700
267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_102:
0.5198 - val_loss: 0.7301 - val_auc_102: 0.5243
Epoch 647/700
267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_102:
0.5217 - val_loss: 0.8403 - val_auc_102: 0.5154
Epoch 648/700
267/267 [=====] - 1s 3ms/step - loss: 0.8000 - auc_102:
0.5204 - val_loss: 0.7972 - val_auc_102: 0.5141
Epoch 649/700
267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_102:
0.5216 - val_loss: 0.7800 - val_auc_102: 0.5168
Epoch 650/700
267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_102:
0.5212 - val_loss: 0.7485 - val_auc_102: 0.5186
Epoch 651/700
267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_102:
0.5186 - val_loss: 0.7302 - val_auc_102: 0.5221
Epoch 652/700

267/267 [=====] - 1s 3ms/step - loss: 0.7935 - auc_102:
 0.5217 - val_loss: 0.8024 - val_auc_102: 0.5184
 Epoch 653/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_102:
 0.5198 - val_loss: 0.7827 - val_auc_102: 0.5061
 Epoch 654/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_102:
 0.5186 - val_loss: 0.7533 - val_auc_102: 0.5079
 Epoch 655/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_102:
 0.5187 - val_loss: 0.8402 - val_auc_102: 0.5152
 Epoch 656/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_102:
 0.5219 - val_loss: 0.7733 - val_auc_102: 0.5152
 Epoch 657/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7650 - auc_102:
 0.5199 - val_loss: 0.8007 - val_auc_102: 0.5231
 Epoch 658/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_102:
 0.5190 - val_loss: 0.9096 - val_auc_102: 0.5102
 Epoch 659/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_102:
 0.5202 - val_loss: 0.7810 - val_auc_102: 0.5148
 Epoch 660/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_102:
 0.5212 - val_loss: 0.8975 - val_auc_102: 0.5115
 Epoch 661/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_102:
 0.5203 - val_loss: 0.7268 - val_auc_102: 0.5185
 Epoch 662/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_102:
 0.5205 - val_loss: 0.8433 - val_auc_102: 0.5145
 Epoch 663/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_102:
 0.5205 - val_loss: 0.7568 - val_auc_102: 0.5203
 Epoch 664/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_102:
 0.5201 - val_loss: 0.8077 - val_auc_102: 0.5135
 Epoch 665/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_102:
 0.5182 - val_loss: 0.7824 - val_auc_102: 0.5161
 Epoch 666/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7660 - auc_102:
 0.5184 - val_loss: 0.7495 - val_auc_102: 0.5158
 Epoch 667/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_102:
 0.5210 - val_loss: 0.7701 - val_auc_102: 0.5146
 Epoch 668/700

267/267 [=====] - 1s 3ms/step - loss: 0.7677 - auc_102:
 0.5200 - val_loss: 0.7125 - val_auc_102: 0.5166
 Epoch 669/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7804 - auc_102:
 0.5218 - val_loss: 0.9182 - val_auc_102: 0.5048
 Epoch 670/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_102:
 0.5213 - val_loss: 1.1483 - val_auc_102: 0.5187
 Epoch 671/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_102:
 0.5202 - val_loss: 0.8745 - val_auc_102: 0.5122
 Epoch 672/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8073 - auc_102:
 0.5194 - val_loss: 0.7890 - val_auc_102: 0.5146
 Epoch 673/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_102:
 0.5215 - val_loss: 0.7495 - val_auc_102: 0.5153
 Epoch 674/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_102:
 0.5179 - val_loss: 0.7854 - val_auc_102: 0.5152
 Epoch 675/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7648 - auc_102:
 0.5197 - val_loss: 0.7745 - val_auc_102: 0.5081
 Epoch 676/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_102:
 0.5218 - val_loss: 0.7677 - val_auc_102: 0.5180
 Epoch 677/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_102:
 0.5197 - val_loss: 0.7943 - val_auc_102: 0.5118
 Epoch 678/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7609 - auc_102:
 0.5190 - val_loss: 0.7761 - val_auc_102: 0.5133
 Epoch 679/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_102:
 0.5212 - val_loss: 0.9713 - val_auc_102: 0.5123
 Epoch 680/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8065 - auc_102:
 0.5201 - val_loss: 0.8188 - val_auc_102: 0.5137
 Epoch 681/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7566 - auc_102:
 0.5195 - val_loss: 0.7968 - val_auc_102: 0.5136
 Epoch 682/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7623 - auc_102:
 0.5187 - val_loss: 0.8077 - val_auc_102: 0.5230
 Epoch 683/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8018 - auc_102:
 0.5207 - val_loss: 0.7957 - val_auc_102: 0.5115
 Epoch 684/700

267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_102:
 0.5194 - val_loss: 0.7486 - val_auc_102: 0.5166
 Epoch 685/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7635 - auc_102:
 0.5170 - val_loss: 0.7369 - val_auc_102: 0.5139
 Epoch 686/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7664 - auc_102:
 0.5166 - val_loss: 0.7961 - val_auc_102: 0.5166
 Epoch 687/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_102:
 0.5170 - val_loss: 0.7210 - val_auc_102: 0.5177
 Epoch 688/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_102:
 0.5179 - val_loss: 0.7702 - val_auc_102: 0.5190
 Epoch 689/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_102:
 0.5218 - val_loss: 0.8091 - val_auc_102: 0.5178
 Epoch 690/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_102:
 0.5202 - val_loss: 0.7749 - val_auc_102: 0.5208
 Epoch 691/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_102:
 0.5187 - val_loss: 0.7985 - val_auc_102: 0.5080
 Epoch 692/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_102:
 0.5202 - val_loss: 0.7506 - val_auc_102: 0.5171
 Epoch 693/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_102:
 0.5220 - val_loss: 0.7903 - val_auc_102: 0.5142
 Epoch 694/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7636 - auc_102:
 0.5210 - val_loss: 0.8702 - val_auc_102: 0.5137
 Epoch 695/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7944 - auc_102:
 0.5215 - val_loss: 0.7598 - val_auc_102: 0.5170
 Epoch 696/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7972 - auc_102:
 0.5200 - val_loss: 0.7324 - val_auc_102: 0.5178
 Epoch 697/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_102:
 0.5225 - val_loss: 0.7811 - val_auc_102: 0.5140
 Epoch 698/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_102:
 0.5194 - val_loss: 0.7908 - val_auc_102: 0.5142
 Epoch 699/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7653 - auc_102:
 0.5184 - val_loss: 0.7756 - val_auc_102: 0.5149
 Epoch 700/700

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267/267 [=====] - 1s 3ms/step - loss: 0.7651 - auc_102:
0.5219 - val_loss: 0.7823 - val_auc_102: 0.5128
625/625 [=====] - 0s 532us/step
[CV] ... epochs=700, learning_rate=0.001, score=0.515, total= 8.9min
[CV] epochs=700, learning_rate=0.001 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 4.7670 - auc_103:
0.5060 - val_loss: 1.3817 - val_auc_103: 0.5041
Epoch 2/700
267/267 [=====] - 1s 3ms/step - loss: 1.0905 - auc_103:
0.5059 - val_loss: 0.9998 - val_auc_103: 0.5083
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 0.9953 - auc_103:
0.5048 - val_loss: 1.1713 - val_auc_103: 0.5028
Epoch 4/700
267/267 [=====] - 1s 3ms/step - loss: 0.9570 - auc_103:
0.5066 - val_loss: 1.0433 - val_auc_103: 0.5048
Epoch 5/700
267/267 [=====] - 1s 3ms/step - loss: 0.9499 - auc_103:
0.5056 - val_loss: 0.9415 - val_auc_103: 0.5034
Epoch 6/700
267/267 [=====] - 1s 3ms/step - loss: 0.9300 - auc_103:
0.5059 - val_loss: 0.8509 - val_auc_103: 0.5027
Epoch 7/700
267/267 [=====] - 1s 3ms/step - loss: 0.8910 - auc_103:
0.5062 - val_loss: 0.8152 - val_auc_103: 0.5063
Epoch 8/700
267/267 [=====] - 1s 3ms/step - loss: 0.9208 - auc_103:
0.5058 - val_loss: 0.8834 - val_auc_103: 0.5080
Epoch 9/700
267/267 [=====] - 1s 3ms/step - loss: 0.8799 - auc_103:
0.5062 - val_loss: 0.8177 - val_auc_103: 0.5073
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 0.8735 - auc_103:
0.5080 - val_loss: 0.7790 - val_auc_103: 0.5076
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 0.8637 - auc_103:
0.5057 - val_loss: 0.7900 - val_auc_103: 0.5057
Epoch 12/700
267/267 [=====] - 1s 3ms/step - loss: 0.8669 - auc_103:
0.5059 - val_loss: 0.8363 - val_auc_103: 0.5035
Epoch 13/700
267/267 [=====] - 1s 3ms/step - loss: 0.8425 - auc_103:
0.5057 - val_loss: 0.7883 - val_auc_103: 0.5021
Epoch 14/700
267/267 [=====] - 1s 3ms/step - loss: 0.8902 - auc_103:
0.5054 - val_loss: 0.8077 - val_auc_103: 0.5048
Epoch 15/700

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267/267 [=====] - 1s 3ms/step - loss: 0.8269 - auc_103:
 0.5063 - val_loss: 0.8255 - val_auc_103: 0.5022
 Epoch 16/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8435 - auc_103:
 0.5082 - val_loss: 0.8269 - val_auc_103: 0.5044
 Epoch 17/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8401 - auc_103:
 0.5071 - val_loss: 0.8259 - val_auc_103: 0.5031
 Epoch 18/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8110 - auc_103:
 0.5070 - val_loss: 0.7755 - val_auc_103: 0.5005
 Epoch 19/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8401 - auc_103:
 0.5047 - val_loss: 0.9220 - val_auc_103: 0.5045
 Epoch 20/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_103:
 0.5079 - val_loss: 0.8031 - val_auc_103: 0.5018
 Epoch 21/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8313 - auc_103:
 0.5083 - val_loss: 0.7757 - val_auc_103: 0.4976
 Epoch 22/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8029 - auc_103:
 0.5071 - val_loss: 0.7987 - val_auc_103: 0.5029
 Epoch 23/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8288 - auc_103:
 0.5076 - val_loss: 0.8002 - val_auc_103: 0.4989
 Epoch 24/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8086 - auc_103:
 0.5066 - val_loss: 0.7508 - val_auc_103: 0.5041
 Epoch 25/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_103:
 0.5099 - val_loss: 0.7731 - val_auc_103: 0.5019
 Epoch 26/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8261 - auc_103:
 0.5054 - val_loss: 0.8031 - val_auc_103: 0.5033
 Epoch 27/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7983 - auc_103:
 0.5074 - val_loss: 0.8015 - val_auc_103: 0.5044
 Epoch 28/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8295 - auc_103:
 0.5088 - val_loss: 0.7667 - val_auc_103: 0.5000
 Epoch 29/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8003 - auc_103:
 0.5084 - val_loss: 0.8756 - val_auc_103: 0.4959
 Epoch 30/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8190 - auc_103:
 0.5093 - val_loss: 0.7879 - val_auc_103: 0.5009
 Epoch 31/700

267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_103:
0.5092 - val_loss: 0.8023 - val_auc_103: 0.5061
Epoch 32/700
267/267 [=====] - 1s 3ms/step - loss: 0.8059 - auc_103:
0.5088 - val_loss: 0.9143 - val_auc_103: 0.5024
Epoch 33/700
267/267 [=====] - 1s 3ms/step - loss: 0.8042 - auc_103:
0.5103 - val_loss: 0.7573 - val_auc_103: 0.5000
Epoch 34/700
267/267 [=====] - 1s 3ms/step - loss: 0.8050 - auc_103:
0.5093 - val_loss: 0.8341 - val_auc_103: 0.5028
Epoch 35/700
267/267 [=====] - 1s 3ms/step - loss: 0.8075 - auc_103:
0.5101 - val_loss: 0.7735 - val_auc_103: 0.5041
Epoch 36/700
267/267 [=====] - 1s 3ms/step - loss: 0.8272 - auc_103:
0.5098 - val_loss: 0.7676 - val_auc_103: 0.5012
Epoch 37/700
267/267 [=====] - 1s 3ms/step - loss: 0.8154 - auc_103:
0.5084 - val_loss: 0.8994 - val_auc_103: 0.4975
Epoch 38/700
267/267 [=====] - 1s 3ms/step - loss: 0.8152 - auc_103:
0.5093 - val_loss: 0.7608 - val_auc_103: 0.5054
Epoch 39/700
267/267 [=====] - 1s 3ms/step - loss: 0.8017 - auc_103:
0.5087 - val_loss: 0.7995 - val_auc_103: 0.4981
Epoch 40/700
267/267 [=====] - 1s 3ms/step - loss: 0.8091 - auc_103:
0.5098 - val_loss: 0.7872 - val_auc_103: 0.5010
Epoch 41/700
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_103:
0.5101 - val_loss: 0.9916 - val_auc_103: 0.5057
Epoch 42/700
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_103:
0.5103 - val_loss: 0.7958 - val_auc_103: 0.5025
Epoch 43/700
267/267 [=====] - 1s 3ms/step - loss: 0.7997 - auc_103:
0.5098 - val_loss: 0.7574 - val_auc_103: 0.5010
Epoch 44/700
267/267 [=====] - 1s 3ms/step - loss: 0.8162 - auc_103:
0.5072 - val_loss: 0.9211 - val_auc_103: 0.5010
Epoch 45/700
267/267 [=====] - 1s 3ms/step - loss: 0.7992 - auc_103:
0.5092 - val_loss: 0.7775 - val_auc_103: 0.5018
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 0.8059 - auc_103:
0.5081 - val_loss: 0.7639 - val_auc_103: 0.5023
Epoch 47/700

267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_103:
0.5084 - val_loss: 0.8186 - val_auc_103: 0.5025
Epoch 48/700
267/267 [=====] - 1s 3ms/step - loss: 0.8194 - auc_103:
0.5090 - val_loss: 0.7689 - val_auc_103: 0.5012
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 0.8074 - auc_103:
0.5097 - val_loss: 0.7619 - val_auc_103: 0.5055
Epoch 50/700
267/267 [=====] - 1s 3ms/step - loss: 0.7925 - auc_103:
0.5095 - val_loss: 0.7627 - val_auc_103: 0.5016
Epoch 51/700
267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_103:
0.5087 - val_loss: 0.7722 - val_auc_103: 0.5051
Epoch 52/700
267/267 [=====] - 1s 3ms/step - loss: 0.8065 - auc_103:
0.5087 - val_loss: 0.8262 - val_auc_103: 0.5094
Epoch 53/700
267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_103:
0.5094 - val_loss: 0.7625 - val_auc_103: 0.5069
Epoch 54/700
267/267 [=====] - 1s 3ms/step - loss: 0.7821 - auc_103:
0.5106 - val_loss: 0.7874 - val_auc_103: 0.5021
Epoch 55/700
267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_103:
0.5111 - val_loss: 0.7770 - val_auc_103: 0.5061
Epoch 56/700
267/267 [=====] - 1s 3ms/step - loss: 0.7942 - auc_103:
0.5095 - val_loss: 0.8244 - val_auc_103: 0.5046
Epoch 57/700
267/267 [=====] - 1s 3ms/step - loss: 0.8126 - auc_103:
0.5101 - val_loss: 0.8743 - val_auc_103: 0.5006
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 0.8002 - auc_103:
0.5101 - val_loss: 0.8193 - val_auc_103: 0.5039
Epoch 59/700
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_103:
0.5114 - val_loss: 0.7990 - val_auc_103: 0.5073
Epoch 60/700
267/267 [=====] - 1s 3ms/step - loss: 0.8053 - auc_103:
0.5103 - val_loss: 0.7388 - val_auc_103: 0.5044
Epoch 61/700
267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_103:
0.5100 - val_loss: 0.7701 - val_auc_103: 0.5030
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 0.7987 - auc_103:
0.5110 - val_loss: 0.7431 - val_auc_103: 0.5042
Epoch 63/700

267/267 [=====] - 1s 3ms/step - loss: 0.7945 - auc_103:
0.5101 - val_loss: 0.9159 - val_auc_103: 0.5024
Epoch 64/700
267/267 [=====] - 1s 3ms/step - loss: 0.8060 - auc_103:
0.5119 - val_loss: 0.8235 - val_auc_103: 0.5062
Epoch 65/700
267/267 [=====] - 1s 3ms/step - loss: 0.8019 - auc_103:
0.5117 - val_loss: 0.8819 - val_auc_103: 0.5008
Epoch 66/700
267/267 [=====] - 1s 3ms/step - loss: 0.8018 - auc_103:
0.5105 - val_loss: 0.8047 - val_auc_103: 0.5045
Epoch 67/700
267/267 [=====] - 1s 3ms/step - loss: 0.7983 - auc_103:
0.5116 - val_loss: 0.9034 - val_auc_103: 0.5039
Epoch 68/700
267/267 [=====] - 1s 3ms/step - loss: 0.7964 - auc_103:
0.5100 - val_loss: 0.7876 - val_auc_103: 0.5017
Epoch 69/700
267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_103:
0.5099 - val_loss: 0.7704 - val_auc_103: 0.4973
Epoch 70/700
267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_103:
0.5133 - val_loss: 0.8531 - val_auc_103: 0.4992
Epoch 71/700
267/267 [=====] - 1s 3ms/step - loss: 0.8049 - auc_103:
0.5098 - val_loss: 0.7895 - val_auc_103: 0.5078
Epoch 72/700
267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_103:
0.5096 - val_loss: 0.7941 - val_auc_103: 0.5038
Epoch 73/700
267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_103:
0.5131 - val_loss: 0.8497 - val_auc_103: 0.5039
Epoch 74/700
267/267 [=====] - 1s 3ms/step - loss: 0.7959 - auc_103:
0.5106 - val_loss: 0.7815 - val_auc_103: 0.5024
Epoch 75/700
267/267 [=====] - 1s 3ms/step - loss: 0.8260 - auc_103:
0.5111 - val_loss: 0.7799 - val_auc_103: 0.5036
Epoch 76/700
267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_103:
0.5108 - val_loss: 0.8968 - val_auc_103: 0.5004
Epoch 77/700
267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_103:
0.5109 - val_loss: 0.7653 - val_auc_103: 0.5018
Epoch 78/700
267/267 [=====] - 1s 3ms/step - loss: 0.8072 - auc_103:
0.5102 - val_loss: 0.7782 - val_auc_103: 0.5052
Epoch 79/700

267/267 [=====] - 1s 3ms/step - loss: 0.8077 - auc_103:
 0.5106 - val_loss: 1.0311 - val_auc_103: 0.5037
 Epoch 80/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8237 - auc_103:
 0.5110 - val_loss: 0.7694 - val_auc_103: 0.5075
 Epoch 81/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8025 - auc_103:
 0.5105 - val_loss: 0.8511 - val_auc_103: 0.5029
 Epoch 82/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7943 - auc_103:
 0.5117 - val_loss: 0.7423 - val_auc_103: 0.5056
 Epoch 83/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_103:
 0.5107 - val_loss: 0.7520 - val_auc_103: 0.5072
 Epoch 84/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_103:
 0.5112 - val_loss: 0.7831 - val_auc_103: 0.5023
 Epoch 85/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_103:
 0.5120 - val_loss: 0.7409 - val_auc_103: 0.4999
 Epoch 86/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8101 - auc_103:
 0.5114 - val_loss: 0.9424 - val_auc_103: 0.5051
 Epoch 87/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7926 - auc_103:
 0.5110 - val_loss: 0.8915 - val_auc_103: 0.5052
 Epoch 88/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_103:
 0.5126 - val_loss: 0.8006 - val_auc_103: 0.5053
 Epoch 89/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_103:
 0.5129 - val_loss: 0.7515 - val_auc_103: 0.5054
 Epoch 90/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8080 - auc_103:
 0.5121 - val_loss: 0.7561 - val_auc_103: 0.5095
 Epoch 91/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_103:
 0.5116 - val_loss: 0.7362 - val_auc_103: 0.5066
 Epoch 92/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7899 - auc_103:
 0.5113 - val_loss: 0.7790 - val_auc_103: 0.5052
 Epoch 93/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_103:
 0.5115 - val_loss: 0.8386 - val_auc_103: 0.4957
 Epoch 94/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7992 - auc_103:
 0.5095 - val_loss: 0.7681 - val_auc_103: 0.5032
 Epoch 95/700

267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_103:
0.5121 - val_loss: 0.7655 - val_auc_103: 0.4982
Epoch 96/700
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_103:
0.5126 - val_loss: 0.8752 - val_auc_103: 0.5041
Epoch 97/700
267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_103:
0.5110 - val_loss: 0.7806 - val_auc_103: 0.5086
Epoch 98/700
267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_103:
0.5127 - val_loss: 0.7918 - val_auc_103: 0.5099
Epoch 99/700
267/267 [=====] - 1s 3ms/step - loss: 0.7746 - auc_103:
0.5127 - val_loss: 0.8451 - val_auc_103: 0.5108
Epoch 100/700
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_103:
0.5125 - val_loss: 0.7812 - val_auc_103: 0.5024
Epoch 101/700
267/267 [=====] - 1s 3ms/step - loss: 0.8205 - auc_103:
0.5110 - val_loss: 0.7808 - val_auc_103: 0.5049
Epoch 102/700
267/267 [=====] - 1s 3ms/step - loss: 0.8173 - auc_103:
0.5107 - val_loss: 0.8709 - val_auc_103: 0.5011
Epoch 103/700
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_103:
0.5110 - val_loss: 0.8495 - val_auc_103: 0.5075
Epoch 104/700
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_103:
0.5086 - val_loss: 0.8374 - val_auc_103: 0.5058
Epoch 105/700
267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_103:
0.5114 - val_loss: 0.8016 - val_auc_103: 0.5030
Epoch 106/700
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_103:
0.5108 - val_loss: 0.8381 - val_auc_103: 0.5100
Epoch 107/700
267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_103:
0.5133 - val_loss: 0.7614 - val_auc_103: 0.5098
Epoch 108/700
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_103:
0.5104 - val_loss: 0.7375 - val_auc_103: 0.5069
Epoch 109/700
267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_103:
0.5105 - val_loss: 0.8573 - val_auc_103: 0.5044
Epoch 110/700
267/267 [=====] - 1s 3ms/step - loss: 0.7976 - auc_103:
0.5109 - val_loss: 0.8335 - val_auc_103: 0.5016
Epoch 111/700

267/267 [=====] - 1s 3ms/step - loss: 0.8012 - auc_103:
0.5111 - val_loss: 0.8065 - val_auc_103: 0.5023
Epoch 112/700
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_103:
0.5105 - val_loss: 0.8608 - val_auc_103: 0.5078
Epoch 113/700
267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_103:
0.5137 - val_loss: 0.7882 - val_auc_103: 0.5052
Epoch 114/700
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_103:
0.5125 - val_loss: 0.8000 - val_auc_103: 0.5018
Epoch 115/700
267/267 [=====] - 1s 3ms/step - loss: 0.7660 - auc_103:
0.5094 - val_loss: 0.7570 - val_auc_103: 0.5059
Epoch 116/700
267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_103:
0.5105 - val_loss: 0.7711 - val_auc_103: 0.5010
Epoch 117/700
267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_103:
0.5102 - val_loss: 0.7796 - val_auc_103: 0.5074
Epoch 118/700
267/267 [=====] - 1s 3ms/step - loss: 0.8045 - auc_103:
0.5104 - val_loss: 0.8009 - val_auc_103: 0.5047
Epoch 119/700
267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_103:
0.5126 - val_loss: 0.8265 - val_auc_103: 0.5043
Epoch 120/700
267/267 [=====] - 1s 3ms/step - loss: 0.7702 - auc_103:
0.5113 - val_loss: 0.7789 - val_auc_103: 0.5070
Epoch 121/700
267/267 [=====] - 1s 3ms/step - loss: 0.8123 - auc_103:
0.5121 - val_loss: 0.7840 - val_auc_103: 0.5085
Epoch 122/700
267/267 [=====] - 1s 3ms/step - loss: 0.7642 - auc_103:
0.5124 - val_loss: 0.7858 - val_auc_103: 0.5013
Epoch 123/700
267/267 [=====] - 1s 3ms/step - loss: 0.8000 - auc_103:
0.5131 - val_loss: 0.7422 - val_auc_103: 0.5073
Epoch 124/700
267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_103:
0.5115 - val_loss: 0.8129 - val_auc_103: 0.5015
Epoch 125/700
267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_103:
0.5125 - val_loss: 0.8240 - val_auc_103: 0.5053
Epoch 126/700
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_103:
0.5114 - val_loss: 0.7436 - val_auc_103: 0.5082
Epoch 127/700

267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_103:
0.5117 - val_loss: 0.7597 - val_auc_103: 0.5065
Epoch 128/700
267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_103:
0.5111 - val_loss: 0.7742 - val_auc_103: 0.5053
Epoch 129/700
267/267 [=====] - 1s 3ms/step - loss: 0.7687 - auc_103:
0.5130 - val_loss: 0.7462 - val_auc_103: 0.5090
Epoch 130/700
267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_103:
0.5121 - val_loss: 0.7941 - val_auc_103: 0.5055
Epoch 131/700
267/267 [=====] - 1s 3ms/step - loss: 0.8075 - auc_103:
0.5106 - val_loss: 0.7355 - val_auc_103: 0.5079
Epoch 132/700
267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_103:
0.5099 - val_loss: 0.8050 - val_auc_103: 0.5054
Epoch 133/700
267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_103:
0.5105 - val_loss: 0.7494 - val_auc_103: 0.5089
Epoch 134/700
267/267 [=====] - 1s 3ms/step - loss: 0.7999 - auc_103:
0.5130 - val_loss: 0.7213 - val_auc_103: 0.5041
Epoch 135/700
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_103:
0.5134 - val_loss: 0.8223 - val_auc_103: 0.4992
Epoch 136/700
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_103:
0.5133 - val_loss: 0.7594 - val_auc_103: 0.5015
Epoch 137/700
267/267 [=====] - 1s 3ms/step - loss: 0.8010 - auc_103:
0.5123 - val_loss: 0.9206 - val_auc_103: 0.5089
Epoch 138/700
267/267 [=====] - 1s 3ms/step - loss: 0.8067 - auc_103:
0.5134 - val_loss: 0.7865 - val_auc_103: 0.5015
Epoch 139/700
267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_103:
0.5137 - val_loss: 0.7399 - val_auc_103: 0.5080
Epoch 140/700
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_103:
0.5126 - val_loss: 0.7237 - val_auc_103: 0.5062
Epoch 141/700
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_103:
0.5120 - val_loss: 0.7366 - val_auc_103: 0.5060
Epoch 142/700
267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_103:
0.5124 - val_loss: 0.8479 - val_auc_103: 0.5088
Epoch 143/700

267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_103:
0.5118 - val_loss: 0.7688 - val_auc_103: 0.5054
Epoch 144/700
267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_103:
0.5150 - val_loss: 0.7786 - val_auc_103: 0.5091
Epoch 145/700
267/267 [=====] - 1s 3ms/step - loss: 0.8080 - auc_103:
0.5137 - val_loss: 0.8570 - val_auc_103: 0.5057
Epoch 146/700
267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_103:
0.5153 - val_loss: 0.7278 - val_auc_103: 0.5083
Epoch 147/700
267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_103:
0.5134 - val_loss: 0.7878 - val_auc_103: 0.5037
Epoch 148/700
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_103:
0.5124 - val_loss: 0.7551 - val_auc_103: 0.5036
Epoch 149/700
267/267 [=====] - 1s 3ms/step - loss: 0.8100 - auc_103:
0.5128 - val_loss: 0.7389 - val_auc_103: 0.5083
Epoch 150/700
267/267 [=====] - 1s 3ms/step - loss: 0.8076 - auc_103:
0.5120 - val_loss: 0.7343 - val_auc_103: 0.5096
Epoch 151/700
267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_103:
0.5133 - val_loss: 0.7301 - val_auc_103: 0.5066
Epoch 152/700
267/267 [=====] - 1s 3ms/step - loss: 0.7900 - auc_103:
0.5121 - val_loss: 0.7710 - val_auc_103: 0.5014
Epoch 153/700
267/267 [=====] - 1s 3ms/step - loss: 0.8164 - auc_103:
0.5107 - val_loss: 0.7861 - val_auc_103: 0.5116
Epoch 154/700
267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_103:
0.5127 - val_loss: 0.8020 - val_auc_103: 0.5069
Epoch 155/700
267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_103:
0.5131 - val_loss: 0.7856 - val_auc_103: 0.5065
Epoch 156/700
267/267 [=====] - 1s 3ms/step - loss: 0.8014 - auc_103:
0.5127 - val_loss: 0.8396 - val_auc_103: 0.5109
Epoch 157/700
267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_103:
0.5131 - val_loss: 0.7736 - val_auc_103: 0.5111
Epoch 158/700
267/267 [=====] - 1s 3ms/step - loss: 0.8235 - auc_103:
0.5124 - val_loss: 0.7740 - val_auc_103: 0.5151
Epoch 159/700

267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_103:
0.5124 - val_loss: 0.7475 - val_auc_103: 0.5095
Epoch 160/700
267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_103:
0.5128 - val_loss: 0.7869 - val_auc_103: 0.5044
Epoch 161/700
267/267 [=====] - 1s 3ms/step - loss: 0.7627 - auc_103:
0.5120 - val_loss: 0.9441 - val_auc_103: 0.5049
Epoch 162/700
267/267 [=====] - 1s 3ms/step - loss: 0.8017 - auc_103:
0.5126 - val_loss: 0.7712 - val_auc_103: 0.5086
Epoch 163/700
267/267 [=====] - 1s 3ms/step - loss: 0.7735 - auc_103:
0.5139 - val_loss: 0.8662 - val_auc_103: 0.5077
Epoch 164/700
267/267 [=====] - 1s 3ms/step - loss: 0.7977 - auc_103:
0.5145 - val_loss: 0.9356 - val_auc_103: 0.5102
Epoch 165/700
267/267 [=====] - 1s 3ms/step - loss: 0.8112 - auc_103:
0.5138 - val_loss: 0.8673 - val_auc_103: 0.5049
Epoch 166/700
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_103:
0.5148 - val_loss: 0.7322 - val_auc_103: 0.5109
Epoch 167/700
267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_103:
0.5112 - val_loss: 0.8024 - val_auc_103: 0.5062
Epoch 168/700
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_103:
0.5149 - val_loss: 0.7923 - val_auc_103: 0.5101
Epoch 169/700
267/267 [=====] - 1s 3ms/step - loss: 0.7983 - auc_103:
0.5155 - val_loss: 0.7420 - val_auc_103: 0.5035
Epoch 170/700
267/267 [=====] - 1s 3ms/step - loss: 0.7688 - auc_103:
0.5143 - val_loss: 0.7270 - val_auc_103: 0.5104
Epoch 171/700
267/267 [=====] - 1s 3ms/step - loss: 0.8098 - auc_103:
0.5135 - val_loss: 0.8016 - val_auc_103: 0.5124
Epoch 172/700
267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_103:
0.5110 - val_loss: 0.7860 - val_auc_103: 0.5031
Epoch 173/700
267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_103:
0.5137 - val_loss: 0.7868 - val_auc_103: 0.5103
Epoch 174/700
267/267 [=====] - 1s 3ms/step - loss: 0.7921 - auc_103:
0.5125 - val_loss: 0.7562 - val_auc_103: 0.5060
Epoch 175/700

267/267 [=====] - 1s 3ms/step - loss: 0.7773 - auc_103:
 0.5127 - val_loss: 0.7351 - val_auc_103: 0.5093
 Epoch 176/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7675 - auc_103:
 0.5153 - val_loss: 0.8415 - val_auc_103: 0.5066
 Epoch 177/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_103:
 0.5145 - val_loss: 0.8609 - val_auc_103: 0.5090
 Epoch 178/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_103:
 0.5122 - val_loss: 0.7613 - val_auc_103: 0.5077
 Epoch 179/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_103:
 0.5125 - val_loss: 0.9521 - val_auc_103: 0.5096
 Epoch 180/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_103:
 0.5148 - val_loss: 0.8429 - val_auc_103: 0.5105
 Epoch 181/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_103:
 0.5102 - val_loss: 0.7235 - val_auc_103: 0.5063
 Epoch 182/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_103:
 0.5118 - val_loss: 0.8341 - val_auc_103: 0.5118
 Epoch 183/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_103:
 0.5124 - val_loss: 0.8011 - val_auc_103: 0.5022
 Epoch 184/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7831 - auc_103:
 0.5137 - val_loss: 1.0239 - val_auc_103: 0.5121
 Epoch 185/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_103:
 0.5163 - val_loss: 0.7719 - val_auc_103: 0.5097
 Epoch 186/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8068 - auc_103:
 0.5120 - val_loss: 1.0150 - val_auc_103: 0.5114
 Epoch 187/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8094 - auc_103:
 0.5134 - val_loss: 0.7521 - val_auc_103: 0.5090
 Epoch 188/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_103:
 0.5137 - val_loss: 0.7333 - val_auc_103: 0.5090
 Epoch 189/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_103:
 0.5140 - val_loss: 0.7635 - val_auc_103: 0.5056
 Epoch 190/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_103:
 0.5118 - val_loss: 0.7525 - val_auc_103: 0.5116
 Epoch 191/700

267/267 [=====] - 1s 3ms/step - loss: 0.8074 - auc_103:
 0.5136 - val_loss: 0.8488 - val_auc_103: 0.5071
 Epoch 192/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7667 - auc_103:
 0.5116 - val_loss: 0.8743 - val_auc_103: 0.5083
 Epoch 193/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7699 - auc_103:
 0.5138 - val_loss: 0.8115 - val_auc_103: 0.5061
 Epoch 194/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7655 - auc_103:
 0.5157 - val_loss: 0.7250 - val_auc_103: 0.5084
 Epoch 195/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8060 - auc_103:
 0.5156 - val_loss: 0.7462 - val_auc_103: 0.5101
 Epoch 196/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_103:
 0.5140 - val_loss: 0.7760 - val_auc_103: 0.5095
 Epoch 197/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_103:
 0.5164 - val_loss: 0.7414 - val_auc_103: 0.5108
 Epoch 198/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_103:
 0.5162 - val_loss: 0.7301 - val_auc_103: 0.5123
 Epoch 199/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7967 - auc_103:
 0.5131 - val_loss: 0.8584 - val_auc_103: 0.5115
 Epoch 200/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7873 - auc_103:
 0.5121 - val_loss: 0.8905 - val_auc_103: 0.5078
 Epoch 201/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_103:
 0.5116 - val_loss: 0.7739 - val_auc_103: 0.5121
 Epoch 202/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_103:
 0.5145 - val_loss: 0.7577 - val_auc_103: 0.5107
 Epoch 203/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_103:
 0.5141 - val_loss: 0.8497 - val_auc_103: 0.5046
 Epoch 204/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_103:
 0.5146 - val_loss: 0.7973 - val_auc_103: 0.5091
 Epoch 205/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7831 - auc_103:
 0.5112 - val_loss: 0.9107 - val_auc_103: 0.4979
 Epoch 206/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7976 - auc_103:
 0.5145 - val_loss: 0.7673 - val_auc_103: 0.5083
 Epoch 207/700

267/267 [=====] - 1s 3ms/step - loss: 0.7888 - auc_103:
 0.5131 - val_loss: 0.7561 - val_auc_103: 0.5136
 Epoch 208/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7986 - auc_103:
 0.5133 - val_loss: 0.7488 - val_auc_103: 0.5084
 Epoch 209/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_103:
 0.5131 - val_loss: 0.8442 - val_auc_103: 0.5052
 Epoch 210/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7713 - auc_103:
 0.5122 - val_loss: 0.7732 - val_auc_103: 0.5044
 Epoch 211/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_103:
 0.5138 - val_loss: 0.7555 - val_auc_103: 0.5067
 Epoch 212/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_103:
 0.5137 - val_loss: 0.7867 - val_auc_103: 0.5096
 Epoch 213/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_103:
 0.5166 - val_loss: 0.8506 - val_auc_103: 0.5097
 Epoch 214/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_103:
 0.5143 - val_loss: 0.7212 - val_auc_103: 0.5142
 Epoch 215/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_103:
 0.5140 - val_loss: 0.8134 - val_auc_103: 0.5102
 Epoch 216/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7704 - auc_103:
 0.5151 - val_loss: 0.8324 - val_auc_103: 0.5099
 Epoch 217/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8024 - auc_103:
 0.5161 - val_loss: 0.7788 - val_auc_103: 0.5053
 Epoch 218/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_103:
 0.5127 - val_loss: 0.7713 - val_auc_103: 0.5047
 Epoch 219/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_103:
 0.5118 - val_loss: 0.7237 - val_auc_103: 0.5153
 Epoch 220/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_103:
 0.5120 - val_loss: 0.8350 - val_auc_103: 0.5056
 Epoch 221/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8144 - auc_103:
 0.5129 - val_loss: 0.8164 - val_auc_103: 0.5081
 Epoch 222/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_103:
 0.5144 - val_loss: 0.7132 - val_auc_103: 0.5087
 Epoch 223/700

267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_103:
 0.5134 - val_loss: 0.7493 - val_auc_103: 0.5073
 Epoch 224/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_103:
 0.5139 - val_loss: 0.7320 - val_auc_103: 0.5062
 Epoch 225/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_103:
 0.5143 - val_loss: 0.7584 - val_auc_103: 0.5097
 Epoch 226/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_103:
 0.5141 - val_loss: 0.7581 - val_auc_103: 0.5101
 Epoch 227/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_103:
 0.5126 - val_loss: 0.7548 - val_auc_103: 0.5103
 Epoch 228/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_103:
 0.5133 - val_loss: 0.7839 - val_auc_103: 0.5051
 Epoch 229/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_103:
 0.5135 - val_loss: 0.8408 - val_auc_103: 0.5079
 Epoch 230/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8043 - auc_103:
 0.5147 - val_loss: 0.7355 - val_auc_103: 0.5123
 Epoch 231/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_103:
 0.5156 - val_loss: 0.7516 - val_auc_103: 0.5049
 Epoch 232/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_103:
 0.5161 - val_loss: 0.7606 - val_auc_103: 0.5115
 Epoch 233/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7615 - auc_103:
 0.5143 - val_loss: 0.7382 - val_auc_103: 0.5043
 Epoch 234/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_103:
 0.5167 - val_loss: 0.7568 - val_auc_103: 0.5064
 Epoch 235/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_103:
 0.5155 - val_loss: 0.8334 - val_auc_103: 0.5047
 Epoch 236/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7608 - auc_103:
 0.5145 - val_loss: 0.7676 - val_auc_103: 0.5116
 Epoch 237/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7705 - auc_103:
 0.5131 - val_loss: 0.7379 - val_auc_103: 0.5035
 Epoch 238/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7652 - auc_103:
 0.5156 - val_loss: 0.7753 - val_auc_103: 0.5020
 Epoch 239/700

267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_103:
 0.5134 - val_loss: 0.8242 - val_auc_103: 0.5048
 Epoch 240/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8075 - auc_103:
 0.5157 - val_loss: 0.7356 - val_auc_103: 0.5064
 Epoch 241/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_103:
 0.5156 - val_loss: 0.7646 - val_auc_103: 0.5074
 Epoch 242/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7981 - auc_103:
 0.5155 - val_loss: 0.7441 - val_auc_103: 0.5093
 Epoch 243/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_103:
 0.5142 - val_loss: 0.8082 - val_auc_103: 0.5105
 Epoch 244/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_103:
 0.5110 - val_loss: 0.8167 - val_auc_103: 0.5070
 Epoch 245/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7917 - auc_103:
 0.5146 - val_loss: 0.7784 - val_auc_103: 0.5075
 Epoch 246/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8017 - auc_103:
 0.5138 - val_loss: 0.7978 - val_auc_103: 0.5069
 Epoch 247/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7952 - auc_103:
 0.5114 - val_loss: 0.7468 - val_auc_103: 0.5097
 Epoch 248/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7668 - auc_103:
 0.5157 - val_loss: 0.7532 - val_auc_103: 0.5148
 Epoch 249/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7658 - auc_103:
 0.5120 - val_loss: 0.7756 - val_auc_103: 0.5096
 Epoch 250/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_103:
 0.5147 - val_loss: 0.8186 - val_auc_103: 0.5076
 Epoch 251/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_103:
 0.5132 - val_loss: 0.7200 - val_auc_103: 0.5075
 Epoch 252/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7746 - auc_103:
 0.5142 - val_loss: 0.7577 - val_auc_103: 0.5079
 Epoch 253/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_103:
 0.5175 - val_loss: 0.7241 - val_auc_103: 0.5086
 Epoch 254/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_103:
 0.5143 - val_loss: 0.7354 - val_auc_103: 0.5109
 Epoch 255/700

267/267 [=====] - 1s 3ms/step - loss: 0.7590 - auc_103:
0.5123 - val_loss: 0.7516 - val_auc_103: 0.5114
Epoch 256/700
267/267 [=====] - 1s 3ms/step - loss: 0.7986 - auc_103:
0.5159 - val_loss: 0.8239 - val_auc_103: 0.5147
Epoch 257/700
267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_103:
0.5161 - val_loss: 0.7346 - val_auc_103: 0.5070
Epoch 258/700
267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_103:
0.5165 - val_loss: 0.7930 - val_auc_103: 0.5066
Epoch 259/700
267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_103:
0.5163 - val_loss: 0.8115 - val_auc_103: 0.5004
Epoch 260/700
267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_103:
0.5148 - val_loss: 0.7467 - val_auc_103: 0.5051
Epoch 261/700
267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_103:
0.5150 - val_loss: 0.8237 - val_auc_103: 0.5015
Epoch 262/700
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_103:
0.5163 - val_loss: 0.7748 - val_auc_103: 0.5044
Epoch 263/700
267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_103:
0.5151 - val_loss: 0.8263 - val_auc_103: 0.5065
Epoch 264/700
267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_103:
0.5170 - val_loss: 0.7404 - val_auc_103: 0.5101
Epoch 265/700
267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_103:
0.5170 - val_loss: 0.7152 - val_auc_103: 0.5130
Epoch 266/700
267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_103:
0.5130 - val_loss: 0.7577 - val_auc_103: 0.5061
Epoch 267/700
267/267 [=====] - 1s 3ms/step - loss: 0.7943 - auc_103:
0.5157 - val_loss: 0.8027 - val_auc_103: 0.5132
Epoch 268/700
267/267 [=====] - 1s 3ms/step - loss: 0.8130 - auc_103:
0.5134 - val_loss: 0.8039 - val_auc_103: 0.5105
Epoch 269/700
267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_103:
0.5172 - val_loss: 0.8034 - val_auc_103: 0.5133
Epoch 270/700
267/267 [=====] - 1s 3ms/step - loss: 0.8061 - auc_103:
0.5143 - val_loss: 0.7683 - val_auc_103: 0.5086
Epoch 271/700

267/267 [=====] - 1s 3ms/step - loss: 0.7964 - auc_103:
 0.5146 - val_loss: 0.8017 - val_auc_103: 0.5083
 Epoch 272/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8030 - auc_103:
 0.5155 - val_loss: 0.8361 - val_auc_103: 0.5153
 Epoch 273/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_103:
 0.5141 - val_loss: 0.7527 - val_auc_103: 0.5053
 Epoch 274/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_103:
 0.5139 - val_loss: 0.7594 - val_auc_103: 0.5125
 Epoch 275/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7703 - auc_103:
 0.5157 - val_loss: 0.7361 - val_auc_103: 0.5130
 Epoch 276/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8168 - auc_103:
 0.5125 - val_loss: 0.7528 - val_auc_103: 0.5123
 Epoch 277/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7594 - auc_103:
 0.5155 - val_loss: 0.7509 - val_auc_103: 0.5082
 Epoch 278/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8000 - auc_103:
 0.5136 - val_loss: 0.8972 - val_auc_103: 0.5101
 Epoch 279/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7681 - auc_103:
 0.5154 - val_loss: 0.7917 - val_auc_103: 0.5062
 Epoch 280/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7735 - auc_103:
 0.5142 - val_loss: 0.8351 - val_auc_103: 0.5015
 Epoch 281/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_103:
 0.5160 - val_loss: 0.7723 - val_auc_103: 0.5109
 Epoch 282/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_103:
 0.5150 - val_loss: 0.8241 - val_auc_103: 0.5091
 Epoch 283/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7892 - auc_103:
 0.5124 - val_loss: 0.7766 - val_auc_103: 0.5124
 Epoch 284/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_103:
 0.5141 - val_loss: 0.7302 - val_auc_103: 0.5074
 Epoch 285/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7681 - auc_103:
 0.5165 - val_loss: 0.8763 - val_auc_103: 0.5127
 Epoch 286/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7900 - auc_103:
 0.5147 - val_loss: 0.8298 - val_auc_103: 0.5128
 Epoch 287/700

267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_103:
 0.5140 - val_loss: 0.7819 - val_auc_103: 0.5052
 Epoch 288/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_103:
 0.5151 - val_loss: 0.7179 - val_auc_103: 0.5115
 Epoch 289/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7643 - auc_103:
 0.5139 - val_loss: 0.8250 - val_auc_103: 0.5100
 Epoch 290/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7679 - auc_103:
 0.5152 - val_loss: 0.7713 - val_auc_103: 0.5082
 Epoch 291/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_103:
 0.5133 - val_loss: 0.7560 - val_auc_103: 0.5050
 Epoch 292/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_103:
 0.5140 - val_loss: 0.8772 - val_auc_103: 0.5114
 Epoch 293/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7828 - auc_103:
 0.5143 - val_loss: 0.8326 - val_auc_103: 0.5133
 Epoch 294/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_103:
 0.5145 - val_loss: 0.7771 - val_auc_103: 0.5097
 Epoch 295/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7529 - auc_103:
 0.5182 - val_loss: 0.7403 - val_auc_103: 0.5156
 Epoch 296/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_103:
 0.5135 - val_loss: 0.8036 - val_auc_103: 0.5119
 Epoch 297/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_103:
 0.5149 - val_loss: 0.8047 - val_auc_103: 0.5099
 Epoch 298/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_103:
 0.5129 - val_loss: 0.7313 - val_auc_103: 0.5132
 Epoch 299/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7996 - auc_103:
 0.5154 - val_loss: 0.8430 - val_auc_103: 0.5083
 Epoch 300/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8045 - auc_103:
 0.5178 - val_loss: 0.8253 - val_auc_103: 0.5130
 Epoch 301/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7729 - auc_103:
 0.5158 - val_loss: 0.7855 - val_auc_103: 0.5110
 Epoch 302/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_103:
 0.5150 - val_loss: 0.7426 - val_auc_103: 0.5074
 Epoch 303/700

267/267 [=====] - 1s 3ms/step - loss: 0.7644 - auc_103:
0.5144 - val_loss: 0.7542 - val_auc_103: 0.5108
Epoch 304/700
267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_103:
0.5150 - val_loss: 0.7197 - val_auc_103: 0.5108
Epoch 305/700
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_103:
0.5165 - val_loss: 0.7686 - val_auc_103: 0.4985
Epoch 306/700
267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_103:
0.5163 - val_loss: 0.7689 - val_auc_103: 0.5025
Epoch 307/700
267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_103:
0.5137 - val_loss: 0.8623 - val_auc_103: 0.5094
Epoch 308/700
267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_103:
0.5129 - val_loss: 0.8101 - val_auc_103: 0.5116
Epoch 309/700
267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_103:
0.5167 - val_loss: 0.7469 - val_auc_103: 0.5140
Epoch 310/700
267/267 [=====] - 1s 3ms/step - loss: 0.7757 - auc_103:
0.5160 - val_loss: 0.7755 - val_auc_103: 0.5032
Epoch 311/700
267/267 [=====] - 1s 3ms/step - loss: 0.7981 - auc_103:
0.5162 - val_loss: 0.7826 - val_auc_103: 0.5038
Epoch 312/700
267/267 [=====] - 1s 3ms/step - loss: 0.7611 - auc_103:
0.5158 - val_loss: 0.7875 - val_auc_103: 0.5148
Epoch 313/700
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_103:
0.5155 - val_loss: 0.7365 - val_auc_103: 0.5116
Epoch 314/700
267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_103:
0.5162 - val_loss: 0.8652 - val_auc_103: 0.5103
Epoch 315/700
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_103:
0.5146 - val_loss: 0.7532 - val_auc_103: 0.5125
Epoch 316/700
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_103:
0.5130 - val_loss: 0.7933 - val_auc_103: 0.5061
Epoch 317/700
267/267 [=====] - 1s 3ms/step - loss: 0.7947 - auc_103:
0.5122 - val_loss: 0.9379 - val_auc_103: 0.5079
Epoch 318/700
267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_103:
0.5140 - val_loss: 0.7911 - val_auc_103: 0.5096
Epoch 319/700

267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_103:
 0.5152 - val_loss: 0.7442 - val_auc_103: 0.5122
 Epoch 320/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7999 - auc_103:
 0.5147 - val_loss: 0.7632 - val_auc_103: 0.5088
 Epoch 321/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8044 - auc_103:
 0.5170 - val_loss: 0.7371 - val_auc_103: 0.5065
 Epoch 322/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7757 - auc_103:
 0.5155 - val_loss: 0.7572 - val_auc_103: 0.5119
 Epoch 323/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7991 - auc_103:
 0.5127 - val_loss: 0.7464 - val_auc_103: 0.5136
 Epoch 324/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_103:
 0.5159 - val_loss: 0.7617 - val_auc_103: 0.5081
 Epoch 325/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_103:
 0.5136 - val_loss: 0.7893 - val_auc_103: 0.5096
 Epoch 326/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_103:
 0.5136 - val_loss: 0.8026 - val_auc_103: 0.5139
 Epoch 327/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_103:
 0.5174 - val_loss: 0.7394 - val_auc_103: 0.5073
 Epoch 328/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_103:
 0.5155 - val_loss: 0.7690 - val_auc_103: 0.5112
 Epoch 329/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_103:
 0.5134 - val_loss: 0.7622 - val_auc_103: 0.5067
 Epoch 330/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_103:
 0.5175 - val_loss: 0.7765 - val_auc_103: 0.5121
 Epoch 331/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_103:
 0.5143 - val_loss: 0.8031 - val_auc_103: 0.5078
 Epoch 332/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_103:
 0.5160 - val_loss: 0.7859 - val_auc_103: 0.5117
 Epoch 333/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8051 - auc_103:
 0.5158 - val_loss: 0.8682 - val_auc_103: 0.5046
 Epoch 334/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8223 - auc_103:
 0.5155 - val_loss: 0.8296 - val_auc_103: 0.5020
 Epoch 335/700

267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_103:
 0.5143 - val_loss: 0.7806 - val_auc_103: 0.5097
 Epoch 336/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_103:
 0.5167 - val_loss: 0.7756 - val_auc_103: 0.5106
 Epoch 337/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_103:
 0.5143 - val_loss: 0.8327 - val_auc_103: 0.5119
 Epoch 338/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_103:
 0.5169 - val_loss: 0.7975 - val_auc_103: 0.5137
 Epoch 339/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_103:
 0.5181 - val_loss: 0.7588 - val_auc_103: 0.5177
 Epoch 340/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_103:
 0.5149 - val_loss: 0.7840 - val_auc_103: 0.5134
 Epoch 341/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_103:
 0.5162 - val_loss: 0.7561 - val_auc_103: 0.5114
 Epoch 342/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7643 - auc_103:
 0.5171 - val_loss: 0.8146 - val_auc_103: 0.5114
 Epoch 343/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7676 - auc_103:
 0.5160 - val_loss: 0.7332 - val_auc_103: 0.5073
 Epoch 344/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7932 - auc_103:
 0.5159 - val_loss: 0.7619 - val_auc_103: 0.5106
 Epoch 345/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_103:
 0.5152 - val_loss: 0.7448 - val_auc_103: 0.5127
 Epoch 346/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_103:
 0.5168 - val_loss: 0.7451 - val_auc_103: 0.5131
 Epoch 347/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7900 - auc_103:
 0.5175 - val_loss: 0.7472 - val_auc_103: 0.5066
 Epoch 348/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7973 - auc_103:
 0.5147 - val_loss: 0.7688 - val_auc_103: 0.5080
 Epoch 349/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_103:
 0.5171 - val_loss: 0.7344 - val_auc_103: 0.5106
 Epoch 350/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_103:
 0.5153 - val_loss: 0.7398 - val_auc_103: 0.5106
 Epoch 351/700

267/267 [=====] - 1s 3ms/step - loss: 0.7648 - auc_103:
 0.5186 - val_loss: 0.7646 - val_auc_103: 0.5159
 Epoch 352/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7669 - auc_103:
 0.5166 - val_loss: 0.7702 - val_auc_103: 0.5125
 Epoch 353/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_103:
 0.5175 - val_loss: 0.7596 - val_auc_103: 0.5115
 Epoch 354/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_103:
 0.5178 - val_loss: 0.7294 - val_auc_103: 0.5145
 Epoch 355/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_103:
 0.5145 - val_loss: 0.7545 - val_auc_103: 0.5142
 Epoch 356/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_103:
 0.5137 - val_loss: 0.9518 - val_auc_103: 0.5114
 Epoch 357/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7735 - auc_103:
 0.5137 - val_loss: 0.7382 - val_auc_103: 0.5143
 Epoch 358/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7673 - auc_103:
 0.5147 - val_loss: 0.8577 - val_auc_103: 0.5151
 Epoch 359/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_103:
 0.5159 - val_loss: 0.7422 - val_auc_103: 0.5126
 Epoch 360/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_103:
 0.5149 - val_loss: 0.8568 - val_auc_103: 0.5115
 Epoch 361/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_103:
 0.5160 - val_loss: 0.7694 - val_auc_103: 0.5142
 Epoch 362/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_103:
 0.5154 - val_loss: 0.9867 - val_auc_103: 0.5144
 Epoch 363/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8053 - auc_103:
 0.5169 - val_loss: 0.8408 - val_auc_103: 0.5062
 Epoch 364/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_103:
 0.5148 - val_loss: 0.7205 - val_auc_103: 0.5063
 Epoch 365/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_103:
 0.5162 - val_loss: 0.7358 - val_auc_103: 0.5131
 Epoch 366/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_103:
 0.5164 - val_loss: 0.7578 - val_auc_103: 0.5099
 Epoch 367/700

267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_103:
0.5151 - val_loss: 0.7621 - val_auc_103: 0.5120
Epoch 368/700
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_103:
0.5186 - val_loss: 0.8496 - val_auc_103: 0.5074
Epoch 369/700
267/267 [=====] - 1s 3ms/step - loss: 0.7925 - auc_103:
0.5183 - val_loss: 0.7368 - val_auc_103: 0.5145
Epoch 370/700
267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_103:
0.5144 - val_loss: 0.7578 - val_auc_103: 0.5080
Epoch 371/700
267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_103:
0.5165 - val_loss: 0.8116 - val_auc_103: 0.5058
Epoch 372/700
267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_103:
0.5176 - val_loss: 0.8050 - val_auc_103: 0.5163
Epoch 373/700
267/267 [=====] - 1s 3ms/step - loss: 0.7935 - auc_103:
0.5183 - val_loss: 0.7755 - val_auc_103: 0.5034
Epoch 374/700
267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_103:
0.5141 - val_loss: 0.8106 - val_auc_103: 0.5153
Epoch 375/700
267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_103:
0.5186 - val_loss: 0.7439 - val_auc_103: 0.5147
Epoch 376/700
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_103:
0.5151 - val_loss: 0.7533 - val_auc_103: 0.5075
Epoch 377/700
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_103:
0.5185 - val_loss: 0.7773 - val_auc_103: 0.5065
Epoch 378/700
267/267 [=====] - 1s 3ms/step - loss: 0.7895 - auc_103:
0.5167 - val_loss: 0.9097 - val_auc_103: 0.5110
Epoch 379/700
267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_103:
0.5150 - val_loss: 0.7979 - val_auc_103: 0.5078
Epoch 380/700
267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_103:
0.5151 - val_loss: 0.7788 - val_auc_103: 0.5094
Epoch 381/700
267/267 [=====] - 1s 3ms/step - loss: 0.7994 - auc_103:
0.5142 - val_loss: 0.7714 - val_auc_103: 0.5127
Epoch 382/700
267/267 [=====] - 1s 3ms/step - loss: 0.7670 - auc_103:
0.5181 - val_loss: 0.7684 - val_auc_103: 0.5089
Epoch 383/700

267/267 [=====] - 1s 3ms/step - loss: 0.8127 - auc_103:
 0.5145 - val_loss: 0.7589 - val_auc_103: 0.5154
 Epoch 384/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_103:
 0.5161 - val_loss: 0.8019 - val_auc_103: 0.5104
 Epoch 385/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_103:
 0.5174 - val_loss: 0.7640 - val_auc_103: 0.5123
 Epoch 386/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7623 - auc_103:
 0.5160 - val_loss: 0.7999 - val_auc_103: 0.5055
 Epoch 387/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_103:
 0.5156 - val_loss: 0.8094 - val_auc_103: 0.5098
 Epoch 388/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7651 - auc_103:
 0.5197 - val_loss: 0.7524 - val_auc_103: 0.5163
 Epoch 389/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_103:
 0.5183 - val_loss: 0.7171 - val_auc_103: 0.5141
 Epoch 390/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_103:
 0.5166 - val_loss: 0.7703 - val_auc_103: 0.5155
 Epoch 391/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7713 - auc_103:
 0.5153 - val_loss: 0.7435 - val_auc_103: 0.5141
 Epoch 392/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_103:
 0.5157 - val_loss: 0.7520 - val_auc_103: 0.5157
 Epoch 393/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_103:
 0.5158 - val_loss: 0.8274 - val_auc_103: 0.5106
 Epoch 394/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7563 - auc_103:
 0.5172 - val_loss: 0.7437 - val_auc_103: 0.5134
 Epoch 395/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_103:
 0.5187 - val_loss: 0.8619 - val_auc_103: 0.5131
 Epoch 396/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_103:
 0.5167 - val_loss: 0.7549 - val_auc_103: 0.5105
 Epoch 397/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_103:
 0.5195 - val_loss: 0.7781 - val_auc_103: 0.5114
 Epoch 398/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8084 - auc_103:
 0.5145 - val_loss: 0.7271 - val_auc_103: 0.5038
 Epoch 399/700

267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_103:
 0.5181 - val_loss: 0.7958 - val_auc_103: 0.5051
 Epoch 400/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8084 - auc_103:
 0.5152 - val_loss: 0.8140 - val_auc_103: 0.5098
 Epoch 401/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7921 - auc_103:
 0.5157 - val_loss: 0.8703 - val_auc_103: 0.5103
 Epoch 402/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7982 - auc_103:
 0.5164 - val_loss: 0.8440 - val_auc_103: 0.5126
 Epoch 403/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_103:
 0.5161 - val_loss: 0.8053 - val_auc_103: 0.5049
 Epoch 404/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7936 - auc_103:
 0.5158 - val_loss: 0.7273 - val_auc_103: 0.5154
 Epoch 405/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8078 - auc_103:
 0.5151 - val_loss: 0.8251 - val_auc_103: 0.5109
 Epoch 406/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8216 - auc_103:
 0.5167 - val_loss: 0.7759 - val_auc_103: 0.5069
 Epoch 407/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_103:
 0.5164 - val_loss: 0.8243 - val_auc_103: 0.5103
 Epoch 408/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_103:
 0.5144 - val_loss: 0.7211 - val_auc_103: 0.5141
 Epoch 409/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8119 - auc_103:
 0.5157 - val_loss: 0.7346 - val_auc_103: 0.5052
 Epoch 410/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7689 - auc_103:
 0.5168 - val_loss: 0.8508 - val_auc_103: 0.5106
 Epoch 411/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7890 - auc_103:
 0.5183 - val_loss: 0.7377 - val_auc_103: 0.5071
 Epoch 412/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_103:
 0.5179 - val_loss: 0.8636 - val_auc_103: 0.5174
 Epoch 413/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_103:
 0.5134 - val_loss: 0.7718 - val_auc_103: 0.5088
 Epoch 414/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7703 - auc_103:
 0.5153 - val_loss: 0.8725 - val_auc_103: 0.5152
 Epoch 415/700

267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_103:
0.5142 - val_loss: 0.8543 - val_auc_103: 0.5033
Epoch 416/700
267/267 [=====] - 1s 3ms/step - loss: 0.7508 - auc_103:
0.5193 - val_loss: 0.8194 - val_auc_103: 0.5111
Epoch 417/700
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_103:
0.5163 - val_loss: 0.7929 - val_auc_103: 0.5136
Epoch 418/700
267/267 [=====] - 1s 3ms/step - loss: 0.8067 - auc_103:
0.5151 - val_loss: 0.7570 - val_auc_103: 0.5134
Epoch 419/700
267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_103:
0.5158 - val_loss: 0.7376 - val_auc_103: 0.5076
Epoch 420/700
267/267 [=====] - 1s 3ms/step - loss: 0.7681 - auc_103:
0.5178 - val_loss: 0.8533 - val_auc_103: 0.5145
Epoch 421/700
267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_103:
0.5176 - val_loss: 0.7474 - val_auc_103: 0.5131
Epoch 422/700
267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_103:
0.5149 - val_loss: 0.7429 - val_auc_103: 0.5097
Epoch 423/700
267/267 [=====] - 1s 3ms/step - loss: 0.7566 - auc_103:
0.5182 - val_loss: 0.8060 - val_auc_103: 0.5116
Epoch 424/700
267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_103:
0.5136 - val_loss: 0.7600 - val_auc_103: 0.5138
Epoch 425/700
267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_103:
0.5153 - val_loss: 0.7540 - val_auc_103: 0.5153
Epoch 426/700
267/267 [=====] - 1s 3ms/step - loss: 0.7667 - auc_103:
0.5153 - val_loss: 0.8023 - val_auc_103: 0.5063
Epoch 427/700
267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_103:
0.5156 - val_loss: 1.0278 - val_auc_103: 0.5079
Epoch 428/700
267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_103:
0.5159 - val_loss: 0.7547 - val_auc_103: 0.5084
Epoch 429/700
267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_103:
0.5152 - val_loss: 0.7461 - val_auc_103: 0.5099
Epoch 430/700
267/267 [=====] - 1s 3ms/step - loss: 0.8035 - auc_103:
0.5148 - val_loss: 0.7329 - val_auc_103: 0.5152
Epoch 431/700

267/267 [=====] - 1s 3ms/step - loss: 0.7511 - auc_103:
 0.5163 - val_loss: 0.7474 - val_auc_103: 0.5123
 Epoch 432/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_103:
 0.5175 - val_loss: 0.8193 - val_auc_103: 0.5070
 Epoch 433/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_103:
 0.5149 - val_loss: 1.1103 - val_auc_103: 0.5067
 Epoch 434/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_103:
 0.5181 - val_loss: 0.8961 - val_auc_103: 0.5145
 Epoch 435/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_103:
 0.5159 - val_loss: 0.7299 - val_auc_103: 0.5168
 Epoch 436/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_103:
 0.5172 - val_loss: 0.7900 - val_auc_103: 0.5063
 Epoch 437/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7919 - auc_103:
 0.5127 - val_loss: 0.7723 - val_auc_103: 0.5042
 Epoch 438/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_103:
 0.5161 - val_loss: 0.7403 - val_auc_103: 0.5150
 Epoch 439/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_103:
 0.5167 - val_loss: 0.7241 - val_auc_103: 0.5113
 Epoch 440/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_103:
 0.5146 - val_loss: 0.8417 - val_auc_103: 0.5124
 Epoch 441/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_103:
 0.5145 - val_loss: 0.7751 - val_auc_103: 0.5166
 Epoch 442/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7646 - auc_103:
 0.5195 - val_loss: 0.9097 - val_auc_103: 0.5018
 Epoch 443/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_103:
 0.5202 - val_loss: 0.7350 - val_auc_103: 0.5153
 Epoch 444/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_103:
 0.5156 - val_loss: 0.7471 - val_auc_103: 0.5143
 Epoch 445/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_103:
 0.5138 - val_loss: 0.7398 - val_auc_103: 0.5128
 Epoch 446/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_103:
 0.5165 - val_loss: 0.8238 - val_auc_103: 0.5110
 Epoch 447/700

267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_103:
0.5185 - val_loss: 0.7827 - val_auc_103: 0.5197
Epoch 448/700
267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_103:
0.5160 - val_loss: 0.7118 - val_auc_103: 0.5151
Epoch 449/700
267/267 [=====] - 1s 3ms/step - loss: 0.7932 - auc_103:
0.5172 - val_loss: 1.0237 - val_auc_103: 0.5121
Epoch 450/700
267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_103:
0.5167 - val_loss: 0.9081 - val_auc_103: 0.5153
Epoch 451/700
267/267 [=====] - 1s 3ms/step - loss: 0.7702 - auc_103:
0.5169 - val_loss: 0.7469 - val_auc_103: 0.5064
Epoch 452/700
267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_103:
0.5145 - val_loss: 0.7644 - val_auc_103: 0.5107
Epoch 453/700
267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_103:
0.5149 - val_loss: 0.8129 - val_auc_103: 0.5162
Epoch 454/700
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_103:
0.5158 - val_loss: 0.8648 - val_auc_103: 0.5112
Epoch 455/700
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_103:
0.5181 - val_loss: 0.7032 - val_auc_103: 0.5171
Epoch 456/700
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_103:
0.5157 - val_loss: 0.7510 - val_auc_103: 0.5118
Epoch 457/700
267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_103:
0.5154 - val_loss: 0.7743 - val_auc_103: 0.5131
Epoch 458/700
267/267 [=====] - 1s 3ms/step - loss: 0.7871 - auc_103:
0.5177 - val_loss: 0.7365 - val_auc_103: 0.5192
Epoch 459/700
267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_103:
0.5219 - val_loss: 0.7546 - val_auc_103: 0.5125
Epoch 460/700
267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_103:
0.5168 - val_loss: 0.7774 - val_auc_103: 0.5120
Epoch 461/700
267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_103:
0.5164 - val_loss: 0.7590 - val_auc_103: 0.5091
Epoch 462/700
267/267 [=====] - 1s 3ms/step - loss: 0.7678 - auc_103:
0.5131 - val_loss: 0.8014 - val_auc_103: 0.5171
Epoch 463/700

267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_103:
 0.5155 - val_loss: 0.8260 - val_auc_103: 0.5078
 Epoch 464/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_103:
 0.5176 - val_loss: 0.7508 - val_auc_103: 0.5151
 Epoch 465/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7836 - auc_103:
 0.5161 - val_loss: 0.8229 - val_auc_103: 0.5109
 Epoch 466/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_103:
 0.5165 - val_loss: 0.7858 - val_auc_103: 0.5131
 Epoch 467/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8018 - auc_103:
 0.5157 - val_loss: 0.7799 - val_auc_103: 0.5151
 Epoch 468/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_103:
 0.5189 - val_loss: 0.8987 - val_auc_103: 0.5167
 Epoch 469/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_103:
 0.5130 - val_loss: 0.7789 - val_auc_103: 0.5094
 Epoch 470/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7765 - auc_103:
 0.5161 - val_loss: 0.9466 - val_auc_103: 0.5140
 Epoch 471/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_103:
 0.5179 - val_loss: 0.7507 - val_auc_103: 0.5104
 Epoch 472/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7643 - auc_103:
 0.5186 - val_loss: 0.7692 - val_auc_103: 0.5091
 Epoch 473/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_103:
 0.5144 - val_loss: 0.8159 - val_auc_103: 0.5094
 Epoch 474/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_103:
 0.5158 - val_loss: 0.7953 - val_auc_103: 0.5144
 Epoch 475/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8089 - auc_103:
 0.5173 - val_loss: 0.7491 - val_auc_103: 0.5103
 Epoch 476/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_103:
 0.5174 - val_loss: 0.7436 - val_auc_103: 0.5094
 Epoch 477/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7651 - auc_103:
 0.5175 - val_loss: 0.7968 - val_auc_103: 0.5153
 Epoch 478/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8219 - auc_103:
 0.5161 - val_loss: 0.8361 - val_auc_103: 0.5086
 Epoch 479/700

267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_103:
 0.5162 - val_loss: 0.7202 - val_auc_103: 0.5125
 Epoch 480/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_103:
 0.5154 - val_loss: 0.8319 - val_auc_103: 0.5087
 Epoch 481/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_103:
 0.5174 - val_loss: 0.8338 - val_auc_103: 0.5099
 Epoch 482/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_103:
 0.5158 - val_loss: 0.7784 - val_auc_103: 0.5112
 Epoch 483/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_103:
 0.5166 - val_loss: 0.7252 - val_auc_103: 0.5151
 Epoch 484/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7611 - auc_103:
 0.5164 - val_loss: 0.8193 - val_auc_103: 0.5099
 Epoch 485/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_103:
 0.5181 - val_loss: 0.8750 - val_auc_103: 0.5107
 Epoch 486/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_103:
 0.5173 - val_loss: 0.7786 - val_auc_103: 0.5135
 Epoch 487/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_103:
 0.5162 - val_loss: 0.8257 - val_auc_103: 0.5131
 Epoch 488/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7731 - auc_103:
 0.5169 - val_loss: 0.7318 - val_auc_103: 0.5148
 Epoch 489/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7962 - auc_103:
 0.5169 - val_loss: 0.7915 - val_auc_103: 0.5167
 Epoch 490/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7680 - auc_103:
 0.5183 - val_loss: 0.7443 - val_auc_103: 0.5091
 Epoch 491/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_103:
 0.5183 - val_loss: 0.7291 - val_auc_103: 0.5139
 Epoch 492/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7798 - auc_103:
 0.5149 - val_loss: 0.7560 - val_auc_103: 0.5193
 Epoch 493/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7687 - auc_103:
 0.5169 - val_loss: 0.7587 - val_auc_103: 0.5128
 Epoch 494/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_103:
 0.5151 - val_loss: 0.7269 - val_auc_103: 0.5083
 Epoch 495/700

267/267 [=====] - 1s 3ms/step - loss: 0.7973 - auc_103:
 0.5169 - val_loss: 0.7685 - val_auc_103: 0.5128
 Epoch 496/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_103:
 0.5180 - val_loss: 0.7411 - val_auc_103: 0.5126
 Epoch 497/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7673 - auc_103:
 0.5178 - val_loss: 0.7723 - val_auc_103: 0.5082
 Epoch 498/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8047 - auc_103:
 0.5179 - val_loss: 0.7619 - val_auc_103: 0.5147
 Epoch 499/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_103:
 0.5185 - val_loss: 0.8061 - val_auc_103: 0.5099
 Epoch 500/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7895 - auc_103:
 0.5184 - val_loss: 0.7447 - val_auc_103: 0.5139
 Epoch 501/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8059 - auc_103:
 0.5177 - val_loss: 0.8334 - val_auc_103: 0.5123
 Epoch 502/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7699 - auc_103:
 0.5173 - val_loss: 0.7617 - val_auc_103: 0.5020
 Epoch 503/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_103:
 0.5197 - val_loss: 0.7251 - val_auc_103: 0.5093
 Epoch 504/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_103:
 0.5183 - val_loss: 0.8025 - val_auc_103: 0.5092
 Epoch 505/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_103:
 0.5163 - val_loss: 0.7522 - val_auc_103: 0.5124
 Epoch 506/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_103:
 0.5183 - val_loss: 0.7662 - val_auc_103: 0.5146
 Epoch 507/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7919 - auc_103:
 0.5151 - val_loss: 0.8441 - val_auc_103: 0.5147
 Epoch 508/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_103:
 0.5170 - val_loss: 0.7387 - val_auc_103: 0.5166
 Epoch 509/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_103:
 0.5179 - val_loss: 0.7947 - val_auc_103: 0.5124
 Epoch 510/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_103:
 0.5144 - val_loss: 0.8316 - val_auc_103: 0.5100
 Epoch 511/700

267/267 [=====] - 1s 3ms/step - loss: 0.7636 - auc_103:
0.5187 - val_loss: 0.8107 - val_auc_103: 0.5084
Epoch 512/700
267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_103:
0.5193 - val_loss: 0.7994 - val_auc_103: 0.5142
Epoch 513/700
267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_103:
0.5163 - val_loss: 0.7299 - val_auc_103: 0.5076
Epoch 514/700
267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_103:
0.5173 - val_loss: 0.8956 - val_auc_103: 0.5099
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_103:
0.5159 - val_loss: 0.7826 - val_auc_103: 0.5023
Epoch 516/700
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_103:
0.5156 - val_loss: 0.7520 - val_auc_103: 0.5093
Epoch 517/700
267/267 [=====] - 1s 3ms/step - loss: 0.7644 - auc_103:
0.5170 - val_loss: 0.7786 - val_auc_103: 0.5140
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 0.8060 - auc_103:
0.5160 - val_loss: 0.7991 - val_auc_103: 0.5135
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_103:
0.5186 - val_loss: 0.7570 - val_auc_103: 0.5165
Epoch 520/700
267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_103:
0.5182 - val_loss: 0.7776 - val_auc_103: 0.5069
Epoch 521/700
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_103:
0.5168 - val_loss: 0.8076 - val_auc_103: 0.5178
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_103:
0.5154 - val_loss: 0.7154 - val_auc_103: 0.5110
Epoch 523/700
267/267 [=====] - 1s 3ms/step - loss: 0.7994 - auc_103:
0.5151 - val_loss: 0.9651 - val_auc_103: 0.5096
Epoch 524/700
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_103:
0.5173 - val_loss: 0.7383 - val_auc_103: 0.5209
Epoch 525/700
267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_103:
0.5175 - val_loss: 0.7577 - val_auc_103: 0.5116
Epoch 526/700
267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_103:
0.5174 - val_loss: 0.8262 - val_auc_103: 0.5097
Epoch 527/700

267/267 [=====] - 1s 3ms/step - loss: 0.7990 - auc_103:
 0.5174 - val_loss: 0.7457 - val_auc_103: 0.5152
 Epoch 528/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7650 - auc_103:
 0.5156 - val_loss: 0.8336 - val_auc_103: 0.5130
 Epoch 529/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_103:
 0.5168 - val_loss: 0.8942 - val_auc_103: 0.5077
 Epoch 530/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_103:
 0.5144 - val_loss: 0.7861 - val_auc_103: 0.5176
 Epoch 531/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_103:
 0.5167 - val_loss: 0.8333 - val_auc_103: 0.5129
 Epoch 532/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_103:
 0.5199 - val_loss: 0.8482 - val_auc_103: 0.5182
 Epoch 533/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7569 - auc_103:
 0.5170 - val_loss: 0.8297 - val_auc_103: 0.5151
 Epoch 534/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_103:
 0.5184 - val_loss: 0.7647 - val_auc_103: 0.5158
 Epoch 535/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_103:
 0.5177 - val_loss: 0.8271 - val_auc_103: 0.5115
 Epoch 536/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_103:
 0.5148 - val_loss: 0.7975 - val_auc_103: 0.5042
 Epoch 537/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_103:
 0.5153 - val_loss: 0.7356 - val_auc_103: 0.5173
 Epoch 538/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_103:
 0.5167 - val_loss: 0.8622 - val_auc_103: 0.5117
 Epoch 539/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_103:
 0.5174 - val_loss: 0.8484 - val_auc_103: 0.5150
 Epoch 540/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_103:
 0.5151 - val_loss: 0.7923 - val_auc_103: 0.5148
 Epoch 541/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_103:
 0.5160 - val_loss: 0.7344 - val_auc_103: 0.5094
 Epoch 542/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7597 - auc_103:
 0.5207 - val_loss: 0.7865 - val_auc_103: 0.5186
 Epoch 543/700

267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_103:
0.5161 - val_loss: 0.7153 - val_auc_103: 0.5148
Epoch 544/700
267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_103:
0.5148 - val_loss: 0.8763 - val_auc_103: 0.5127
Epoch 545/700
267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_103:
0.5188 - val_loss: 0.8280 - val_auc_103: 0.5128
Epoch 546/700
267/267 [=====] - 1s 3ms/step - loss: 0.7707 - auc_103:
0.5158 - val_loss: 0.7723 - val_auc_103: 0.5158
Epoch 547/700
267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_103:
0.5157 - val_loss: 0.8396 - val_auc_103: 0.5097
Epoch 548/700
267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_103:
0.5151 - val_loss: 0.7098 - val_auc_103: 0.5200
Epoch 549/700
267/267 [=====] - 1s 3ms/step - loss: 0.7673 - auc_103:
0.5168 - val_loss: 0.7846 - val_auc_103: 0.5138
Epoch 550/700
267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_103:
0.5175 - val_loss: 0.7202 - val_auc_103: 0.5168
Epoch 551/700
267/267 [=====] - 1s 3ms/step - loss: 0.7656 - auc_103:
0.5161 - val_loss: 0.7603 - val_auc_103: 0.5117
Epoch 552/700
267/267 [=====] - 1s 3ms/step - loss: 0.7685 - auc_103:
0.5162 - val_loss: 0.7302 - val_auc_103: 0.5134
Epoch 553/700
267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_103:
0.5184 - val_loss: 0.8094 - val_auc_103: 0.5147
Epoch 554/700
267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_103:
0.5175 - val_loss: 0.7446 - val_auc_103: 0.5157
Epoch 555/700
267/267 [=====] - 1s 3ms/step - loss: 0.7765 - auc_103:
0.5190 - val_loss: 0.7511 - val_auc_103: 0.5125
Epoch 556/700
267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_103:
0.5135 - val_loss: 0.7800 - val_auc_103: 0.5149
Epoch 557/700
267/267 [=====] - 1s 3ms/step - loss: 0.7711 - auc_103:
0.5191 - val_loss: 0.7837 - val_auc_103: 0.5161
Epoch 558/700
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_103:
0.5163 - val_loss: 0.8089 - val_auc_103: 0.5154
Epoch 559/700

267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_103:
 0.5167 - val_loss: 0.7614 - val_auc_103: 0.5159
 Epoch 560/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7806 - auc_103:
 0.5172 - val_loss: 0.7683 - val_auc_103: 0.5137
 Epoch 561/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7977 - auc_103:
 0.5162 - val_loss: 0.7534 - val_auc_103: 0.5166
 Epoch 562/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_103:
 0.5184 - val_loss: 0.7355 - val_auc_103: 0.5137
 Epoch 563/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_103:
 0.5186 - val_loss: 0.7924 - val_auc_103: 0.5125
 Epoch 564/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_103:
 0.5171 - val_loss: 0.7629 - val_auc_103: 0.5094
 Epoch 565/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_103:
 0.5147 - val_loss: 0.7607 - val_auc_103: 0.5127
 Epoch 566/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7900 - auc_103:
 0.5172 - val_loss: 0.8611 - val_auc_103: 0.5187
 Epoch 567/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_103:
 0.5175 - val_loss: 0.7504 - val_auc_103: 0.5169
 Epoch 568/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_103:
 0.5182 - val_loss: 0.9408 - val_auc_103: 0.5078
 Epoch 569/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_103:
 0.5180 - val_loss: 0.9560 - val_auc_103: 0.5160
 Epoch 570/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_103:
 0.5151 - val_loss: 0.8481 - val_auc_103: 0.5177
 Epoch 571/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8106 - auc_103:
 0.5165 - val_loss: 0.7489 - val_auc_103: 0.5156
 Epoch 572/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_103:
 0.5165 - val_loss: 0.7571 - val_auc_103: 0.5166
 Epoch 573/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_103:
 0.5186 - val_loss: 0.9440 - val_auc_103: 0.5071
 Epoch 574/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_103:
 0.5205 - val_loss: 0.7791 - val_auc_103: 0.5118
 Epoch 575/700

267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_103:
 0.5161 - val_loss: 0.7748 - val_auc_103: 0.5063
 Epoch 576/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_103:
 0.5189 - val_loss: 0.7619 - val_auc_103: 0.5101
 Epoch 577/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_103:
 0.5172 - val_loss: 0.7181 - val_auc_103: 0.5152
 Epoch 578/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7929 - auc_103:
 0.5174 - val_loss: 0.8240 - val_auc_103: 0.5143
 Epoch 579/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_103:
 0.5185 - val_loss: 0.7894 - val_auc_103: 0.5159
 Epoch 580/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7836 - auc_103:
 0.5156 - val_loss: 0.7994 - val_auc_103: 0.5163
 Epoch 581/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_103:
 0.5176 - val_loss: 0.7512 - val_auc_103: 0.5190
 Epoch 582/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_103:
 0.5134 - val_loss: 0.8436 - val_auc_103: 0.5039
 Epoch 583/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_103:
 0.5167 - val_loss: 0.8446 - val_auc_103: 0.5100
 Epoch 584/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8054 - auc_103:
 0.5137 - val_loss: 0.7212 - val_auc_103: 0.5139
 Epoch 585/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8045 - auc_103:
 0.5152 - val_loss: 0.7494 - val_auc_103: 0.5173
 Epoch 586/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7703 - auc_103:
 0.5182 - val_loss: 0.8222 - val_auc_103: 0.5167
 Epoch 587/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_103:
 0.5174 - val_loss: 0.7556 - val_auc_103: 0.5045
 Epoch 588/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_103:
 0.5154 - val_loss: 0.7804 - val_auc_103: 0.5104
 Epoch 589/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_103:
 0.5162 - val_loss: 0.7379 - val_auc_103: 0.5116
 Epoch 590/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_103:
 0.5178 - val_loss: 0.8373 - val_auc_103: 0.5112
 Epoch 591/700

267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_103:
0.5185 - val_loss: 0.7718 - val_auc_103: 0.5168
Epoch 592/700
267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_103:
0.5188 - val_loss: 0.8074 - val_auc_103: 0.5133
Epoch 593/700
267/267 [=====] - 1s 3ms/step - loss: 0.8007 - auc_103:
0.5182 - val_loss: 0.7472 - val_auc_103: 0.5139
Epoch 594/700
267/267 [=====] - 1s 3ms/step - loss: 0.7704 - auc_103:
0.5191 - val_loss: 0.7132 - val_auc_103: 0.5184
Epoch 595/700
267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_103:
0.5187 - val_loss: 0.7207 - val_auc_103: 0.5180
Epoch 596/700
267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_103:
0.5185 - val_loss: 0.7296 - val_auc_103: 0.5111
Epoch 597/700
267/267 [=====] - 1s 3ms/step - loss: 0.7697 - auc_103:
0.5164 - val_loss: 0.7757 - val_auc_103: 0.5115
Epoch 598/700
267/267 [=====] - 1s 3ms/step - loss: 0.7665 - auc_103:
0.5199 - val_loss: 0.7293 - val_auc_103: 0.5158
Epoch 599/700
267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_103:
0.5181 - val_loss: 0.8152 - val_auc_103: 0.5140
Epoch 600/700
267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_103:
0.5197 - val_loss: 0.7714 - val_auc_103: 0.5109
Epoch 601/700
267/267 [=====] - 1s 3ms/step - loss: 0.7938 - auc_103:
0.5163 - val_loss: 0.9333 - val_auc_103: 0.5172
Epoch 602/700
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_103:
0.5180 - val_loss: 0.9212 - val_auc_103: 0.5160
Epoch 603/700
267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_103:
0.5191 - val_loss: 0.8345 - val_auc_103: 0.5124
Epoch 604/700
267/267 [=====] - 1s 3ms/step - loss: 0.7661 - auc_103:
0.5186 - val_loss: 0.7438 - val_auc_103: 0.5118
Epoch 605/700
267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_103:
0.5189 - val_loss: 0.7275 - val_auc_103: 0.5031
Epoch 606/700
267/267 [=====] - 1s 3ms/step - loss: 0.7647 - auc_103:
0.5194 - val_loss: 0.7207 - val_auc_103: 0.5124
Epoch 607/700

267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_103:
 0.5174 - val_loss: 0.8450 - val_auc_103: 0.5085
 Epoch 608/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7679 - auc_103:
 0.5148 - val_loss: 0.8116 - val_auc_103: 0.5161
 Epoch 609/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7987 - auc_103:
 0.5164 - val_loss: 0.7974 - val_auc_103: 0.5167
 Epoch 610/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_103:
 0.5150 - val_loss: 0.7892 - val_auc_103: 0.5162
 Epoch 611/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8150 - auc_103:
 0.5192 - val_loss: 0.8176 - val_auc_103: 0.5127
 Epoch 612/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_103:
 0.5195 - val_loss: 0.7225 - val_auc_103: 0.5154
 Epoch 613/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_103:
 0.5186 - val_loss: 0.7176 - val_auc_103: 0.5130
 Epoch 614/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7656 - auc_103:
 0.5163 - val_loss: 0.7131 - val_auc_103: 0.5109
 Epoch 615/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7773 - auc_103:
 0.5161 - val_loss: 0.7970 - val_auc_103: 0.5110
 Epoch 616/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_103:
 0.5156 - val_loss: 0.7670 - val_auc_103: 0.5115
 Epoch 617/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_103:
 0.5179 - val_loss: 0.7654 - val_auc_103: 0.5152
 Epoch 618/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7937 - auc_103:
 0.5156 - val_loss: 0.9203 - val_auc_103: 0.5148
 Epoch 619/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7599 - auc_103:
 0.5187 - val_loss: 0.7741 - val_auc_103: 0.5145
 Epoch 620/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_103:
 0.5143 - val_loss: 0.7695 - val_auc_103: 0.5160
 Epoch 621/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_103:
 0.5162 - val_loss: 0.7102 - val_auc_103: 0.5168
 Epoch 622/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7552 - auc_103:
 0.5161 - val_loss: 0.7332 - val_auc_103: 0.5176
 Epoch 623/700

267/267 [=====] - 1s 3ms/step - loss: 0.7675 - auc_103:
0.5170 - val_loss: 0.7816 - val_auc_103: 0.5085
Epoch 624/700
267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_103:
0.5202 - val_loss: 0.7595 - val_auc_103: 0.5174
Epoch 625/700
267/267 [=====] - 1s 3ms/step - loss: 0.7640 - auc_103:
0.5192 - val_loss: 0.7861 - val_auc_103: 0.5130
Epoch 626/700
267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_103:
0.5208 - val_loss: 0.7628 - val_auc_103: 0.5141
Epoch 627/700
267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_103:
0.5200 - val_loss: 0.7458 - val_auc_103: 0.5028
Epoch 628/700
267/267 [=====] - 1s 3ms/step - loss: 0.7597 - auc_103:
0.5177 - val_loss: 0.7340 - val_auc_103: 0.5148
Epoch 629/700
267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_103:
0.5184 - val_loss: 0.7521 - val_auc_103: 0.5161
Epoch 630/700
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_103:
0.5174 - val_loss: 0.7516 - val_auc_103: 0.5145
Epoch 631/700
267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_103:
0.5151 - val_loss: 1.0031 - val_auc_103: 0.5214
Epoch 632/700
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_103:
0.5193 - val_loss: 0.7514 - val_auc_103: 0.5138
Epoch 633/700
267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_103:
0.5176 - val_loss: 0.8287 - val_auc_103: 0.5098
Epoch 634/700
267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_103:
0.5137 - val_loss: 0.8058 - val_auc_103: 0.5130
Epoch 635/700
267/267 [=====] - 1s 3ms/step - loss: 0.7968 - auc_103:
0.5177 - val_loss: 0.8091 - val_auc_103: 0.5098
Epoch 636/700
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_103:
0.5186 - val_loss: 0.7281 - val_auc_103: 0.5220
Epoch 637/700
267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_103:
0.5172 - val_loss: 0.7779 - val_auc_103: 0.5136
Epoch 638/700
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_103:
0.5172 - val_loss: 0.7845 - val_auc_103: 0.5196
Epoch 639/700

267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_103:
 0.5165 - val_loss: 0.8588 - val_auc_103: 0.5136
 Epoch 640/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7711 - auc_103:
 0.5148 - val_loss: 0.7370 - val_auc_103: 0.5096
 Epoch 641/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_103:
 0.5172 - val_loss: 0.7514 - val_auc_103: 0.5157
 Epoch 642/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7698 - auc_103:
 0.5182 - val_loss: 0.9372 - val_auc_103: 0.5098
 Epoch 643/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_103:
 0.5166 - val_loss: 0.8417 - val_auc_103: 0.5196
 Epoch 644/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7685 - auc_103:
 0.5159 - val_loss: 0.8150 - val_auc_103: 0.5182
 Epoch 645/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_103:
 0.5181 - val_loss: 0.7600 - val_auc_103: 0.5074
 Epoch 646/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_103:
 0.5163 - val_loss: 0.8346 - val_auc_103: 0.5060
 Epoch 647/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_103:
 0.5185 - val_loss: 0.9515 - val_auc_103: 0.5093
 Epoch 648/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7992 - auc_103:
 0.5163 - val_loss: 0.7932 - val_auc_103: 0.5119
 Epoch 649/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_103:
 0.5157 - val_loss: 0.7229 - val_auc_103: 0.5195
 Epoch 650/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7740 - auc_103:
 0.5149 - val_loss: 0.9180 - val_auc_103: 0.5139
 Epoch 651/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7669 - auc_103:
 0.5195 - val_loss: 0.7574 - val_auc_103: 0.5198
 Epoch 652/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_103:
 0.5192 - val_loss: 0.7622 - val_auc_103: 0.5110
 Epoch 653/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7846 - auc_103:
 0.5192 - val_loss: 0.9312 - val_auc_103: 0.5113
 Epoch 654/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7899 - auc_103:
 0.5190 - val_loss: 0.7550 - val_auc_103: 0.5201
 Epoch 655/700

267/267 [=====] - 1s 3ms/step - loss: 0.7647 - auc_103:
 0.5164 - val_loss: 0.7376 - val_auc_103: 0.5121
 Epoch 656/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7705 - auc_103:
 0.5162 - val_loss: 0.8045 - val_auc_103: 0.5151
 Epoch 657/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7694 - auc_103:
 0.5182 - val_loss: 0.7789 - val_auc_103: 0.5192
 Epoch 658/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_103:
 0.5170 - val_loss: 1.0221 - val_auc_103: 0.5170
 Epoch 659/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_103:
 0.5196 - val_loss: 0.8841 - val_auc_103: 0.5154
 Epoch 660/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_103:
 0.5169 - val_loss: 0.7277 - val_auc_103: 0.5150
 Epoch 661/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_103:
 0.5174 - val_loss: 0.7868 - val_auc_103: 0.5081
 Epoch 662/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7686 - auc_103:
 0.5168 - val_loss: 0.8174 - val_auc_103: 0.5179
 Epoch 663/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_103:
 0.5198 - val_loss: 0.8706 - val_auc_103: 0.5167
 Epoch 664/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8159 - auc_103:
 0.5179 - val_loss: 0.7947 - val_auc_103: 0.5153
 Epoch 665/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_103:
 0.5192 - val_loss: 0.7573 - val_auc_103: 0.5045
 Epoch 666/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_103:
 0.5155 - val_loss: 0.7703 - val_auc_103: 0.5095
 Epoch 667/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_103:
 0.5187 - val_loss: 0.7614 - val_auc_103: 0.5038
 Epoch 668/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7994 - auc_103:
 0.5176 - val_loss: 0.7279 - val_auc_103: 0.5185
 Epoch 669/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7666 - auc_103:
 0.5196 - val_loss: 0.7714 - val_auc_103: 0.5142
 Epoch 670/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_103:
 0.5169 - val_loss: 0.7589 - val_auc_103: 0.5172
 Epoch 671/700

267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_103:
0.5194 - val_loss: 0.7791 - val_auc_103: 0.5109
Epoch 672/700
267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_103:
0.5171 - val_loss: 0.7543 - val_auc_103: 0.5076
Epoch 673/700
267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_103:
0.5169 - val_loss: 0.7130 - val_auc_103: 0.5153
Epoch 674/700
267/267 [=====] - 1s 3ms/step - loss: 0.7976 - auc_103:
0.5153 - val_loss: 0.8156 - val_auc_103: 0.5107
Epoch 675/700
267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_103:
0.5224 - val_loss: 0.7457 - val_auc_103: 0.5129
Epoch 676/700
267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_103:
0.5197 - val_loss: 0.7654 - val_auc_103: 0.5155
Epoch 677/700
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_103:
0.5176 - val_loss: 0.7155 - val_auc_103: 0.5180
Epoch 678/700
267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_103:
0.5167 - val_loss: 0.7763 - val_auc_103: 0.5132
Epoch 679/700
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_103:
0.5181 - val_loss: 0.7652 - val_auc_103: 0.5155
Epoch 680/700
267/267 [=====] - 1s 3ms/step - loss: 0.7634 - auc_103:
0.5187 - val_loss: 0.7487 - val_auc_103: 0.5176
Epoch 681/700
267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_103:
0.5209 - val_loss: 0.7809 - val_auc_103: 0.5149
Epoch 682/700
267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_103:
0.5187 - val_loss: 0.7325 - val_auc_103: 0.5120
Epoch 683/700
267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_103:
0.5186 - val_loss: 0.7421 - val_auc_103: 0.5128
Epoch 684/700
267/267 [=====] - 1s 3ms/step - loss: 0.7976 - auc_103:
0.5190 - val_loss: 0.7778 - val_auc_103: 0.5155
Epoch 685/700
267/267 [=====] - 1s 3ms/step - loss: 0.7651 - auc_103:
0.5191 - val_loss: 0.8003 - val_auc_103: 0.5142
Epoch 686/700
267/267 [=====] - 1s 3ms/step - loss: 0.8171 - auc_103:
0.5182 - val_loss: 0.7275 - val_auc_103: 0.5145
Epoch 687/700

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267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_103:
0.5193 - val_loss: 0.8148 - val_auc_103: 0.5056
Epoch 688/700
267/267 [=====] - 1s 3ms/step - loss: 0.8095 - auc_103:
0.5182 - val_loss: 0.7625 - val_auc_103: 0.5193
Epoch 689/700
267/267 [=====] - 1s 3ms/step - loss: 0.7980 - auc_103:
0.5182 - val_loss: 0.8580 - val_auc_103: 0.5171
Epoch 690/700
267/267 [=====] - 1s 3ms/step - loss: 0.7751 - auc_103:
0.5176 - val_loss: 0.7687 - val_auc_103: 0.5147
Epoch 691/700
267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_103:
0.5166 - val_loss: 0.7364 - val_auc_103: 0.5067
Epoch 692/700
267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_103:
0.5193 - val_loss: 0.7848 - val_auc_103: 0.5154
Epoch 693/700
267/267 [=====] - 1s 3ms/step - loss: 0.7828 - auc_103:
0.5175 - val_loss: 0.7436 - val_auc_103: 0.5078
Epoch 694/700
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_103:
0.5180 - val_loss: 0.7891 - val_auc_103: 0.5148
Epoch 695/700
267/267 [=====] - 1s 3ms/step - loss: 0.7570 - auc_103:
0.5195 - val_loss: 0.7567 - val_auc_103: 0.5149
Epoch 696/700
267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_103:
0.5189 - val_loss: 0.7779 - val_auc_103: 0.5006
Epoch 697/700
267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_103:
0.5171 - val_loss: 0.8263 - val_auc_103: 0.5127
Epoch 698/700
267/267 [=====] - 1s 3ms/step - loss: 0.8074 - auc_103:
0.5197 - val_loss: 0.7799 - val_auc_103: 0.5150
Epoch 699/700
267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_103:
0.5206 - val_loss: 0.8264 - val_auc_103: 0.5118
Epoch 700/700
267/267 [=====] - 1s 3ms/step - loss: 0.7613 - auc_103:
0.5199 - val_loss: 0.7553 - val_auc_103: 0.5189
625/625 [=====] - 0s 567us/step
[CV] ... epochs=700, learning_rate=0.001, score=0.523, total= 9.0min
[CV] epochs=700, learning_rate=0.001 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 3.8567 - auc_104:
0.4994 - val_loss: 1.7005 - val_auc_104: 0.4962
Epoch 2/700

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267/267 [=====] - 1s 3ms/step - loss: 1.0992 - auc_104:
0.5025 - val_loss: 1.1049 - val_auc_104: 0.5000
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 0.9538 - auc_104:
0.5052 - val_loss: 1.1167 - val_auc_104: 0.5008
Epoch 4/700
267/267 [=====] - 1s 3ms/step - loss: 0.9396 - auc_104:
0.5036 - val_loss: 0.9634 - val_auc_104: 0.5016
Epoch 5/700
267/267 [=====] - 1s 3ms/step - loss: 0.9404 - auc_104:
0.5023 - val_loss: 0.9782 - val_auc_104: 0.4996
Epoch 6/700
267/267 [=====] - 1s 3ms/step - loss: 0.9209 - auc_104:
0.5044 - val_loss: 1.0103 - val_auc_104: 0.5020
Epoch 7/700
267/267 [=====] - 1s 3ms/step - loss: 0.9084 - auc_104:
0.5028 - val_loss: 0.9506 - val_auc_104: 0.5013
Epoch 8/700
267/267 [=====] - 1s 3ms/step - loss: 0.9159 - auc_104:
0.5040 - val_loss: 0.9316 - val_auc_104: 0.4978
Epoch 9/700
267/267 [=====] - 1s 3ms/step - loss: 0.8879 - auc_104:
0.5017 - val_loss: 1.0180 - val_auc_104: 0.4976
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 0.9127 - auc_104:
0.5036 - val_loss: 1.1080 - val_auc_104: 0.5001
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 0.9102 - auc_104:
0.5047 - val_loss: 0.9316 - val_auc_104: 0.4979
Epoch 12/700
267/267 [=====] - 1s 3ms/step - loss: 0.8867 - auc_104:
0.5046 - val_loss: 0.8622 - val_auc_104: 0.4996
Epoch 13/700
267/267 [=====] - 1s 3ms/step - loss: 0.8461 - auc_104:
0.5063 - val_loss: 0.8827 - val_auc_104: 0.5015
Epoch 14/700
267/267 [=====] - 1s 3ms/step - loss: 0.8623 - auc_104:
0.5067 - val_loss: 0.9522 - val_auc_104: 0.5002
Epoch 15/700
267/267 [=====] - 1s 3ms/step - loss: 0.8734 - auc_104:
0.5067 - val_loss: 0.9651 - val_auc_104: 0.5056
Epoch 16/700
267/267 [=====] - 1s 3ms/step - loss: 0.8473 - auc_104:
0.5068 - val_loss: 0.8915 - val_auc_104: 0.5017
Epoch 17/700
267/267 [=====] - 1s 3ms/step - loss: 0.8472 - auc_104:
0.5050 - val_loss: 0.9391 - val_auc_104: 0.4989
Epoch 18/700

267/267 [=====] - 1s 3ms/step - loss: 0.8386 - auc_104:
0.5051 - val_loss: 0.8493 - val_auc_104: 0.5004
Epoch 19/700
267/267 [=====] - 1s 3ms/step - loss: 0.8518 - auc_104:
0.5065 - val_loss: 0.8867 - val_auc_104: 0.5034
Epoch 20/700
267/267 [=====] - 1s 3ms/step - loss: 0.8238 - auc_104:
0.5076 - val_loss: 0.8365 - val_auc_104: 0.5019
Epoch 21/700
267/267 [=====] - 1s 3ms/step - loss: 0.8533 - auc_104:
0.5078 - val_loss: 0.8035 - val_auc_104: 0.5027
Epoch 22/700
267/267 [=====] - 1s 3ms/step - loss: 0.8406 - auc_104:
0.5053 - val_loss: 0.8302 - val_auc_104: 0.4993
Epoch 23/700
267/267 [=====] - 1s 3ms/step - loss: 0.8199 - auc_104:
0.5076 - val_loss: 0.8214 - val_auc_104: 0.4990
Epoch 24/700
267/267 [=====] - 1s 3ms/step - loss: 0.8326 - auc_104:
0.5092 - val_loss: 0.8490 - val_auc_104: 0.4983
Epoch 25/700
267/267 [=====] - 1s 3ms/step - loss: 0.8029 - auc_104:
0.5077 - val_loss: 0.7728 - val_auc_104: 0.4995
Epoch 26/700
267/267 [=====] - 1s 3ms/step - loss: 0.8349 - auc_104:
0.5097 - val_loss: 0.9601 - val_auc_104: 0.5024
Epoch 27/700
267/267 [=====] - 1s 3ms/step - loss: 0.8136 - auc_104:
0.5066 - val_loss: 0.7648 - val_auc_104: 0.4983
Epoch 28/700
267/267 [=====] - 1s 3ms/step - loss: 0.8080 - auc_104:
0.5080 - val_loss: 0.7768 - val_auc_104: 0.4971
Epoch 29/700
267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_104:
0.5067 - val_loss: 0.7925 - val_auc_104: 0.5007
Epoch 30/700
267/267 [=====] - 1s 3ms/step - loss: 0.8089 - auc_104:
0.5089 - val_loss: 0.8029 - val_auc_104: 0.5069
Epoch 31/700
267/267 [=====] - 1s 3ms/step - loss: 0.8053 - auc_104:
0.5085 - val_loss: 0.9012 - val_auc_104: 0.5034
Epoch 32/700
267/267 [=====] - 1s 3ms/step - loss: 0.8162 - auc_104:
0.5068 - val_loss: 0.8123 - val_auc_104: 0.5037
Epoch 33/700
267/267 [=====] - 1s 3ms/step - loss: 0.8202 - auc_104:
0.5068 - val_loss: 0.8438 - val_auc_104: 0.5015
Epoch 34/700

267/267 [=====] - 1s 3ms/step - loss: 0.8070 - auc_104:
0.5098 - val_loss: 0.8686 - val_auc_104: 0.5021
Epoch 35/700
267/267 [=====] - 1s 3ms/step - loss: 0.8147 - auc_104:
0.5095 - val_loss: 0.7816 - val_auc_104: 0.5022
Epoch 36/700
267/267 [=====] - 1s 3ms/step - loss: 0.8054 - auc_104:
0.5079 - val_loss: 0.7992 - val_auc_104: 0.5018
Epoch 37/700
267/267 [=====] - 1s 3ms/step - loss: 0.8056 - auc_104:
0.5080 - val_loss: 0.7777 - val_auc_104: 0.4990
Epoch 38/700
267/267 [=====] - 1s 3ms/step - loss: 0.8008 - auc_104:
0.5081 - val_loss: 0.8099 - val_auc_104: 0.5038
Epoch 39/700
267/267 [=====] - 1s 3ms/step - loss: 0.8210 - auc_104:
0.5097 - val_loss: 0.9409 - val_auc_104: 0.5069
Epoch 40/700
267/267 [=====] - 1s 3ms/step - loss: 0.8085 - auc_104:
0.5085 - val_loss: 0.7801 - val_auc_104: 0.5003
Epoch 41/700
267/267 [=====] - 1s 3ms/step - loss: 0.7995 - auc_104:
0.5104 - val_loss: 0.8263 - val_auc_104: 0.4990
Epoch 42/700
267/267 [=====] - 1s 3ms/step - loss: 0.7961 - auc_104:
0.5109 - val_loss: 0.8228 - val_auc_104: 0.5058
Epoch 43/700
267/267 [=====] - 1s 3ms/step - loss: 0.8014 - auc_104:
0.5090 - val_loss: 0.8385 - val_auc_104: 0.5005
Epoch 44/700
267/267 [=====] - 1s 3ms/step - loss: 0.8060 - auc_104:
0.5091 - val_loss: 0.8031 - val_auc_104: 0.5012
Epoch 45/700
267/267 [=====] - 1s 3ms/step - loss: 0.8510 - auc_104:
0.5095 - val_loss: 0.7881 - val_auc_104: 0.5037
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 0.8073 - auc_104:
0.5092 - val_loss: 0.7897 - val_auc_104: 0.4979
Epoch 47/700
267/267 [=====] - 1s 3ms/step - loss: 0.7960 - auc_104:
0.5096 - val_loss: 0.7641 - val_auc_104: 0.4998
Epoch 48/700
267/267 [=====] - 1s 3ms/step - loss: 0.8090 - auc_104:
0.5076 - val_loss: 0.8152 - val_auc_104: 0.5033
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 0.8167 - auc_104:
0.5109 - val_loss: 0.8350 - val_auc_104: 0.5014
Epoch 50/700

267/267 [=====] - 1s 3ms/step - loss: 0.8102 - auc_104:
 0.5106 - val_loss: 0.8223 - val_auc_104: 0.5047
 Epoch 51/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7980 - auc_104:
 0.5090 - val_loss: 0.7782 - val_auc_104: 0.5051
 Epoch 52/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8252 - auc_104:
 0.5090 - val_loss: 0.8366 - val_auc_104: 0.5075
 Epoch 53/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8000 - auc_104:
 0.5115 - val_loss: 0.8169 - val_auc_104: 0.5002
 Epoch 54/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8017 - auc_104:
 0.5092 - val_loss: 0.8080 - val_auc_104: 0.5050
 Epoch 55/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_104:
 0.5106 - val_loss: 0.7456 - val_auc_104: 0.5033
 Epoch 56/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7646 - auc_104:
 0.5109 - val_loss: 0.7537 - val_auc_104: 0.4988
 Epoch 57/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_104:
 0.5094 - val_loss: 0.7827 - val_auc_104: 0.5012
 Epoch 58/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7874 - auc_104:
 0.5117 - val_loss: 0.7763 - val_auc_104: 0.5002
 Epoch 59/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8007 - auc_104:
 0.5096 - val_loss: 0.8559 - val_auc_104: 0.5022
 Epoch 60/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_104:
 0.5110 - val_loss: 0.7651 - val_auc_104: 0.4987
 Epoch 61/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_104:
 0.5111 - val_loss: 0.7768 - val_auc_104: 0.5012
 Epoch 62/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8037 - auc_104:
 0.5109 - val_loss: 0.7495 - val_auc_104: 0.5007
 Epoch 63/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8097 - auc_104:
 0.5102 - val_loss: 0.8976 - val_auc_104: 0.5003
 Epoch 64/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7906 - auc_104:
 0.5082 - val_loss: 0.7904 - val_auc_104: 0.4995
 Epoch 65/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_104:
 0.5106 - val_loss: 0.8699 - val_auc_104: 0.5027
 Epoch 66/700

267/267 [=====] - 1s 3ms/step - loss: 0.7981 - auc_104:
 0.5113 - val_loss: 0.8153 - val_auc_104: 0.5042
 Epoch 67/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_104:
 0.5109 - val_loss: 0.9403 - val_auc_104: 0.5010
 Epoch 68/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8007 - auc_104:
 0.5114 - val_loss: 0.8543 - val_auc_104: 0.5068
 Epoch 69/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_104:
 0.5097 - val_loss: 0.7526 - val_auc_104: 0.5020
 Epoch 70/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8155 - auc_104:
 0.5107 - val_loss: 0.7754 - val_auc_104: 0.5011
 Epoch 71/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8025 - auc_104:
 0.5124 - val_loss: 0.8286 - val_auc_104: 0.4916
 Epoch 72/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_104:
 0.5097 - val_loss: 0.7732 - val_auc_104: 0.5002
 Epoch 73/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_104:
 0.5097 - val_loss: 0.8392 - val_auc_104: 0.5048
 Epoch 74/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8199 - auc_104:
 0.5098 - val_loss: 0.8026 - val_auc_104: 0.5024
 Epoch 75/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_104:
 0.5142 - val_loss: 0.7875 - val_auc_104: 0.5050
 Epoch 76/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_104:
 0.5124 - val_loss: 0.8056 - val_auc_104: 0.5038
 Epoch 77/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8078 - auc_104:
 0.5109 - val_loss: 0.7484 - val_auc_104: 0.5029
 Epoch 78/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8000 - auc_104:
 0.5103 - val_loss: 0.7855 - val_auc_104: 0.5049
 Epoch 79/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_104:
 0.5099 - val_loss: 0.8450 - val_auc_104: 0.5024
 Epoch 80/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_104:
 0.5110 - val_loss: 0.7462 - val_auc_104: 0.5062
 Epoch 81/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_104:
 0.5115 - val_loss: 0.9233 - val_auc_104: 0.5032
 Epoch 82/700

267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_104:
0.5100 - val_loss: 0.9091 - val_auc_104: 0.5049
Epoch 83/700
267/267 [=====] - 1s 3ms/step - loss: 0.8028 - auc_104:
0.5092 - val_loss: 0.7557 - val_auc_104: 0.5047
Epoch 84/700
267/267 [=====] - 1s 3ms/step - loss: 0.8111 - auc_104:
0.5093 - val_loss: 0.7395 - val_auc_104: 0.4978
Epoch 85/700
267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_104:
0.5116 - val_loss: 0.9074 - val_auc_104: 0.5022
Epoch 86/700
267/267 [=====] - 1s 3ms/step - loss: 0.8026 - auc_104:
0.5102 - val_loss: 0.8127 - val_auc_104: 0.5042
Epoch 87/700
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_104:
0.5107 - val_loss: 0.7639 - val_auc_104: 0.5071
Epoch 88/700
267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_104:
0.5109 - val_loss: 0.7392 - val_auc_104: 0.5079
Epoch 89/700
267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_104:
0.5107 - val_loss: 0.7573 - val_auc_104: 0.5082
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 0.8037 - auc_104:
0.5082 - val_loss: 0.8379 - val_auc_104: 0.5037
Epoch 91/700
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_104:
0.5099 - val_loss: 0.7952 - val_auc_104: 0.5054
Epoch 92/700
267/267 [=====] - 1s 3ms/step - loss: 0.8113 - auc_104:
0.5104 - val_loss: 0.7347 - val_auc_104: 0.5024
Epoch 93/700
267/267 [=====] - 1s 3ms/step - loss: 0.8118 - auc_104:
0.5111 - val_loss: 0.8302 - val_auc_104: 0.5013
Epoch 94/700
267/267 [=====] - 1s 3ms/step - loss: 0.8162 - auc_104:
0.5124 - val_loss: 0.9469 - val_auc_104: 0.5062
Epoch 95/700
267/267 [=====] - 1s 3ms/step - loss: 0.8084 - auc_104:
0.5120 - val_loss: 0.8662 - val_auc_104: 0.5086
Epoch 96/700
267/267 [=====] - 1s 4ms/step - loss: 0.7977 - auc_104:
0.5132 - val_loss: 0.7500 - val_auc_104: 0.4984
Epoch 97/700
267/267 [=====] - 1s 3ms/step - loss: 0.7722 - auc_104:
0.5107 - val_loss: 0.7997 - val_auc_104: 0.5048
Epoch 98/700

267/267 [=====] - 1s 3ms/step - loss: 0.7997 - auc_104:
 0.5099 - val_loss: 0.9677 - val_auc_104: 0.5016
 Epoch 99/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8109 - auc_104:
 0.5117 - val_loss: 0.8072 - val_auc_104: 0.5064
 Epoch 100/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_104:
 0.5118 - val_loss: 0.7437 - val_auc_104: 0.5078
 Epoch 101/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_104:
 0.5122 - val_loss: 0.9247 - val_auc_104: 0.5057
 Epoch 102/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_104:
 0.5128 - val_loss: 0.8398 - val_auc_104: 0.5024
 Epoch 103/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_104:
 0.5105 - val_loss: 0.7409 - val_auc_104: 0.4999
 Epoch 104/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7687 - auc_104:
 0.5121 - val_loss: 0.7711 - val_auc_104: 0.5102
 Epoch 105/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8014 - auc_104:
 0.5104 - val_loss: 0.8842 - val_auc_104: 0.5044
 Epoch 106/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7927 - auc_104:
 0.5117 - val_loss: 0.7631 - val_auc_104: 0.5057
 Epoch 107/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8061 - auc_104:
 0.5123 - val_loss: 0.7727 - val_auc_104: 0.4983
 Epoch 108/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_104:
 0.5127 - val_loss: 0.7732 - val_auc_104: 0.5037
 Epoch 109/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7926 - auc_104:
 0.5136 - val_loss: 0.7375 - val_auc_104: 0.5062
 Epoch 110/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8263 - auc_104:
 0.5097 - val_loss: 0.7741 - val_auc_104: 0.5050
 Epoch 111/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_104:
 0.5117 - val_loss: 0.8093 - val_auc_104: 0.5064
 Epoch 112/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_104:
 0.5129 - val_loss: 0.7914 - val_auc_104: 0.5089
 Epoch 113/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_104:
 0.5122 - val_loss: 0.9154 - val_auc_104: 0.5012
 Epoch 114/700

267/267 [=====] - 1s 3ms/step - loss: 0.7927 - auc_104:
0.5102 - val_loss: 0.7937 - val_auc_104: 0.5061
Epoch 115/700
267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_104:
0.5116 - val_loss: 0.8051 - val_auc_104: 0.5136
Epoch 116/700
267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_104:
0.5120 - val_loss: 0.7563 - val_auc_104: 0.4983
Epoch 117/700
267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_104:
0.5118 - val_loss: 0.7729 - val_auc_104: 0.5041
Epoch 118/700
267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_104:
0.5129 - val_loss: 0.8135 - val_auc_104: 0.5072
Epoch 119/700
267/267 [=====] - 1s 3ms/step - loss: 0.7944 - auc_104:
0.5127 - val_loss: 0.7451 - val_auc_104: 0.5018
Epoch 120/700
267/267 [=====] - 1s 3ms/step - loss: 0.8149 - auc_104:
0.5101 - val_loss: 0.8639 - val_auc_104: 0.5074
Epoch 121/700
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_104:
0.5132 - val_loss: 0.8293 - val_auc_104: 0.5022
Epoch 122/700
267/267 [=====] - 1s 3ms/step - loss: 0.7658 - auc_104:
0.5138 - val_loss: 0.7356 - val_auc_104: 0.5091
Epoch 123/700
267/267 [=====] - 1s 3ms/step - loss: 0.8039 - auc_104:
0.5111 - val_loss: 0.9902 - val_auc_104: 0.5040
Epoch 124/700
267/267 [=====] - 1s 3ms/step - loss: 0.7996 - auc_104:
0.5124 - val_loss: 0.7818 - val_auc_104: 0.5108
Epoch 125/700
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_104:
0.5127 - val_loss: 0.7731 - val_auc_104: 0.5116
Epoch 126/700
267/267 [=====] - 1s 3ms/step - loss: 0.8113 - auc_104:
0.5130 - val_loss: 0.8837 - val_auc_104: 0.5107
Epoch 127/700
267/267 [=====] - 1s 3ms/step - loss: 0.8062 - auc_104:
0.5126 - val_loss: 0.9082 - val_auc_104: 0.5059
Epoch 128/700
267/267 [=====] - 1s 3ms/step - loss: 0.8065 - auc_104:
0.5130 - val_loss: 0.7350 - val_auc_104: 0.5011
Epoch 129/700
267/267 [=====] - 1s 3ms/step - loss: 0.7924 - auc_104:
0.5122 - val_loss: 0.9573 - val_auc_104: 0.5063
Epoch 130/700

267/267 [=====] - 1s 3ms/step - loss: 0.8128 - auc_104:
 0.5124 - val_loss: 0.8524 - val_auc_104: 0.5062
 Epoch 131/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_104:
 0.5144 - val_loss: 0.8342 - val_auc_104: 0.5099
 Epoch 132/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8031 - auc_104:
 0.5137 - val_loss: 0.8047 - val_auc_104: 0.5018
 Epoch 133/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7959 - auc_104:
 0.5115 - val_loss: 0.8565 - val_auc_104: 0.5066
 Epoch 134/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_104:
 0.5122 - val_loss: 0.9505 - val_auc_104: 0.5105
 Epoch 135/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8127 - auc_104:
 0.5110 - val_loss: 0.9496 - val_auc_104: 0.5002
 Epoch 136/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_104:
 0.5129 - val_loss: 0.8421 - val_auc_104: 0.5069
 Epoch 137/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_104:
 0.5137 - val_loss: 0.7580 - val_auc_104: 0.5058
 Epoch 138/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_104:
 0.5144 - val_loss: 0.7569 - val_auc_104: 0.5108
 Epoch 139/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_104:
 0.5143 - val_loss: 0.7440 - val_auc_104: 0.5037
 Epoch 140/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_104:
 0.5129 - val_loss: 0.8005 - val_auc_104: 0.5044
 Epoch 141/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8032 - auc_104:
 0.5122 - val_loss: 0.7513 - val_auc_104: 0.5050
 Epoch 142/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_104:
 0.5121 - val_loss: 0.8282 - val_auc_104: 0.5073
 Epoch 143/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_104:
 0.5125 - val_loss: 0.7484 - val_auc_104: 0.5058
 Epoch 144/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_104:
 0.5121 - val_loss: 0.8980 - val_auc_104: 0.5110
 Epoch 145/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7835 - auc_104:
 0.5131 - val_loss: 0.7626 - val_auc_104: 0.5021
 Epoch 146/700

267/267 [=====] - 1s 3ms/step - loss: 0.7999 - auc_104:
 0.5141 - val_loss: 0.8326 - val_auc_104: 0.5095
 Epoch 147/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_104:
 0.5129 - val_loss: 0.7980 - val_auc_104: 0.5096
 Epoch 148/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_104:
 0.5124 - val_loss: 0.8351 - val_auc_104: 0.5061
 Epoch 149/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_104:
 0.5142 - val_loss: 0.7768 - val_auc_104: 0.5016
 Epoch 150/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7738 - auc_104:
 0.5128 - val_loss: 0.8810 - val_auc_104: 0.5077
 Epoch 151/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_104:
 0.5135 - val_loss: 0.7248 - val_auc_104: 0.5056
 Epoch 152/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7960 - auc_104:
 0.5124 - val_loss: 0.7633 - val_auc_104: 0.5025
 Epoch 153/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_104:
 0.5121 - val_loss: 0.8343 - val_auc_104: 0.5050
 Epoch 154/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_104:
 0.5134 - val_loss: 0.8032 - val_auc_104: 0.5020
 Epoch 155/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_104:
 0.5117 - val_loss: 0.7769 - val_auc_104: 0.5024
 Epoch 156/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7718 - auc_104:
 0.5140 - val_loss: 0.7473 - val_auc_104: 0.5079
 Epoch 157/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_104:
 0.5114 - val_loss: 0.7734 - val_auc_104: 0.5082
 Epoch 158/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7679 - auc_104:
 0.5152 - val_loss: 0.7572 - val_auc_104: 0.5080
 Epoch 159/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_104:
 0.5111 - val_loss: 0.9443 - val_auc_104: 0.5058
 Epoch 160/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_104:
 0.5149 - val_loss: 0.7980 - val_auc_104: 0.5029
 Epoch 161/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_104:
 0.5117 - val_loss: 0.7309 - val_auc_104: 0.5045
 Epoch 162/700

267/267 [=====] - 1s 3ms/step - loss: 0.7964 - auc_104:
 0.5126 - val_loss: 0.8047 - val_auc_104: 0.5023
 Epoch 163/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_104:
 0.5122 - val_loss: 0.7567 - val_auc_104: 0.5053
 Epoch 164/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_104:
 0.5150 - val_loss: 0.7196 - val_auc_104: 0.5075
 Epoch 165/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_104:
 0.5133 - val_loss: 0.7788 - val_auc_104: 0.5107
 Epoch 166/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7626 - auc_104:
 0.5139 - val_loss: 0.8598 - val_auc_104: 0.5063
 Epoch 167/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7995 - auc_104:
 0.5122 - val_loss: 0.8525 - val_auc_104: 0.5063
 Epoch 168/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_104:
 0.5122 - val_loss: 0.7454 - val_auc_104: 0.5094
 Epoch 169/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8103 - auc_104:
 0.5128 - val_loss: 0.7234 - val_auc_104: 0.5047
 Epoch 170/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_104:
 0.5136 - val_loss: 0.7478 - val_auc_104: 0.5051
 Epoch 171/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_104:
 0.5131 - val_loss: 0.7814 - val_auc_104: 0.5091
 Epoch 172/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8028 - auc_104:
 0.5133 - val_loss: 0.8638 - val_auc_104: 0.5063
 Epoch 173/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8015 - auc_104:
 0.5160 - val_loss: 0.8532 - val_auc_104: 0.5087
 Epoch 174/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7948 - auc_104:
 0.5139 - val_loss: 0.7297 - val_auc_104: 0.5002
 Epoch 175/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7561 - auc_104:
 0.5149 - val_loss: 0.7505 - val_auc_104: 0.5104
 Epoch 176/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_104:
 0.5145 - val_loss: 0.8144 - val_auc_104: 0.5023
 Epoch 177/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7976 - auc_104:
 0.5143 - val_loss: 0.7859 - val_auc_104: 0.5122
 Epoch 178/700

267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_104:
0.5162 - val_loss: 0.7419 - val_auc_104: 0.5112
Epoch 179/700
267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_104:
0.5135 - val_loss: 0.7493 - val_auc_104: 0.5109
Epoch 180/700
267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_104:
0.5112 - val_loss: 0.8779 - val_auc_104: 0.5128
Epoch 181/700
267/267 [=====] - 1s 3ms/step - loss: 0.8259 - auc_104:
0.5128 - val_loss: 0.7962 - val_auc_104: 0.5139
Epoch 182/700
267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_104:
0.5158 - val_loss: 0.8609 - val_auc_104: 0.5068
Epoch 183/700
267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_104:
0.5139 - val_loss: 0.7341 - val_auc_104: 0.5122
Epoch 184/700
267/267 [=====] - 1s 3ms/step - loss: 0.7665 - auc_104:
0.5135 - val_loss: 0.8464 - val_auc_104: 0.5088
Epoch 185/700
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_104:
0.5154 - val_loss: 0.7520 - val_auc_104: 0.5048
Epoch 186/700
267/267 [=====] - 1s 3ms/step - loss: 0.8030 - auc_104:
0.5137 - val_loss: 0.8165 - val_auc_104: 0.5076
Epoch 187/700
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_104:
0.5149 - val_loss: 0.7339 - val_auc_104: 0.5082
Epoch 188/700
267/267 [=====] - 1s 3ms/step - loss: 0.7621 - auc_104:
0.5128 - val_loss: 0.7922 - val_auc_104: 0.5060
Epoch 189/700
267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_104:
0.5125 - val_loss: 0.7751 - val_auc_104: 0.5066
Epoch 190/700
267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_104:
0.5158 - val_loss: 0.8330 - val_auc_104: 0.5081
Epoch 191/700
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_104:
0.5170 - val_loss: 0.7530 - val_auc_104: 0.5104
Epoch 192/700
267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_104:
0.5168 - val_loss: 0.7872 - val_auc_104: 0.4998
Epoch 193/700
267/267 [=====] - 1s 3ms/step - loss: 0.7920 - auc_104:
0.5147 - val_loss: 0.8788 - val_auc_104: 0.5098
Epoch 194/700

267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_104:
 0.5132 - val_loss: 0.7611 - val_auc_104: 0.5063
 Epoch 195/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_104:
 0.5140 - val_loss: 0.7932 - val_auc_104: 0.5099
 Epoch 196/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7786 - auc_104:
 0.5162 - val_loss: 0.7572 - val_auc_104: 0.5067
 Epoch 197/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_104:
 0.5144 - val_loss: 0.7489 - val_auc_104: 0.5040
 Epoch 198/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_104:
 0.5129 - val_loss: 0.7595 - val_auc_104: 0.5091
 Epoch 199/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_104:
 0.5146 - val_loss: 0.7580 - val_auc_104: 0.5092
 Epoch 200/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7700 - auc_104:
 0.5174 - val_loss: 0.7614 - val_auc_104: 0.5118
 Epoch 201/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_104:
 0.5150 - val_loss: 0.7776 - val_auc_104: 0.5065
 Epoch 202/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_104:
 0.5138 - val_loss: 0.7717 - val_auc_104: 0.5101
 Epoch 203/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8064 - auc_104:
 0.5149 - val_loss: 0.8093 - val_auc_104: 0.5022
 Epoch 204/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7776 - auc_104:
 0.5161 - val_loss: 0.8258 - val_auc_104: 0.5050
 Epoch 205/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_104:
 0.5161 - val_loss: 0.8239 - val_auc_104: 0.5037
 Epoch 206/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_104:
 0.5147 - val_loss: 0.7752 - val_auc_104: 0.5048
 Epoch 207/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_104:
 0.5169 - val_loss: 0.8109 - val_auc_104: 0.5089
 Epoch 208/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8036 - auc_104:
 0.5154 - val_loss: 0.7632 - val_auc_104: 0.5080
 Epoch 209/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7978 - auc_104:
 0.5120 - val_loss: 0.7448 - val_auc_104: 0.5041
 Epoch 210/700

267/267 [=====] - 1s 3ms/step - loss: 0.8068 - auc_104:
 0.5144 - val_loss: 0.8010 - val_auc_104: 0.5121
 Epoch 211/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7639 - auc_104:
 0.5136 - val_loss: 0.7352 - val_auc_104: 0.5077
 Epoch 212/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_104:
 0.5146 - val_loss: 0.7736 - val_auc_104: 0.5140
 Epoch 213/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7906 - auc_104:
 0.5144 - val_loss: 0.8047 - val_auc_104: 0.5075
 Epoch 214/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7991 - auc_104:
 0.5138 - val_loss: 0.8185 - val_auc_104: 0.5073
 Epoch 215/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7892 - auc_104:
 0.5145 - val_loss: 0.7756 - val_auc_104: 0.5083
 Epoch 216/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_104:
 0.5167 - val_loss: 0.7748 - val_auc_104: 0.5026
 Epoch 217/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_104:
 0.5170 - val_loss: 0.8180 - val_auc_104: 0.5038
 Epoch 218/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7577 - auc_104:
 0.5135 - val_loss: 0.7295 - val_auc_104: 0.5112
 Epoch 219/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8107 - auc_104:
 0.5145 - val_loss: 0.8687 - val_auc_104: 0.5102
 Epoch 220/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_104:
 0.5163 - val_loss: 0.7520 - val_auc_104: 0.5047
 Epoch 221/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7512 - auc_104:
 0.5165 - val_loss: 0.7628 - val_auc_104: 0.5081
 Epoch 222/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_104:
 0.5174 - val_loss: 0.7364 - val_auc_104: 0.5105
 Epoch 223/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_104:
 0.5162 - val_loss: 0.8185 - val_auc_104: 0.5116
 Epoch 224/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_104:
 0.5149 - val_loss: 0.8363 - val_auc_104: 0.5133
 Epoch 225/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7943 - auc_104:
 0.5149 - val_loss: 0.7649 - val_auc_104: 0.5140
 Epoch 226/700

267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_104:
0.5156 - val_loss: 0.7749 - val_auc_104: 0.5064
Epoch 227/700
267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_104:
0.5137 - val_loss: 0.7443 - val_auc_104: 0.5094
Epoch 228/700
267/267 [=====] - 1s 3ms/step - loss: 0.7717 - auc_104:
0.5155 - val_loss: 0.7832 - val_auc_104: 0.5125
Epoch 229/700
267/267 [=====] - 1s 3ms/step - loss: 0.7714 - auc_104:
0.5162 - val_loss: 0.7731 - val_auc_104: 0.5063
Epoch 230/700
267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_104:
0.5148 - val_loss: 0.7688 - val_auc_104: 0.5092
Epoch 231/700
267/267 [=====] - 1s 3ms/step - loss: 0.7937 - auc_104:
0.5164 - val_loss: 0.8108 - val_auc_104: 0.4998
Epoch 232/700
267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_104:
0.5156 - val_loss: 0.8035 - val_auc_104: 0.5070
Epoch 233/700
267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_104:
0.5173 - val_loss: 0.7545 - val_auc_104: 0.5081
Epoch 234/700
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_104:
0.5157 - val_loss: 0.7829 - val_auc_104: 0.5067
Epoch 235/700
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_104:
0.5140 - val_loss: 0.7600 - val_auc_104: 0.5108
Epoch 236/700
267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_104:
0.5185 - val_loss: 0.7732 - val_auc_104: 0.5060
Epoch 237/700
267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_104:
0.5159 - val_loss: 0.7434 - val_auc_104: 0.5089
Epoch 238/700
267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_104:
0.5162 - val_loss: 0.7819 - val_auc_104: 0.5085
Epoch 239/700
267/267 [=====] - 1s 3ms/step - loss: 0.8079 - auc_104:
0.5156 - val_loss: 0.7520 - val_auc_104: 0.5113
Epoch 240/700
267/267 [=====] - 1s 3ms/step - loss: 0.7681 - auc_104:
0.5148 - val_loss: 0.8071 - val_auc_104: 0.5082
Epoch 241/700
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_104:
0.5139 - val_loss: 0.8204 - val_auc_104: 0.5030
Epoch 242/700

267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_104:
0.5136 - val_loss: 0.7956 - val_auc_104: 0.5103
Epoch 243/700
267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_104:
0.5155 - val_loss: 0.7506 - val_auc_104: 0.5062
Epoch 244/700
267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_104:
0.5172 - val_loss: 0.7173 - val_auc_104: 0.5053
Epoch 245/700
267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_104:
0.5145 - val_loss: 0.7734 - val_auc_104: 0.5123
Epoch 246/700
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_104:
0.5147 - val_loss: 0.7537 - val_auc_104: 0.5075
Epoch 247/700
267/267 [=====] - 1s 3ms/step - loss: 0.8009 - auc_104:
0.5149 - val_loss: 0.8017 - val_auc_104: 0.5037
Epoch 248/700
267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_104:
0.5168 - val_loss: 0.7708 - val_auc_104: 0.5064
Epoch 249/700
267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_104:
0.5159 - val_loss: 0.7849 - val_auc_104: 0.5045
Epoch 250/700
267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_104:
0.5123 - val_loss: 0.7633 - val_auc_104: 0.5088
Epoch 251/700
267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_104:
0.5161 - val_loss: 0.8438 - val_auc_104: 0.5114
Epoch 252/700
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_104:
0.5166 - val_loss: 0.7942 - val_auc_104: 0.5015
Epoch 253/700
267/267 [=====] - 1s 3ms/step - loss: 0.8015 - auc_104:
0.5159 - val_loss: 0.7355 - val_auc_104: 0.5085
Epoch 254/700
267/267 [=====] - 1s 3ms/step - loss: 0.7686 - auc_104:
0.5159 - val_loss: 0.7896 - val_auc_104: 0.5071
Epoch 255/700
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_104:
0.5171 - val_loss: 0.8331 - val_auc_104: 0.5085
Epoch 256/700
267/267 [=====] - 1s 3ms/step - loss: 0.7680 - auc_104:
0.5177 - val_loss: 0.8099 - val_auc_104: 0.5007
Epoch 257/700
267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_104:
0.5158 - val_loss: 0.8514 - val_auc_104: 0.5112
Epoch 258/700

267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_104:
0.5140 - val_loss: 0.7240 - val_auc_104: 0.5031
Epoch 259/700
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_104:
0.5164 - val_loss: 0.8490 - val_auc_104: 0.5063
Epoch 260/700
267/267 [=====] - 1s 3ms/step - loss: 0.7915 - auc_104:
0.5140 - val_loss: 0.7716 - val_auc_104: 0.5098
Epoch 261/700
267/267 [=====] - 1s 3ms/step - loss: 0.8032 - auc_104:
0.5147 - val_loss: 0.7512 - val_auc_104: 0.5061
Epoch 262/700
267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_104:
0.5133 - val_loss: 0.8792 - val_auc_104: 0.5096
Epoch 263/700
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_104:
0.5155 - val_loss: 0.7495 - val_auc_104: 0.5066
Epoch 264/700
267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_104:
0.5138 - val_loss: 0.8210 - val_auc_104: 0.5061
Epoch 265/700
267/267 [=====] - 1s 3ms/step - loss: 0.8012 - auc_104:
0.5160 - val_loss: 0.7856 - val_auc_104: 0.5022
Epoch 266/700
267/267 [=====] - 1s 3ms/step - loss: 0.8043 - auc_104:
0.5137 - val_loss: 0.7647 - val_auc_104: 0.5071
Epoch 267/700
267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_104:
0.5175 - val_loss: 0.7409 - val_auc_104: 0.5084
Epoch 268/700
267/267 [=====] - 1s 3ms/step - loss: 0.8011 - auc_104:
0.5174 - val_loss: 0.7873 - val_auc_104: 0.5078
Epoch 269/700
267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_104:
0.5182 - val_loss: 0.7531 - val_auc_104: 0.5055
Epoch 270/700
267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_104:
0.5161 - val_loss: 0.8589 - val_auc_104: 0.5055
Epoch 271/700
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_104:
0.5158 - val_loss: 0.8040 - val_auc_104: 0.5081
Epoch 272/700
267/267 [=====] - 1s 3ms/step - loss: 0.7938 - auc_104:
0.5165 - val_loss: 0.7948 - val_auc_104: 0.5071
Epoch 273/700
267/267 [=====] - 1s 3ms/step - loss: 0.7705 - auc_104:
0.5150 - val_loss: 0.7436 - val_auc_104: 0.5050
Epoch 274/700

267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_104:
0.5151 - val_loss: 0.8000 - val_auc_104: 0.5123
Epoch 275/700
267/267 [=====] - 1s 3ms/step - loss: 0.7996 - auc_104:
0.5152 - val_loss: 0.7285 - val_auc_104: 0.5067
Epoch 276/700
267/267 [=====] - 1s 3ms/step - loss: 0.7915 - auc_104:
0.5156 - val_loss: 0.8196 - val_auc_104: 0.5024
Epoch 277/700
267/267 [=====] - 1s 3ms/step - loss: 0.7672 - auc_104:
0.5142 - val_loss: 0.9096 - val_auc_104: 0.5100
Epoch 278/700
267/267 [=====] - 1s 3ms/step - loss: 0.8112 - auc_104:
0.5159 - val_loss: 0.7439 - val_auc_104: 0.5126
Epoch 279/700
267/267 [=====] - 1s 3ms/step - loss: 0.7612 - auc_104:
0.5159 - val_loss: 0.8309 - val_auc_104: 0.5050
Epoch 280/700
267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_104:
0.5163 - val_loss: 0.7495 - val_auc_104: 0.5114
Epoch 281/700
267/267 [=====] - 1s 3ms/step - loss: 0.7685 - auc_104:
0.5188 - val_loss: 0.8338 - val_auc_104: 0.5092
Epoch 282/700
267/267 [=====] - 1s 3ms/step - loss: 0.7645 - auc_104:
0.5150 - val_loss: 0.8526 - val_auc_104: 0.5068
Epoch 283/700
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_104:
0.5156 - val_loss: 0.8113 - val_auc_104: 0.5100
Epoch 284/700
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_104:
0.5142 - val_loss: 0.9115 - val_auc_104: 0.5071
Epoch 285/700
267/267 [=====] - 1s 3ms/step - loss: 0.7757 - auc_104:
0.5168 - val_loss: 0.7309 - val_auc_104: 0.5047
Epoch 286/700
267/267 [=====] - 1s 3ms/step - loss: 0.7925 - auc_104:
0.5164 - val_loss: 0.7383 - val_auc_104: 0.5102
Epoch 287/700
267/267 [=====] - 1s 3ms/step - loss: 0.7750 - auc_104:
0.5140 - val_loss: 0.8105 - val_auc_104: 0.5024
Epoch 288/700
267/267 [=====] - 1s 3ms/step - loss: 0.7669 - auc_104:
0.5153 - val_loss: 1.0425 - val_auc_104: 0.5130
Epoch 289/700
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_104:
0.5168 - val_loss: 0.8317 - val_auc_104: 0.5091
Epoch 290/700

267/267 [=====] - 1s 3ms/step - loss: 0.7987 - auc_104:
 0.5170 - val_loss: 0.8020 - val_auc_104: 0.5109
 Epoch 291/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8064 - auc_104:
 0.5150 - val_loss: 0.8222 - val_auc_104: 0.5115
 Epoch 292/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7900 - auc_104:
 0.5190 - val_loss: 0.7703 - val_auc_104: 0.5087
 Epoch 293/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7620 - auc_104:
 0.5176 - val_loss: 0.7809 - val_auc_104: 0.5102
 Epoch 294/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_104:
 0.5152 - val_loss: 0.8580 - val_auc_104: 0.5049
 Epoch 295/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7680 - auc_104:
 0.5163 - val_loss: 0.7537 - val_auc_104: 0.5130
 Epoch 296/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_104:
 0.5155 - val_loss: 0.7450 - val_auc_104: 0.5086
 Epoch 297/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_104:
 0.5157 - val_loss: 0.8863 - val_auc_104: 0.5106
 Epoch 298/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7524 - auc_104:
 0.5171 - val_loss: 0.7735 - val_auc_104: 0.5049
 Epoch 299/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_104:
 0.5161 - val_loss: 0.9730 - val_auc_104: 0.5103
 Epoch 300/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_104:
 0.5173 - val_loss: 0.7751 - val_auc_104: 0.5112
 Epoch 301/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_104:
 0.5147 - val_loss: 0.7811 - val_auc_104: 0.5107
 Epoch 302/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_104:
 0.5157 - val_loss: 0.7313 - val_auc_104: 0.5058
 Epoch 303/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_104:
 0.5162 - val_loss: 0.7689 - val_auc_104: 0.5151
 Epoch 304/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_104:
 0.5164 - val_loss: 0.8666 - val_auc_104: 0.4982
 Epoch 305/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_104:
 0.5175 - val_loss: 0.7219 - val_auc_104: 0.5088
 Epoch 306/700

267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_104:
 0.5142 - val_loss: 0.8271 - val_auc_104: 0.5073
 Epoch 307/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_104:
 0.5146 - val_loss: 0.7401 - val_auc_104: 0.5086
 Epoch 308/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7888 - auc_104:
 0.5179 - val_loss: 0.7549 - val_auc_104: 0.5088
 Epoch 309/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7750 - auc_104:
 0.5169 - val_loss: 0.8949 - val_auc_104: 0.5041
 Epoch 310/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_104:
 0.5155 - val_loss: 0.7549 - val_auc_104: 0.5115
 Epoch 311/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7667 - auc_104:
 0.5155 - val_loss: 0.8033 - val_auc_104: 0.5088
 Epoch 312/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_104:
 0.5152 - val_loss: 0.8072 - val_auc_104: 0.5079
 Epoch 313/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_104:
 0.5165 - val_loss: 0.7426 - val_auc_104: 0.5038
 Epoch 314/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_104:
 0.5163 - val_loss: 0.8014 - val_auc_104: 0.5098
 Epoch 315/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7998 - auc_104:
 0.5177 - val_loss: 0.7257 - val_auc_104: 0.5115
 Epoch 316/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_104:
 0.5150 - val_loss: 0.7888 - val_auc_104: 0.5087
 Epoch 317/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_104:
 0.5182 - val_loss: 0.8461 - val_auc_104: 0.5065
 Epoch 318/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7649 - auc_104:
 0.5166 - val_loss: 0.8259 - val_auc_104: 0.5136
 Epoch 319/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_104:
 0.5142 - val_loss: 0.7437 - val_auc_104: 0.5103
 Epoch 320/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_104:
 0.5162 - val_loss: 0.8419 - val_auc_104: 0.5150
 Epoch 321/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7704 - auc_104:
 0.5175 - val_loss: 0.7897 - val_auc_104: 0.5106
 Epoch 322/700

267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_104:
 0.5155 - val_loss: 0.7460 - val_auc_104: 0.5055
 Epoch 323/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_104:
 0.5150 - val_loss: 0.8011 - val_auc_104: 0.5097
 Epoch 324/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_104:
 0.5167 - val_loss: 0.7939 - val_auc_104: 0.5105
 Epoch 325/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_104:
 0.5166 - val_loss: 0.7855 - val_auc_104: 0.5056
 Epoch 326/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_104:
 0.5158 - val_loss: 0.7564 - val_auc_104: 0.5081
 Epoch 327/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7710 - auc_104:
 0.5158 - val_loss: 0.7846 - val_auc_104: 0.5029
 Epoch 328/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7774 - auc_104:
 0.5159 - val_loss: 0.8611 - val_auc_104: 0.5080
 Epoch 329/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_104:
 0.5162 - val_loss: 0.7470 - val_auc_104: 0.5101
 Epoch 330/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_104:
 0.5159 - val_loss: 0.8400 - val_auc_104: 0.5100
 Epoch 331/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_104:
 0.5155 - val_loss: 0.8145 - val_auc_104: 0.5006
 Epoch 332/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_104:
 0.5141 - val_loss: 0.7951 - val_auc_104: 0.5134
 Epoch 333/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_104:
 0.5167 - val_loss: 0.7521 - val_auc_104: 0.5004
 Epoch 334/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7897 - auc_104:
 0.5148 - val_loss: 0.7404 - val_auc_104: 0.5143
 Epoch 335/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7964 - auc_104:
 0.5185 - val_loss: 0.7505 - val_auc_104: 0.5090
 Epoch 336/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_104:
 0.5171 - val_loss: 0.7747 - val_auc_104: 0.5123
 Epoch 337/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_104:
 0.5174 - val_loss: 0.7490 - val_auc_104: 0.5080
 Epoch 338/700

267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_104:
 0.5166 - val_loss: 0.7699 - val_auc_104: 0.5098
 Epoch 339/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7710 - auc_104:
 0.5177 - val_loss: 0.7787 - val_auc_104: 0.5032
 Epoch 340/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7750 - auc_104:
 0.5179 - val_loss: 0.7601 - val_auc_104: 0.5106
 Epoch 341/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_104:
 0.5176 - val_loss: 0.7553 - val_auc_104: 0.5045
 Epoch 342/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7630 - auc_104:
 0.5166 - val_loss: 0.8024 - val_auc_104: 0.5046
 Epoch 343/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_104:
 0.5183 - val_loss: 0.7644 - val_auc_104: 0.5043
 Epoch 344/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7659 - auc_104:
 0.5172 - val_loss: 0.7855 - val_auc_104: 0.5060
 Epoch 345/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_104:
 0.5149 - val_loss: 0.9829 - val_auc_104: 0.5042
 Epoch 346/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_104:
 0.5170 - val_loss: 0.8545 - val_auc_104: 0.5102
 Epoch 347/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7628 - auc_104:
 0.5137 - val_loss: 0.7892 - val_auc_104: 0.5115
 Epoch 348/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8076 - auc_104:
 0.5151 - val_loss: 0.8505 - val_auc_104: 0.5150
 Epoch 349/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_104:
 0.5178 - val_loss: 0.8109 - val_auc_104: 0.5059
 Epoch 350/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_104:
 0.5174 - val_loss: 0.8268 - val_auc_104: 0.5032
 Epoch 351/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_104:
 0.5164 - val_loss: 0.7363 - val_auc_104: 0.5079
 Epoch 352/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7673 - auc_104:
 0.5179 - val_loss: 0.7991 - val_auc_104: 0.5121
 Epoch 353/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8406 - auc_104:
 0.5165 - val_loss: 0.8294 - val_auc_104: 0.5063
 Epoch 354/700

267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_104:
 0.5165 - val_loss: 0.7981 - val_auc_104: 0.5052
 Epoch 355/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8011 - auc_104:
 0.5166 - val_loss: 0.8460 - val_auc_104: 0.5073
 Epoch 356/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_104:
 0.5161 - val_loss: 0.7449 - val_auc_104: 0.5079
 Epoch 357/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_104:
 0.5185 - val_loss: 0.7504 - val_auc_104: 0.5031
 Epoch 358/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7920 - auc_104:
 0.5160 - val_loss: 0.8120 - val_auc_104: 0.5033
 Epoch 359/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7576 - auc_104:
 0.5199 - val_loss: 0.7957 - val_auc_104: 0.5116
 Epoch 360/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7973 - auc_104:
 0.5164 - val_loss: 0.7957 - val_auc_104: 0.5082
 Epoch 361/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_104:
 0.5168 - val_loss: 0.7404 - val_auc_104: 0.5032
 Epoch 362/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_104:
 0.5167 - val_loss: 0.7658 - val_auc_104: 0.5112
 Epoch 363/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7677 - auc_104:
 0.5167 - val_loss: 0.7447 - val_auc_104: 0.5031
 Epoch 364/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_104:
 0.5171 - val_loss: 0.7636 - val_auc_104: 0.5076
 Epoch 365/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_104:
 0.5166 - val_loss: 0.7122 - val_auc_104: 0.5136
 Epoch 366/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7520 - auc_104:
 0.5197 - val_loss: 0.8855 - val_auc_104: 0.5057
 Epoch 367/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8077 - auc_104:
 0.5178 - val_loss: 0.7983 - val_auc_104: 0.5086
 Epoch 368/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_104:
 0.5146 - val_loss: 0.7748 - val_auc_104: 0.5043
 Epoch 369/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7689 - auc_104:
 0.5173 - val_loss: 0.8349 - val_auc_104: 0.5030
 Epoch 370/700

267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_104:
 0.5185 - val_loss: 0.7342 - val_auc_104: 0.5129
 Epoch 371/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7703 - auc_104:
 0.5176 - val_loss: 0.8351 - val_auc_104: 0.5126
 Epoch 372/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_104:
 0.5173 - val_loss: 0.7561 - val_auc_104: 0.5039
 Epoch 373/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_104:
 0.5168 - val_loss: 0.7353 - val_auc_104: 0.5105
 Epoch 374/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_104:
 0.5164 - val_loss: 0.8243 - val_auc_104: 0.5131
 Epoch 375/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7821 - auc_104:
 0.5151 - val_loss: 0.8115 - val_auc_104: 0.5141
 Epoch 376/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_104:
 0.5160 - val_loss: 0.7771 - val_auc_104: 0.5126
 Epoch 377/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8000 - auc_104:
 0.5188 - val_loss: 0.7868 - val_auc_104: 0.5081
 Epoch 378/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_104:
 0.5168 - val_loss: 0.7327 - val_auc_104: 0.5149
 Epoch 379/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7750 - auc_104:
 0.5175 - val_loss: 0.8303 - val_auc_104: 0.5020
 Epoch 380/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_104:
 0.5165 - val_loss: 0.7469 - val_auc_104: 0.5044
 Epoch 381/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_104:
 0.5152 - val_loss: 0.7885 - val_auc_104: 0.5144
 Epoch 382/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_104:
 0.5158 - val_loss: 0.7710 - val_auc_104: 0.5084
 Epoch 383/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7468 - auc_104:
 0.5163 - val_loss: 0.7357 - val_auc_104: 0.5030
 Epoch 384/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7836 - auc_104:
 0.5183 - val_loss: 0.8340 - val_auc_104: 0.5065
 Epoch 385/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_104:
 0.5201 - val_loss: 0.7747 - val_auc_104: 0.5041
 Epoch 386/700

267/267 [=====] - 1s 3ms/step - loss: 0.7688 - auc_104:
0.5176 - val_loss: 0.7801 - val_auc_104: 0.5130
Epoch 387/700
267/267 [=====] - 1s 3ms/step - loss: 0.7668 - auc_104:
0.5181 - val_loss: 0.8460 - val_auc_104: 0.5114
Epoch 388/700
267/267 [=====] - 1s 3ms/step - loss: 0.8080 - auc_104:
0.5185 - val_loss: 0.7859 - val_auc_104: 0.5080
Epoch 389/700
267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_104:
0.5180 - val_loss: 0.7645 - val_auc_104: 0.5094
Epoch 390/700
267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_104:
0.5162 - val_loss: 0.8055 - val_auc_104: 0.5077
Epoch 391/700
267/267 [=====] - 1s 3ms/step - loss: 0.7757 - auc_104:
0.5175 - val_loss: 0.7568 - val_auc_104: 0.5092
Epoch 392/700
267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_104:
0.5156 - val_loss: 0.7723 - val_auc_104: 0.5108
Epoch 393/700
267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_104:
0.5177 - val_loss: 0.7369 - val_auc_104: 0.5062
Epoch 394/700
267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_104:
0.5185 - val_loss: 0.7042 - val_auc_104: 0.5060
Epoch 395/700
267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_104:
0.5166 - val_loss: 0.8323 - val_auc_104: 0.5079
Epoch 396/700
267/267 [=====] - 1s 3ms/step - loss: 0.7606 - auc_104:
0.5186 - val_loss: 0.7777 - val_auc_104: 0.5042
Epoch 397/700
267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_104:
0.5183 - val_loss: 0.8380 - val_auc_104: 0.5067
Epoch 398/700
267/267 [=====] - 1s 3ms/step - loss: 0.7920 - auc_104:
0.5129 - val_loss: 0.9050 - val_auc_104: 0.5041
Epoch 399/700
267/267 [=====] - 1s 3ms/step - loss: 0.7547 - auc_104:
0.5191 - val_loss: 0.7350 - val_auc_104: 0.5052
Epoch 400/700
267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_104:
0.5165 - val_loss: 0.8178 - val_auc_104: 0.5086
Epoch 401/700
267/267 [=====] - 1s 3ms/step - loss: 0.8105 - auc_104:
0.5175 - val_loss: 0.7496 - val_auc_104: 0.5083
Epoch 402/700

267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_104:
0.5170 - val_loss: 0.7523 - val_auc_104: 0.5089
Epoch 403/700
267/267 [=====] - 1s 3ms/step - loss: 0.8132 - auc_104:
0.5177 - val_loss: 0.7533 - val_auc_104: 0.5075
Epoch 404/700
267/267 [=====] - 1s 3ms/step - loss: 0.7598 - auc_104:
0.5178 - val_loss: 0.7518 - val_auc_104: 0.5082
Epoch 405/700
267/267 [=====] - 1s 3ms/step - loss: 0.7509 - auc_104:
0.5184 - val_loss: 0.7270 - val_auc_104: 0.5124
Epoch 406/700
267/267 [=====] - 1s 3ms/step - loss: 0.7938 - auc_104:
0.5195 - val_loss: 0.8462 - val_auc_104: 0.5079
Epoch 407/700
267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_104:
0.5193 - val_loss: 0.7976 - val_auc_104: 0.5108
Epoch 408/700
267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_104:
0.5176 - val_loss: 0.7720 - val_auc_104: 0.5097
Epoch 409/700
267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_104:
0.5193 - val_loss: 0.7467 - val_auc_104: 0.5074
Epoch 410/700
267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_104:
0.5176 - val_loss: 0.7325 - val_auc_104: 0.5103
Epoch 411/700
267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_104:
0.5184 - val_loss: 0.8718 - val_auc_104: 0.5104
Epoch 412/700
267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_104:
0.5211 - val_loss: 0.7571 - val_auc_104: 0.5150
Epoch 413/700
267/267 [=====] - 1s 3ms/step - loss: 0.7963 - auc_104:
0.5193 - val_loss: 0.7640 - val_auc_104: 0.5096
Epoch 414/700
267/267 [=====] - 1s 3ms/step - loss: 0.7655 - auc_104:
0.5181 - val_loss: 0.8747 - val_auc_104: 0.5117
Epoch 415/700
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_104:
0.5200 - val_loss: 0.7701 - val_auc_104: 0.5069
Epoch 416/700
267/267 [=====] - 1s 3ms/step - loss: 0.7741 - auc_104:
0.5176 - val_loss: 0.7903 - val_auc_104: 0.5104
Epoch 417/700
267/267 [=====] - 1s 3ms/step - loss: 0.7977 - auc_104:
0.5167 - val_loss: 0.7968 - val_auc_104: 0.5096
Epoch 418/700

267/267 [=====] - 1s 3ms/step - loss: 0.7927 - auc_104:
 0.5170 - val_loss: 0.8916 - val_auc_104: 0.5044
 Epoch 419/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7677 - auc_104:
 0.5142 - val_loss: 0.7968 - val_auc_104: 0.5067
 Epoch 420/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8017 - auc_104:
 0.5185 - val_loss: 0.7292 - val_auc_104: 0.5049
 Epoch 421/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7612 - auc_104:
 0.5183 - val_loss: 0.7946 - val_auc_104: 0.5097
 Epoch 422/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_104:
 0.5189 - val_loss: 0.7258 - val_auc_104: 0.5105
 Epoch 423/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7790 - auc_104:
 0.5186 - val_loss: 0.7899 - val_auc_104: 0.5098
 Epoch 424/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_104:
 0.5175 - val_loss: 0.8845 - val_auc_104: 0.5070
 Epoch 425/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_104:
 0.5186 - val_loss: 0.7846 - val_auc_104: 0.5068
 Epoch 426/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7819 - auc_104:
 0.5189 - val_loss: 0.8434 - val_auc_104: 0.5031
 Epoch 427/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8109 - auc_104:
 0.5162 - val_loss: 0.7291 - val_auc_104: 0.5119
 Epoch 428/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8015 - auc_104:
 0.5155 - val_loss: 0.7597 - val_auc_104: 0.5082
 Epoch 429/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7673 - auc_104:
 0.5175 - val_loss: 0.7394 - val_auc_104: 0.5090
 Epoch 430/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7670 - auc_104:
 0.5178 - val_loss: 0.7286 - val_auc_104: 0.5058
 Epoch 431/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7956 - auc_104:
 0.5194 - val_loss: 0.7975 - val_auc_104: 0.5086
 Epoch 432/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_104:
 0.5175 - val_loss: 0.7508 - val_auc_104: 0.5110
 Epoch 433/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_104:
 0.5165 - val_loss: 0.7267 - val_auc_104: 0.5140
 Epoch 434/700

267/267 [=====] - 1s 3ms/step - loss: 0.7630 - auc_104:
 0.5168 - val_loss: 0.8127 - val_auc_104: 0.5083
 Epoch 435/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_104:
 0.5163 - val_loss: 0.7891 - val_auc_104: 0.5044
 Epoch 436/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_104:
 0.5163 - val_loss: 0.7347 - val_auc_104: 0.5097
 Epoch 437/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_104:
 0.5173 - val_loss: 0.7630 - val_auc_104: 0.5086
 Epoch 438/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_104:
 0.5181 - val_loss: 0.7614 - val_auc_104: 0.5075
 Epoch 439/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7924 - auc_104:
 0.5181 - val_loss: 0.7315 - val_auc_104: 0.5057
 Epoch 440/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7561 - auc_104:
 0.5190 - val_loss: 0.7307 - val_auc_104: 0.5036
 Epoch 441/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_104:
 0.5167 - val_loss: 0.8357 - val_auc_104: 0.5083
 Epoch 442/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_104:
 0.5180 - val_loss: 0.7604 - val_auc_104: 0.5070
 Epoch 443/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7617 - auc_104:
 0.5181 - val_loss: 0.7996 - val_auc_104: 0.5141
 Epoch 444/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7933 - auc_104:
 0.5163 - val_loss: 0.7195 - val_auc_104: 0.5095
 Epoch 445/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7722 - auc_104:
 0.5177 - val_loss: 0.8059 - val_auc_104: 0.5121
 Epoch 446/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_104:
 0.5165 - val_loss: 0.7725 - val_auc_104: 0.5088
 Epoch 447/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7586 - auc_104:
 0.5185 - val_loss: 0.7308 - val_auc_104: 0.5107
 Epoch 448/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_104:
 0.5195 - val_loss: 0.8532 - val_auc_104: 0.5098
 Epoch 449/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_104:
 0.5174 - val_loss: 0.7266 - val_auc_104: 0.5128
 Epoch 450/700

267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_104:
 0.5151 - val_loss: 0.8023 - val_auc_104: 0.5111
 Epoch 451/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7907 - auc_104:
 0.5170 - val_loss: 0.7538 - val_auc_104: 0.5138
 Epoch 452/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_104:
 0.5151 - val_loss: 0.7436 - val_auc_104: 0.5113
 Epoch 453/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_104:
 0.5169 - val_loss: 0.7645 - val_auc_104: 0.5100
 Epoch 454/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7695 - auc_104:
 0.5190 - val_loss: 0.7650 - val_auc_104: 0.5102
 Epoch 455/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7587 - auc_104:
 0.5199 - val_loss: 0.7393 - val_auc_104: 0.5076
 Epoch 456/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_104:
 0.5172 - val_loss: 0.8066 - val_auc_104: 0.5073
 Epoch 457/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8277 - auc_104:
 0.5166 - val_loss: 0.9080 - val_auc_104: 0.5120
 Epoch 458/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7637 - auc_104:
 0.5171 - val_loss: 0.7931 - val_auc_104: 0.5080
 Epoch 459/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_104:
 0.5166 - val_loss: 0.8211 - val_auc_104: 0.5066
 Epoch 460/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_104:
 0.5175 - val_loss: 0.7641 - val_auc_104: 0.5013
 Epoch 461/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_104:
 0.5169 - val_loss: 0.7546 - val_auc_104: 0.5113
 Epoch 462/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7651 - auc_104:
 0.5178 - val_loss: 0.7712 - val_auc_104: 0.5090
 Epoch 463/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7578 - auc_104:
 0.5167 - val_loss: 0.7764 - val_auc_104: 0.5111
 Epoch 464/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_104:
 0.5152 - val_loss: 0.7944 - val_auc_104: 0.5100
 Epoch 465/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7724 - auc_104:
 0.5173 - val_loss: 0.7893 - val_auc_104: 0.5024
 Epoch 466/700

267/267 [=====] - 1s 3ms/step - loss: 0.8018 - auc_104:
0.5173 - val_loss: 0.7464 - val_auc_104: 0.5102
Epoch 467/700
267/267 [=====] - 1s 3ms/step - loss: 0.8015 - auc_104:
0.5194 - val_loss: 0.7752 - val_auc_104: 0.5104
Epoch 468/700
267/267 [=====] - 1s 3ms/step - loss: 0.7746 - auc_104:
0.5158 - val_loss: 0.7574 - val_auc_104: 0.5089
Epoch 469/700
267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_104:
0.5180 - val_loss: 0.7400 - val_auc_104: 0.5048
Epoch 470/700
267/267 [=====] - 1s 3ms/step - loss: 0.7583 - auc_104:
0.5174 - val_loss: 0.7379 - val_auc_104: 0.5097
Epoch 471/700
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_104:
0.5170 - val_loss: 0.7904 - val_auc_104: 0.5044
Epoch 472/700
267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_104:
0.5154 - val_loss: 0.7640 - val_auc_104: 0.5128
Epoch 473/700
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_104:
0.5168 - val_loss: 0.7802 - val_auc_104: 0.5130
Epoch 474/700
267/267 [=====] - 1s 3ms/step - loss: 0.8139 - auc_104:
0.5167 - val_loss: 0.8140 - val_auc_104: 0.5061
Epoch 475/700
267/267 [=====] - 1s 3ms/step - loss: 0.7630 - auc_104:
0.5188 - val_loss: 0.7584 - val_auc_104: 0.5127
Epoch 476/700
267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_104:
0.5182 - val_loss: 0.7575 - val_auc_104: 0.5059
Epoch 477/700
267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_104:
0.5188 - val_loss: 0.7603 - val_auc_104: 0.5046
Epoch 478/700
267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_104:
0.5193 - val_loss: 0.7916 - val_auc_104: 0.5045
Epoch 479/700
267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_104:
0.5157 - val_loss: 0.7513 - val_auc_104: 0.5044
Epoch 480/700
267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_104:
0.5158 - val_loss: 0.8355 - val_auc_104: 0.5124
Epoch 481/700
267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_104:
0.5167 - val_loss: 0.7312 - val_auc_104: 0.5019
Epoch 482/700

267/267 [=====] - 1s 3ms/step - loss: 0.7921 - auc_104:
 0.5137 - val_loss: 0.8324 - val_auc_104: 0.5094
 Epoch 483/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_104:
 0.5162 - val_loss: 0.7262 - val_auc_104: 0.5142
 Epoch 484/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7670 - auc_104:
 0.5185 - val_loss: 1.0393 - val_auc_104: 0.5069
 Epoch 485/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_104:
 0.5148 - val_loss: 0.8295 - val_auc_104: 0.5117
 Epoch 486/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7740 - auc_104:
 0.5175 - val_loss: 0.7604 - val_auc_104: 0.5063
 Epoch 487/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_104:
 0.5173 - val_loss: 0.7518 - val_auc_104: 0.5101
 Epoch 488/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8068 - auc_104:
 0.5166 - val_loss: 0.7421 - val_auc_104: 0.5082
 Epoch 489/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_104:
 0.5147 - val_loss: 0.7556 - val_auc_104: 0.5120
 Epoch 490/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7927 - auc_104:
 0.5182 - val_loss: 0.7797 - val_auc_104: 0.5078
 Epoch 491/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_104:
 0.5170 - val_loss: 0.7563 - val_auc_104: 0.5015
 Epoch 492/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_104:
 0.5154 - val_loss: 0.7494 - val_auc_104: 0.5101
 Epoch 493/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7558 - auc_104:
 0.5168 - val_loss: 0.7750 - val_auc_104: 0.5095
 Epoch 494/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7845 - auc_104:
 0.5200 - val_loss: 0.7488 - val_auc_104: 0.5092
 Epoch 495/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_104:
 0.5195 - val_loss: 0.8382 - val_auc_104: 0.5052
 Epoch 496/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_104:
 0.5197 - val_loss: 0.7097 - val_auc_104: 0.5096
 Epoch 497/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_104:
 0.5173 - val_loss: 0.8548 - val_auc_104: 0.5094
 Epoch 498/700

267/267 [=====] - 1s 3ms/step - loss: 0.8230 - auc_104:
 0.5159 - val_loss: 0.7719 - val_auc_104: 0.5078
 Epoch 499/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_104:
 0.5175 - val_loss: 0.7306 - val_auc_104: 0.5104
 Epoch 500/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7584 - auc_104:
 0.5164 - val_loss: 0.7702 - val_auc_104: 0.5058
 Epoch 501/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8047 - auc_104:
 0.5175 - val_loss: 0.7682 - val_auc_104: 0.5074
 Epoch 502/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_104:
 0.5180 - val_loss: 0.9208 - val_auc_104: 0.5106
 Epoch 503/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7729 - auc_104:
 0.5182 - val_loss: 0.7585 - val_auc_104: 0.5108
 Epoch 504/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7595 - auc_104:
 0.5155 - val_loss: 0.7547 - val_auc_104: 0.5059
 Epoch 505/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7641 - auc_104:
 0.5175 - val_loss: 0.8378 - val_auc_104: 0.5074
 Epoch 506/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_104:
 0.5182 - val_loss: 0.8286 - val_auc_104: 0.5068
 Epoch 507/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_104:
 0.5168 - val_loss: 0.8243 - val_auc_104: 0.5068
 Epoch 508/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_104:
 0.5175 - val_loss: 0.7995 - val_auc_104: 0.5077
 Epoch 509/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7873 - auc_104:
 0.5187 - val_loss: 0.7579 - val_auc_104: 0.5016
 Epoch 510/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7614 - auc_104:
 0.5160 - val_loss: 0.7793 - val_auc_104: 0.5110
 Epoch 511/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8003 - auc_104:
 0.5155 - val_loss: 0.8266 - val_auc_104: 0.5089
 Epoch 512/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_104:
 0.5166 - val_loss: 0.7512 - val_auc_104: 0.5066
 Epoch 513/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_104:
 0.5173 - val_loss: 0.7956 - val_auc_104: 0.5087
 Epoch 514/700

267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_104:
0.5192 - val_loss: 0.7222 - val_auc_104: 0.5074
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 0.7625 - auc_104:
0.5175 - val_loss: 0.8078 - val_auc_104: 0.5090
Epoch 516/700
267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_104:
0.5169 - val_loss: 0.7953 - val_auc_104: 0.5061
Epoch 517/700
267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_104:
0.5186 - val_loss: 0.7252 - val_auc_104: 0.5127
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 0.7892 - auc_104:
0.5174 - val_loss: 0.7216 - val_auc_104: 0.5098
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 0.7998 - auc_104:
0.5168 - val_loss: 0.8113 - val_auc_104: 0.4989
Epoch 520/700
267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_104:
0.5199 - val_loss: 0.7989 - val_auc_104: 0.5130
Epoch 521/700
267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_104:
0.5180 - val_loss: 0.7968 - val_auc_104: 0.5134
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_104:
0.5146 - val_loss: 0.8131 - val_auc_104: 0.5163
Epoch 523/700
267/267 [=====] - 1s 3ms/step - loss: 0.8021 - auc_104:
0.5171 - val_loss: 0.7492 - val_auc_104: 0.5050
Epoch 524/700
267/267 [=====] - 1s 3ms/step - loss: 0.7665 - auc_104:
0.5212 - val_loss: 0.7671 - val_auc_104: 0.5130
Epoch 525/700
267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_104:
0.5182 - val_loss: 0.8303 - val_auc_104: 0.5093
Epoch 526/700
267/267 [=====] - 1s 3ms/step - loss: 0.7643 - auc_104:
0.5188 - val_loss: 0.8022 - val_auc_104: 0.5090
Epoch 527/700
267/267 [=====] - 1s 3ms/step - loss: 0.7688 - auc_104:
0.5162 - val_loss: 0.7706 - val_auc_104: 0.5110
Epoch 528/700
267/267 [=====] - 1s 3ms/step - loss: 0.7936 - auc_104:
0.5145 - val_loss: 0.8686 - val_auc_104: 0.5095
Epoch 529/700
267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_104:
0.5176 - val_loss: 0.7599 - val_auc_104: 0.5097
Epoch 530/700

267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_104:
0.5169 - val_loss: 0.7954 - val_auc_104: 0.5167
Epoch 531/700
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_104:
0.5172 - val_loss: 0.7688 - val_auc_104: 0.5101
Epoch 532/700
267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_104:
0.5178 - val_loss: 0.8049 - val_auc_104: 0.5075
Epoch 533/700
267/267 [=====] - 1s 3ms/step - loss: 0.7580 - auc_104:
0.5176 - val_loss: 0.7486 - val_auc_104: 0.5052
Epoch 534/700
267/267 [=====] - 1s 3ms/step - loss: 0.7564 - auc_104:
0.5168 - val_loss: 0.7457 - val_auc_104: 0.5135
Epoch 535/700
267/267 [=====] - 1s 3ms/step - loss: 0.7667 - auc_104:
0.5187 - val_loss: 0.8101 - val_auc_104: 0.5070
Epoch 536/700
267/267 [=====] - 1s 3ms/step - loss: 0.8019 - auc_104:
0.5166 - val_loss: 0.7810 - val_auc_104: 0.5124
Epoch 537/700
267/267 [=====] - 1s 3ms/step - loss: 0.7649 - auc_104:
0.5173 - val_loss: 0.7822 - val_auc_104: 0.5103
Epoch 538/700
267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_104:
0.5191 - val_loss: 0.7758 - val_auc_104: 0.5103
Epoch 539/700
267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_104:
0.5173 - val_loss: 0.9070 - val_auc_104: 0.5064
Epoch 540/700
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_104:
0.5175 - val_loss: 0.7549 - val_auc_104: 0.5140
Epoch 541/700
267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_104:
0.5171 - val_loss: 0.7461 - val_auc_104: 0.5034
Epoch 542/700
267/267 [=====] - 1s 3ms/step - loss: 0.8070 - auc_104:
0.5147 - val_loss: 0.7442 - val_auc_104: 0.5090
Epoch 543/700
267/267 [=====] - 1s 3ms/step - loss: 0.7741 - auc_104:
0.5171 - val_loss: 0.7544 - val_auc_104: 0.5115
Epoch 544/700
267/267 [=====] - 1s 3ms/step - loss: 0.7666 - auc_104:
0.5167 - val_loss: 0.7641 - val_auc_104: 0.5148
Epoch 545/700
267/267 [=====] - 1s 3ms/step - loss: 0.7948 - auc_104:
0.5211 - val_loss: 0.7700 - val_auc_104: 0.4997
Epoch 546/700

267/267 [=====] - 1s 3ms/step - loss: 0.7906 - auc_104:
0.5191 - val_loss: 0.9034 - val_auc_104: 0.5033
Epoch 547/700
267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_104:
0.5191 - val_loss: 1.0392 - val_auc_104: 0.5065
Epoch 548/700
267/267 [=====] - 1s 3ms/step - loss: 0.7960 - auc_104:
0.5182 - val_loss: 0.7219 - val_auc_104: 0.5128
Epoch 549/700
267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_104:
0.5163 - val_loss: 0.8646 - val_auc_104: 0.5068
Epoch 550/700
267/267 [=====] - 1s 3ms/step - loss: 0.8238 - auc_104:
0.5153 - val_loss: 0.8611 - val_auc_104: 0.5035
Epoch 551/700
267/267 [=====] - 1s 3ms/step - loss: 0.7588 - auc_104:
0.5191 - val_loss: 0.7126 - val_auc_104: 0.5134
Epoch 552/700
267/267 [=====] - 1s 3ms/step - loss: 0.7483 - auc_104:
0.5175 - val_loss: 0.7464 - val_auc_104: 0.5113
Epoch 553/700
267/267 [=====] - 1s 3ms/step - loss: 0.7550 - auc_104:
0.5182 - val_loss: 0.7393 - val_auc_104: 0.5087
Epoch 554/700
267/267 [=====] - 1s 3ms/step - loss: 0.7686 - auc_104:
0.5189 - val_loss: 0.8445 - val_auc_104: 0.5091
Epoch 555/700
267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_104:
0.5170 - val_loss: 0.7480 - val_auc_104: 0.5037
Epoch 556/700
267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_104:
0.5162 - val_loss: 0.7081 - val_auc_104: 0.5104
Epoch 557/700
267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_104:
0.5167 - val_loss: 0.7516 - val_auc_104: 0.5089
Epoch 558/700
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_104:
0.5179 - val_loss: 0.7669 - val_auc_104: 0.5116
Epoch 559/700
267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_104:
0.5189 - val_loss: 0.7786 - val_auc_104: 0.5130
Epoch 560/700
267/267 [=====] - 1s 3ms/step - loss: 0.7688 - auc_104:
0.5201 - val_loss: 0.9176 - val_auc_104: 0.5115
Epoch 561/700
267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_104:
0.5188 - val_loss: 0.7431 - val_auc_104: 0.5016
Epoch 562/700

267/267 [=====] - 1s 3ms/step - loss: 0.7579 - auc_104:
 0.5178 - val_loss: 0.8024 - val_auc_104: 0.5117
 Epoch 563/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8106 - auc_104:
 0.5168 - val_loss: 0.8006 - val_auc_104: 0.5088
 Epoch 564/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_104:
 0.5179 - val_loss: 0.7451 - val_auc_104: 0.5061
 Epoch 565/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_104:
 0.5159 - val_loss: 0.9420 - val_auc_104: 0.5064
 Epoch 566/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_104:
 0.5181 - val_loss: 0.7540 - val_auc_104: 0.5141
 Epoch 567/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8059 - auc_104:
 0.5164 - val_loss: 0.9297 - val_auc_104: 0.5085
 Epoch 568/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_104:
 0.5169 - val_loss: 0.7637 - val_auc_104: 0.5063
 Epoch 569/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7877 - auc_104:
 0.5160 - val_loss: 0.7991 - val_auc_104: 0.5083
 Epoch 570/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_104:
 0.5164 - val_loss: 0.7348 - val_auc_104: 0.5175
 Epoch 571/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7862 - auc_104:
 0.5176 - val_loss: 0.8160 - val_auc_104: 0.5095
 Epoch 572/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7854 - auc_104:
 0.5162 - val_loss: 0.8383 - val_auc_104: 0.5145
 Epoch 573/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7976 - auc_104:
 0.5182 - val_loss: 0.7787 - val_auc_104: 0.5106
 Epoch 574/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7831 - auc_104:
 0.5165 - val_loss: 0.7776 - val_auc_104: 0.5055
 Epoch 575/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7687 - auc_104:
 0.5149 - val_loss: 0.7362 - val_auc_104: 0.5130
 Epoch 576/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7549 - auc_104:
 0.5179 - val_loss: 0.8056 - val_auc_104: 0.5143
 Epoch 577/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_104:
 0.5209 - val_loss: 0.7656 - val_auc_104: 0.5030
 Epoch 578/700

267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_104:
 0.5180 - val_loss: 0.7644 - val_auc_104: 0.5114
 Epoch 579/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8134 - auc_104:
 0.5151 - val_loss: 0.9227 - val_auc_104: 0.5138
 Epoch 580/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8070 - auc_104:
 0.5202 - val_loss: 0.7190 - val_auc_104: 0.5087
 Epoch 581/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7515 - auc_104:
 0.5193 - val_loss: 0.7558 - val_auc_104: 0.5128
 Epoch 582/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_104:
 0.5159 - val_loss: 0.8033 - val_auc_104: 0.5097
 Epoch 583/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7737 - auc_104:
 0.5187 - val_loss: 0.8623 - val_auc_104: 0.5121
 Epoch 584/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_104:
 0.5179 - val_loss: 0.8621 - val_auc_104: 0.5064
 Epoch 585/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8025 - auc_104:
 0.5172 - val_loss: 0.8953 - val_auc_104: 0.5077
 Epoch 586/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_104:
 0.5187 - val_loss: 0.7446 - val_auc_104: 0.5082
 Epoch 587/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7696 - auc_104:
 0.5187 - val_loss: 0.7805 - val_auc_104: 0.5074
 Epoch 588/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_104:
 0.5194 - val_loss: 0.7398 - val_auc_104: 0.5100
 Epoch 589/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_104:
 0.5169 - val_loss: 0.8516 - val_auc_104: 0.5123
 Epoch 590/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_104:
 0.5181 - val_loss: 0.7720 - val_auc_104: 0.5094
 Epoch 591/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_104:
 0.5171 - val_loss: 0.7850 - val_auc_104: 0.5121
 Epoch 592/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_104:
 0.5187 - val_loss: 0.7629 - val_auc_104: 0.5119
 Epoch 593/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_104:
 0.5160 - val_loss: 0.7458 - val_auc_104: 0.5040
 Epoch 594/700

267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_104:
 0.5199 - val_loss: 0.7639 - val_auc_104: 0.5080
 Epoch 595/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_104:
 0.5170 - val_loss: 0.7465 - val_auc_104: 0.5080
 Epoch 596/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_104:
 0.5168 - val_loss: 0.7584 - val_auc_104: 0.5093
 Epoch 597/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8021 - auc_104:
 0.5174 - val_loss: 0.8050 - val_auc_104: 0.5066
 Epoch 598/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7645 - auc_104:
 0.5150 - val_loss: 0.7442 - val_auc_104: 0.5095
 Epoch 599/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_104:
 0.5178 - val_loss: 0.8979 - val_auc_104: 0.5095
 Epoch 600/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7633 - auc_104:
 0.5183 - val_loss: 0.7940 - val_auc_104: 0.5104
 Epoch 601/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7873 - auc_104:
 0.5183 - val_loss: 0.7506 - val_auc_104: 0.5127
 Epoch 602/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_104:
 0.5202 - val_loss: 0.7545 - val_auc_104: 0.5150
 Epoch 603/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7717 - auc_104:
 0.5171 - val_loss: 0.7677 - val_auc_104: 0.5168
 Epoch 604/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_104:
 0.5205 - val_loss: 0.7844 - val_auc_104: 0.5048
 Epoch 605/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_104:
 0.5170 - val_loss: 0.7709 - val_auc_104: 0.5129
 Epoch 606/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7996 - auc_104:
 0.5189 - val_loss: 0.8525 - val_auc_104: 0.5119
 Epoch 607/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8003 - auc_104:
 0.5183 - val_loss: 0.7372 - val_auc_104: 0.5028
 Epoch 608/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7757 - auc_104:
 0.5165 - val_loss: 0.7884 - val_auc_104: 0.5110
 Epoch 609/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7711 - auc_104:
 0.5179 - val_loss: 0.7451 - val_auc_104: 0.5111
 Epoch 610/700

267/267 [=====] - 1s 3ms/step - loss: 0.7584 - auc_104:
0.5200 - val_loss: 0.8131 - val_auc_104: 0.5118
Epoch 611/700
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_104:
0.5197 - val_loss: 0.8092 - val_auc_104: 0.5119
Epoch 612/700
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_104:
0.5167 - val_loss: 0.7960 - val_auc_104: 0.5113
Epoch 613/700
267/267 [=====] - 1s 3ms/step - loss: 0.7694 - auc_104:
0.5176 - val_loss: 0.7159 - val_auc_104: 0.5118
Epoch 614/700
267/267 [=====] - 1s 3ms/step - loss: 0.7995 - auc_104:
0.5139 - val_loss: 0.7733 - val_auc_104: 0.5074
Epoch 615/700
267/267 [=====] - 1s 3ms/step - loss: 0.7828 - auc_104:
0.5187 - val_loss: 0.8429 - val_auc_104: 0.5137
Epoch 616/700
267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_104:
0.5183 - val_loss: 0.8348 - val_auc_104: 0.5108
Epoch 617/700
267/267 [=====] - 1s 3ms/step - loss: 0.8053 - auc_104:
0.5170 - val_loss: 0.7378 - val_auc_104: 0.5108
Epoch 618/700
267/267 [=====] - 1s 3ms/step - loss: 0.7609 - auc_104:
0.5197 - val_loss: 0.7362 - val_auc_104: 0.5086
Epoch 619/700
267/267 [=====] - 1s 3ms/step - loss: 0.7688 - auc_104:
0.5184 - val_loss: 0.7832 - val_auc_104: 0.5129
Epoch 620/700
267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_104:
0.5157 - val_loss: 0.8265 - val_auc_104: 0.5062
Epoch 621/700
267/267 [=====] - 1s 3ms/step - loss: 0.8181 - auc_104:
0.5173 - val_loss: 0.7303 - val_auc_104: 0.5058
Epoch 622/700
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_104:
0.5171 - val_loss: 0.7629 - val_auc_104: 0.5060
Epoch 623/700
267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_104:
0.5189 - val_loss: 0.7621 - val_auc_104: 0.5025
Epoch 624/700
267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_104:
0.5172 - val_loss: 0.7414 - val_auc_104: 0.5080
Epoch 625/700
267/267 [=====] - 1s 3ms/step - loss: 0.7565 - auc_104:
0.5164 - val_loss: 0.7774 - val_auc_104: 0.5138
Epoch 626/700

267/267 [=====] - 1s 3ms/step - loss: 0.7985 - auc_104:
0.5166 - val_loss: 0.7571 - val_auc_104: 0.5077
Epoch 627/700
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_104:
0.5195 - val_loss: 0.7694 - val_auc_104: 0.5134
Epoch 628/700
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_104:
0.5185 - val_loss: 0.7416 - val_auc_104: 0.5146
Epoch 629/700
267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_104:
0.5173 - val_loss: 0.7790 - val_auc_104: 0.5127
Epoch 630/700
267/267 [=====] - 1s 3ms/step - loss: 0.7810 - auc_104:
0.5188 - val_loss: 0.7862 - val_auc_104: 0.5103
Epoch 631/700
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_104:
0.5184 - val_loss: 0.7894 - val_auc_104: 0.5145
Epoch 632/700
267/267 [=====] - 1s 3ms/step - loss: 0.7983 - auc_104:
0.5186 - val_loss: 0.7891 - val_auc_104: 0.5054
Epoch 633/700
267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_104:
0.5200 - val_loss: 0.8398 - val_auc_104: 0.5076
Epoch 634/700
267/267 [=====] - 1s 3ms/step - loss: 0.7679 - auc_104:
0.5201 - val_loss: 0.7687 - val_auc_104: 0.5117
Epoch 635/700
267/267 [=====] - 1s 3ms/step - loss: 0.7642 - auc_104:
0.5184 - val_loss: 0.7639 - val_auc_104: 0.5119
Epoch 636/700
267/267 [=====] - 1s 3ms/step - loss: 0.7710 - auc_104:
0.5203 - val_loss: 0.7379 - val_auc_104: 0.5063
Epoch 637/700
267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_104:
0.5175 - val_loss: 0.8506 - val_auc_104: 0.5088
Epoch 638/700
267/267 [=====] - 1s 3ms/step - loss: 0.7863 - auc_104:
0.5193 - val_loss: 0.7577 - val_auc_104: 0.5098
Epoch 639/700
267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_104:
0.5189 - val_loss: 0.8292 - val_auc_104: 0.5100
Epoch 640/700
267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_104:
0.5203 - val_loss: 0.7370 - val_auc_104: 0.5060
Epoch 641/700
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_104:
0.5210 - val_loss: 0.7559 - val_auc_104: 0.5085
Epoch 642/700

267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_104:
 0.5148 - val_loss: 0.7502 - val_auc_104: 0.5047
 Epoch 643/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_104:
 0.5177 - val_loss: 0.7437 - val_auc_104: 0.5132
 Epoch 644/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_104:
 0.5194 - val_loss: 0.8007 - val_auc_104: 0.5095
 Epoch 645/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7638 - auc_104:
 0.5198 - val_loss: 0.7610 - val_auc_104: 0.5099
 Epoch 646/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7621 - auc_104:
 0.5198 - val_loss: 0.7137 - val_auc_104: 0.5047
 Epoch 647/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7727 - auc_104:
 0.5163 - val_loss: 0.7343 - val_auc_104: 0.5124
 Epoch 648/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_104:
 0.5168 - val_loss: 0.7518 - val_auc_104: 0.5157
 Epoch 649/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7866 - auc_104:
 0.5177 - val_loss: 0.9596 - val_auc_104: 0.5151
 Epoch 650/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8106 - auc_104:
 0.5174 - val_loss: 0.8234 - val_auc_104: 0.5171
 Epoch 651/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_104:
 0.5180 - val_loss: 0.7779 - val_auc_104: 0.5088
 Epoch 652/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_104:
 0.5193 - val_loss: 0.8072 - val_auc_104: 0.5130
 Epoch 653/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8098 - auc_104:
 0.5173 - val_loss: 0.7618 - val_auc_104: 0.5154
 Epoch 654/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7593 - auc_104:
 0.5197 - val_loss: 0.7411 - val_auc_104: 0.5096
 Epoch 655/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_104:
 0.5183 - val_loss: 0.7730 - val_auc_104: 0.5086
 Epoch 656/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8151 - auc_104:
 0.5195 - val_loss: 0.7925 - val_auc_104: 0.5057
 Epoch 657/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7693 - auc_104:
 0.5184 - val_loss: 0.8607 - val_auc_104: 0.5116
 Epoch 658/700

267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_104:
 0.5208 - val_loss: 0.8554 - val_auc_104: 0.5102
 Epoch 659/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7940 - auc_104:
 0.5155 - val_loss: 0.7891 - val_auc_104: 0.5127
 Epoch 660/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_104:
 0.5211 - val_loss: 0.7539 - val_auc_104: 0.5072
 Epoch 661/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7669 - auc_104:
 0.5177 - val_loss: 0.7869 - val_auc_104: 0.5130
 Epoch 662/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_104:
 0.5175 - val_loss: 0.7826 - val_auc_104: 0.5104
 Epoch 663/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7995 - auc_104:
 0.5172 - val_loss: 0.7442 - val_auc_104: 0.5127
 Epoch 664/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7954 - auc_104:
 0.5181 - val_loss: 0.7447 - val_auc_104: 0.5096
 Epoch 665/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_104:
 0.5163 - val_loss: 0.8067 - val_auc_104: 0.5091
 Epoch 666/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_104:
 0.5198 - val_loss: 0.7255 - val_auc_104: 0.5141
 Epoch 667/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_104:
 0.5179 - val_loss: 0.8098 - val_auc_104: 0.5117
 Epoch 668/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_104:
 0.5157 - val_loss: 0.8114 - val_auc_104: 0.5084
 Epoch 669/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8043 - auc_104:
 0.5198 - val_loss: 0.7603 - val_auc_104: 0.5127
 Epoch 670/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7804 - auc_104:
 0.5202 - val_loss: 0.8938 - val_auc_104: 0.5059
 Epoch 671/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_104:
 0.5178 - val_loss: 0.7457 - val_auc_104: 0.5094
 Epoch 672/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7735 - auc_104:
 0.5192 - val_loss: 0.8258 - val_auc_104: 0.5066
 Epoch 673/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7850 - auc_104:
 0.5188 - val_loss: 0.7793 - val_auc_104: 0.5118
 Epoch 674/700

267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_104:
 0.5161 - val_loss: 0.8368 - val_auc_104: 0.5095
 Epoch 675/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_104:
 0.5172 - val_loss: 0.8315 - val_auc_104: 0.5106
 Epoch 676/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8127 - auc_104:
 0.5186 - val_loss: 0.8379 - val_auc_104: 0.5094
 Epoch 677/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8106 - auc_104:
 0.5191 - val_loss: 0.7848 - val_auc_104: 0.5078
 Epoch 678/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7804 - auc_104:
 0.5192 - val_loss: 0.7754 - val_auc_104: 0.5131
 Epoch 679/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_104:
 0.5194 - val_loss: 0.8038 - val_auc_104: 0.5104
 Epoch 680/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7929 - auc_104:
 0.5181 - val_loss: 0.7961 - val_auc_104: 0.5127
 Epoch 681/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7582 - auc_104:
 0.5186 - val_loss: 0.8135 - val_auc_104: 0.5087
 Epoch 682/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_104:
 0.5191 - val_loss: 0.8088 - val_auc_104: 0.5135
 Epoch 683/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_104:
 0.5185 - val_loss: 0.7769 - val_auc_104: 0.5139
 Epoch 684/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7445 - auc_104:
 0.5195 - val_loss: 0.7809 - val_auc_104: 0.5130
 Epoch 685/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7674 - auc_104:
 0.5204 - val_loss: 0.8379 - val_auc_104: 0.5148
 Epoch 686/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_104:
 0.5169 - val_loss: 0.8623 - val_auc_104: 0.5107
 Epoch 687/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_104:
 0.5162 - val_loss: 0.7855 - val_auc_104: 0.5102
 Epoch 688/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_104:
 0.5183 - val_loss: 0.7512 - val_auc_104: 0.5154
 Epoch 689/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7978 - auc_104:
 0.5166 - val_loss: 0.8202 - val_auc_104: 0.5099
 Epoch 690/700


```

267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_104:
0.5180 - val_loss: 0.8985 - val_auc_104: 0.5067
Epoch 691/700
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_104:
0.5203 - val_loss: 0.7694 - val_auc_104: 0.5124
Epoch 692/700
267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_104:
0.5182 - val_loss: 0.8747 - val_auc_104: 0.5102
Epoch 693/700
267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_104:
0.5211 - val_loss: 0.8147 - val_auc_104: 0.5124
Epoch 694/700
267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_104:
0.5170 - val_loss: 0.7953 - val_auc_104: 0.5052
Epoch 695/700
267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_104:
0.5200 - val_loss: 0.7150 - val_auc_104: 0.5169
Epoch 696/700
267/267 [=====] - 1s 3ms/step - loss: 0.8032 - auc_104:
0.5212 - val_loss: 0.7630 - val_auc_104: 0.5120
Epoch 697/700
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_104:
0.5202 - val_loss: 0.8135 - val_auc_104: 0.5146
Epoch 698/700
267/267 [=====] - 1s 3ms/step - loss: 0.7694 - auc_104:
0.5217 - val_loss: 0.8360 - val_auc_104: 0.5099
Epoch 699/700
267/267 [=====] - 1s 3ms/step - loss: 0.8025 - auc_104:
0.5178 - val_loss: 0.8442 - val_auc_104: 0.5112
Epoch 700/700
267/267 [=====] - 1s 3ms/step - loss: 0.8131 - auc_104:
0.5194 - val_loss: 0.7527 - val_auc_104: 0.5101
1/625 [...] - ETA: 0sWARNING:tensorflow:Callbacks
method `on_predict_batch_end` is slow compared to the batch time (batch time:
0.0000s vs `on_predict_batch_end` time: 0.0010s). Check your callbacks.
625/625 [=====] - 0s 581us/step
[CV] ... epochs=700, learning_rate=0.001, score=0.520, total= 9.0min
[CV] epochs=700, learning_rate=0.001 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 3.1469 - auc_105:
0.5020 - val_loss: 1.1778 - val_auc_105: 0.4942
Epoch 2/700
267/267 [=====] - 1s 3ms/step - loss: 1.0474 - auc_105:
0.4978 - val_loss: 1.0531 - val_auc_105: 0.4961
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 0.9973 - auc_105:
0.4990 - val_loss: 1.0057 - val_auc_105: 0.4958
Epoch 4/700

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267/267 [=====] - 1s 3ms/step - loss: 0.9880 - auc_105:
0.4992 - val_loss: 1.0006 - val_auc_105: 0.5011
Epoch 5/700
267/267 [=====] - 1s 3ms/step - loss: 0.9707 - auc_105:
0.5010 - val_loss: 0.9554 - val_auc_105: 0.4999
Epoch 6/700
267/267 [=====] - 1s 3ms/step - loss: 0.9446 - auc_105:
0.4995 - val_loss: 1.1484 - val_auc_105: 0.4990
Epoch 7/700
267/267 [=====] - 1s 3ms/step - loss: 0.9326 - auc_105:
0.5009 - val_loss: 0.9217 - val_auc_105: 0.5006
Epoch 8/700
267/267 [=====] - 1s 3ms/step - loss: 0.9459 - auc_105:
0.5017 - val_loss: 0.9579 - val_auc_105: 0.4977
Epoch 9/700
267/267 [=====] - 1s 3ms/step - loss: 0.9147 - auc_105:
0.5024 - val_loss: 0.9907 - val_auc_105: 0.5004
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 0.9099 - auc_105:
0.5032 - val_loss: 1.0068 - val_auc_105: 0.5081
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 0.8978 - auc_105:
0.5040 - val_loss: 0.9699 - val_auc_105: 0.5024
Epoch 12/700
267/267 [=====] - 1s 3ms/step - loss: 0.9103 - auc_105:
0.5038 - val_loss: 0.9314 - val_auc_105: 0.5061
Epoch 13/700
267/267 [=====] - 1s 3ms/step - loss: 0.8605 - auc_105:
0.5050 - val_loss: 1.0144 - val_auc_105: 0.4998
Epoch 14/700
267/267 [=====] - 1s 3ms/step - loss: 0.9012 - auc_105:
0.5043 - val_loss: 1.0470 - val_auc_105: 0.5043
Epoch 15/700
267/267 [=====] - 1s 3ms/step - loss: 0.8818 - auc_105:
0.5049 - val_loss: 0.8964 - val_auc_105: 0.5034
Epoch 16/700
267/267 [=====] - 1s 3ms/step - loss: 0.8734 - auc_105:
0.5045 - val_loss: 0.8771 - val_auc_105: 0.5030
Epoch 17/700
267/267 [=====] - 1s 3ms/step - loss: 0.8682 - auc_105:
0.5055 - val_loss: 0.9453 - val_auc_105: 0.5087
Epoch 18/700
267/267 [=====] - 1s 3ms/step - loss: 0.8695 - auc_105:
0.5052 - val_loss: 0.8670 - val_auc_105: 0.5064
Epoch 19/700
267/267 [=====] - 1s 3ms/step - loss: 0.8409 - auc_105:
0.5062 - val_loss: 0.8464 - val_auc_105: 0.5086
Epoch 20/700

267/267 [=====] - 1s 3ms/step - loss: 0.8391 - auc_105:
0.5057 - val_loss: 0.8871 - val_auc_105: 0.5055
Epoch 21/700
267/267 [=====] - 1s 3ms/step - loss: 0.8652 - auc_105:
0.5080 - val_loss: 0.9481 - val_auc_105: 0.4998
Epoch 22/700
267/267 [=====] - 1s 3ms/step - loss: 0.8522 - auc_105:
0.5056 - val_loss: 0.8929 - val_auc_105: 0.5097
Epoch 23/700
267/267 [=====] - 1s 3ms/step - loss: 0.8419 - auc_105:
0.5053 - val_loss: 0.8599 - val_auc_105: 0.5028
Epoch 24/700
267/267 [=====] - 1s 3ms/step - loss: 0.8436 - auc_105:
0.5059 - val_loss: 0.8264 - val_auc_105: 0.5095
Epoch 25/700
267/267 [=====] - 1s 3ms/step - loss: 0.8251 - auc_105:
0.5090 - val_loss: 0.8197 - val_auc_105: 0.5074
Epoch 26/700
267/267 [=====] - 1s 3ms/step - loss: 0.8340 - auc_105:
0.5062 - val_loss: 0.8486 - val_auc_105: 0.5033
Epoch 27/700
267/267 [=====] - 1s 3ms/step - loss: 0.8308 - auc_105:
0.5082 - val_loss: 0.8126 - val_auc_105: 0.5067
Epoch 28/700
267/267 [=====] - 1s 3ms/step - loss: 0.8542 - auc_105:
0.5068 - val_loss: 0.8869 - val_auc_105: 0.5073
Epoch 29/700
267/267 [=====] - 1s 3ms/step - loss: 0.8275 - auc_105:
0.5066 - val_loss: 0.9000 - val_auc_105: 0.5069
Epoch 30/700
267/267 [=====] - 1s 3ms/step - loss: 0.8343 - auc_105:
0.5086 - val_loss: 0.8224 - val_auc_105: 0.5039
Epoch 31/700
267/267 [=====] - 1s 3ms/step - loss: 0.8256 - auc_105:
0.5070 - val_loss: 0.7965 - val_auc_105: 0.5059
Epoch 32/700
267/267 [=====] - 1s 3ms/step - loss: 0.8371 - auc_105:
0.5086 - val_loss: 0.8514 - val_auc_105: 0.5086
Epoch 33/700
267/267 [=====] - 1s 3ms/step - loss: 0.8285 - auc_105:
0.5081 - val_loss: 0.8371 - val_auc_105: 0.5053
Epoch 34/700
267/267 [=====] - 1s 3ms/step - loss: 0.8399 - auc_105:
0.5062 - val_loss: 0.7963 - val_auc_105: 0.5029
Epoch 35/700
267/267 [=====] - 1s 3ms/step - loss: 0.8306 - auc_105:
0.5073 - val_loss: 0.7687 - val_auc_105: 0.5055
Epoch 36/700

267/267 [=====] - 1s 3ms/step - loss: 0.8004 - auc_105:
0.5080 - val_loss: 0.8403 - val_auc_105: 0.5027
Epoch 37/700
267/267 [=====] - 1s 3ms/step - loss: 0.8085 - auc_105:
0.5053 - val_loss: 0.7833 - val_auc_105: 0.5094
Epoch 38/700
267/267 [=====] - 1s 3ms/step - loss: 0.8274 - auc_105:
0.5104 - val_loss: 0.7993 - val_auc_105: 0.5049
Epoch 39/700
267/267 [=====] - 1s 3ms/step - loss: 0.8263 - auc_105:
0.5067 - val_loss: 0.8843 - val_auc_105: 0.5104
Epoch 40/700
267/267 [=====] - 1s 3ms/step - loss: 0.8027 - auc_105:
0.5093 - val_loss: 0.7710 - val_auc_105: 0.5082
Epoch 41/700
267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_105:
0.5073 - val_loss: 0.7934 - val_auc_105: 0.5048
Epoch 42/700
267/267 [=====] - 1s 3ms/step - loss: 0.8020 - auc_105:
0.5098 - val_loss: 0.7709 - val_auc_105: 0.5106
Epoch 43/700
267/267 [=====] - 1s 3ms/step - loss: 0.8222 - auc_105:
0.5066 - val_loss: 0.8166 - val_auc_105: 0.5080
Epoch 44/700
267/267 [=====] - 1s 3ms/step - loss: 0.7997 - auc_105:
0.5072 - val_loss: 0.7896 - val_auc_105: 0.5021
Epoch 45/700
267/267 [=====] - 1s 3ms/step - loss: 0.7951 - auc_105:
0.5084 - val_loss: 0.7464 - val_auc_105: 0.5078
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 0.8082 - auc_105:
0.5071 - val_loss: 0.8171 - val_auc_105: 0.5089
Epoch 47/700
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_105:
0.5099 - val_loss: 0.8199 - val_auc_105: 0.5071
Epoch 48/700
267/267 [=====] - 1s 3ms/step - loss: 0.8077 - auc_105:
0.5096 - val_loss: 0.7897 - val_auc_105: 0.5100
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 0.7877 - auc_105:
0.5096 - val_loss: 0.8768 - val_auc_105: 0.5059
Epoch 50/700
267/267 [=====] - 1s 3ms/step - loss: 0.8196 - auc_105:
0.5086 - val_loss: 0.8416 - val_auc_105: 0.5123
Epoch 51/700
267/267 [=====] - 1s 3ms/step - loss: 0.7944 - auc_105:
0.5089 - val_loss: 0.7811 - val_auc_105: 0.5132
Epoch 52/700

267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_105:
0.5080 - val_loss: 0.7575 - val_auc_105: 0.5061
Epoch 53/700
267/267 [=====] - 1s 3ms/step - loss: 0.7938 - auc_105:
0.5093 - val_loss: 0.7624 - val_auc_105: 0.5108
Epoch 54/700
267/267 [=====] - 1s 3ms/step - loss: 0.7890 - auc_105:
0.5093 - val_loss: 0.7385 - val_auc_105: 0.5075
Epoch 55/700
267/267 [=====] - 1s 3ms/step - loss: 0.7937 - auc_105:
0.5100 - val_loss: 0.7994 - val_auc_105: 0.5066
Epoch 56/700
267/267 [=====] - 1s 3ms/step - loss: 0.8049 - auc_105:
0.5075 - val_loss: 0.8010 - val_auc_105: 0.5119
Epoch 57/700
267/267 [=====] - 1s 3ms/step - loss: 0.8064 - auc_105:
0.5085 - val_loss: 0.8211 - val_auc_105: 0.5028
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 0.8074 - auc_105:
0.5091 - val_loss: 0.7912 - val_auc_105: 0.5085
Epoch 59/700
267/267 [=====] - 1s 3ms/step - loss: 0.7868 - auc_105:
0.5113 - val_loss: 0.7274 - val_auc_105: 0.5091
Epoch 60/700
267/267 [=====] - 1s 3ms/step - loss: 0.8082 - auc_105:
0.5112 - val_loss: 0.8152 - val_auc_105: 0.5125
Epoch 61/700
267/267 [=====] - 1s 3ms/step - loss: 0.8037 - auc_105:
0.5109 - val_loss: 0.7619 - val_auc_105: 0.5118
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_105:
0.5103 - val_loss: 0.8115 - val_auc_105: 0.5078
Epoch 63/700
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_105:
0.5100 - val_loss: 0.7646 - val_auc_105: 0.5081
Epoch 64/700
267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_105:
0.5099 - val_loss: 0.9547 - val_auc_105: 0.5052
Epoch 65/700
267/267 [=====] - 1s 3ms/step - loss: 0.8358 - auc_105:
0.5081 - val_loss: 0.7889 - val_auc_105: 0.5105
Epoch 66/700
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_105:
0.5104 - val_loss: 0.7739 - val_auc_105: 0.5104
Epoch 67/700
267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_105:
0.5106 - val_loss: 0.7683 - val_auc_105: 0.5055
Epoch 68/700

267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_105:
0.5085 - val_loss: 0.7868 - val_auc_105: 0.5130
Epoch 69/700
267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_105:
0.5113 - val_loss: 0.7847 - val_auc_105: 0.5026
Epoch 70/700
267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_105:
0.5102 - val_loss: 0.7765 - val_auc_105: 0.5070
Epoch 71/700
267/267 [=====] - 1s 3ms/step - loss: 0.8085 - auc_105:
0.5104 - val_loss: 0.8519 - val_auc_105: 0.5073
Epoch 72/700
267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_105:
0.5091 - val_loss: 0.7925 - val_auc_105: 0.5069
Epoch 73/700
267/267 [=====] - 1s 3ms/step - loss: 0.7941 - auc_105:
0.5098 - val_loss: 0.7837 - val_auc_105: 0.5110
Epoch 74/700
267/267 [=====] - 1s 3ms/step - loss: 0.8105 - auc_105:
0.5107 - val_loss: 0.8053 - val_auc_105: 0.5061
Epoch 75/700
267/267 [=====] - 1s 3ms/step - loss: 0.7994 - auc_105:
0.5102 - val_loss: 0.7727 - val_auc_105: 0.5098
Epoch 76/700
267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_105:
0.5099 - val_loss: 0.9137 - val_auc_105: 0.5030
Epoch 77/700
267/267 [=====] - 1s 3ms/step - loss: 0.7942 - auc_105:
0.5099 - val_loss: 0.8479 - val_auc_105: 0.5099
Epoch 78/700
267/267 [=====] - 1s 3ms/step - loss: 0.8058 - auc_105:
0.5104 - val_loss: 0.8302 - val_auc_105: 0.5108
Epoch 79/700
267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_105:
0.5105 - val_loss: 0.8369 - val_auc_105: 0.5090
Epoch 80/700
267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_105:
0.5120 - val_loss: 0.8329 - val_auc_105: 0.5044
Epoch 81/700
267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_105:
0.5107 - val_loss: 0.7525 - val_auc_105: 0.5160
Epoch 82/700
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_105:
0.5095 - val_loss: 0.7849 - val_auc_105: 0.5104
Epoch 83/700
267/267 [=====] - 1s 3ms/step - loss: 0.7950 - auc_105:
0.5097 - val_loss: 0.7522 - val_auc_105: 0.5136
Epoch 84/700

267/267 [=====] - 1s 3ms/step - loss: 0.7984 - auc_105:
0.5112 - val_loss: 0.7740 - val_auc_105: 0.5058
Epoch 85/700
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_105:
0.5104 - val_loss: 0.7620 - val_auc_105: 0.5048
Epoch 86/700
267/267 [=====] - 1s 3ms/step - loss: 0.8085 - auc_105:
0.5109 - val_loss: 0.7659 - val_auc_105: 0.5072
Epoch 87/700
267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_105:
0.5102 - val_loss: 0.8630 - val_auc_105: 0.5076
Epoch 88/700
267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_105:
0.5114 - val_loss: 0.7851 - val_auc_105: 0.5101
Epoch 89/700
267/267 [=====] - 1s 3ms/step - loss: 0.7742 - auc_105:
0.5114 - val_loss: 0.8396 - val_auc_105: 0.5066
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 0.7942 - auc_105:
0.5118 - val_loss: 0.7466 - val_auc_105: 0.5060
Epoch 91/700
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_105:
0.5105 - val_loss: 0.8243 - val_auc_105: 0.5085
Epoch 92/700
267/267 [=====] - 1s 3ms/step - loss: 0.8068 - auc_105:
0.5111 - val_loss: 0.9242 - val_auc_105: 0.5036
Epoch 93/700
267/267 [=====] - 1s 3ms/step - loss: 0.8078 - auc_105:
0.5109 - val_loss: 0.8642 - val_auc_105: 0.5113
Epoch 94/700
267/267 [=====] - 1s 3ms/step - loss: 0.8147 - auc_105:
0.5099 - val_loss: 0.8250 - val_auc_105: 0.5142
Epoch 95/700
267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_105:
0.5111 - val_loss: 0.7957 - val_auc_105: 0.5123
Epoch 96/700
267/267 [=====] - 1s 3ms/step - loss: 0.7965 - auc_105:
0.5124 - val_loss: 0.7475 - val_auc_105: 0.5181
Epoch 97/700
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_105:
0.5097 - val_loss: 0.9832 - val_auc_105: 0.5079
Epoch 98/700
267/267 [=====] - 1s 3ms/step - loss: 0.7918 - auc_105:
0.5110 - val_loss: 0.7707 - val_auc_105: 0.5121
Epoch 99/700
267/267 [=====] - 1s 3ms/step - loss: 0.7972 - auc_105:
0.5111 - val_loss: 0.7416 - val_auc_105: 0.5118
Epoch 100/700

267/267 [=====] - 1s 3ms/step - loss: 0.7947 - auc_105:
0.5120 - val_loss: 0.8210 - val_auc_105: 0.5084
Epoch 101/700
267/267 [=====] - 1s 3ms/step - loss: 0.8081 - auc_105:
0.5115 - val_loss: 0.7916 - val_auc_105: 0.5141
Epoch 102/700
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_105:
0.5138 - val_loss: 0.7934 - val_auc_105: 0.5076
Epoch 103/700
267/267 [=====] - 1s 3ms/step - loss: 0.8006 - auc_105:
0.5115 - val_loss: 0.8294 - val_auc_105: 0.5062
Epoch 104/700
267/267 [=====] - 1s 3ms/step - loss: 0.7914 - auc_105:
0.5137 - val_loss: 0.7755 - val_auc_105: 0.5088
Epoch 105/700
267/267 [=====] - 1s 3ms/step - loss: 0.7892 - auc_105:
0.5120 - val_loss: 0.7755 - val_auc_105: 0.5122
Epoch 106/700
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_105:
0.5106 - val_loss: 0.7655 - val_auc_105: 0.5097
Epoch 107/700
267/267 [=====] - 1s 3ms/step - loss: 0.7757 - auc_105:
0.5138 - val_loss: 0.9064 - val_auc_105: 0.5090
Epoch 108/700
267/267 [=====] - 1s 3ms/step - loss: 0.8310 - auc_105:
0.5112 - val_loss: 0.7750 - val_auc_105: 0.5078
Epoch 109/700
267/267 [=====] - 1s 3ms/step - loss: 0.8428 - auc_105:
0.5114 - val_loss: 0.7678 - val_auc_105: 0.5101
Epoch 110/700
267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_105:
0.5136 - val_loss: 0.8285 - val_auc_105: 0.5133
Epoch 111/700
267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_105:
0.5121 - val_loss: 0.7549 - val_auc_105: 0.5168
Epoch 112/700
267/267 [=====] - 1s 3ms/step - loss: 0.7659 - auc_105:
0.5138 - val_loss: 0.7805 - val_auc_105: 0.5151
Epoch 113/700
267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_105:
0.5114 - val_loss: 0.7453 - val_auc_105: 0.5137
Epoch 114/700
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_105:
0.5112 - val_loss: 0.7433 - val_auc_105: 0.5066
Epoch 115/700
267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_105:
0.5125 - val_loss: 0.8454 - val_auc_105: 0.5089
Epoch 116/700

267/267 [=====] - 1s 3ms/step - loss: 0.7899 - auc_105:
0.5134 - val_loss: 0.7551 - val_auc_105: 0.5113
Epoch 117/700
267/267 [=====] - 1s 3ms/step - loss: 0.7694 - auc_105:
0.5117 - val_loss: 0.7586 - val_auc_105: 0.5163
Epoch 118/700
267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_105:
0.5129 - val_loss: 0.8679 - val_auc_105: 0.5102
Epoch 119/700
267/267 [=====] - 1s 3ms/step - loss: 0.7911 - auc_105:
0.5115 - val_loss: 0.8634 - val_auc_105: 0.5065
Epoch 120/700
267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_105:
0.5131 - val_loss: 0.7357 - val_auc_105: 0.5176
Epoch 121/700
267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_105:
0.5148 - val_loss: 0.7825 - val_auc_105: 0.5116
Epoch 122/700
267/267 [=====] - 1s 3ms/step - loss: 0.7825 - auc_105:
0.5128 - val_loss: 0.7817 - val_auc_105: 0.5047
Epoch 123/700
267/267 [=====] - 1s 3ms/step - loss: 0.7651 - auc_105:
0.5118 - val_loss: 0.7691 - val_auc_105: 0.5193
Epoch 124/700
267/267 [=====] - 1s 3ms/step - loss: 0.7873 - auc_105:
0.5135 - val_loss: 0.7833 - val_auc_105: 0.5137
Epoch 125/700
267/267 [=====] - 1s 3ms/step - loss: 0.7882 - auc_105:
0.5139 - val_loss: 0.8495 - val_auc_105: 0.5164
Epoch 126/700
267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_105:
0.5118 - val_loss: 0.7379 - val_auc_105: 0.5142
Epoch 127/700
267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_105:
0.5162 - val_loss: 0.7622 - val_auc_105: 0.5187
Epoch 128/700
267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_105:
0.5116 - val_loss: 0.8303 - val_auc_105: 0.5066
Epoch 129/700
267/267 [=====] - 1s 3ms/step - loss: 0.7860 - auc_105:
0.5112 - val_loss: 0.8127 - val_auc_105: 0.5119
Epoch 130/700
267/267 [=====] - 1s 3ms/step - loss: 0.8130 - auc_105:
0.5129 - val_loss: 0.7801 - val_auc_105: 0.5140
Epoch 131/700
267/267 [=====] - 1s 3ms/step - loss: 0.7672 - auc_105:
0.5136 - val_loss: 0.7673 - val_auc_105: 0.5079
Epoch 132/700

267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_105:
 0.5126 - val_loss: 0.7594 - val_auc_105: 0.5078
 Epoch 133/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_105:
 0.5154 - val_loss: 0.7336 - val_auc_105: 0.5144
 Epoch 134/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7757 - auc_105:
 0.5142 - val_loss: 0.7750 - val_auc_105: 0.5111
 Epoch 135/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_105:
 0.5124 - val_loss: 0.8053 - val_auc_105: 0.5151
 Epoch 136/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7979 - auc_105:
 0.5138 - val_loss: 0.7668 - val_auc_105: 0.5119
 Epoch 137/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_105:
 0.5134 - val_loss: 0.7646 - val_auc_105: 0.5101
 Epoch 138/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_105:
 0.5134 - val_loss: 0.7375 - val_auc_105: 0.5159
 Epoch 139/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_105:
 0.5116 - val_loss: 0.7627 - val_auc_105: 0.5206
 Epoch 140/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_105:
 0.5150 - val_loss: 0.9418 - val_auc_105: 0.5105
 Epoch 141/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_105:
 0.5132 - val_loss: 0.7500 - val_auc_105: 0.5155
 Epoch 142/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8044 - auc_105:
 0.5150 - val_loss: 0.7702 - val_auc_105: 0.5124
 Epoch 143/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_105:
 0.5144 - val_loss: 0.7947 - val_auc_105: 0.5171
 Epoch 144/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8098 - auc_105:
 0.5150 - val_loss: 0.8009 - val_auc_105: 0.5143
 Epoch 145/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7644 - auc_105:
 0.5137 - val_loss: 0.7343 - val_auc_105: 0.5124
 Epoch 146/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7683 - auc_105:
 0.5136 - val_loss: 0.8370 - val_auc_105: 0.5147
 Epoch 147/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7987 - auc_105:
 0.5124 - val_loss: 0.7976 - val_auc_105: 0.5162
 Epoch 148/700

267/267 [=====] - 1s 3ms/step - loss: 0.7621 - auc_105:
0.5156 - val_loss: 0.7497 - val_auc_105: 0.5183
Epoch 149/700
267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_105:
0.5138 - val_loss: 0.8498 - val_auc_105: 0.5119
Epoch 150/700
267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_105:
0.5140 - val_loss: 0.7698 - val_auc_105: 0.5095
Epoch 151/700
267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_105:
0.5140 - val_loss: 0.8196 - val_auc_105: 0.5153
Epoch 152/700
267/267 [=====] - 1s 3ms/step - loss: 0.7960 - auc_105:
0.5136 - val_loss: 0.7984 - val_auc_105: 0.5155
Epoch 153/700
267/267 [=====] - 1s 3ms/step - loss: 0.7968 - auc_105:
0.5131 - val_loss: 0.7472 - val_auc_105: 0.5123
Epoch 154/700
267/267 [=====] - 1s 3ms/step - loss: 0.7901 - auc_105:
0.5152 - val_loss: 0.7420 - val_auc_105: 0.5175
Epoch 155/700
267/267 [=====] - 1s 3ms/step - loss: 0.7604 - auc_105:
0.5161 - val_loss: 0.7921 - val_auc_105: 0.5198
Epoch 156/700
267/267 [=====] - 1s 3ms/step - loss: 0.7977 - auc_105:
0.5157 - val_loss: 0.7474 - val_auc_105: 0.5160
Epoch 157/700
267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_105:
0.5154 - val_loss: 0.7597 - val_auc_105: 0.5126
Epoch 158/700
267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_105:
0.5138 - val_loss: 0.8260 - val_auc_105: 0.5126
Epoch 159/700
267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_105:
0.5126 - val_loss: 0.7516 - val_auc_105: 0.5141
Epoch 160/700
267/267 [=====] - 1s 3ms/step - loss: 0.7966 - auc_105:
0.5155 - val_loss: 0.7425 - val_auc_105: 0.5161
Epoch 161/700
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_105:
0.5147 - val_loss: 0.7421 - val_auc_105: 0.5240
Epoch 162/700
267/267 [=====] - 1s 3ms/step - loss: 0.7917 - auc_105:
0.5137 - val_loss: 0.7371 - val_auc_105: 0.5153
Epoch 163/700
267/267 [=====] - 1s 3ms/step - loss: 0.7683 - auc_105:
0.5161 - val_loss: 0.7479 - val_auc_105: 0.5123
Epoch 164/700

267/267 [=====] - 1s 3ms/step - loss: 0.8074 - auc_105:
 0.5140 - val_loss: 0.7914 - val_auc_105: 0.5172
 Epoch 165/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_105:
 0.5148 - val_loss: 0.7354 - val_auc_105: 0.5127
 Epoch 166/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_105:
 0.5137 - val_loss: 0.7575 - val_auc_105: 0.5174
 Epoch 167/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_105:
 0.5140 - val_loss: 0.7846 - val_auc_105: 0.5125
 Epoch 168/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7975 - auc_105:
 0.5156 - val_loss: 0.7491 - val_auc_105: 0.5121
 Epoch 169/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_105:
 0.5152 - val_loss: 0.7589 - val_auc_105: 0.5146
 Epoch 170/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_105:
 0.5117 - val_loss: 0.7529 - val_auc_105: 0.5129
 Epoch 171/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7765 - auc_105:
 0.5164 - val_loss: 0.7892 - val_auc_105: 0.5092
 Epoch 172/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_105:
 0.5142 - val_loss: 0.7717 - val_auc_105: 0.5102
 Epoch 173/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7955 - auc_105:
 0.5164 - val_loss: 0.8516 - val_auc_105: 0.5156
 Epoch 174/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7971 - auc_105:
 0.5177 - val_loss: 0.7900 - val_auc_105: 0.5137
 Epoch 175/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8024 - auc_105:
 0.5144 - val_loss: 0.9824 - val_auc_105: 0.5133
 Epoch 176/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8041 - auc_105:
 0.5152 - val_loss: 0.7329 - val_auc_105: 0.5145
 Epoch 177/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_105:
 0.5145 - val_loss: 0.7299 - val_auc_105: 0.5163
 Epoch 178/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7654 - auc_105:
 0.5163 - val_loss: 0.7448 - val_auc_105: 0.5158
 Epoch 179/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8007 - auc_105:
 0.5156 - val_loss: 0.7974 - val_auc_105: 0.5160
 Epoch 180/700

267/267 [=====] - 1s 3ms/step - loss: 0.8050 - auc_105:
0.5157 - val_loss: 0.7707 - val_auc_105: 0.5138
Epoch 181/700
267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_105:
0.5137 - val_loss: 0.8367 - val_auc_105: 0.5135
Epoch 182/700
267/267 [=====] - 1s 3ms/step - loss: 0.7937 - auc_105:
0.5136 - val_loss: 0.7480 - val_auc_105: 0.5154
Epoch 183/700
267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_105:
0.5140 - val_loss: 0.7898 - val_auc_105: 0.5114
Epoch 184/700
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_105:
0.5167 - val_loss: 0.8024 - val_auc_105: 0.5074
Epoch 185/700
267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_105:
0.5147 - val_loss: 0.7337 - val_auc_105: 0.5134
Epoch 186/700
267/267 [=====] - 1s 3ms/step - loss: 0.7763 - auc_105:
0.5122 - val_loss: 0.8236 - val_auc_105: 0.5132
Epoch 187/700
267/267 [=====] - 1s 3ms/step - loss: 0.8277 - auc_105:
0.5139 - val_loss: 0.7200 - val_auc_105: 0.5237
Epoch 188/700
267/267 [=====] - 1s 3ms/step - loss: 0.8095 - auc_105:
0.5158 - val_loss: 0.7916 - val_auc_105: 0.5098
Epoch 189/700
267/267 [=====] - 1s 3ms/step - loss: 0.7813 - auc_105:
0.5144 - val_loss: 0.7462 - val_auc_105: 0.5142
Epoch 190/700
267/267 [=====] - 1s 3ms/step - loss: 0.8049 - auc_105:
0.5122 - val_loss: 0.7894 - val_auc_105: 0.5151
Epoch 191/700
267/267 [=====] - 1s 3ms/step - loss: 0.7855 - auc_105:
0.5150 - val_loss: 0.7500 - val_auc_105: 0.5234
Epoch 192/700
267/267 [=====] - 1s 3ms/step - loss: 0.8032 - auc_105:
0.5162 - val_loss: 0.7825 - val_auc_105: 0.5106
Epoch 193/700
267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_105:
0.5140 - val_loss: 0.7609 - val_auc_105: 0.5137
Epoch 194/700
267/267 [=====] - 1s 3ms/step - loss: 0.7932 - auc_105:
0.5175 - val_loss: 0.7850 - val_auc_105: 0.5165
Epoch 195/700
267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_105:
0.5150 - val_loss: 0.7349 - val_auc_105: 0.5085
Epoch 196/700

267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_105:
0.5132 - val_loss: 0.8125 - val_auc_105: 0.5156
Epoch 197/700
267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_105:
0.5160 - val_loss: 0.7502 - val_auc_105: 0.5120
Epoch 198/700
267/267 [=====] - 1s 3ms/step - loss: 0.7630 - auc_105:
0.5129 - val_loss: 0.7129 - val_auc_105: 0.5169
Epoch 199/700
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_105:
0.5174 - val_loss: 0.7694 - val_auc_105: 0.5117
Epoch 200/700
267/267 [=====] - 1s 3ms/step - loss: 0.7731 - auc_105:
0.5153 - val_loss: 0.8821 - val_auc_105: 0.5083
Epoch 201/700
267/267 [=====] - 1s 3ms/step - loss: 0.8431 - auc_105:
0.5128 - val_loss: 0.8110 - val_auc_105: 0.5097
Epoch 202/700
267/267 [=====] - 1s 3ms/step - loss: 0.8164 - auc_105:
0.5145 - val_loss: 0.8766 - val_auc_105: 0.5130
Epoch 203/700
267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_105:
0.5152 - val_loss: 0.8508 - val_auc_105: 0.5152
Epoch 204/700
267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_105:
0.5151 - val_loss: 0.7784 - val_auc_105: 0.5077
Epoch 205/700
267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_105:
0.5154 - val_loss: 0.7910 - val_auc_105: 0.5163
Epoch 206/700
267/267 [=====] - 1s 3ms/step - loss: 0.7988 - auc_105:
0.5138 - val_loss: 0.7946 - val_auc_105: 0.5092
Epoch 207/700
267/267 [=====] - 1s 3ms/step - loss: 0.7719 - auc_105:
0.5175 - val_loss: 0.8587 - val_auc_105: 0.5110
Epoch 208/700
267/267 [=====] - 1s 3ms/step - loss: 0.7927 - auc_105:
0.5167 - val_loss: 0.8321 - val_auc_105: 0.5151
Epoch 209/700
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_105:
0.5178 - val_loss: 0.7655 - val_auc_105: 0.5085
Epoch 210/700
267/267 [=====] - 1s 3ms/step - loss: 0.7848 - auc_105:
0.5159 - val_loss: 0.7508 - val_auc_105: 0.5167
Epoch 211/700
267/267 [=====] - 1s 3ms/step - loss: 0.7993 - auc_105:
0.5137 - val_loss: 0.7938 - val_auc_105: 0.5142
Epoch 212/700

267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_105:
0.5156 - val_loss: 0.7894 - val_auc_105: 0.5114
Epoch 213/700
267/267 [=====] - 1s 3ms/step - loss: 0.8005 - auc_105:
0.5161 - val_loss: 0.8058 - val_auc_105: 0.5146
Epoch 214/700
267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_105:
0.5127 - val_loss: 0.7938 - val_auc_105: 0.5146
Epoch 215/700
267/267 [=====] - 1s 3ms/step - loss: 0.7887 - auc_105:
0.5149 - val_loss: 0.7420 - val_auc_105: 0.5159
Epoch 216/700
267/267 [=====] - 1s 3ms/step - loss: 0.8118 - auc_105:
0.5153 - val_loss: 0.7316 - val_auc_105: 0.5242
Epoch 217/700
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_105:
0.5163 - val_loss: 0.8146 - val_auc_105: 0.5109
Epoch 218/700
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_105:
0.5171 - val_loss: 0.7517 - val_auc_105: 0.5115
Epoch 219/700
267/267 [=====] - 1s 3ms/step - loss: 0.7798 - auc_105:
0.5140 - val_loss: 0.8080 - val_auc_105: 0.5159
Epoch 220/700
267/267 [=====] - 1s 3ms/step - loss: 0.7799 - auc_105:
0.5169 - val_loss: 0.8137 - val_auc_105: 0.5133
Epoch 221/700
267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_105:
0.5154 - val_loss: 0.7669 - val_auc_105: 0.5131
Epoch 222/700
267/267 [=====] - 1s 3ms/step - loss: 0.7925 - auc_105:
0.5151 - val_loss: 0.7509 - val_auc_105: 0.5164
Epoch 223/700
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_105:
0.5169 - val_loss: 0.8336 - val_auc_105: 0.5073
Epoch 224/700
267/267 [=====] - 1s 3ms/step - loss: 0.7928 - auc_105:
0.5169 - val_loss: 0.7391 - val_auc_105: 0.5186
Epoch 225/700
267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_105:
0.5155 - val_loss: 0.7880 - val_auc_105: 0.5101
Epoch 226/700
267/267 [=====] - 1s 3ms/step - loss: 0.7920 - auc_105:
0.5152 - val_loss: 0.9520 - val_auc_105: 0.5100
Epoch 227/700
267/267 [=====] - 1s 3ms/step - loss: 0.7856 - auc_105:
0.5164 - val_loss: 0.7173 - val_auc_105: 0.5211
Epoch 228/700

267/267 [=====] - 1s 3ms/step - loss: 0.7707 - auc_105:
0.5173 - val_loss: 0.7319 - val_auc_105: 0.5162
Epoch 229/700
267/267 [=====] - 1s 3ms/step - loss: 0.7676 - auc_105:
0.5184 - val_loss: 0.7459 - val_auc_105: 0.5137
Epoch 230/700
267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_105:
0.5162 - val_loss: 0.8008 - val_auc_105: 0.5147
Epoch 231/700
267/267 [=====] - 1s 3ms/step - loss: 0.7754 - auc_105:
0.5169 - val_loss: 0.8288 - val_auc_105: 0.5073
Epoch 232/700
267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_105:
0.5140 - val_loss: 0.7949 - val_auc_105: 0.5161
Epoch 233/700
267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_105:
0.5165 - val_loss: 0.8235 - val_auc_105: 0.5140
Epoch 234/700
267/267 [=====] - 1s 3ms/step - loss: 0.7814 - auc_105:
0.5156 - val_loss: 0.7917 - val_auc_105: 0.5093
Epoch 235/700
267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_105:
0.5173 - val_loss: 0.9258 - val_auc_105: 0.5128
Epoch 236/700
267/267 [=====] - 1s 3ms/step - loss: 0.7970 - auc_105:
0.5134 - val_loss: 0.7902 - val_auc_105: 0.5146
Epoch 237/700
267/267 [=====] - 1s 3ms/step - loss: 0.7702 - auc_105:
0.5172 - val_loss: 0.7546 - val_auc_105: 0.5175
Epoch 238/700
267/267 [=====] - 1s 3ms/step - loss: 0.7680 - auc_105:
0.5162 - val_loss: 0.7803 - val_auc_105: 0.5128
Epoch 239/700
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_105:
0.5157 - val_loss: 0.7614 - val_auc_105: 0.5161
Epoch 240/700
267/267 [=====] - 1s 3ms/step - loss: 0.7875 - auc_105:
0.5178 - val_loss: 0.7213 - val_auc_105: 0.5166
Epoch 241/700
267/267 [=====] - 1s 3ms/step - loss: 0.7713 - auc_105:
0.5158 - val_loss: 0.7934 - val_auc_105: 0.5158
Epoch 242/700
267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_105:
0.5164 - val_loss: 0.8576 - val_auc_105: 0.5118
Epoch 243/700
267/267 [=====] - 1s 3ms/step - loss: 0.7802 - auc_105:
0.5151 - val_loss: 0.7233 - val_auc_105: 0.5193
Epoch 244/700

267/267 [=====] - 1s 3ms/step - loss: 0.8068 - auc_105:
 0.5168 - val_loss: 0.7273 - val_auc_105: 0.5139
 Epoch 245/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_105:
 0.5160 - val_loss: 0.9039 - val_auc_105: 0.5146
 Epoch 246/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8323 - auc_105:
 0.5146 - val_loss: 0.9815 - val_auc_105: 0.5186
 Epoch 247/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7721 - auc_105:
 0.5158 - val_loss: 0.8710 - val_auc_105: 0.5126
 Epoch 248/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8096 - auc_105:
 0.5158 - val_loss: 0.7775 - val_auc_105: 0.5173
 Epoch 249/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_105:
 0.5170 - val_loss: 0.8015 - val_auc_105: 0.5171
 Epoch 250/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8077 - auc_105:
 0.5163 - val_loss: 0.7406 - val_auc_105: 0.5154
 Epoch 251/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7766 - auc_105:
 0.5173 - val_loss: 0.7466 - val_auc_105: 0.5103
 Epoch 252/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_105:
 0.5154 - val_loss: 0.8031 - val_auc_105: 0.5099
 Epoch 253/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_105:
 0.5200 - val_loss: 0.8029 - val_auc_105: 0.5151
 Epoch 254/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_105:
 0.5188 - val_loss: 0.7989 - val_auc_105: 0.5115
 Epoch 255/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_105:
 0.5158 - val_loss: 0.7402 - val_auc_105: 0.5192
 Epoch 256/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_105:
 0.5197 - val_loss: 0.9041 - val_auc_105: 0.5162
 Epoch 257/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7818 - auc_105:
 0.5158 - val_loss: 0.7656 - val_auc_105: 0.5239
 Epoch 258/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8003 - auc_105:
 0.5177 - val_loss: 0.8113 - val_auc_105: 0.5111
 Epoch 259/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7839 - auc_105:
 0.5184 - val_loss: 0.7465 - val_auc_105: 0.5153
 Epoch 260/700

267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_105:
0.5173 - val_loss: 0.8264 - val_auc_105: 0.5117
Epoch 261/700
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_105:
0.5185 - val_loss: 0.7332 - val_auc_105: 0.5191
Epoch 262/700
267/267 [=====] - 1s 3ms/step - loss: 0.8071 - auc_105:
0.5169 - val_loss: 0.7814 - val_auc_105: 0.5199
Epoch 263/700
267/267 [=====] - 1s 3ms/step - loss: 0.7687 - auc_105:
0.5177 - val_loss: 0.7908 - val_auc_105: 0.5155
Epoch 264/700
267/267 [=====] - 1s 3ms/step - loss: 0.7566 - auc_105:
0.5173 - val_loss: 0.7940 - val_auc_105: 0.5182
Epoch 265/700
267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_105:
0.5188 - val_loss: 0.9358 - val_auc_105: 0.5109
Epoch 266/700
267/267 [=====] - 1s 3ms/step - loss: 0.7668 - auc_105:
0.5180 - val_loss: 0.7086 - val_auc_105: 0.5127
Epoch 267/700
267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_105:
0.5193 - val_loss: 0.8221 - val_auc_105: 0.5148
Epoch 268/700
267/267 [=====] - 1s 3ms/step - loss: 0.8055 - auc_105:
0.5195 - val_loss: 0.7337 - val_auc_105: 0.5213
Epoch 269/700
267/267 [=====] - 1s 3ms/step - loss: 0.7894 - auc_105:
0.5177 - val_loss: 0.7741 - val_auc_105: 0.5093
Epoch 270/700
267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_105:
0.5154 - val_loss: 0.7498 - val_auc_105: 0.5184
Epoch 271/700
267/267 [=====] - 1s 3ms/step - loss: 0.7949 - auc_105:
0.5184 - val_loss: 0.7508 - val_auc_105: 0.5231
Epoch 272/700
267/267 [=====] - 1s 3ms/step - loss: 0.8019 - auc_105:
0.5165 - val_loss: 0.8220 - val_auc_105: 0.5107
Epoch 273/700
267/267 [=====] - 1s 3ms/step - loss: 0.7870 - auc_105:
0.5153 - val_loss: 0.8086 - val_auc_105: 0.5108
Epoch 274/700
267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_105:
0.5178 - val_loss: 0.8434 - val_auc_105: 0.5166
Epoch 275/700
267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_105:
0.5184 - val_loss: 0.7603 - val_auc_105: 0.5116
Epoch 276/700

267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_105:
0.5178 - val_loss: 0.7141 - val_auc_105: 0.5205
Epoch 277/700
267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_105:
0.5184 - val_loss: 0.7372 - val_auc_105: 0.5170
Epoch 278/700
267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_105:
0.5180 - val_loss: 0.7568 - val_auc_105: 0.5158
Epoch 279/700
267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_105:
0.5169 - val_loss: 0.7720 - val_auc_105: 0.5146
Epoch 280/700
267/267 [=====] - 1s 3ms/step - loss: 0.7873 - auc_105:
0.5162 - val_loss: 0.7247 - val_auc_105: 0.5150
Epoch 281/700
267/267 [=====] - 1s 3ms/step - loss: 0.7636 - auc_105:
0.5185 - val_loss: 0.7621 - val_auc_105: 0.5190
Epoch 282/700
267/267 [=====] - 1s 3ms/step - loss: 0.8118 - auc_105:
0.5162 - val_loss: 0.7300 - val_auc_105: 0.5201
Epoch 283/700
267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_105:
0.5162 - val_loss: 0.7091 - val_auc_105: 0.5181
Epoch 284/700
267/267 [=====] - 1s 3ms/step - loss: 0.7723 - auc_105:
0.5171 - val_loss: 0.7545 - val_auc_105: 0.5213
Epoch 285/700
267/267 [=====] - 1s 3ms/step - loss: 0.7945 - auc_105:
0.5156 - val_loss: 0.7924 - val_auc_105: 0.5147
Epoch 286/700
267/267 [=====] - 1s 3ms/step - loss: 0.7605 - auc_105:
0.5196 - val_loss: 0.8810 - val_auc_105: 0.5165
Epoch 287/700
267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_105:
0.5158 - val_loss: 0.7853 - val_auc_105: 0.5158
Epoch 288/700
267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_105:
0.5182 - val_loss: 0.7878 - val_auc_105: 0.5121
Epoch 289/700
267/267 [=====] - 1s 3ms/step - loss: 0.7777 - auc_105:
0.5186 - val_loss: 0.8024 - val_auc_105: 0.5149
Epoch 290/700
267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_105:
0.5180 - val_loss: 0.8287 - val_auc_105: 0.5090
Epoch 291/700
267/267 [=====] - 1s 3ms/step - loss: 0.8116 - auc_105:
0.5192 - val_loss: 0.7744 - val_auc_105: 0.5208
Epoch 292/700

267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_105:
0.5171 - val_loss: 0.8778 - val_auc_105: 0.5197
Epoch 293/700
267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_105:
0.5176 - val_loss: 0.7719 - val_auc_105: 0.5175
Epoch 294/700
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_105:
0.5161 - val_loss: 0.7869 - val_auc_105: 0.5173
Epoch 295/700
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_105:
0.5148 - val_loss: 0.7862 - val_auc_105: 0.5121
Epoch 296/700
267/267 [=====] - 1s 3ms/step - loss: 0.7903 - auc_105:
0.5185 - val_loss: 0.8070 - val_auc_105: 0.5146
Epoch 297/700
267/267 [=====] - 1s 3ms/step - loss: 0.7652 - auc_105:
0.5177 - val_loss: 0.7655 - val_auc_105: 0.5247
Epoch 298/700
267/267 [=====] - 1s 3ms/step - loss: 0.7680 - auc_105:
0.5188 - val_loss: 0.7140 - val_auc_105: 0.5221
Epoch 299/700
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_105:
0.5182 - val_loss: 0.8756 - val_auc_105: 0.5081
Epoch 300/700
267/267 [=====] - 1s 3ms/step - loss: 0.7598 - auc_105:
0.5165 - val_loss: 0.7626 - val_auc_105: 0.5181
Epoch 301/700
267/267 [=====] - 1s 3ms/step - loss: 0.7916 - auc_105:
0.5131 - val_loss: 0.7901 - val_auc_105: 0.5193
Epoch 302/700
267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_105:
0.5177 - val_loss: 0.7606 - val_auc_105: 0.5155
Epoch 303/700
267/267 [=====] - 1s 3ms/step - loss: 0.7681 - auc_105:
0.5194 - val_loss: 0.7857 - val_auc_105: 0.5062
Epoch 304/700
267/267 [=====] - 1s 3ms/step - loss: 0.7746 - auc_105:
0.5174 - val_loss: 0.7341 - val_auc_105: 0.5107
Epoch 305/700
267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_105:
0.5191 - val_loss: 0.7328 - val_auc_105: 0.5169
Epoch 306/700
267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_105:
0.5167 - val_loss: 0.8349 - val_auc_105: 0.5129
Epoch 307/700
267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_105:
0.5173 - val_loss: 0.7353 - val_auc_105: 0.5163
Epoch 308/700

267/267 [=====] - 1s 3ms/step - loss: 0.7827 - auc_105:
0.5191 - val_loss: 0.7329 - val_auc_105: 0.5180
Epoch 309/700
267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_105:
0.5165 - val_loss: 0.7423 - val_auc_105: 0.5124
Epoch 310/700
267/267 [=====] - 1s 3ms/step - loss: 0.7674 - auc_105:
0.5172 - val_loss: 0.8781 - val_auc_105: 0.5085
Epoch 311/700
267/267 [=====] - 1s 3ms/step - loss: 0.7815 - auc_105:
0.5167 - val_loss: 0.7609 - val_auc_105: 0.5140
Epoch 312/700
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_105:
0.5164 - val_loss: 0.7645 - val_auc_105: 0.5105
Epoch 313/700
267/267 [=====] - 1s 3ms/step - loss: 0.7674 - auc_105:
0.5155 - val_loss: 0.7609 - val_auc_105: 0.5096
Epoch 314/700
267/267 [=====] - 1s 3ms/step - loss: 0.8030 - auc_105:
0.5171 - val_loss: 0.8189 - val_auc_105: 0.5168
Epoch 315/700
267/267 [=====] - 1s 3ms/step - loss: 0.7906 - auc_105:
0.5161 - val_loss: 0.7531 - val_auc_105: 0.5148
Epoch 316/700
267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_105:
0.5183 - val_loss: 0.8038 - val_auc_105: 0.5145
Epoch 317/700
267/267 [=====] - 1s 3ms/step - loss: 0.7680 - auc_105:
0.5180 - val_loss: 0.8273 - val_auc_105: 0.5179
Epoch 318/700
267/267 [=====] - 1s 3ms/step - loss: 0.7931 - auc_105:
0.5184 - val_loss: 0.7354 - val_auc_105: 0.5176
Epoch 319/700
267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_105:
0.5180 - val_loss: 0.7967 - val_auc_105: 0.5188
Epoch 320/700
267/267 [=====] - 1s 3ms/step - loss: 0.8138 - auc_105:
0.5198 - val_loss: 0.8139 - val_auc_105: 0.5189
Epoch 321/700
267/267 [=====] - 1s 3ms/step - loss: 0.7659 - auc_105:
0.5173 - val_loss: 0.8120 - val_auc_105: 0.5184
Epoch 322/700
267/267 [=====] - 1s 3ms/step - loss: 0.7789 - auc_105:
0.5205 - val_loss: 0.7944 - val_auc_105: 0.5147
Epoch 323/700
267/267 [=====] - 1s 3ms/step - loss: 0.7822 - auc_105:
0.5197 - val_loss: 0.8407 - val_auc_105: 0.5190
Epoch 324/700

267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_105:
0.5195 - val_loss: 0.7532 - val_auc_105: 0.5184
Epoch 325/700
267/267 [=====] - 1s 3ms/step - loss: 0.7744 - auc_105:
0.5188 - val_loss: 0.8676 - val_auc_105: 0.5134
Epoch 326/700
267/267 [=====] - 1s 3ms/step - loss: 0.7938 - auc_105:
0.5201 - val_loss: 0.8563 - val_auc_105: 0.5180
Epoch 327/700
267/267 [=====] - 1s 3ms/step - loss: 0.8033 - auc_105:
0.5180 - val_loss: 0.8483 - val_auc_105: 0.5124
Epoch 328/700
267/267 [=====] - 1s 3ms/step - loss: 0.7826 - auc_105:
0.5197 - val_loss: 0.8158 - val_auc_105: 0.5157
Epoch 329/700
267/267 [=====] - 1s 3ms/step - loss: 0.8144 - auc_105:
0.5191 - val_loss: 0.7920 - val_auc_105: 0.5129
Epoch 330/700
267/267 [=====] - 1s 3ms/step - loss: 0.7781 - auc_105:
0.5185 - val_loss: 0.7334 - val_auc_105: 0.5126
Epoch 331/700
267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_105:
0.5187 - val_loss: 0.8717 - val_auc_105: 0.5148
Epoch 332/700
267/267 [=====] - 1s 3ms/step - loss: 0.7892 - auc_105:
0.5225 - val_loss: 0.7263 - val_auc_105: 0.5142
Epoch 333/700
267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_105:
0.5186 - val_loss: 0.8075 - val_auc_105: 0.5175
Epoch 334/700
267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_105:
0.5161 - val_loss: 0.8243 - val_auc_105: 0.5151
Epoch 335/700
267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_105:
0.5218 - val_loss: 0.8112 - val_auc_105: 0.5135
Epoch 336/700
267/267 [=====] - 1s 3ms/step - loss: 0.7670 - auc_105:
0.5162 - val_loss: 0.7171 - val_auc_105: 0.5178
Epoch 337/700
267/267 [=====] - 1s 3ms/step - loss: 0.7594 - auc_105:
0.5180 - val_loss: 0.7521 - val_auc_105: 0.5220
Epoch 338/700
267/267 [=====] - 1s 3ms/step - loss: 0.7680 - auc_105:
0.5156 - val_loss: 0.7335 - val_auc_105: 0.5150
Epoch 339/700
267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_105:
0.5186 - val_loss: 0.7560 - val_auc_105: 0.5102
Epoch 340/700

267/267 [=====] - 1s 3ms/step - loss: 0.7717 - auc_105:
0.5164 - val_loss: 0.7432 - val_auc_105: 0.5207
Epoch 341/700
267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_105:
0.5169 - val_loss: 0.8819 - val_auc_105: 0.5125
Epoch 342/700
267/267 [=====] - 1s 3ms/step - loss: 0.8016 - auc_105:
0.5184 - val_loss: 0.8649 - val_auc_105: 0.5069
Epoch 343/700
267/267 [=====] - 1s 3ms/step - loss: 0.7984 - auc_105:
0.5175 - val_loss: 0.7468 - val_auc_105: 0.5178
Epoch 344/700
267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_105:
0.5162 - val_loss: 0.7581 - val_auc_105: 0.5123
Epoch 345/700
267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_105:
0.5198 - val_loss: 0.8029 - val_auc_105: 0.5092
Epoch 346/700
267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_105:
0.5149 - val_loss: 0.7402 - val_auc_105: 0.5144
Epoch 347/700
267/267 [=====] - 1s 3ms/step - loss: 0.7652 - auc_105:
0.5194 - val_loss: 0.7967 - val_auc_105: 0.5133
Epoch 348/700
267/267 [=====] - 1s 3ms/step - loss: 0.7675 - auc_105:
0.5169 - val_loss: 0.7356 - val_auc_105: 0.5217
Epoch 349/700
267/267 [=====] - 1s 3ms/step - loss: 0.7890 - auc_105:
0.5175 - val_loss: 0.7398 - val_auc_105: 0.5143
Epoch 350/700
267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_105:
0.5165 - val_loss: 0.7822 - val_auc_105: 0.5152
Epoch 351/700
267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_105:
0.5205 - val_loss: 0.7868 - val_auc_105: 0.5172
Epoch 352/700
267/267 [=====] - 1s 3ms/step - loss: 0.8013 - auc_105:
0.5196 - val_loss: 0.7827 - val_auc_105: 0.5211
Epoch 353/700
267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_105:
0.5192 - val_loss: 0.7419 - val_auc_105: 0.5081
Epoch 354/700
267/267 [=====] - 1s 3ms/step - loss: 0.7608 - auc_105:
0.5181 - val_loss: 0.7528 - val_auc_105: 0.5184
Epoch 355/700
267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_105:
0.5183 - val_loss: 0.7469 - val_auc_105: 0.5190
Epoch 356/700

267/267 [=====] - 1s 3ms/step - loss: 0.7761 - auc_105:
0.5169 - val_loss: 0.7807 - val_auc_105: 0.5190
Epoch 357/700
267/267 [=====] - 1s 3ms/step - loss: 0.7682 - auc_105:
0.5206 - val_loss: 0.7979 - val_auc_105: 0.5041
Epoch 358/700
267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_105:
0.5189 - val_loss: 1.0929 - val_auc_105: 0.5150
Epoch 359/700
267/267 [=====] - 1s 3ms/step - loss: 0.7616 - auc_105:
0.5178 - val_loss: 0.7175 - val_auc_105: 0.5165
Epoch 360/700
267/267 [=====] - 1s 3ms/step - loss: 0.7732 - auc_105:
0.5183 - val_loss: 0.7631 - val_auc_105: 0.5180
Epoch 361/700
267/267 [=====] - 1s 3ms/step - loss: 0.7964 - auc_105:
0.5188 - val_loss: 0.8136 - val_auc_105: 0.5117
Epoch 362/700
267/267 [=====] - 1s 3ms/step - loss: 0.7651 - auc_105:
0.5211 - val_loss: 0.7156 - val_auc_105: 0.5146
Epoch 363/700
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_105:
0.5186 - val_loss: 0.9118 - val_auc_105: 0.5125
Epoch 364/700
267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_105:
0.5166 - val_loss: 0.8335 - val_auc_105: 0.5152
Epoch 365/700
267/267 [=====] - 1s 3ms/step - loss: 0.7924 - auc_105:
0.5157 - val_loss: 0.7910 - val_auc_105: 0.5145
Epoch 366/700
267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_105:
0.5212 - val_loss: 0.7280 - val_auc_105: 0.5153
Epoch 367/700
267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_105:
0.5194 - val_loss: 0.8277 - val_auc_105: 0.5160
Epoch 368/700
267/267 [=====] - 1s 3ms/step - loss: 0.7765 - auc_105:
0.5171 - val_loss: 0.7797 - val_auc_105: 0.5191
Epoch 369/700
267/267 [=====] - 1s 3ms/step - loss: 0.7666 - auc_105:
0.5198 - val_loss: 0.7509 - val_auc_105: 0.5257
Epoch 370/700
267/267 [=====] - 1s 3ms/step - loss: 0.7927 - auc_105:
0.5200 - val_loss: 0.7786 - val_auc_105: 0.5146
Epoch 371/700
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_105:
0.5189 - val_loss: 0.7498 - val_auc_105: 0.5160
Epoch 372/700

267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_105:
 0.5143 - val_loss: 0.7440 - val_auc_105: 0.5150
 Epoch 373/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_105:
 0.5180 - val_loss: 0.8186 - val_auc_105: 0.5083
 Epoch 374/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7859 - auc_105:
 0.5198 - val_loss: 0.8732 - val_auc_105: 0.5114
 Epoch 375/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_105:
 0.5184 - val_loss: 0.7669 - val_auc_105: 0.5146
 Epoch 376/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_105:
 0.5178 - val_loss: 0.8377 - val_auc_105: 0.5170
 Epoch 377/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_105:
 0.5186 - val_loss: 0.7474 - val_auc_105: 0.5176
 Epoch 378/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7667 - auc_105:
 0.5203 - val_loss: 0.8010 - val_auc_105: 0.5098
 Epoch 379/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_105:
 0.5205 - val_loss: 0.8316 - val_auc_105: 0.5152
 Epoch 380/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7989 - auc_105:
 0.5171 - val_loss: 0.7461 - val_auc_105: 0.5198
 Epoch 381/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7755 - auc_105:
 0.5196 - val_loss: 0.7233 - val_auc_105: 0.5229
 Epoch 382/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7522 - auc_105:
 0.5214 - val_loss: 0.8191 - val_auc_105: 0.5042
 Epoch 383/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8256 - auc_105:
 0.5158 - val_loss: 0.8153 - val_auc_105: 0.5117
 Epoch 384/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7880 - auc_105:
 0.5198 - val_loss: 0.7330 - val_auc_105: 0.5155
 Epoch 385/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7999 - auc_105:
 0.5184 - val_loss: 0.7740 - val_auc_105: 0.5146
 Epoch 386/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7796 - auc_105:
 0.5193 - val_loss: 0.7354 - val_auc_105: 0.5269
 Epoch 387/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_105:
 0.5182 - val_loss: 0.7414 - val_auc_105: 0.5146
 Epoch 388/700

267/267 [=====] - 1s 3ms/step - loss: 0.7879 - auc_105:
 0.5201 - val_loss: 0.7725 - val_auc_105: 0.5120
 Epoch 389/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7888 - auc_105:
 0.5193 - val_loss: 0.7766 - val_auc_105: 0.5219
 Epoch 390/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_105:
 0.5170 - val_loss: 0.7615 - val_auc_105: 0.5189
 Epoch 391/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7861 - auc_105:
 0.5191 - val_loss: 0.7832 - val_auc_105: 0.5099
 Epoch 392/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_105:
 0.5197 - val_loss: 0.8714 - val_auc_105: 0.5209
 Epoch 393/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7612 - auc_105:
 0.5198 - val_loss: 0.8211 - val_auc_105: 0.5113
 Epoch 394/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_105:
 0.5171 - val_loss: 0.7899 - val_auc_105: 0.5106
 Epoch 395/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7681 - auc_105:
 0.5178 - val_loss: 0.7834 - val_auc_105: 0.5184
 Epoch 396/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8152 - auc_105:
 0.5180 - val_loss: 0.7962 - val_auc_105: 0.5173
 Epoch 397/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_105:
 0.5171 - val_loss: 0.8380 - val_auc_105: 0.5109
 Epoch 398/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7883 - auc_105:
 0.5180 - val_loss: 0.7989 - val_auc_105: 0.5152
 Epoch 399/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7807 - auc_105:
 0.5203 - val_loss: 0.7328 - val_auc_105: 0.5231
 Epoch 400/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7842 - auc_105:
 0.5186 - val_loss: 0.8059 - val_auc_105: 0.5183
 Epoch 401/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7809 - auc_105:
 0.5178 - val_loss: 0.8325 - val_auc_105: 0.5142
 Epoch 402/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_105:
 0.5184 - val_loss: 0.8457 - val_auc_105: 0.5186
 Epoch 403/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7759 - auc_105:
 0.5185 - val_loss: 0.7524 - val_auc_105: 0.5199
 Epoch 404/700

267/267 [=====] - 1s 3ms/step - loss: 0.7829 - auc_105:
 0.5197 - val_loss: 0.8267 - val_auc_105: 0.5158
 Epoch 405/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_105:
 0.5199 - val_loss: 0.7742 - val_auc_105: 0.5078
 Epoch 406/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_105:
 0.5185 - val_loss: 0.7328 - val_auc_105: 0.5263
 Epoch 407/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_105:
 0.5193 - val_loss: 0.7618 - val_auc_105: 0.5140
 Epoch 408/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8012 - auc_105:
 0.5184 - val_loss: 0.7402 - val_auc_105: 0.5161
 Epoch 409/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8281 - auc_105:
 0.5175 - val_loss: 0.8285 - val_auc_105: 0.5169
 Epoch 410/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_105:
 0.5156 - val_loss: 0.8273 - val_auc_105: 0.5141
 Epoch 411/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_105:
 0.5179 - val_loss: 0.7275 - val_auc_105: 0.5201
 Epoch 412/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7575 - auc_105:
 0.5186 - val_loss: 0.8590 - val_auc_105: 0.5134
 Epoch 413/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_105:
 0.5175 - val_loss: 0.7617 - val_auc_105: 0.5197
 Epoch 414/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7636 - auc_105:
 0.5188 - val_loss: 0.8195 - val_auc_105: 0.5136
 Epoch 415/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_105:
 0.5175 - val_loss: 0.8232 - val_auc_105: 0.5206
 Epoch 416/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7930 - auc_105:
 0.5183 - val_loss: 0.8155 - val_auc_105: 0.5110
 Epoch 417/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8209 - auc_105:
 0.5176 - val_loss: 0.7353 - val_auc_105: 0.5141
 Epoch 418/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8095 - auc_105:
 0.5201 - val_loss: 0.7843 - val_auc_105: 0.5188
 Epoch 419/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7740 - auc_105:
 0.5181 - val_loss: 0.8625 - val_auc_105: 0.5151
 Epoch 420/700

267/267 [=====] - 1s 3ms/step - loss: 0.7560 - auc_105:
 0.5183 - val_loss: 0.7105 - val_auc_105: 0.5228
 Epoch 421/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7765 - auc_105:
 0.5188 - val_loss: 0.7670 - val_auc_105: 0.5167
 Epoch 422/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_105:
 0.5195 - val_loss: 0.7838 - val_auc_105: 0.5127
 Epoch 423/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7823 - auc_105:
 0.5214 - val_loss: 0.7809 - val_auc_105: 0.5161
 Epoch 424/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7948 - auc_105:
 0.5177 - val_loss: 0.7708 - val_auc_105: 0.5189
 Epoch 425/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_105:
 0.5189 - val_loss: 0.7672 - val_auc_105: 0.5162
 Epoch 426/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7801 - auc_105:
 0.5182 - val_loss: 0.8222 - val_auc_105: 0.5171
 Epoch 427/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7654 - auc_105:
 0.5177 - val_loss: 0.7381 - val_auc_105: 0.5169
 Epoch 428/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7633 - auc_105:
 0.5204 - val_loss: 0.7182 - val_auc_105: 0.5217
 Epoch 429/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7889 - auc_105:
 0.5203 - val_loss: 0.7377 - val_auc_105: 0.5164
 Epoch 430/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7713 - auc_105:
 0.5206 - val_loss: 0.7296 - val_auc_105: 0.5172
 Epoch 431/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_105:
 0.5192 - val_loss: 0.7742 - val_auc_105: 0.5146
 Epoch 432/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_105:
 0.5189 - val_loss: 0.7556 - val_auc_105: 0.5148
 Epoch 433/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_105:
 0.5225 - val_loss: 0.7337 - val_auc_105: 0.5217
 Epoch 434/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7808 - auc_105:
 0.5176 - val_loss: 0.8343 - val_auc_105: 0.5170
 Epoch 435/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7676 - auc_105:
 0.5190 - val_loss: 0.7175 - val_auc_105: 0.5127
 Epoch 436/700

267/267 [=====] - 1s 3ms/step - loss: 0.7733 - auc_105:
 0.5204 - val_loss: 0.7459 - val_auc_105: 0.5216
 Epoch 437/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8062 - auc_105:
 0.5173 - val_loss: 0.8399 - val_auc_105: 0.5138
 Epoch 438/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7708 - auc_105:
 0.5198 - val_loss: 0.7658 - val_auc_105: 0.5150
 Epoch 439/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7712 - auc_105:
 0.5215 - val_loss: 0.7426 - val_auc_105: 0.5198
 Epoch 440/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7731 - auc_105:
 0.5185 - val_loss: 0.7365 - val_auc_105: 0.5264
 Epoch 441/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7648 - auc_105:
 0.5193 - val_loss: 0.7976 - val_auc_105: 0.5150
 Epoch 442/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_105:
 0.5219 - val_loss: 0.8367 - val_auc_105: 0.5181
 Epoch 443/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7622 - auc_105:
 0.5195 - val_loss: 0.8038 - val_auc_105: 0.5054
 Epoch 444/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7770 - auc_105:
 0.5175 - val_loss: 0.7399 - val_auc_105: 0.5153
 Epoch 445/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_105:
 0.5181 - val_loss: 0.7861 - val_auc_105: 0.5176
 Epoch 446/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8089 - auc_105:
 0.5170 - val_loss: 0.7710 - val_auc_105: 0.5232
 Epoch 447/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_105:
 0.5200 - val_loss: 0.7533 - val_auc_105: 0.5174
 Epoch 448/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7682 - auc_105:
 0.5202 - val_loss: 0.8145 - val_auc_105: 0.5112
 Epoch 449/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_105:
 0.5178 - val_loss: 0.7556 - val_auc_105: 0.5168
 Epoch 450/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7633 - auc_105:
 0.5201 - val_loss: 0.7667 - val_auc_105: 0.5102
 Epoch 451/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7969 - auc_105:
 0.5177 - val_loss: 0.8584 - val_auc_105: 0.5099
 Epoch 452/700

267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_105:
 0.5184 - val_loss: 0.8949 - val_auc_105: 0.5084
 Epoch 453/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_105:
 0.5196 - val_loss: 0.7827 - val_auc_105: 0.5155
 Epoch 454/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7752 - auc_105:
 0.5182 - val_loss: 0.7456 - val_auc_105: 0.5246
 Epoch 455/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7730 - auc_105:
 0.5198 - val_loss: 0.8621 - val_auc_105: 0.5096
 Epoch 456/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_105:
 0.5185 - val_loss: 0.7520 - val_auc_105: 0.5182
 Epoch 457/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7706 - auc_105:
 0.5192 - val_loss: 0.7720 - val_auc_105: 0.5088
 Epoch 458/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7632 - auc_105:
 0.5186 - val_loss: 0.7652 - val_auc_105: 0.5166
 Epoch 459/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7987 - auc_105:
 0.5168 - val_loss: 0.8686 - val_auc_105: 0.5184
 Epoch 460/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_105:
 0.5191 - val_loss: 0.7844 - val_auc_105: 0.5080
 Epoch 461/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7725 - auc_105:
 0.5201 - val_loss: 0.7614 - val_auc_105: 0.5160
 Epoch 462/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7878 - auc_105:
 0.5197 - val_loss: 0.7194 - val_auc_105: 0.5201
 Epoch 463/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7943 - auc_105:
 0.5185 - val_loss: 0.7464 - val_auc_105: 0.5159
 Epoch 464/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7756 - auc_105:
 0.5178 - val_loss: 0.8698 - val_auc_105: 0.5088
 Epoch 465/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7884 - auc_105:
 0.5192 - val_loss: 0.7579 - val_auc_105: 0.5152
 Epoch 466/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7663 - auc_105:
 0.5198 - val_loss: 0.7801 - val_auc_105: 0.5164
 Epoch 467/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7800 - auc_105:
 0.5190 - val_loss: 0.7827 - val_auc_105: 0.5106
 Epoch 468/700

267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_105:
 0.5188 - val_loss: 0.8549 - val_auc_105: 0.5144
 Epoch 469/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7736 - auc_105:
 0.5186 - val_loss: 0.7248 - val_auc_105: 0.5107
 Epoch 470/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_105:
 0.5177 - val_loss: 0.7758 - val_auc_105: 0.5182
 Epoch 471/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7997 - auc_105:
 0.5173 - val_loss: 0.8525 - val_auc_105: 0.5076
 Epoch 472/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7631 - auc_105:
 0.5210 - val_loss: 0.7183 - val_auc_105: 0.5153
 Epoch 473/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7704 - auc_105:
 0.5175 - val_loss: 0.7552 - val_auc_105: 0.5190
 Epoch 474/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7948 - auc_105:
 0.5188 - val_loss: 0.7619 - val_auc_105: 0.5120
 Epoch 475/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7936 - auc_105:
 0.5181 - val_loss: 0.7295 - val_auc_105: 0.5149
 Epoch 476/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8222 - auc_105:
 0.5175 - val_loss: 0.7153 - val_auc_105: 0.5180
 Epoch 477/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7627 - auc_105:
 0.5179 - val_loss: 0.7597 - val_auc_105: 0.5163
 Epoch 478/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7853 - auc_105:
 0.5194 - val_loss: 0.7462 - val_auc_105: 0.5132
 Epoch 479/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_105:
 0.5199 - val_loss: 0.7903 - val_auc_105: 0.5193
 Epoch 480/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7604 - auc_105:
 0.5194 - val_loss: 0.7544 - val_auc_105: 0.5171
 Epoch 481/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8037 - auc_105:
 0.5183 - val_loss: 0.7691 - val_auc_105: 0.5149
 Epoch 482/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7895 - auc_105:
 0.5194 - val_loss: 0.7556 - val_auc_105: 0.5145
 Epoch 483/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8141 - auc_105:
 0.5206 - val_loss: 0.7840 - val_auc_105: 0.5209
 Epoch 484/700

267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_105:
0.5200 - val_loss: 0.7395 - val_auc_105: 0.5158
Epoch 485/700
267/267 [=====] - 1s 3ms/step - loss: 0.7720 - auc_105:
0.5218 - val_loss: 0.8841 - val_auc_105: 0.5201
Epoch 486/700
267/267 [=====] - 1s 3ms/step - loss: 0.7925 - auc_105:
0.5191 - val_loss: 0.8006 - val_auc_105: 0.5198
Epoch 487/700
267/267 [=====] - 1s 3ms/step - loss: 0.7768 - auc_105:
0.5179 - val_loss: 0.7217 - val_auc_105: 0.5162
Epoch 488/700
267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_105:
0.5199 - val_loss: 0.7648 - val_auc_105: 0.5173
Epoch 489/700
267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_105:
0.5200 - val_loss: 0.7383 - val_auc_105: 0.5176
Epoch 490/700
267/267 [=====] - 1s 3ms/step - loss: 0.7673 - auc_105:
0.5182 - val_loss: 0.8258 - val_auc_105: 0.5125
Epoch 491/700
267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_105:
0.5192 - val_loss: 0.7929 - val_auc_105: 0.5141
Epoch 492/700
267/267 [=====] - 1s 3ms/step - loss: 0.7674 - auc_105:
0.5204 - val_loss: 0.7595 - val_auc_105: 0.5137
Epoch 493/700
267/267 [=====] - 1s 3ms/step - loss: 0.7833 - auc_105:
0.5198 - val_loss: 0.8385 - val_auc_105: 0.5131
Epoch 494/700
267/267 [=====] - 1s 3ms/step - loss: 0.7729 - auc_105:
0.5193 - val_loss: 0.8084 - val_auc_105: 0.5057
Epoch 495/700
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_105:
0.5192 - val_loss: 0.8159 - val_auc_105: 0.5149
Epoch 496/700
267/267 [=====] - 1s 3ms/step - loss: 0.7895 - auc_105:
0.5190 - val_loss: 0.7215 - val_auc_105: 0.5162
Epoch 497/700
267/267 [=====] - 1s 3ms/step - loss: 0.7857 - auc_105:
0.5183 - val_loss: 0.7783 - val_auc_105: 0.5131
Epoch 498/700
267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_105:
0.5210 - val_loss: 0.7580 - val_auc_105: 0.5155
Epoch 499/700
267/267 [=====] - 1s 3ms/step - loss: 0.7858 - auc_105:
0.5207 - val_loss: 0.7711 - val_auc_105: 0.5158
Epoch 500/700

267/267 [=====] - 1s 3ms/step - loss: 0.7689 - auc_105:
0.5169 - val_loss: 0.7473 - val_auc_105: 0.5108
Epoch 501/700
267/267 [=====] - 1s 3ms/step - loss: 0.7709 - auc_105:
0.5190 - val_loss: 0.7691 - val_auc_105: 0.5148
Epoch 502/700
267/267 [=====] - 1s 3ms/step - loss: 0.7644 - auc_105:
0.5187 - val_loss: 0.7158 - val_auc_105: 0.5243
Epoch 503/700
267/267 [=====] - 1s 3ms/step - loss: 0.7851 - auc_105:
0.5184 - val_loss: 0.8293 - val_auc_105: 0.5120
Epoch 504/700
267/267 [=====] - 1s 3ms/step - loss: 0.7605 - auc_105:
0.5201 - val_loss: 0.7705 - val_auc_105: 0.5145
Epoch 505/700
267/267 [=====] - 1s 3ms/step - loss: 0.7912 - auc_105:
0.5209 - val_loss: 0.8150 - val_auc_105: 0.5113
Epoch 506/700
267/267 [=====] - 1s 3ms/step - loss: 0.7610 - auc_105:
0.5198 - val_loss: 0.7847 - val_auc_105: 0.5177
Epoch 507/700
267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_105:
0.5203 - val_loss: 0.8752 - val_auc_105: 0.5152
Epoch 508/700
267/267 [=====] - 1s 3ms/step - loss: 0.7837 - auc_105:
0.5177 - val_loss: 0.7802 - val_auc_105: 0.5143
Epoch 509/700
267/267 [=====] - 1s 3ms/step - loss: 0.7902 - auc_105:
0.5207 - val_loss: 0.7831 - val_auc_105: 0.5209
Epoch 510/700
267/267 [=====] - 1s 3ms/step - loss: 0.7692 - auc_105:
0.5181 - val_loss: 0.8122 - val_auc_105: 0.5106
Epoch 511/700
267/267 [=====] - 1s 3ms/step - loss: 0.8139 - auc_105:
0.5207 - val_loss: 0.7835 - val_auc_105: 0.5216
Epoch 512/700
267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_105:
0.5172 - val_loss: 0.7761 - val_auc_105: 0.5049
Epoch 513/700
267/267 [=====] - 1s 3ms/step - loss: 0.7740 - auc_105:
0.5177 - val_loss: 0.7523 - val_auc_105: 0.5083
Epoch 514/700
267/267 [=====] - 1s 3ms/step - loss: 0.7634 - auc_105:
0.5198 - val_loss: 0.7523 - val_auc_105: 0.5185
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 0.7607 - auc_105:
0.5213 - val_loss: 0.7806 - val_auc_105: 0.5162
Epoch 516/700

267/267 [=====] - 1s 3ms/step - loss: 0.8037 - auc_105:
0.5202 - val_loss: 0.8943 - val_auc_105: 0.5155
Epoch 517/700
267/267 [=====] - 1s 3ms/step - loss: 0.7778 - auc_105:
0.5179 - val_loss: 0.8050 - val_auc_105: 0.5156
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 0.7780 - auc_105:
0.5185 - val_loss: 0.7538 - val_auc_105: 0.5157
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 0.7597 - auc_105:
0.5192 - val_loss: 0.7250 - val_auc_105: 0.5213
Epoch 520/700
267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_105:
0.5214 - val_loss: 0.7395 - val_auc_105: 0.5162
Epoch 521/700
267/267 [=====] - 1s 3ms/step - loss: 0.7791 - auc_105:
0.5207 - val_loss: 0.8369 - val_auc_105: 0.5159
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 0.8081 - auc_105:
0.5199 - val_loss: 0.7684 - val_auc_105: 0.5116
Epoch 523/700
267/267 [=====] - 1s 3ms/step - loss: 0.7716 - auc_105:
0.5214 - val_loss: 0.7158 - val_auc_105: 0.5218
Epoch 524/700
267/267 [=====] - 1s 3ms/step - loss: 0.7705 - auc_105:
0.5203 - val_loss: 0.9219 - val_auc_105: 0.5150
Epoch 525/700
267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_105:
0.5177 - val_loss: 0.9296 - val_auc_105: 0.5126
Epoch 526/700
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_105:
0.5184 - val_loss: 0.8540 - val_auc_105: 0.5193
Epoch 527/700
267/267 [=====] - 1s 3ms/step - loss: 0.8069 - auc_105:
0.5194 - val_loss: 0.8027 - val_auc_105: 0.5136
Epoch 528/700
267/267 [=====] - 1s 3ms/step - loss: 0.8064 - auc_105:
0.5194 - val_loss: 0.7884 - val_auc_105: 0.5143
Epoch 529/700
267/267 [=====] - 1s 3ms/step - loss: 0.7484 - auc_105:
0.5207 - val_loss: 0.8340 - val_auc_105: 0.5134
Epoch 530/700
267/267 [=====] - 1s 3ms/step - loss: 0.7865 - auc_105:
0.5205 - val_loss: 0.9161 - val_auc_105: 0.5118
Epoch 531/700
267/267 [=====] - 1s 3ms/step - loss: 0.8209 - auc_105:
0.5206 - val_loss: 0.7438 - val_auc_105: 0.5127
Epoch 532/700

267/267 [=====] - 1s 3ms/step - loss: 0.7803 - auc_105:
 0.5193 - val_loss: 0.7670 - val_auc_105: 0.5114
 Epoch 533/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8258 - auc_105:
 0.5200 - val_loss: 0.7685 - val_auc_105: 0.5172
 Epoch 534/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7757 - auc_105:
 0.5198 - val_loss: 0.8243 - val_auc_105: 0.5131
 Epoch 535/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7948 - auc_105:
 0.5191 - val_loss: 0.8207 - val_auc_105: 0.5179
 Epoch 536/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_105:
 0.5202 - val_loss: 0.7537 - val_auc_105: 0.5154
 Epoch 537/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8026 - auc_105:
 0.5179 - val_loss: 0.9615 - val_auc_105: 0.5186
 Epoch 538/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8269 - auc_105:
 0.5213 - val_loss: 0.8798 - val_auc_105: 0.5182
 Epoch 539/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_105:
 0.5178 - val_loss: 0.8631 - val_auc_105: 0.5056
 Epoch 540/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7772 - auc_105:
 0.5209 - val_loss: 0.7609 - val_auc_105: 0.5173
 Epoch 541/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7797 - auc_105:
 0.5191 - val_loss: 0.7266 - val_auc_105: 0.5210
 Epoch 542/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7958 - auc_105:
 0.5185 - val_loss: 0.7998 - val_auc_105: 0.5107
 Epoch 543/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7660 - auc_105:
 0.5198 - val_loss: 0.7492 - val_auc_105: 0.5227
 Epoch 544/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_105:
 0.5173 - val_loss: 0.7254 - val_auc_105: 0.5187
 Epoch 545/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_105:
 0.5195 - val_loss: 0.7360 - val_auc_105: 0.5185
 Epoch 546/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7604 - auc_105:
 0.5207 - val_loss: 0.7301 - val_auc_105: 0.5208
 Epoch 547/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_105:
 0.5186 - val_loss: 0.7592 - val_auc_105: 0.5233
 Epoch 548/700

267/267 [=====] - 1s 3ms/step - loss: 0.7946 - auc_105:
 0.5168 - val_loss: 0.7921 - val_auc_105: 0.5109
 Epoch 549/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_105:
 0.5212 - val_loss: 0.7963 - val_auc_105: 0.5054
 Epoch 550/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7615 - auc_105:
 0.5204 - val_loss: 0.7277 - val_auc_105: 0.5196
 Epoch 551/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7891 - auc_105:
 0.5159 - val_loss: 0.7512 - val_auc_105: 0.5230
 Epoch 552/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7648 - auc_105:
 0.5209 - val_loss: 0.8103 - val_auc_105: 0.5157
 Epoch 553/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7785 - auc_105:
 0.5197 - val_loss: 0.8138 - val_auc_105: 0.5214
 Epoch 554/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7929 - auc_105:
 0.5181 - val_loss: 0.7447 - val_auc_105: 0.5179
 Epoch 555/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7689 - auc_105:
 0.5214 - val_loss: 0.7278 - val_auc_105: 0.5174
 Epoch 556/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8291 - auc_105:
 0.5204 - val_loss: 0.8259 - val_auc_105: 0.5162
 Epoch 557/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7618 - auc_105:
 0.5207 - val_loss: 0.7634 - val_auc_105: 0.5126
 Epoch 558/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7838 - auc_105:
 0.5198 - val_loss: 0.7719 - val_auc_105: 0.5204
 Epoch 559/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7934 - auc_105:
 0.5165 - val_loss: 0.7764 - val_auc_105: 0.5181
 Epoch 560/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7749 - auc_105:
 0.5205 - val_loss: 0.7637 - val_auc_105: 0.5158
 Epoch 561/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7622 - auc_105:
 0.5206 - val_loss: 0.8133 - val_auc_105: 0.5174
 Epoch 562/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7764 - auc_105:
 0.5204 - val_loss: 0.7344 - val_auc_105: 0.5126
 Epoch 563/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7604 - auc_105:
 0.5202 - val_loss: 0.7845 - val_auc_105: 0.5093
 Epoch 564/700

267/267 [=====] - 1s 3ms/step - loss: 0.7795 - auc_105:
 0.5207 - val_loss: 0.9137 - val_auc_105: 0.5115
 Epoch 565/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7750 - auc_105:
 0.5212 - val_loss: 0.7853 - val_auc_105: 0.5107
 Epoch 566/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8168 - auc_105:
 0.5168 - val_loss: 0.8191 - val_auc_105: 0.5194
 Epoch 567/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7697 - auc_105:
 0.5202 - val_loss: 0.7263 - val_auc_105: 0.5163
 Epoch 568/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7636 - auc_105:
 0.5188 - val_loss: 0.7727 - val_auc_105: 0.5170
 Epoch 569/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7834 - auc_105:
 0.5197 - val_loss: 0.8027 - val_auc_105: 0.5142
 Epoch 570/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7702 - auc_105:
 0.5190 - val_loss: 0.8001 - val_auc_105: 0.5179
 Epoch 571/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7652 - auc_105:
 0.5190 - val_loss: 0.7776 - val_auc_105: 0.5130
 Epoch 572/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_105:
 0.5196 - val_loss: 0.7954 - val_auc_105: 0.5174
 Epoch 573/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7794 - auc_105:
 0.5218 - val_loss: 0.7474 - val_auc_105: 0.5257
 Epoch 574/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7849 - auc_105:
 0.5207 - val_loss: 0.7873 - val_auc_105: 0.5157
 Epoch 575/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7869 - auc_105:
 0.5208 - val_loss: 0.8113 - val_auc_105: 0.5195
 Epoch 576/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7998 - auc_105:
 0.5177 - val_loss: 0.8170 - val_auc_105: 0.5119
 Epoch 577/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_105:
 0.5200 - val_loss: 0.7426 - val_auc_105: 0.5168
 Epoch 578/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7798 - auc_105:
 0.5211 - val_loss: 0.7686 - val_auc_105: 0.5201
 Epoch 579/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_105:
 0.5185 - val_loss: 0.7610 - val_auc_105: 0.5140
 Epoch 580/700

267/267 [=====] - 1s 3ms/step - loss: 0.7588 - auc_105:
0.5204 - val_loss: 0.7540 - val_auc_105: 0.5101
Epoch 581/700
267/267 [=====] - 1s 3ms/step - loss: 0.7628 - auc_105:
0.5196 - val_loss: 0.7463 - val_auc_105: 0.5181
Epoch 582/700
267/267 [=====] - 1s 3ms/step - loss: 0.8058 - auc_105:
0.5159 - val_loss: 0.7677 - val_auc_105: 0.5160
Epoch 583/700
267/267 [=====] - 1s 3ms/step - loss: 0.7660 - auc_105:
0.5196 - val_loss: 0.8132 - val_auc_105: 0.5074
Epoch 584/700
267/267 [=====] - 1s 3ms/step - loss: 0.7913 - auc_105:
0.5189 - val_loss: 0.9013 - val_auc_105: 0.5093
Epoch 585/700
267/267 [=====] - 1s 3ms/step - loss: 0.7864 - auc_105:
0.5204 - val_loss: 0.8697 - val_auc_105: 0.5214
Epoch 586/700
267/267 [=====] - 1s 3ms/step - loss: 0.7852 - auc_105:
0.5226 - val_loss: 0.7269 - val_auc_105: 0.5228
Epoch 587/700
267/267 [=====] - 1s 3ms/step - loss: 0.7821 - auc_105:
0.5194 - val_loss: 0.7502 - val_auc_105: 0.5159
Epoch 588/700
267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_105:
0.5199 - val_loss: 0.7545 - val_auc_105: 0.5171
Epoch 589/700
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_105:
0.5174 - val_loss: 0.7814 - val_auc_105: 0.5167
Epoch 590/700
267/267 [=====] - 1s 3ms/step - loss: 0.7922 - auc_105:
0.5181 - val_loss: 0.7531 - val_auc_105: 0.5154
Epoch 591/700
267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_105:
0.5181 - val_loss: 0.7855 - val_auc_105: 0.5210
Epoch 592/700
267/267 [=====] - 1s 3ms/step - loss: 0.7735 - auc_105:
0.5208 - val_loss: 0.8476 - val_auc_105: 0.5159
Epoch 593/700
267/267 [=====] - 1s 3ms/step - loss: 0.7619 - auc_105:
0.5173 - val_loss: 0.8633 - val_auc_105: 0.5155
Epoch 594/700
267/267 [=====] - 1s 3ms/step - loss: 0.7805 - auc_105:
0.5202 - val_loss: 0.8029 - val_auc_105: 0.5137
Epoch 595/700
267/267 [=====] - 1s 3ms/step - loss: 0.7844 - auc_105:
0.5204 - val_loss: 0.7427 - val_auc_105: 0.5204
Epoch 596/700

267/267 [=====] - 1s 3ms/step - loss: 0.7658 - auc_105:
 0.5222 - val_loss: 0.7914 - val_auc_105: 0.5131
 Epoch 597/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7660 - auc_105:
 0.5184 - val_loss: 0.7661 - val_auc_105: 0.5151
 Epoch 598/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_105:
 0.5184 - val_loss: 0.8030 - val_auc_105: 0.5125
 Epoch 599/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7885 - auc_105:
 0.5188 - val_loss: 0.8067 - val_auc_105: 0.5173
 Epoch 600/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_105:
 0.5165 - val_loss: 0.8312 - val_auc_105: 0.5177
 Epoch 601/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7710 - auc_105:
 0.5211 - val_loss: 0.7643 - val_auc_105: 0.5189
 Epoch 602/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8004 - auc_105:
 0.5178 - val_loss: 0.8401 - val_auc_105: 0.5194
 Epoch 603/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7618 - auc_105:
 0.5192 - val_loss: 0.7279 - val_auc_105: 0.5191
 Epoch 604/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7824 - auc_105:
 0.5217 - val_loss: 0.7219 - val_auc_105: 0.5148
 Epoch 605/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7872 - auc_105:
 0.5188 - val_loss: 0.8197 - val_auc_105: 0.5155
 Epoch 606/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7745 - auc_105:
 0.5193 - val_loss: 0.7802 - val_auc_105: 0.5236
 Epoch 607/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8013 - auc_105:
 0.5230 - val_loss: 0.8384 - val_auc_105: 0.5144
 Epoch 608/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7793 - auc_105:
 0.5199 - val_loss: 0.7383 - val_auc_105: 0.5107
 Epoch 609/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7670 - auc_105:
 0.5222 - val_loss: 0.7225 - val_auc_105: 0.5171
 Epoch 610/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7867 - auc_105:
 0.5193 - val_loss: 0.7197 - val_auc_105: 0.5066
 Epoch 611/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7734 - auc_105:
 0.5209 - val_loss: 0.7402 - val_auc_105: 0.5049
 Epoch 612/700

267/267 [=====] - 1s 3ms/step - loss: 0.7496 - auc_105:
 0.5192 - val_loss: 0.7387 - val_auc_105: 0.5062
 Epoch 613/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7817 - auc_105:
 0.5201 - val_loss: 0.7720 - val_auc_105: 0.5178
 Epoch 614/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7753 - auc_105:
 0.5198 - val_loss: 0.7197 - val_auc_105: 0.5217
 Epoch 615/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7816 - auc_105:
 0.5205 - val_loss: 0.7783 - val_auc_105: 0.5127
 Epoch 616/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7788 - auc_105:
 0.5186 - val_loss: 0.7239 - val_auc_105: 0.5183
 Epoch 617/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7572 - auc_105:
 0.5219 - val_loss: 0.7612 - val_auc_105: 0.5133
 Epoch 618/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8059 - auc_105:
 0.5182 - val_loss: 0.7691 - val_auc_105: 0.5140
 Epoch 619/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7601 - auc_105:
 0.5208 - val_loss: 0.7375 - val_auc_105: 0.5142
 Epoch 620/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7678 - auc_105:
 0.5208 - val_loss: 0.7355 - val_auc_105: 0.5178
 Epoch 621/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7840 - auc_105:
 0.5206 - val_loss: 0.7649 - val_auc_105: 0.5137
 Epoch 622/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7775 - auc_105:
 0.5210 - val_loss: 0.7755 - val_auc_105: 0.5157
 Epoch 623/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7769 - auc_105:
 0.5196 - val_loss: 0.7221 - val_auc_105: 0.5210
 Epoch 624/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7609 - auc_105:
 0.5218 - val_loss: 0.7441 - val_auc_105: 0.5111
 Epoch 625/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7820 - auc_105:
 0.5191 - val_loss: 0.7409 - val_auc_105: 0.5221
 Epoch 626/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7705 - auc_105:
 0.5192 - val_loss: 0.7727 - val_auc_105: 0.5173
 Epoch 627/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_105:
 0.5203 - val_loss: 0.9084 - val_auc_105: 0.5094
 Epoch 628/700

267/267 [=====] - 1s 3ms/step - loss: 0.7715 - auc_105:
 0.5200 - val_loss: 0.7756 - val_auc_105: 0.5197
 Epoch 629/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8035 - auc_105:
 0.5194 - val_loss: 0.8026 - val_auc_105: 0.5144
 Epoch 630/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7589 - auc_105:
 0.5192 - val_loss: 0.7368 - val_auc_105: 0.5184
 Epoch 631/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8038 - auc_105:
 0.5194 - val_loss: 0.7427 - val_auc_105: 0.5173
 Epoch 632/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7910 - auc_105:
 0.5210 - val_loss: 0.9420 - val_auc_105: 0.5153
 Epoch 633/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7963 - auc_105:
 0.5151 - val_loss: 0.8205 - val_auc_105: 0.5134
 Epoch 634/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8004 - auc_105:
 0.5208 - val_loss: 0.8236 - val_auc_105: 0.5114
 Epoch 635/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7659 - auc_105:
 0.5198 - val_loss: 0.8186 - val_auc_105: 0.5145
 Epoch 636/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_105:
 0.5202 - val_loss: 0.7669 - val_auc_105: 0.5114
 Epoch 637/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7830 - auc_105:
 0.5215 - val_loss: 0.7714 - val_auc_105: 0.5187
 Epoch 638/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7881 - auc_105:
 0.5197 - val_loss: 0.7847 - val_auc_105: 0.5128
 Epoch 639/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7630 - auc_105:
 0.5210 - val_loss: 0.7912 - val_auc_105: 0.5143
 Epoch 640/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7739 - auc_105:
 0.5201 - val_loss: 0.7670 - val_auc_105: 0.5199
 Epoch 641/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7701 - auc_105:
 0.5211 - val_loss: 0.7742 - val_auc_105: 0.5204
 Epoch 642/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_105:
 0.5199 - val_loss: 0.7732 - val_auc_105: 0.5203
 Epoch 643/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7811 - auc_105:
 0.5186 - val_loss: 0.7106 - val_auc_105: 0.5142
 Epoch 644/700

267/267 [=====] - 1s 3ms/step - loss: 0.7661 - auc_105:
 0.5215 - val_loss: 0.7640 - val_auc_105: 0.5031
 Epoch 645/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7743 - auc_105:
 0.5188 - val_loss: 0.8294 - val_auc_105: 0.5125
 Epoch 646/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8039 - auc_105:
 0.5205 - val_loss: 0.8556 - val_auc_105: 0.5119
 Epoch 647/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_105:
 0.5202 - val_loss: 0.7217 - val_auc_105: 0.5144
 Epoch 648/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_105:
 0.5194 - val_loss: 0.7693 - val_auc_105: 0.5136
 Epoch 649/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7703 - auc_105:
 0.5203 - val_loss: 0.7309 - val_auc_105: 0.5222
 Epoch 650/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7619 - auc_105:
 0.5185 - val_loss: 0.7927 - val_auc_105: 0.5135
 Epoch 651/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7939 - auc_105:
 0.5187 - val_loss: 0.7744 - val_auc_105: 0.5194
 Epoch 652/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7843 - auc_105:
 0.5215 - val_loss: 0.7704 - val_auc_105: 0.5160
 Epoch 653/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7568 - auc_105:
 0.5191 - val_loss: 0.7855 - val_auc_105: 0.5160
 Epoch 654/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7779 - auc_105:
 0.5192 - val_loss: 0.8092 - val_auc_105: 0.5090
 Epoch 655/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7707 - auc_105:
 0.5182 - val_loss: 0.9427 - val_auc_105: 0.5116
 Epoch 656/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8271 - auc_105:
 0.5218 - val_loss: 0.7889 - val_auc_105: 0.5092
 Epoch 657/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7876 - auc_105:
 0.5197 - val_loss: 0.7559 - val_auc_105: 0.5145
 Epoch 658/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7667 - auc_105:
 0.5187 - val_loss: 0.7319 - val_auc_105: 0.5144
 Epoch 659/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7784 - auc_105:
 0.5162 - val_loss: 0.8262 - val_auc_105: 0.5102
 Epoch 660/700

267/267 [=====] - 1s 3ms/step - loss: 0.7762 - auc_105:
 0.5180 - val_loss: 1.0026 - val_auc_105: 0.5146
 Epoch 661/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7832 - auc_105:
 0.5206 - val_loss: 0.7397 - val_auc_105: 0.5197
 Epoch 662/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7726 - auc_105:
 0.5209 - val_loss: 0.8678 - val_auc_105: 0.5109
 Epoch 663/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7704 - auc_105:
 0.5181 - val_loss: 0.7654 - val_auc_105: 0.5153
 Epoch 664/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7812 - auc_105:
 0.5209 - val_loss: 0.7462 - val_auc_105: 0.5135
 Epoch 665/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7546 - auc_105:
 0.5194 - val_loss: 0.8170 - val_auc_105: 0.5160
 Epoch 666/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8011 - auc_105:
 0.5201 - val_loss: 0.7974 - val_auc_105: 0.5137
 Epoch 667/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7771 - auc_105:
 0.5208 - val_loss: 0.8214 - val_auc_105: 0.5178
 Epoch 668/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7898 - auc_105:
 0.5211 - val_loss: 0.7864 - val_auc_105: 0.5087
 Epoch 669/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7787 - auc_105:
 0.5193 - val_loss: 0.7106 - val_auc_105: 0.5223
 Epoch 670/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7690 - auc_105:
 0.5201 - val_loss: 0.7540 - val_auc_105: 0.5174
 Epoch 671/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7767 - auc_105:
 0.5211 - val_loss: 0.8510 - val_auc_105: 0.5204
 Epoch 672/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7847 - auc_105:
 0.5208 - val_loss: 0.8274 - val_auc_105: 0.5154
 Epoch 673/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7662 - auc_105:
 0.5211 - val_loss: 0.8693 - val_auc_105: 0.5162
 Epoch 674/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_105:
 0.5233 - val_loss: 0.7786 - val_auc_105: 0.5134
 Epoch 675/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7783 - auc_105:
 0.5230 - val_loss: 0.7773 - val_auc_105: 0.5107
 Epoch 676/700

267/267 [=====] - 1s 3ms/step - loss: 0.7841 - auc_105:
 0.5188 - val_loss: 0.7769 - val_auc_105: 0.5062
 Epoch 677/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7758 - auc_105:
 0.5170 - val_loss: 0.8401 - val_auc_105: 0.5173
 Epoch 678/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7691 - auc_105:
 0.5202 - val_loss: 0.9121 - val_auc_105: 0.5132
 Epoch 679/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8061 - auc_105:
 0.5207 - val_loss: 0.8650 - val_auc_105: 0.5073
 Epoch 680/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7908 - auc_105:
 0.5172 - val_loss: 0.9571 - val_auc_105: 0.5137
 Epoch 681/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7953 - auc_105:
 0.5202 - val_loss: 0.7280 - val_auc_105: 0.5210
 Epoch 682/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7457 - auc_105:
 0.5232 - val_loss: 0.7356 - val_auc_105: 0.5163
 Epoch 683/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7700 - auc_105:
 0.5212 - val_loss: 0.7868 - val_auc_105: 0.5141
 Epoch 684/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7905 - auc_105:
 0.5194 - val_loss: 0.7535 - val_auc_105: 0.5158
 Epoch 685/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7747 - auc_105:
 0.5220 - val_loss: 0.7336 - val_auc_105: 0.5195
 Epoch 686/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7748 - auc_105:
 0.5199 - val_loss: 0.7452 - val_auc_105: 0.5119
 Epoch 687/700
 267/267 [=====] - 1s 3ms/step - loss: 0.8171 - auc_105:
 0.5189 - val_loss: 0.7831 - val_auc_105: 0.5116
 Epoch 688/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7746 - auc_105:
 0.5202 - val_loss: 0.7381 - val_auc_105: 0.5202
 Epoch 689/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7760 - auc_105:
 0.5183 - val_loss: 0.7918 - val_auc_105: 0.5163
 Epoch 690/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7904 - auc_105:
 0.5210 - val_loss: 0.7748 - val_auc_105: 0.5153
 Epoch 691/700
 267/267 [=====] - 1s 3ms/step - loss: 0.7700 - auc_105:
 0.5196 - val_loss: 0.7798 - val_auc_105: 0.5113
 Epoch 692/700

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267/267 [=====] - 1s 3ms/step - loss: 0.7896 - auc_105:
0.5194 - val_loss: 0.7675 - val_auc_105: 0.5133
Epoch 693/700
267/267 [=====] - 1s 3ms/step - loss: 0.7529 - auc_105:
0.5194 - val_loss: 0.7867 - val_auc_105: 0.5111
Epoch 694/700
267/267 [=====] - 1s 3ms/step - loss: 0.7728 - auc_105:
0.5208 - val_loss: 0.7982 - val_auc_105: 0.5160
Epoch 695/700
267/267 [=====] - 1s 3ms/step - loss: 0.7893 - auc_105:
0.5213 - val_loss: 0.7331 - val_auc_105: 0.5144
Epoch 696/700
267/267 [=====] - 1s 3ms/step - loss: 0.7886 - auc_105:
0.5218 - val_loss: 0.7600 - val_auc_105: 0.5137
Epoch 697/700
267/267 [=====] - 1s 3ms/step - loss: 0.7644 - auc_105:
0.5204 - val_loss: 0.9397 - val_auc_105: 0.5142
Epoch 698/700
267/267 [=====] - 1s 3ms/step - loss: 0.7668 - auc_105:
0.5203 - val_loss: 0.7519 - val_auc_105: 0.5266
Epoch 699/700
267/267 [=====] - 1s 3ms/step - loss: 0.7792 - auc_105:
0.5188 - val_loss: 0.7682 - val_auc_105: 0.5197
Epoch 700/700
267/267 [=====] - 1s 3ms/step - loss: 0.7658 - auc_105:
0.5203 - val_loss: 0.7624 - val_auc_105: 0.5186
625/625 [=====] - 0s 586us/step
[CV] ... epochs=700, learning_rate=0.001, score=0.521, total= 8.9min
[CV] epochs=700, learning_rate=0.01 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 4.5393 - auc_106:
0.5006 - val_loss: 2.5697 - val_auc_106: 0.4996
Epoch 2/700
267/267 [=====] - 1s 3ms/step - loss: 2.2046 - auc_106:
0.5009 - val_loss: 1.4616 - val_auc_106: 0.5053
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 2.1146 - auc_106:
0.5040 - val_loss: 2.3445 - val_auc_106: 0.4962
Epoch 4/700
267/267 [=====] - 1s 3ms/step - loss: 2.3163 - auc_106:
0.5020 - val_loss: 4.3505 - val_auc_106: 0.5139
Epoch 5/700
267/267 [=====] - 1s 3ms/step - loss: 2.5694 - auc_106:
0.5045 - val_loss: 1.3836 - val_auc_106: 0.5107
Epoch 6/700
267/267 [=====] - 1s 3ms/step - loss: 2.4516 - auc_106:
0.5018 - val_loss: 2.5572 - val_auc_106: 0.5189
Epoch 7/700

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267/267 [=====] - 1s 3ms/step - loss: 2.7390 - auc_106:
0.5072 - val_loss: 3.2656 - val_auc_106: 0.5034
Epoch 8/700
267/267 [=====] - 1s 3ms/step - loss: 2.3590 - auc_106:
0.5035 - val_loss: 1.6042 - val_auc_106: 0.5092
Epoch 9/700
267/267 [=====] - 1s 3ms/step - loss: 2.5388 - auc_106:
0.5030 - val_loss: 1.5208 - val_auc_106: 0.4991
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 2.0285 - auc_106:
0.5041 - val_loss: 1.7592 - val_auc_106: 0.5133
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 2.0418 - auc_106:
0.5081 - val_loss: 2.4690 - val_auc_106: 0.5161
Epoch 12/700
267/267 [=====] - 1s 3ms/step - loss: 2.2834 - auc_106:
0.5098 - val_loss: 1.2647 - val_auc_106: 0.5092
Epoch 13/700
267/267 [=====] - 1s 3ms/step - loss: 2.3784 - auc_106:
0.5073 - val_loss: 1.8025 - val_auc_106: 0.4912
Epoch 14/700
267/267 [=====] - 1s 3ms/step - loss: 2.2870 - auc_106:
0.5072 - val_loss: 3.6744 - val_auc_106: 0.5063
Epoch 15/700
267/267 [=====] - 1s 3ms/step - loss: 2.4148 - auc_106:
0.5047 - val_loss: 3.6478 - val_auc_106: 0.5089
Epoch 16/700
267/267 [=====] - 1s 3ms/step - loss: 2.3603 - auc_106:
0.5042 - val_loss: 2.0637 - val_auc_106: 0.5071
Epoch 17/700
267/267 [=====] - 1s 3ms/step - loss: 2.7658 - auc_106:
0.5043 - val_loss: 3.4524 - val_auc_106: 0.5066
Epoch 18/700
267/267 [=====] - 1s 3ms/step - loss: 2.2953 - auc_106:
0.5067 - val_loss: 1.9478 - val_auc_106: 0.5152
Epoch 19/700
267/267 [=====] - 1s 3ms/step - loss: 2.2898 - auc_106:
0.5049 - val_loss: 2.6823 - val_auc_106: 0.5129
Epoch 20/700
267/267 [=====] - 1s 3ms/step - loss: 2.5855 - auc_106:
0.5051 - val_loss: 2.2234 - val_auc_106: 0.4942
Epoch 21/700
267/267 [=====] - 1s 3ms/step - loss: 2.1709 - auc_106:
0.5060 - val_loss: 1.6417 - val_auc_106: 0.4987
Epoch 22/700
267/267 [=====] - 1s 3ms/step - loss: 2.3770 - auc_106:
0.5016 - val_loss: 1.5342 - val_auc_106: 0.5063
Epoch 23/700

267/267 [=====] - 1s 3ms/step - loss: 2.7834 - auc_106:
0.5075 - val_loss: 1.9329 - val_auc_106: 0.4984
Epoch 24/700
267/267 [=====] - 1s 3ms/step - loss: 2.7589 - auc_106:
0.5069 - val_loss: 2.7600 - val_auc_106: 0.5118
Epoch 25/700
267/267 [=====] - 1s 3ms/step - loss: 2.2620 - auc_106:
0.5064 - val_loss: 1.7080 - val_auc_106: 0.5077
Epoch 26/700
267/267 [=====] - 1s 3ms/step - loss: 2.2558 - auc_106:
0.5054 - val_loss: 2.0279 - val_auc_106: 0.5110
Epoch 27/700
267/267 [=====] - 1s 3ms/step - loss: 2.5609 - auc_106:
0.5049 - val_loss: 4.2111 - val_auc_106: 0.5106
Epoch 28/700
267/267 [=====] - 1s 3ms/step - loss: 2.3580 - auc_106:
0.5104 - val_loss: 2.5851 - val_auc_106: 0.5012
Epoch 29/700
267/267 [=====] - 1s 3ms/step - loss: 2.3111 - auc_106:
0.5074 - val_loss: 2.6890 - val_auc_106: 0.5164
Epoch 30/700
267/267 [=====] - 1s 3ms/step - loss: 2.0884 - auc_106:
0.5058 - val_loss: 1.7844 - val_auc_106: 0.4968
Epoch 31/700
267/267 [=====] - 1s 3ms/step - loss: 2.1127 - auc_106:
0.5072 - val_loss: 1.4317 - val_auc_106: 0.5131
Epoch 32/700
267/267 [=====] - 1s 3ms/step - loss: 2.2800 - auc_106:
0.5048 - val_loss: 2.1837 - val_auc_106: 0.5018
Epoch 33/700
267/267 [=====] - 1s 3ms/step - loss: 2.1065 - auc_106:
0.5047 - val_loss: 1.1630 - val_auc_106: 0.5009
Epoch 34/700
267/267 [=====] - 1s 3ms/step - loss: 2.5269 - auc_106:
0.5073 - val_loss: 2.9512 - val_auc_106: 0.5110
Epoch 35/700
267/267 [=====] - 1s 3ms/step - loss: 2.1464 - auc_106:
0.5043 - val_loss: 1.9225 - val_auc_106: 0.4984
Epoch 36/700
267/267 [=====] - 1s 3ms/step - loss: 2.1406 - auc_106:
0.5063 - val_loss: 1.7395 - val_auc_106: 0.5016
Epoch 37/700
267/267 [=====] - 1s 3ms/step - loss: 2.2580 - auc_106:
0.5068 - val_loss: 2.5643 - val_auc_106: 0.5030
Epoch 38/700
267/267 [=====] - 1s 3ms/step - loss: 2.2056 - auc_106:
0.5026 - val_loss: 1.7066 - val_auc_106: 0.5180
Epoch 39/700

267/267 [=====] - 1s 3ms/step - loss: 2.2928 - auc_106:
 0.5071 - val_loss: 1.7607 - val_auc_106: 0.5138
 Epoch 40/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2480 - auc_106:
 0.5058 - val_loss: 1.4907 - val_auc_106: 0.5118
 Epoch 41/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9673 - auc_106:
 0.5040 - val_loss: 2.4660 - val_auc_106: 0.5087
 Epoch 42/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0795 - auc_106:
 0.5062 - val_loss: 1.6155 - val_auc_106: 0.5062
 Epoch 43/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3388 - auc_106:
 0.5068 - val_loss: 4.2932 - val_auc_106: 0.5014
 Epoch 44/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4592 - auc_106:
 0.5050 - val_loss: 2.4685 - val_auc_106: 0.5064
 Epoch 45/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5651 - auc_106:
 0.5065 - val_loss: 2.5411 - val_auc_106: 0.5013
 Epoch 46/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1296 - auc_106:
 0.5042 - val_loss: 2.8882 - val_auc_106: 0.5131
 Epoch 47/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4475 - auc_106:
 0.5059 - val_loss: 2.7689 - val_auc_106: 0.5143
 Epoch 48/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8671 - auc_106:
 0.5046 - val_loss: 1.6108 - val_auc_106: 0.5151
 Epoch 49/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4448 - auc_106:
 0.5080 - val_loss: 1.4203 - val_auc_106: 0.5142
 Epoch 50/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4449 - auc_106:
 0.5068 - val_loss: 1.4308 - val_auc_106: 0.5106
 Epoch 51/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5972 - auc_106:
 0.5047 - val_loss: 2.3522 - val_auc_106: 0.5008
 Epoch 52/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5375 - auc_106:
 0.5081 - val_loss: 3.8467 - val_auc_106: 0.5046
 Epoch 53/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2608 - auc_106:
 0.5092 - val_loss: 2.7338 - val_auc_106: 0.5089
 Epoch 54/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3410 - auc_106:
 0.5118 - val_loss: 2.6729 - val_auc_106: 0.4993
 Epoch 55/700

267/267 [=====] - 1s 3ms/step - loss: 1.9777 - auc_106:
0.5079 - val_loss: 1.6198 - val_auc_106: 0.5029
Epoch 56/700
267/267 [=====] - 1s 3ms/step - loss: 2.0388 - auc_106:
0.5068 - val_loss: 3.5687 - val_auc_106: 0.5135
Epoch 57/700
267/267 [=====] - 1s 3ms/step - loss: 2.5408 - auc_106:
0.5060 - val_loss: 3.8623 - val_auc_106: 0.5070
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 2.2650 - auc_106:
0.5052 - val_loss: 1.7379 - val_auc_106: 0.5084
Epoch 59/700
267/267 [=====] - 1s 3ms/step - loss: 2.6202 - auc_106:
0.5075 - val_loss: 1.7341 - val_auc_106: 0.5151
Epoch 60/700
267/267 [=====] - 1s 3ms/step - loss: 2.4185 - auc_106:
0.5058 - val_loss: 3.5876 - val_auc_106: 0.5100
Epoch 61/700
267/267 [=====] - 1s 3ms/step - loss: 2.2352 - auc_106:
0.5067 - val_loss: 2.3105 - val_auc_106: 0.5124
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 2.2556 - auc_106:
0.5074 - val_loss: 3.9829 - val_auc_106: 0.5031
Epoch 63/700
267/267 [=====] - 1s 3ms/step - loss: 2.2765 - auc_106:
0.5095 - val_loss: 2.0183 - val_auc_106: 0.5074
Epoch 64/700
267/267 [=====] - 1s 3ms/step - loss: 2.1753 - auc_106:
0.5067 - val_loss: 3.7088 - val_auc_106: 0.5105
Epoch 65/700
267/267 [=====] - 1s 3ms/step - loss: 2.3551 - auc_106:
0.5074 - val_loss: 2.5341 - val_auc_106: 0.5031
Epoch 66/700
267/267 [=====] - 1s 3ms/step - loss: 2.0146 - auc_106:
0.5101 - val_loss: 4.1407 - val_auc_106: 0.4977
Epoch 67/700
267/267 [=====] - 1s 3ms/step - loss: 2.5698 - auc_106:
0.5066 - val_loss: 1.8630 - val_auc_106: 0.5095
Epoch 68/700
267/267 [=====] - 1s 3ms/step - loss: 2.0128 - auc_106:
0.5050 - val_loss: 1.7640 - val_auc_106: 0.5108
Epoch 69/700
267/267 [=====] - 1s 3ms/step - loss: 2.2901 - auc_106:
0.5055 - val_loss: 1.8770 - val_auc_106: 0.5034
Epoch 70/700
267/267 [=====] - 1s 3ms/step - loss: 2.4530 - auc_106:
0.5110 - val_loss: 3.3001 - val_auc_106: 0.5067
Epoch 71/700

267/267 [=====] - 1s 3ms/step - loss: 2.2440 - auc_106:
0.5053 - val_loss: 4.3382 - val_auc_106: 0.5094
Epoch 72/700
267/267 [=====] - 1s 3ms/step - loss: 2.5283 - auc_106:
0.5054 - val_loss: 2.3377 - val_auc_106: 0.5071
Epoch 73/700
267/267 [=====] - 1s 3ms/step - loss: 2.3747 - auc_106:
0.5080 - val_loss: 2.2385 - val_auc_106: 0.5097
Epoch 74/700
267/267 [=====] - 1s 3ms/step - loss: 2.4113 - auc_106:
0.5037 - val_loss: 1.3943 - val_auc_106: 0.5191
Epoch 75/700
267/267 [=====] - 1s 3ms/step - loss: 2.1455 - auc_106:
0.5070 - val_loss: 1.6199 - val_auc_106: 0.5048
Epoch 76/700
267/267 [=====] - 1s 3ms/step - loss: 2.4771 - auc_106:
0.5071 - val_loss: 3.7506 - val_auc_106: 0.4972
Epoch 77/700
267/267 [=====] - 1s 3ms/step - loss: 2.4517 - auc_106:
0.5085 - val_loss: 1.8883 - val_auc_106: 0.5079
Epoch 78/700
267/267 [=====] - 1s 3ms/step - loss: 2.3074 - auc_106:
0.5057 - val_loss: 1.6383 - val_auc_106: 0.5037
Epoch 79/700
267/267 [=====] - 1s 3ms/step - loss: 2.5673 - auc_106:
0.5040 - val_loss: 2.9605 - val_auc_106: 0.5080
Epoch 80/700
267/267 [=====] - 1s 3ms/step - loss: 2.4672 - auc_106:
0.5058 - val_loss: 2.3244 - val_auc_106: 0.4990
Epoch 81/700
267/267 [=====] - 1s 3ms/step - loss: 2.5435 - auc_106:
0.5060 - val_loss: 1.8236 - val_auc_106: 0.5139
Epoch 82/700
267/267 [=====] - 1s 3ms/step - loss: 2.4719 - auc_106:
0.5072 - val_loss: 1.1680 - val_auc_106: 0.5101
Epoch 83/700
267/267 [=====] - 1s 3ms/step - loss: 2.4001 - auc_106:
0.5074 - val_loss: 1.4569 - val_auc_106: 0.5098
Epoch 84/700
267/267 [=====] - 1s 3ms/step - loss: 2.3147 - auc_106:
0.5065 - val_loss: 1.4065 - val_auc_106: 0.4942
Epoch 85/700
267/267 [=====] - 1s 3ms/step - loss: 2.4247 - auc_106:
0.5065 - val_loss: 1.8204 - val_auc_106: 0.5066
Epoch 86/700
267/267 [=====] - 1s 3ms/step - loss: 2.5748 - auc_106:
0.5081 - val_loss: 2.5627 - val_auc_106: 0.5020
Epoch 87/700

267/267 [=====] - 1s 3ms/step - loss: 2.5759 - auc_106:
 0.5032 - val_loss: 2.5743 - val_auc_106: 0.5064
 Epoch 88/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3290 - auc_106:
 0.5057 - val_loss: 2.0845 - val_auc_106: 0.4996
 Epoch 89/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1197 - auc_106:
 0.5091 - val_loss: 0.9916 - val_auc_106: 0.5027
 Epoch 90/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6718 - auc_106:
 0.5070 - val_loss: 1.7055 - val_auc_106: 0.5083
 Epoch 91/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1911 - auc_106:
 0.5089 - val_loss: 3.1897 - val_auc_106: 0.5054
 Epoch 92/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3878 - auc_106:
 0.5121 - val_loss: 3.2951 - val_auc_106: 0.5142
 Epoch 93/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1885 - auc_106:
 0.5075 - val_loss: 3.6471 - val_auc_106: 0.5058
 Epoch 94/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4587 - auc_106:
 0.5034 - val_loss: 3.4208 - val_auc_106: 0.5154
 Epoch 95/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6211 - auc_106:
 0.5069 - val_loss: 4.3562 - val_auc_106: 0.5002
 Epoch 96/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5825 - auc_106:
 0.5064 - val_loss: 1.4180 - val_auc_106: 0.5068
 Epoch 97/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2312 - auc_106:
 0.5049 - val_loss: 3.1112 - val_auc_106: 0.5026
 Epoch 98/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0376 - auc_106:
 0.5104 - val_loss: 2.6962 - val_auc_106: 0.5159
 Epoch 99/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3012 - auc_106:
 0.5074 - val_loss: 1.9440 - val_auc_106: 0.5005
 Epoch 100/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1324 - auc_106:
 0.5083 - val_loss: 1.6823 - val_auc_106: 0.5112
 Epoch 101/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1397 - auc_106:
 0.5103 - val_loss: 2.8633 - val_auc_106: 0.5079
 Epoch 102/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3240 - auc_106:
 0.5074 - val_loss: 2.7651 - val_auc_106: 0.5080
 Epoch 103/700

267/267 [=====] - 1s 3ms/step - loss: 2.3932 - auc_106:
0.5058 - val_loss: 1.3963 - val_auc_106: 0.5139
Epoch 104/700
267/267 [=====] - 1s 3ms/step - loss: 2.1436 - auc_106:
0.5077 - val_loss: 1.8989 - val_auc_106: 0.5053
Epoch 105/700
267/267 [=====] - 1s 3ms/step - loss: 2.2472 - auc_106:
0.5056 - val_loss: 1.5020 - val_auc_106: 0.5129
Epoch 106/700
267/267 [=====] - 1s 3ms/step - loss: 2.6855 - auc_106:
0.5055 - val_loss: 2.7279 - val_auc_106: 0.5043
Epoch 107/700
267/267 [=====] - 1s 3ms/step - loss: 2.5442 - auc_106:
0.5084 - val_loss: 1.5843 - val_auc_106: 0.5076
Epoch 108/700
267/267 [=====] - 1s 3ms/step - loss: 2.4881 - auc_106:
0.5079 - val_loss: 3.4731 - val_auc_106: 0.5060
Epoch 109/700
267/267 [=====] - 1s 3ms/step - loss: 2.2406 - auc_106:
0.5075 - val_loss: 2.3323 - val_auc_106: 0.4927
Epoch 110/700
267/267 [=====] - 1s 3ms/step - loss: 2.5225 - auc_106:
0.5051 - val_loss: 2.3216 - val_auc_106: 0.5166
Epoch 111/700
267/267 [=====] - 1s 3ms/step - loss: 2.2732 - auc_106:
0.5086 - val_loss: 1.5883 - val_auc_106: 0.5109
Epoch 112/700
267/267 [=====] - 1s 3ms/step - loss: 2.0400 - auc_106:
0.5093 - val_loss: 2.8101 - val_auc_106: 0.5135
Epoch 113/700
267/267 [=====] - 1s 3ms/step - loss: 2.5625 - auc_106:
0.5077 - val_loss: 1.9708 - val_auc_106: 0.5057
Epoch 114/700
267/267 [=====] - 1s 3ms/step - loss: 2.6938 - auc_106:
0.5060 - val_loss: 3.7109 - val_auc_106: 0.5030
Epoch 115/700
267/267 [=====] - 1s 3ms/step - loss: 2.4535 - auc_106:
0.5080 - val_loss: 3.7084 - val_auc_106: 0.4977
Epoch 116/700
267/267 [=====] - 1s 3ms/step - loss: 2.5844 - auc_106:
0.5012 - val_loss: 2.5213 - val_auc_106: 0.5119
Epoch 117/700
267/267 [=====] - 1s 3ms/step - loss: 2.4233 - auc_106:
0.5070 - val_loss: 5.2926 - val_auc_106: 0.5092
Epoch 118/700
267/267 [=====] - 1s 3ms/step - loss: 2.3711 - auc_106:
0.5056 - val_loss: 1.4112 - val_auc_106: 0.5050
Epoch 119/700

267/267 [=====] - 1s 3ms/step - loss: 2.0211 - auc_106:
 0.5095 - val_loss: 2.0858 - val_auc_106: 0.4948
 Epoch 120/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9349 - auc_106:
 0.5086 - val_loss: 2.5405 - val_auc_106: 0.4913
 Epoch 121/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3120 - auc_106:
 0.5075 - val_loss: 3.0676 - val_auc_106: 0.5006
 Epoch 122/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1532 - auc_106:
 0.5101 - val_loss: 1.3601 - val_auc_106: 0.5006
 Epoch 123/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0931 - auc_106:
 0.5062 - val_loss: 3.7521 - val_auc_106: 0.5129
 Epoch 124/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3935 - auc_106:
 0.5061 - val_loss: 1.9733 - val_auc_106: 0.5076
 Epoch 125/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6307 - auc_106:
 0.5073 - val_loss: 2.1713 - val_auc_106: 0.5057
 Epoch 126/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5365 - auc_106:
 0.5110 - val_loss: 3.0092 - val_auc_106: 0.5046
 Epoch 127/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4388 - auc_106:
 0.5057 - val_loss: 1.1488 - val_auc_106: 0.5161
 Epoch 128/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1856 - auc_106:
 0.5056 - val_loss: 3.1625 - val_auc_106: 0.5086
 Epoch 129/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7442 - auc_106:
 0.5067 - val_loss: 2.2949 - val_auc_106: 0.4995
 Epoch 130/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1623 - auc_106:
 0.5089 - val_loss: 2.4017 - val_auc_106: 0.5096
 Epoch 131/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4500 - auc_106:
 0.5062 - val_loss: 1.6248 - val_auc_106: 0.5007
 Epoch 132/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4444 - auc_106:
 0.5079 - val_loss: 2.7296 - val_auc_106: 0.5078
 Epoch 133/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3470 - auc_106:
 0.5088 - val_loss: 1.4366 - val_auc_106: 0.5122
 Epoch 134/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7044 - auc_106:
 0.5046 - val_loss: 3.4969 - val_auc_106: 0.5052
 Epoch 135/700

267/267 [=====] - 1s 3ms/step - loss: 2.0277 - auc_106:
 0.5075 - val_loss: 2.7800 - val_auc_106: 0.5021
 Epoch 136/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3075 - auc_106:
 0.5101 - val_loss: 3.3175 - val_auc_106: 0.5026
 Epoch 137/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0741 - auc_106:
 0.5058 - val_loss: 1.4389 - val_auc_106: 0.5147
 Epoch 138/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2928 - auc_106:
 0.5051 - val_loss: 2.3405 - val_auc_106: 0.5112
 Epoch 139/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1167 - auc_106:
 0.5070 - val_loss: 1.9337 - val_auc_106: 0.4980
 Epoch 140/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5520 - auc_106:
 0.5076 - val_loss: 1.4651 - val_auc_106: 0.5168
 Epoch 141/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2393 - auc_106:
 0.5053 - val_loss: 1.2670 - val_auc_106: 0.5152
 Epoch 142/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7302 - auc_106:
 0.5068 - val_loss: 4.8586 - val_auc_106: 0.5046
 Epoch 143/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3796 - auc_106:
 0.5099 - val_loss: 2.7133 - val_auc_106: 0.5007
 Epoch 144/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6617 - auc_106:
 0.5085 - val_loss: 1.8425 - val_auc_106: 0.5166
 Epoch 145/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1594 - auc_106:
 0.5093 - val_loss: 1.5757 - val_auc_106: 0.5102
 Epoch 146/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3009 - auc_106:
 0.5059 - val_loss: 3.5630 - val_auc_106: 0.4889
 Epoch 147/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4444 - auc_106:
 0.5098 - val_loss: 2.5018 - val_auc_106: 0.5119
 Epoch 148/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0564 - auc_106:
 0.5077 - val_loss: 1.4787 - val_auc_106: 0.4954
 Epoch 149/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2460 - auc_106:
 0.5063 - val_loss: 1.4607 - val_auc_106: 0.5075
 Epoch 150/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5468 - auc_106:
 0.5083 - val_loss: 1.3845 - val_auc_106: 0.5136
 Epoch 151/700

267/267 [=====] - 1s 3ms/step - loss: 2.4850 - auc_106:
0.5046 - val_loss: 2.3275 - val_auc_106: 0.5054
Epoch 152/700
267/267 [=====] - 1s 3ms/step - loss: 2.4288 - auc_106:
0.5061 - val_loss: 1.6225 - val_auc_106: 0.5040
Epoch 153/700
267/267 [=====] - 1s 3ms/step - loss: 2.1247 - auc_106:
0.5083 - val_loss: 1.6618 - val_auc_106: 0.5051
Epoch 154/700
267/267 [=====] - 1s 3ms/step - loss: 2.4985 - auc_106:
0.5044 - val_loss: 2.3548 - val_auc_106: 0.4962
Epoch 155/700
267/267 [=====] - 1s 3ms/step - loss: 2.3070 - auc_106:
0.5077 - val_loss: 2.9129 - val_auc_106: 0.5112
Epoch 156/700
267/267 [=====] - 1s 3ms/step - loss: 2.2076 - auc_106:
0.5037 - val_loss: 1.9755 - val_auc_106: 0.5108
Epoch 157/700
267/267 [=====] - 1s 3ms/step - loss: 2.4693 - auc_106:
0.5074 - val_loss: 1.7297 - val_auc_106: 0.5128
Epoch 158/700
267/267 [=====] - 1s 3ms/step - loss: 2.0404 - auc_106:
0.5034 - val_loss: 4.2063 - val_auc_106: 0.5071
Epoch 159/700
267/267 [=====] - 1s 3ms/step - loss: 2.1960 - auc_106:
0.5098 - val_loss: 1.5622 - val_auc_106: 0.5103
Epoch 160/700
267/267 [=====] - 1s 3ms/step - loss: 2.0725 - auc_106:
0.5055 - val_loss: 2.7377 - val_auc_106: 0.5086
Epoch 161/700
267/267 [=====] - 1s 3ms/step - loss: 2.3897 - auc_106:
0.5052 - val_loss: 2.0428 - val_auc_106: 0.5061
Epoch 162/700
267/267 [=====] - 1s 3ms/step - loss: 2.0647 - auc_106:
0.5067 - val_loss: 2.8322 - val_auc_106: 0.5021
Epoch 163/700
267/267 [=====] - 1s 3ms/step - loss: 2.4887 - auc_106:
0.5041 - val_loss: 1.3111 - val_auc_106: 0.4923
Epoch 164/700
267/267 [=====] - 1s 3ms/step - loss: 1.9518 - auc_106:
0.5077 - val_loss: 2.2178 - val_auc_106: 0.5115
Epoch 165/700
267/267 [=====] - 1s 3ms/step - loss: 2.1083 - auc_106:
0.5074 - val_loss: 1.6885 - val_auc_106: 0.5135
Epoch 166/700
267/267 [=====] - 1s 3ms/step - loss: 2.0193 - auc_106:
0.5093 - val_loss: 3.8888 - val_auc_106: 0.5114
Epoch 167/700

267/267 [=====] - 1s 3ms/step - loss: 2.2252 - auc_106:
 0.5071 - val_loss: 2.0659 - val_auc_106: 0.5142
 Epoch 168/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2621 - auc_106:
 0.5087 - val_loss: 2.3813 - val_auc_106: 0.5115
 Epoch 169/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4267 - auc_106:
 0.5045 - val_loss: 2.0105 - val_auc_106: 0.5117
 Epoch 170/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3263 - auc_106:
 0.5039 - val_loss: 2.2088 - val_auc_106: 0.5105
 Epoch 171/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2407 - auc_106:
 0.5089 - val_loss: 1.9238 - val_auc_106: 0.5054
 Epoch 172/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0330 - auc_106:
 0.5036 - val_loss: 2.5677 - val_auc_106: 0.4999
 Epoch 173/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4205 - auc_106:
 0.5100 - val_loss: 1.7303 - val_auc_106: 0.4991
 Epoch 174/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6688 - auc_106:
 0.5042 - val_loss: 2.5746 - val_auc_106: 0.5101
 Epoch 175/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3852 - auc_106:
 0.5092 - val_loss: 2.3839 - val_auc_106: 0.5090
 Epoch 176/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3324 - auc_106:
 0.5045 - val_loss: 2.1933 - val_auc_106: 0.5102
 Epoch 177/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4634 - auc_106:
 0.5088 - val_loss: 3.1323 - val_auc_106: 0.5066
 Epoch 178/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2756 - auc_106:
 0.5075 - val_loss: 1.9260 - val_auc_106: 0.4975
 Epoch 179/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5260 - auc_106:
 0.5075 - val_loss: 3.7189 - val_auc_106: 0.5144
 Epoch 180/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4117 - auc_106:
 0.5071 - val_loss: 5.6196 - val_auc_106: 0.4964
 Epoch 181/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4957 - auc_106:
 0.5084 - val_loss: 2.8984 - val_auc_106: 0.5151
 Epoch 182/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1928 - auc_106:
 0.5081 - val_loss: 1.5178 - val_auc_106: 0.4898
 Epoch 183/700

267/267 [=====] - 1s 3ms/step - loss: 2.3163 - auc_106:
 0.5078 - val_loss: 1.6567 - val_auc_106: 0.5046
 Epoch 184/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0525 - auc_106:
 0.5075 - val_loss: 1.6888 - val_auc_106: 0.4927
 Epoch 185/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4149 - auc_106:
 0.5057 - val_loss: 1.0019 - val_auc_106: 0.5107
 Epoch 186/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3285 - auc_106:
 0.5104 - val_loss: 3.4466 - val_auc_106: 0.5089
 Epoch 187/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5047 - auc_106:
 0.5065 - val_loss: 1.2825 - val_auc_106: 0.5022
 Epoch 188/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3086 - auc_106:
 0.5046 - val_loss: 2.3584 - val_auc_106: 0.5079
 Epoch 189/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0854 - auc_106:
 0.5094 - val_loss: 1.8559 - val_auc_106: 0.5142
 Epoch 190/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9851 - auc_106:
 0.5073 - val_loss: 2.1802 - val_auc_106: 0.4965
 Epoch 191/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4218 - auc_106:
 0.5055 - val_loss: 1.6047 - val_auc_106: 0.5158
 Epoch 192/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0702 - auc_106:
 0.5078 - val_loss: 1.4027 - val_auc_106: 0.5085
 Epoch 193/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7975 - auc_106:
 0.5045 - val_loss: 2.7687 - val_auc_106: 0.5056
 Epoch 194/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3068 - auc_106:
 0.5094 - val_loss: 2.1854 - val_auc_106: 0.5081
 Epoch 195/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2061 - auc_106:
 0.5071 - val_loss: 1.8423 - val_auc_106: 0.5136
 Epoch 196/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7081 - auc_106:
 0.5046 - val_loss: 1.4043 - val_auc_106: 0.5157
 Epoch 197/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0472 - auc_106:
 0.5073 - val_loss: 1.8685 - val_auc_106: 0.5093
 Epoch 198/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5563 - auc_106:
 0.5087 - val_loss: 2.3840 - val_auc_106: 0.5151
 Epoch 199/700

267/267 [=====] - 1s 3ms/step - loss: 2.3367 - auc_106:
 0.5097 - val_loss: 2.1186 - val_auc_106: 0.5126
 Epoch 200/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3372 - auc_106:
 0.5085 - val_loss: 1.8797 - val_auc_106: 0.5200
 Epoch 201/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6022 - auc_106:
 0.5024 - val_loss: 2.1033 - val_auc_106: 0.5031
 Epoch 202/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6466 - auc_106:
 0.5059 - val_loss: 2.6250 - val_auc_106: 0.5077
 Epoch 203/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1955 - auc_106:
 0.5089 - val_loss: 2.3926 - val_auc_106: 0.5100
 Epoch 204/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2639 - auc_106:
 0.5060 - val_loss: 3.5492 - val_auc_106: 0.4908
 Epoch 205/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5622 - auc_106:
 0.5059 - val_loss: 3.7164 - val_auc_106: 0.5099
 Epoch 206/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3621 - auc_106:
 0.5054 - val_loss: 5.9274 - val_auc_106: 0.5045
 Epoch 207/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0321 - auc_106:
 0.5090 - val_loss: 1.6717 - val_auc_106: 0.5137
 Epoch 208/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2761 - auc_106:
 0.5067 - val_loss: 3.5521 - val_auc_106: 0.5053
 Epoch 209/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3208 - auc_106:
 0.5070 - val_loss: 2.3953 - val_auc_106: 0.5205
 Epoch 210/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2768 - auc_106:
 0.5103 - val_loss: 1.6729 - val_auc_106: 0.5079
 Epoch 211/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2338 - auc_106:
 0.5113 - val_loss: 1.6390 - val_auc_106: 0.4989
 Epoch 212/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2925 - auc_106:
 0.5087 - val_loss: 2.6707 - val_auc_106: 0.5087
 Epoch 213/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5423 - auc_106:
 0.5068 - val_loss: 1.8072 - val_auc_106: 0.5169
 Epoch 214/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1415 - auc_106:
 0.5106 - val_loss: 1.7036 - val_auc_106: 0.5082
 Epoch 215/700

267/267 [=====] - 1s 3ms/step - loss: 2.4988 - auc_106:
 0.5076 - val_loss: 2.3243 - val_auc_106: 0.5195
 Epoch 216/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6945 - auc_106:
 0.5054 - val_loss: 1.7548 - val_auc_106: 0.5088
 Epoch 217/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0533 - auc_106:
 0.5119 - val_loss: 2.5397 - val_auc_106: 0.5026
 Epoch 218/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8261 - auc_106:
 0.5092 - val_loss: 2.8294 - val_auc_106: 0.5009
 Epoch 219/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4469 - auc_106:
 0.5059 - val_loss: 2.1102 - val_auc_106: 0.5002
 Epoch 220/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4800 - auc_106:
 0.5043 - val_loss: 2.3404 - val_auc_106: 0.5080
 Epoch 221/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3870 - auc_106:
 0.5113 - val_loss: 1.4357 - val_auc_106: 0.5117
 Epoch 222/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5551 - auc_106:
 0.5084 - val_loss: 2.2326 - val_auc_106: 0.5001
 Epoch 223/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3019 - auc_106:
 0.5083 - val_loss: 2.6816 - val_auc_106: 0.5109
 Epoch 224/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2837 - auc_106:
 0.5089 - val_loss: 4.1265 - val_auc_106: 0.4971
 Epoch 225/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4490 - auc_106:
 0.5103 - val_loss: 2.0650 - val_auc_106: 0.4951
 Epoch 226/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2348 - auc_106:
 0.5044 - val_loss: 2.2259 - val_auc_106: 0.5065
 Epoch 227/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2757 - auc_106:
 0.5068 - val_loss: 2.5566 - val_auc_106: 0.4923
 Epoch 228/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9886 - auc_106:
 0.5064 - val_loss: 2.4077 - val_auc_106: 0.5079
 Epoch 229/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6092 - auc_106:
 0.5084 - val_loss: 1.6285 - val_auc_106: 0.5134
 Epoch 230/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4769 - auc_106:
 0.5117 - val_loss: 2.5222 - val_auc_106: 0.5058
 Epoch 231/700

267/267 [=====] - 1s 3ms/step - loss: 2.2538 - auc_106:
 0.5075 - val_loss: 1.2693 - val_auc_106: 0.5115
 Epoch 232/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0887 - auc_106:
 0.5111 - val_loss: 1.7557 - val_auc_106: 0.5096
 Epoch 233/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0340 - auc_106:
 0.5031 - val_loss: 1.8048 - val_auc_106: 0.4982
 Epoch 234/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3250 - auc_106:
 0.5072 - val_loss: 1.7990 - val_auc_106: 0.5078
 Epoch 235/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0802 - auc_106:
 0.5111 - val_loss: 2.3038 - val_auc_106: 0.5033
 Epoch 236/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5640 - auc_106:
 0.5053 - val_loss: 2.2420 - val_auc_106: 0.5087
 Epoch 237/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5590 - auc_106:
 0.5071 - val_loss: 2.1286 - val_auc_106: 0.5092
 Epoch 238/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0999 - auc_106:
 0.5099 - val_loss: 1.8266 - val_auc_106: 0.5079
 Epoch 239/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1073 - auc_106:
 0.5099 - val_loss: 2.0697 - val_auc_106: 0.5097
 Epoch 240/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3134 - auc_106:
 0.5057 - val_loss: 3.4487 - val_auc_106: 0.5017
 Epoch 241/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9213 - auc_106:
 0.5070 - val_loss: 3.0622 - val_auc_106: 0.5161
 Epoch 242/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4786 - auc_106:
 0.5044 - val_loss: 1.4596 - val_auc_106: 0.5075
 Epoch 243/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6469 - auc_106:
 0.5098 - val_loss: 1.9016 - val_auc_106: 0.5068
 Epoch 244/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3975 - auc_106:
 0.5037 - val_loss: 2.3211 - val_auc_106: 0.5077
 Epoch 245/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3131 - auc_106:
 0.5107 - val_loss: 1.1405 - val_auc_106: 0.5037
 Epoch 246/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0871 - auc_106:
 0.5065 - val_loss: 2.2907 - val_auc_106: 0.5017
 Epoch 247/700

267/267 [=====] - 1s 3ms/step - loss: 2.4822 - auc_106:
0.5068 - val_loss: 1.7528 - val_auc_106: 0.5173
Epoch 248/700
267/267 [=====] - 1s 3ms/step - loss: 2.5195 - auc_106:
0.5113 - val_loss: 2.4011 - val_auc_106: 0.4895
Epoch 249/700
267/267 [=====] - 1s 3ms/step - loss: 2.4818 - auc_106:
0.5082 - val_loss: 1.9878 - val_auc_106: 0.5120
Epoch 250/700
267/267 [=====] - 1s 3ms/step - loss: 2.3097 - auc_106:
0.5075 - val_loss: 1.0355 - val_auc_106: 0.5080
Epoch 251/700
267/267 [=====] - 1s 3ms/step - loss: 1.9827 - auc_106:
0.5073 - val_loss: 1.4851 - val_auc_106: 0.5106
Epoch 252/700
267/267 [=====] - 1s 3ms/step - loss: 2.3680 - auc_106:
0.5076 - val_loss: 1.3927 - val_auc_106: 0.5031
Epoch 253/700
267/267 [=====] - 1s 3ms/step - loss: 2.5286 - auc_106:
0.5053 - val_loss: 3.5573 - val_auc_106: 0.5034
Epoch 254/700
267/267 [=====] - 1s 3ms/step - loss: 2.4382 - auc_106:
0.5122 - val_loss: 1.5635 - val_auc_106: 0.5135
Epoch 255/700
267/267 [=====] - 1s 3ms/step - loss: 2.2839 - auc_106:
0.5087 - val_loss: 4.1637 - val_auc_106: 0.5056
Epoch 256/700
267/267 [=====] - 1s 3ms/step - loss: 2.6560 - auc_106:
0.5074 - val_loss: 2.2864 - val_auc_106: 0.5025
Epoch 257/700
267/267 [=====] - 1s 3ms/step - loss: 2.5857 - auc_106:
0.5094 - val_loss: 1.5377 - val_auc_106: 0.5196
Epoch 258/700
267/267 [=====] - 1s 3ms/step - loss: 2.5636 - auc_106:
0.5061 - val_loss: 3.6085 - val_auc_106: 0.4975
Epoch 259/700
267/267 [=====] - 1s 3ms/step - loss: 3.0498 - auc_106:
0.5092 - val_loss: 2.2597 - val_auc_106: 0.5040
Epoch 260/700
267/267 [=====] - 1s 3ms/step - loss: 2.0353 - auc_106:
0.5071 - val_loss: 2.6382 - val_auc_106: 0.4964
Epoch 261/700
267/267 [=====] - 1s 3ms/step - loss: 2.6210 - auc_106:
0.5110 - val_loss: 2.7316 - val_auc_106: 0.5068
Epoch 262/700
267/267 [=====] - 1s 3ms/step - loss: 2.3029 - auc_106:
0.5061 - val_loss: 2.9948 - val_auc_106: 0.5029
Epoch 263/700

267/267 [=====] - 1s 3ms/step - loss: 2.4514 - auc_106:
 0.5057 - val_loss: 1.6758 - val_auc_106: 0.4910
 Epoch 264/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3252 - auc_106:
 0.5047 - val_loss: 1.3935 - val_auc_106: 0.4943
 Epoch 265/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3904 - auc_106:
 0.5082 - val_loss: 4.1498 - val_auc_106: 0.5074
 Epoch 266/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4146 - auc_106:
 0.5109 - val_loss: 2.0109 - val_auc_106: 0.5141
 Epoch 267/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7091 - auc_106:
 0.5070 - val_loss: 2.1474 - val_auc_106: 0.5136
 Epoch 268/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9085 - auc_106:
 0.5070 - val_loss: 3.1098 - val_auc_106: 0.5100
 Epoch 269/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3859 - auc_106:
 0.5074 - val_loss: 1.4913 - val_auc_106: 0.5104
 Epoch 270/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3260 - auc_106:
 0.5061 - val_loss: 2.8159 - val_auc_106: 0.5010
 Epoch 271/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6553 - auc_106:
 0.5104 - val_loss: 2.6147 - val_auc_106: 0.5025
 Epoch 272/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2140 - auc_106:
 0.5094 - val_loss: 2.3628 - val_auc_106: 0.5134
 Epoch 273/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3463 - auc_106:
 0.5029 - val_loss: 1.8083 - val_auc_106: 0.4899
 Epoch 274/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3015 - auc_106:
 0.5102 - val_loss: 1.5242 - val_auc_106: 0.5114
 Epoch 275/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4403 - auc_106:
 0.5047 - val_loss: 1.5621 - val_auc_106: 0.5178
 Epoch 276/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3095 - auc_106:
 0.5043 - val_loss: 3.2473 - val_auc_106: 0.5002
 Epoch 277/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5783 - auc_106:
 0.5115 - val_loss: 2.3109 - val_auc_106: 0.5058
 Epoch 278/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2987 - auc_106:
 0.5076 - val_loss: 5.2922 - val_auc_106: 0.5108
 Epoch 279/700

267/267 [=====] - 1s 3ms/step - loss: 2.5683 - auc_106:
 0.5080 - val_loss: 1.7841 - val_auc_106: 0.5098
 Epoch 280/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7616 - auc_106:
 0.5089 - val_loss: 2.8642 - val_auc_106: 0.5062
 Epoch 281/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2426 - auc_106:
 0.5061 - val_loss: 1.8794 - val_auc_106: 0.5070
 Epoch 282/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5287 - auc_106:
 0.5080 - val_loss: 2.6539 - val_auc_106: 0.5032
 Epoch 283/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5182 - auc_106:
 0.5110 - val_loss: 1.9840 - val_auc_106: 0.5001
 Epoch 284/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3592 - auc_106:
 0.5067 - val_loss: 1.2517 - val_auc_106: 0.5058
 Epoch 285/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2964 - auc_106:
 0.5073 - val_loss: 3.8136 - val_auc_106: 0.4951
 Epoch 286/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3724 - auc_106:
 0.5055 - val_loss: 2.4540 - val_auc_106: 0.4984
 Epoch 287/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0791 - auc_106:
 0.5027 - val_loss: 1.6223 - val_auc_106: 0.4965
 Epoch 288/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2874 - auc_106:
 0.5049 - val_loss: 1.8506 - val_auc_106: 0.5154
 Epoch 289/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4164 - auc_106:
 0.5071 - val_loss: 2.0452 - val_auc_106: 0.5104
 Epoch 290/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1644 - auc_106:
 0.5088 - val_loss: 3.4279 - val_auc_106: 0.5030
 Epoch 291/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5374 - auc_106:
 0.5083 - val_loss: 2.1578 - val_auc_106: 0.4994
 Epoch 292/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1519 - auc_106:
 0.5063 - val_loss: 2.0250 - val_auc_106: 0.4996
 Epoch 293/700
 267/267 [=====] - 1s 3ms/step - loss: 3.0123 - auc_106:
 0.5067 - val_loss: 2.4301 - val_auc_106: 0.4964
 Epoch 294/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2407 - auc_106:
 0.5076 - val_loss: 1.2076 - val_auc_106: 0.5008
 Epoch 295/700

267/267 [=====] - 1s 3ms/step - loss: 2.3818 - auc_106:
 0.5108 - val_loss: 1.7446 - val_auc_106: 0.5160
 Epoch 296/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3868 - auc_106:
 0.5097 - val_loss: 2.4824 - val_auc_106: 0.5138
 Epoch 297/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8009 - auc_106:
 0.5134 - val_loss: 2.4894 - val_auc_106: 0.4974
 Epoch 298/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4006 - auc_106:
 0.5060 - val_loss: 1.9417 - val_auc_106: 0.5073
 Epoch 299/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2311 - auc_106:
 0.5085 - val_loss: 2.0074 - val_auc_106: 0.5032
 Epoch 300/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4709 - auc_106:
 0.5070 - val_loss: 2.1986 - val_auc_106: 0.5130
 Epoch 301/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1483 - auc_106:
 0.5084 - val_loss: 1.3648 - val_auc_106: 0.5050
 Epoch 302/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5095 - auc_106:
 0.5090 - val_loss: 1.4737 - val_auc_106: 0.5173
 Epoch 303/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3395 - auc_106:
 0.5076 - val_loss: 2.7067 - val_auc_106: 0.5093
 Epoch 304/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4892 - auc_106:
 0.5061 - val_loss: 1.9712 - val_auc_106: 0.5116
 Epoch 305/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9771 - auc_106:
 0.5068 - val_loss: 3.6569 - val_auc_106: 0.5033
 Epoch 306/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6676 - auc_106:
 0.5085 - val_loss: 1.7693 - val_auc_106: 0.4987
 Epoch 307/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6606 - auc_106:
 0.5064 - val_loss: 1.5720 - val_auc_106: 0.5044
 Epoch 308/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3929 - auc_106:
 0.5084 - val_loss: 2.7916 - val_auc_106: 0.5127
 Epoch 309/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2706 - auc_106:
 0.5057 - val_loss: 2.0990 - val_auc_106: 0.5051
 Epoch 310/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9988 - auc_106:
 0.5101 - val_loss: 1.6563 - val_auc_106: 0.5076
 Epoch 311/700

267/267 [=====] - 1s 3ms/step - loss: 2.4185 - auc_106:
0.5093 - val_loss: 1.9929 - val_auc_106: 0.5169
Epoch 312/700
267/267 [=====] - 1s 3ms/step - loss: 2.5468 - auc_106:
0.5075 - val_loss: 2.8189 - val_auc_106: 0.5147
Epoch 313/700
267/267 [=====] - 1s 3ms/step - loss: 2.0782 - auc_106:
0.5070 - val_loss: 1.0127 - val_auc_106: 0.5094
Epoch 314/700
267/267 [=====] - 1s 3ms/step - loss: 2.2552 - auc_106:
0.5088 - val_loss: 3.9083 - val_auc_106: 0.5085
Epoch 315/700
267/267 [=====] - 1s 3ms/step - loss: 2.3865 - auc_106:
0.5064 - val_loss: 1.6179 - val_auc_106: 0.5089
Epoch 316/700
267/267 [=====] - 1s 3ms/step - loss: 2.4986 - auc_106:
0.5081 - val_loss: 1.5713 - val_auc_106: 0.4988
Epoch 317/700
267/267 [=====] - 1s 3ms/step - loss: 2.4262 - auc_106:
0.5091 - val_loss: 2.4719 - val_auc_106: 0.4992
Epoch 318/700
267/267 [=====] - 1s 3ms/step - loss: 2.6311 - auc_106:
0.5048 - val_loss: 2.0714 - val_auc_106: 0.5000
Epoch 319/700
267/267 [=====] - 1s 3ms/step - loss: 2.3966 - auc_106:
0.5105 - val_loss: 1.6871 - val_auc_106: 0.5063
Epoch 320/700
267/267 [=====] - 1s 3ms/step - loss: 2.3646 - auc_106:
0.5068 - val_loss: 1.2080 - val_auc_106: 0.5102
Epoch 321/700
267/267 [=====] - 1s 3ms/step - loss: 2.4322 - auc_106:
0.5078 - val_loss: 1.3396 - val_auc_106: 0.4986
Epoch 322/700
267/267 [=====] - 1s 3ms/step - loss: 2.1997 - auc_106:
0.5075 - val_loss: 1.5916 - val_auc_106: 0.5024
Epoch 323/700
267/267 [=====] - 1s 3ms/step - loss: 2.0176 - auc_106:
0.5078 - val_loss: 2.1884 - val_auc_106: 0.5009
Epoch 324/700
267/267 [=====] - 1s 3ms/step - loss: 2.4580 - auc_106:
0.5067 - val_loss: 2.2390 - val_auc_106: 0.5144
Epoch 325/700
267/267 [=====] - 1s 3ms/step - loss: 2.4266 - auc_106:
0.5084 - val_loss: 1.5025 - val_auc_106: 0.5160
Epoch 326/700
267/267 [=====] - 1s 3ms/step - loss: 2.2372 - auc_106:
0.5100 - val_loss: 2.0578 - val_auc_106: 0.5133
Epoch 327/700

267/267 [=====] - 1s 3ms/step - loss: 2.2177 - auc_106:
 0.5065 - val_loss: 2.1517 - val_auc_106: 0.5113
 Epoch 328/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3202 - auc_106:
 0.5084 - val_loss: 2.2357 - val_auc_106: 0.5121
 Epoch 329/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3646 - auc_106:
 0.5077 - val_loss: 1.6951 - val_auc_106: 0.5057
 Epoch 330/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2081 - auc_106:
 0.5035 - val_loss: 3.0605 - val_auc_106: 0.5018
 Epoch 331/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0237 - auc_106:
 0.5102 - val_loss: 1.3980 - val_auc_106: 0.5102
 Epoch 332/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4213 - auc_106:
 0.5078 - val_loss: 2.7677 - val_auc_106: 0.5067
 Epoch 333/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7529 - auc_106:
 0.5089 - val_loss: 4.5045 - val_auc_106: 0.5062
 Epoch 334/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2503 - auc_106:
 0.5108 - val_loss: 3.7109 - val_auc_106: 0.4966
 Epoch 335/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5225 - auc_106:
 0.5024 - val_loss: 2.2491 - val_auc_106: 0.4972
 Epoch 336/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5442 - auc_106:
 0.5052 - val_loss: 1.3774 - val_auc_106: 0.5153
 Epoch 337/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5849 - auc_106:
 0.5062 - val_loss: 1.5526 - val_auc_106: 0.5027
 Epoch 338/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2628 - auc_106:
 0.5085 - val_loss: 1.8461 - val_auc_106: 0.5021
 Epoch 339/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0549 - auc_106:
 0.5097 - val_loss: 2.5934 - val_auc_106: 0.5043
 Epoch 340/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3524 - auc_106:
 0.5102 - val_loss: 4.3213 - val_auc_106: 0.5075
 Epoch 341/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5826 - auc_106:
 0.5091 - val_loss: 3.0493 - val_auc_106: 0.4958
 Epoch 342/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5037 - auc_106:
 0.5064 - val_loss: 2.9654 - val_auc_106: 0.5009
 Epoch 343/700

267/267 [=====] - 1s 3ms/step - loss: 2.4011 - auc_106:
 0.5055 - val_loss: 1.9423 - val_auc_106: 0.5080
 Epoch 344/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3130 - auc_106:
 0.5091 - val_loss: 2.9628 - val_auc_106: 0.5097
 Epoch 345/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0990 - auc_106:
 0.5082 - val_loss: 3.1566 - val_auc_106: 0.5089
 Epoch 346/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2390 - auc_106:
 0.5021 - val_loss: 1.0353 - val_auc_106: 0.5046
 Epoch 347/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0548 - auc_106:
 0.5104 - val_loss: 3.6598 - val_auc_106: 0.5024
 Epoch 348/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5749 - auc_106:
 0.5055 - val_loss: 3.0026 - val_auc_106: 0.5016
 Epoch 349/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2820 - auc_106:
 0.5104 - val_loss: 1.9097 - val_auc_106: 0.5082
 Epoch 350/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2263 - auc_106:
 0.5067 - val_loss: 2.9240 - val_auc_106: 0.5143
 Epoch 351/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6981 - auc_106:
 0.5074 - val_loss: 2.0688 - val_auc_106: 0.5067
 Epoch 352/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1557 - auc_106:
 0.5086 - val_loss: 1.5484 - val_auc_106: 0.5080
 Epoch 353/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5229 - auc_106:
 0.5107 - val_loss: 5.9306 - val_auc_106: 0.5015
 Epoch 354/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7172 - auc_106:
 0.5077 - val_loss: 3.3635 - val_auc_106: 0.5070
 Epoch 355/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0848 - auc_106:
 0.5082 - val_loss: 2.4502 - val_auc_106: 0.5056
 Epoch 356/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4137 - auc_106:
 0.5048 - val_loss: 3.0036 - val_auc_106: 0.5072
 Epoch 357/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4124 - auc_106:
 0.5050 - val_loss: 2.1969 - val_auc_106: 0.5176
 Epoch 358/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3538 - auc_106:
 0.5083 - val_loss: 1.1951 - val_auc_106: 0.5142
 Epoch 359/700

267/267 [=====] - 1s 3ms/step - loss: 2.0674 - auc_106:
 0.5072 - val_loss: 2.4209 - val_auc_106: 0.5126
 Epoch 360/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2296 - auc_106:
 0.5091 - val_loss: 1.5361 - val_auc_106: 0.5121
 Epoch 361/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4123 - auc_106:
 0.5060 - val_loss: 1.8072 - val_auc_106: 0.5153
 Epoch 362/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0996 - auc_106:
 0.5065 - val_loss: 2.5584 - val_auc_106: 0.5127
 Epoch 363/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3702 - auc_106:
 0.5077 - val_loss: 1.9815 - val_auc_106: 0.5124
 Epoch 364/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1777 - auc_106:
 0.5072 - val_loss: 3.0387 - val_auc_106: 0.5027
 Epoch 365/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3318 - auc_106:
 0.5067 - val_loss: 2.0838 - val_auc_106: 0.5036
 Epoch 366/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8691 - auc_106:
 0.5066 - val_loss: 2.0855 - val_auc_106: 0.5015
 Epoch 367/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3326 - auc_106:
 0.5089 - val_loss: 1.8022 - val_auc_106: 0.5023
 Epoch 368/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6394 - auc_106:
 0.5092 - val_loss: 2.5523 - val_auc_106: 0.5068
 Epoch 369/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2348 - auc_106:
 0.5122 - val_loss: 2.6702 - val_auc_106: 0.4946
 Epoch 370/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5451 - auc_106:
 0.5090 - val_loss: 3.7867 - val_auc_106: 0.5016
 Epoch 371/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1875 - auc_106:
 0.5103 - val_loss: 2.2197 - val_auc_106: 0.5077
 Epoch 372/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1340 - auc_106:
 0.5080 - val_loss: 1.5848 - val_auc_106: 0.5193
 Epoch 373/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2863 - auc_106:
 0.5022 - val_loss: 1.7322 - val_auc_106: 0.4963
 Epoch 374/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7134 - auc_106:
 0.5086 - val_loss: 2.2777 - val_auc_106: 0.5003
 Epoch 375/700

267/267 [=====] - 1s 3ms/step - loss: 2.4192 - auc_106:
 0.5077 - val_loss: 2.2974 - val_auc_106: 0.5069
 Epoch 376/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2478 - auc_106:
 0.5059 - val_loss: 2.6417 - val_auc_106: 0.5059
 Epoch 377/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1545 - auc_106:
 0.5075 - val_loss: 2.4517 - val_auc_106: 0.4962
 Epoch 378/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3699 - auc_106:
 0.5055 - val_loss: 2.8485 - val_auc_106: 0.5027
 Epoch 379/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5278 - auc_106:
 0.5065 - val_loss: 2.2920 - val_auc_106: 0.5048
 Epoch 380/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3962 - auc_106:
 0.5048 - val_loss: 2.8210 - val_auc_106: 0.5056
 Epoch 381/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3944 - auc_106:
 0.5099 - val_loss: 1.8705 - val_auc_106: 0.5047
 Epoch 382/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2185 - auc_106:
 0.5071 - val_loss: 2.0245 - val_auc_106: 0.5063
 Epoch 383/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5114 - auc_106:
 0.5078 - val_loss: 2.9764 - val_auc_106: 0.5051
 Epoch 384/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3043 - auc_106:
 0.5091 - val_loss: 2.9908 - val_auc_106: 0.5073
 Epoch 385/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0692 - auc_106:
 0.5081 - val_loss: 1.1044 - val_auc_106: 0.5056
 Epoch 386/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2641 - auc_106:
 0.5114 - val_loss: 2.7442 - val_auc_106: 0.4985
 Epoch 387/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3718 - auc_106:
 0.5071 - val_loss: 1.2637 - val_auc_106: 0.4987
 Epoch 388/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9923 - auc_106:
 0.5097 - val_loss: 1.3824 - val_auc_106: 0.5089
 Epoch 389/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2237 - auc_106:
 0.5134 - val_loss: 2.8357 - val_auc_106: 0.5045
 Epoch 390/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5533 - auc_106:
 0.5066 - val_loss: 2.5578 - val_auc_106: 0.5039
 Epoch 391/700

267/267 [=====] - 1s 3ms/step - loss: 2.3612 - auc_106:
 0.5092 - val_loss: 2.8398 - val_auc_106: 0.5181
 Epoch 392/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5260 - auc_106:
 0.5056 - val_loss: 2.8950 - val_auc_106: 0.5087
 Epoch 393/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1144 - auc_106:
 0.5093 - val_loss: 2.8490 - val_auc_106: 0.5099
 Epoch 394/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4372 - auc_106:
 0.5069 - val_loss: 1.6896 - val_auc_106: 0.5017
 Epoch 395/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2687 - auc_106:
 0.5102 - val_loss: 1.8039 - val_auc_106: 0.5025
 Epoch 396/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0353 - auc_106:
 0.5075 - val_loss: 1.6233 - val_auc_106: 0.5137
 Epoch 397/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2340 - auc_106:
 0.5072 - val_loss: 2.7338 - val_auc_106: 0.4996
 Epoch 398/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3065 - auc_106:
 0.5048 - val_loss: 2.7468 - val_auc_106: 0.4988
 Epoch 399/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2944 - auc_106:
 0.5094 - val_loss: 2.2417 - val_auc_106: 0.5140
 Epoch 400/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2142 - auc_106:
 0.5113 - val_loss: 2.5318 - val_auc_106: 0.4973
 Epoch 401/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5181 - auc_106:
 0.5069 - val_loss: 2.0883 - val_auc_106: 0.5090
 Epoch 402/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3887 - auc_106:
 0.5088 - val_loss: 4.0522 - val_auc_106: 0.5046
 Epoch 403/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5201 - auc_106:
 0.5084 - val_loss: 2.1967 - val_auc_106: 0.4980
 Epoch 404/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2598 - auc_106:
 0.5092 - val_loss: 2.1272 - val_auc_106: 0.5069
 Epoch 405/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1861 - auc_106:
 0.5083 - val_loss: 2.0608 - val_auc_106: 0.5193
 Epoch 406/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5606 - auc_106:
 0.5083 - val_loss: 1.8112 - val_auc_106: 0.5079
 Epoch 407/700

267/267 [=====] - 1s 3ms/step - loss: 2.8514 - auc_106:
 0.5075 - val_loss: 2.7930 - val_auc_106: 0.5079
 Epoch 408/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0258 - auc_106:
 0.5075 - val_loss: 2.4172 - val_auc_106: 0.5084
 Epoch 409/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2141 - auc_106:
 0.5080 - val_loss: 2.8192 - val_auc_106: 0.5218
 Epoch 410/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2726 - auc_106:
 0.5095 - val_loss: 2.7594 - val_auc_106: 0.5084
 Epoch 411/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3274 - auc_106:
 0.5059 - val_loss: 2.5876 - val_auc_106: 0.4970
 Epoch 412/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6534 - auc_106:
 0.5060 - val_loss: 2.7653 - val_auc_106: 0.5074
 Epoch 413/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0984 - auc_106:
 0.5100 - val_loss: 1.6182 - val_auc_106: 0.4983
 Epoch 414/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3631 - auc_106:
 0.5089 - val_loss: 3.5467 - val_auc_106: 0.5156
 Epoch 415/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4631 - auc_106:
 0.5034 - val_loss: 1.8597 - val_auc_106: 0.4962
 Epoch 416/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2390 - auc_106:
 0.5086 - val_loss: 1.1776 - val_auc_106: 0.5069
 Epoch 417/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3602 - auc_106:
 0.5109 - val_loss: 1.2945 - val_auc_106: 0.5078
 Epoch 418/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2702 - auc_106:
 0.5071 - val_loss: 3.7626 - val_auc_106: 0.5017
 Epoch 419/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4612 - auc_106:
 0.5052 - val_loss: 1.3849 - val_auc_106: 0.5057
 Epoch 420/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2736 - auc_106:
 0.5059 - val_loss: 3.1998 - val_auc_106: 0.5155
 Epoch 421/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0814 - auc_106:
 0.5048 - val_loss: 1.3385 - val_auc_106: 0.5141
 Epoch 422/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3999 - auc_106:
 0.5104 - val_loss: 1.3681 - val_auc_106: 0.4966
 Epoch 423/700

267/267 [=====] - 1s 3ms/step - loss: 2.2304 - auc_106:
0.5056 - val_loss: 2.3185 - val_auc_106: 0.5034
Epoch 424/700
267/267 [=====] - 1s 3ms/step - loss: 2.2964 - auc_106:
0.5092 - val_loss: 1.5831 - val_auc_106: 0.5162
Epoch 425/700
267/267 [=====] - 1s 3ms/step - loss: 2.2489 - auc_106:
0.5069 - val_loss: 1.9666 - val_auc_106: 0.5124
Epoch 426/700
267/267 [=====] - 1s 3ms/step - loss: 2.1214 - auc_106:
0.5058 - val_loss: 2.8090 - val_auc_106: 0.5098
Epoch 427/700
267/267 [=====] - 1s 3ms/step - loss: 2.2414 - auc_106:
0.5085 - val_loss: 2.7286 - val_auc_106: 0.5161
Epoch 428/700
267/267 [=====] - 1s 3ms/step - loss: 2.3841 - auc_106:
0.5066 - val_loss: 2.6315 - val_auc_106: 0.5047
Epoch 429/700
267/267 [=====] - 1s 3ms/step - loss: 2.3718 - auc_106:
0.5080 - val_loss: 1.8259 - val_auc_106: 0.5076
Epoch 430/700
267/267 [=====] - 1s 3ms/step - loss: 2.4462 - auc_106:
0.5079 - val_loss: 2.5595 - val_auc_106: 0.4980
Epoch 431/700
267/267 [=====] - 1s 3ms/step - loss: 2.6086 - auc_106:
0.5113 - val_loss: 1.2498 - val_auc_106: 0.5107
Epoch 432/700
267/267 [=====] - 1s 3ms/step - loss: 2.6321 - auc_106:
0.5065 - val_loss: 1.3655 - val_auc_106: 0.5145
Epoch 433/700
267/267 [=====] - 1s 3ms/step - loss: 1.9030 - auc_106:
0.5093 - val_loss: 3.6978 - val_auc_106: 0.5120
Epoch 434/700
267/267 [=====] - 1s 3ms/step - loss: 2.4483 - auc_106:
0.5072 - val_loss: 2.3197 - val_auc_106: 0.5102
Epoch 435/700
267/267 [=====] - 1s 3ms/step - loss: 2.1547 - auc_106:
0.5109 - val_loss: 2.2055 - val_auc_106: 0.5134
Epoch 436/700
267/267 [=====] - 1s 3ms/step - loss: 2.6600 - auc_106:
0.5071 - val_loss: 1.5669 - val_auc_106: 0.5071
Epoch 437/700
267/267 [=====] - 1s 3ms/step - loss: 2.2443 - auc_106:
0.5083 - val_loss: 1.6828 - val_auc_106: 0.4929
Epoch 438/700
267/267 [=====] - 1s 3ms/step - loss: 2.2094 - auc_106:
0.5090 - val_loss: 1.3623 - val_auc_106: 0.5115
Epoch 439/700

267/267 [=====] - 1s 3ms/step - loss: 2.2305 - auc_106:
 0.5108 - val_loss: 1.7929 - val_auc_106: 0.5083
 Epoch 440/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9006 - auc_106:
 0.5062 - val_loss: 1.8049 - val_auc_106: 0.5022
 Epoch 441/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1999 - auc_106:
 0.5095 - val_loss: 1.3493 - val_auc_106: 0.5077
 Epoch 442/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3011 - auc_106:
 0.5081 - val_loss: 2.5147 - val_auc_106: 0.5099
 Epoch 443/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4260 - auc_106:
 0.5067 - val_loss: 1.7589 - val_auc_106: 0.4953
 Epoch 444/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2835 - auc_106:
 0.5093 - val_loss: 2.6122 - val_auc_106: 0.5136
 Epoch 445/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2014 - auc_106:
 0.5072 - val_loss: 1.4996 - val_auc_106: 0.4987
 Epoch 446/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1145 - auc_106:
 0.5057 - val_loss: 1.6040 - val_auc_106: 0.5062
 Epoch 447/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2722 - auc_106:
 0.5099 - val_loss: 2.1416 - val_auc_106: 0.5102
 Epoch 448/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3491 - auc_106:
 0.5093 - val_loss: 1.2410 - val_auc_106: 0.5106
 Epoch 449/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6284 - auc_106:
 0.5070 - val_loss: 1.5130 - val_auc_106: 0.4964
 Epoch 450/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1938 - auc_106:
 0.5047 - val_loss: 2.0168 - val_auc_106: 0.5094
 Epoch 451/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6676 - auc_106:
 0.5102 - val_loss: 1.9406 - val_auc_106: 0.4983
 Epoch 452/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1447 - auc_106:
 0.5090 - val_loss: 2.4549 - val_auc_106: 0.5015
 Epoch 453/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5687 - auc_106:
 0.5040 - val_loss: 1.9161 - val_auc_106: 0.5146
 Epoch 454/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4773 - auc_106:
 0.5066 - val_loss: 2.5240 - val_auc_106: 0.5059
 Epoch 455/700

267/267 [=====] - 1s 3ms/step - loss: 2.3331 - auc_106:
 0.5061 - val_loss: 2.1893 - val_auc_106: 0.5016
 Epoch 456/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4396 - auc_106:
 0.5115 - val_loss: 1.5100 - val_auc_106: 0.5121
 Epoch 457/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9709 - auc_106:
 0.5078 - val_loss: 1.4002 - val_auc_106: 0.4907
 Epoch 458/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6310 - auc_106:
 0.5131 - val_loss: 3.7957 - val_auc_106: 0.5019
 Epoch 459/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6650 - auc_106:
 0.5069 - val_loss: 1.8435 - val_auc_106: 0.5080
 Epoch 460/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1577 - auc_106:
 0.5084 - val_loss: 2.1436 - val_auc_106: 0.5146
 Epoch 461/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4123 - auc_106:
 0.5070 - val_loss: 2.1177 - val_auc_106: 0.5189
 Epoch 462/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2075 - auc_106:
 0.5048 - val_loss: 1.9029 - val_auc_106: 0.5056
 Epoch 463/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3342 - auc_106:
 0.5095 - val_loss: 3.2402 - val_auc_106: 0.4972
 Epoch 464/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4941 - auc_106:
 0.5090 - val_loss: 2.4963 - val_auc_106: 0.5011
 Epoch 465/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2079 - auc_106:
 0.5089 - val_loss: 3.7386 - val_auc_106: 0.5138
 Epoch 466/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3927 - auc_106:
 0.5067 - val_loss: 2.2455 - val_auc_106: 0.5152
 Epoch 467/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3310 - auc_106:
 0.5063 - val_loss: 1.4789 - val_auc_106: 0.5133
 Epoch 468/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2166 - auc_106:
 0.5077 - val_loss: 2.1094 - val_auc_106: 0.4940
 Epoch 469/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3042 - auc_106:
 0.5099 - val_loss: 3.2332 - val_auc_106: 0.5155
 Epoch 470/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5015 - auc_106:
 0.5072 - val_loss: 2.9928 - val_auc_106: 0.5086
 Epoch 471/700

267/267 [=====] - 1s 3ms/step - loss: 2.3061 - auc_106:
0.5063 - val_loss: 3.1146 - val_auc_106: 0.5120
Epoch 472/700
267/267 [=====] - 1s 3ms/step - loss: 2.1377 - auc_106:
0.5102 - val_loss: 2.6836 - val_auc_106: 0.5046
Epoch 473/700
267/267 [=====] - 1s 3ms/step - loss: 2.3582 - auc_106:
0.5106 - val_loss: 1.7395 - val_auc_106: 0.4921
Epoch 474/700
267/267 [=====] - 1s 3ms/step - loss: 2.2438 - auc_106:
0.5089 - val_loss: 2.9142 - val_auc_106: 0.5052
Epoch 475/700
267/267 [=====] - 1s 3ms/step - loss: 2.2911 - auc_106:
0.5112 - val_loss: 1.4508 - val_auc_106: 0.5098
Epoch 476/700
267/267 [=====] - 1s 3ms/step - loss: 2.4592 - auc_106:
0.5119 - val_loss: 1.5601 - val_auc_106: 0.5190
Epoch 477/700
267/267 [=====] - 1s 3ms/step - loss: 2.4182 - auc_106:
0.5047 - val_loss: 2.4775 - val_auc_106: 0.5056
Epoch 478/700
267/267 [=====] - 1s 3ms/step - loss: 2.5571 - auc_106:
0.5079 - val_loss: 1.2400 - val_auc_106: 0.5106
Epoch 479/700
267/267 [=====] - 1s 3ms/step - loss: 2.5169 - auc_106:
0.5066 - val_loss: 1.2871 - val_auc_106: 0.5170
Epoch 480/700
267/267 [=====] - 1s 3ms/step - loss: 2.1779 - auc_106:
0.5054 - val_loss: 2.4002 - val_auc_106: 0.4952
Epoch 481/700
267/267 [=====] - 1s 3ms/step - loss: 2.4123 - auc_106:
0.5113 - val_loss: 5.9369 - val_auc_106: 0.5101
Epoch 482/700
267/267 [=====] - 1s 3ms/step - loss: 2.2992 - auc_106:
0.5112 - val_loss: 4.8793 - val_auc_106: 0.5067
Epoch 483/700
267/267 [=====] - 1s 3ms/step - loss: 2.2317 - auc_106:
0.5087 - val_loss: 2.2399 - val_auc_106: 0.5097
Epoch 484/700
267/267 [=====] - 1s 3ms/step - loss: 2.2715 - auc_106:
0.5110 - val_loss: 2.8962 - val_auc_106: 0.5135
Epoch 485/700
267/267 [=====] - 1s 3ms/step - loss: 2.4382 - auc_106:
0.5068 - val_loss: 1.9741 - val_auc_106: 0.5007
Epoch 486/700
267/267 [=====] - 1s 3ms/step - loss: 2.2305 - auc_106:
0.5080 - val_loss: 1.3847 - val_auc_106: 0.5095
Epoch 487/700

267/267 [=====] - 1s 3ms/step - loss: 2.2839 - auc_106:
 0.5093 - val_loss: 2.8115 - val_auc_106: 0.5038
 Epoch 488/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6955 - auc_106:
 0.5115 - val_loss: 1.2787 - val_auc_106: 0.5003
 Epoch 489/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3259 - auc_106:
 0.5037 - val_loss: 3.8699 - val_auc_106: 0.5088
 Epoch 490/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2937 - auc_106:
 0.5103 - val_loss: 1.4297 - val_auc_106: 0.5210
 Epoch 491/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5156 - auc_106:
 0.5074 - val_loss: 2.1253 - val_auc_106: 0.5044
 Epoch 492/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3315 - auc_106:
 0.5060 - val_loss: 2.0059 - val_auc_106: 0.4984
 Epoch 493/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1716 - auc_106:
 0.5115 - val_loss: 1.5117 - val_auc_106: 0.5120
 Epoch 494/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7120 - auc_106:
 0.5069 - val_loss: 1.7670 - val_auc_106: 0.5084
 Epoch 495/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6787 - auc_106:
 0.5048 - val_loss: 3.1995 - val_auc_106: 0.4980
 Epoch 496/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2832 - auc_106:
 0.5070 - val_loss: 2.4133 - val_auc_106: 0.5085
 Epoch 497/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2509 - auc_106:
 0.5047 - val_loss: 1.4594 - val_auc_106: 0.5052
 Epoch 498/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1340 - auc_106:
 0.5082 - val_loss: 1.9258 - val_auc_106: 0.5085
 Epoch 499/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3901 - auc_106:
 0.5085 - val_loss: 1.9546 - val_auc_106: 0.4998
 Epoch 500/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1224 - auc_106:
 0.5078 - val_loss: 2.5646 - val_auc_106: 0.5144
 Epoch 501/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3547 - auc_106:
 0.5070 - val_loss: 2.0448 - val_auc_106: 0.5067
 Epoch 502/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4019 - auc_106:
 0.5100 - val_loss: 1.5378 - val_auc_106: 0.4893
 Epoch 503/700

267/267 [=====] - 1s 3ms/step - loss: 2.5425 - auc_106:
 0.5085 - val_loss: 2.4835 - val_auc_106: 0.4970
 Epoch 504/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2226 - auc_106:
 0.5093 - val_loss: 3.1684 - val_auc_106: 0.5005
 Epoch 505/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4461 - auc_106:
 0.5085 - val_loss: 4.3054 - val_auc_106: 0.5170
 Epoch 506/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5675 - auc_106:
 0.5073 - val_loss: 2.2815 - val_auc_106: 0.5055
 Epoch 507/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1298 - auc_106:
 0.5056 - val_loss: 5.0993 - val_auc_106: 0.5060
 Epoch 508/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6034 - auc_106:
 0.5070 - val_loss: 5.1592 - val_auc_106: 0.5051
 Epoch 509/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5495 - auc_106:
 0.5086 - val_loss: 3.2641 - val_auc_106: 0.5132
 Epoch 510/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2204 - auc_106:
 0.5088 - val_loss: 2.0638 - val_auc_106: 0.5092
 Epoch 511/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3062 - auc_106:
 0.5125 - val_loss: 3.8041 - val_auc_106: 0.5150
 Epoch 512/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6060 - auc_106:
 0.5083 - val_loss: 4.0128 - val_auc_106: 0.4936
 Epoch 513/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3037 - auc_106:
 0.5105 - val_loss: 3.4920 - val_auc_106: 0.5160
 Epoch 514/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4751 - auc_106:
 0.5063 - val_loss: 4.0721 - val_auc_106: 0.5108
 Epoch 515/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3809 - auc_106:
 0.5104 - val_loss: 1.7488 - val_auc_106: 0.5073
 Epoch 516/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2796 - auc_106:
 0.5047 - val_loss: 4.1883 - val_auc_106: 0.5038
 Epoch 517/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6753 - auc_106:
 0.5065 - val_loss: 1.4101 - val_auc_106: 0.5079
 Epoch 518/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2433 - auc_106:
 0.5057 - val_loss: 2.2420 - val_auc_106: 0.5048
 Epoch 519/700

267/267 [=====] - 1s 3ms/step - loss: 2.2379 - auc_106:
 0.5074 - val_loss: 1.1346 - val_auc_106: 0.5084
 Epoch 520/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3358 - auc_106:
 0.5077 - val_loss: 4.1072 - val_auc_106: 0.4942
 Epoch 521/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3261 - auc_106:
 0.5061 - val_loss: 2.1984 - val_auc_106: 0.5030
 Epoch 522/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0339 - auc_106:
 0.5072 - val_loss: 6.4907 - val_auc_106: 0.5146
 Epoch 523/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5638 - auc_106:
 0.5082 - val_loss: 3.3962 - val_auc_106: 0.5029
 Epoch 524/700
 267/267 [=====] - 1s 3ms/step - loss: 3.1382 - auc_106:
 0.5079 - val_loss: 1.6077 - val_auc_106: 0.5131
 Epoch 525/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0219 - auc_106:
 0.5106 - val_loss: 2.2540 - val_auc_106: 0.5041
 Epoch 526/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2996 - auc_106:
 0.5081 - val_loss: 4.7070 - val_auc_106: 0.5117
 Epoch 527/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2647 - auc_106:
 0.5090 - val_loss: 1.6733 - val_auc_106: 0.5040
 Epoch 528/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3149 - auc_106:
 0.5040 - val_loss: 2.9121 - val_auc_106: 0.4946
 Epoch 529/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4549 - auc_106:
 0.5065 - val_loss: 2.4686 - val_auc_106: 0.4956
 Epoch 530/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1035 - auc_106:
 0.5053 - val_loss: 2.2953 - val_auc_106: 0.5101
 Epoch 531/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1279 - auc_106:
 0.5091 - val_loss: 3.6880 - val_auc_106: 0.5043
 Epoch 532/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0851 - auc_106:
 0.5112 - val_loss: 2.7022 - val_auc_106: 0.5118
 Epoch 533/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5437 - auc_106:
 0.5095 - val_loss: 3.7097 - val_auc_106: 0.5062
 Epoch 534/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2729 - auc_106:
 0.5108 - val_loss: 2.3552 - val_auc_106: 0.4958
 Epoch 535/700

267/267 [=====] - 1s 3ms/step - loss: 2.7728 - auc_106:
0.5073 - val_loss: 3.5294 - val_auc_106: 0.5055
Epoch 536/700
267/267 [=====] - 1s 3ms/step - loss: 2.0811 - auc_106:
0.5095 - val_loss: 2.0202 - val_auc_106: 0.5038
Epoch 537/700
267/267 [=====] - 1s 3ms/step - loss: 2.4422 - auc_106:
0.5092 - val_loss: 2.4864 - val_auc_106: 0.4978
Epoch 538/700
267/267 [=====] - 1s 3ms/step - loss: 2.4855 - auc_106:
0.5071 - val_loss: 1.1974 - val_auc_106: 0.5099
Epoch 539/700
267/267 [=====] - 1s 3ms/step - loss: 2.2848 - auc_106:
0.5046 - val_loss: 2.8731 - val_auc_106: 0.4930
Epoch 540/700
267/267 [=====] - 1s 3ms/step - loss: 2.8614 - auc_106:
0.5083 - val_loss: 2.2177 - val_auc_106: 0.5009
Epoch 541/700
267/267 [=====] - 1s 3ms/step - loss: 2.0559 - auc_106:
0.5094 - val_loss: 2.1788 - val_auc_106: 0.5049
Epoch 542/700
267/267 [=====] - 1s 3ms/step - loss: 2.2463 - auc_106:
0.5084 - val_loss: 1.3751 - val_auc_106: 0.5175
Epoch 543/700
267/267 [=====] - 1s 3ms/step - loss: 2.1637 - auc_106:
0.5053 - val_loss: 3.2655 - val_auc_106: 0.5041
Epoch 544/700
267/267 [=====] - 1s 3ms/step - loss: 2.4628 - auc_106:
0.5075 - val_loss: 1.3873 - val_auc_106: 0.5093
Epoch 545/700
267/267 [=====] - 1s 3ms/step - loss: 2.2423 - auc_106:
0.5070 - val_loss: 1.3493 - val_auc_106: 0.5027
Epoch 546/700
267/267 [=====] - 1s 3ms/step - loss: 2.1743 - auc_106:
0.5073 - val_loss: 2.8991 - val_auc_106: 0.5103
Epoch 547/700
267/267 [=====] - 1s 3ms/step - loss: 2.2612 - auc_106:
0.5087 - val_loss: 1.1569 - val_auc_106: 0.5151
Epoch 548/700
267/267 [=====] - 1s 3ms/step - loss: 2.4366 - auc_106:
0.5089 - val_loss: 2.9200 - val_auc_106: 0.5127
Epoch 549/700
267/267 [=====] - 1s 3ms/step - loss: 2.7264 - auc_106:
0.5074 - val_loss: 1.6402 - val_auc_106: 0.5070
Epoch 550/700
267/267 [=====] - 1s 3ms/step - loss: 2.3558 - auc_106:
0.5077 - val_loss: 2.0511 - val_auc_106: 0.5114
Epoch 551/700

267/267 [=====] - 1s 3ms/step - loss: 2.4643 - auc_106:
0.5047 - val_loss: 1.3917 - val_auc_106: 0.5099
Epoch 552/700
267/267 [=====] - 1s 3ms/step - loss: 2.4376 - auc_106:
0.5066 - val_loss: 1.4027 - val_auc_106: 0.4963
Epoch 553/700
267/267 [=====] - 1s 3ms/step - loss: 2.3619 - auc_106:
0.5088 - val_loss: 1.7617 - val_auc_106: 0.5140
Epoch 554/700
267/267 [=====] - 1s 3ms/step - loss: 2.1757 - auc_106:
0.5085 - val_loss: 1.4850 - val_auc_106: 0.5146
Epoch 555/700
267/267 [=====] - 1s 3ms/step - loss: 2.2682 - auc_106:
0.5049 - val_loss: 2.2285 - val_auc_106: 0.5137
Epoch 556/700
267/267 [=====] - 1s 3ms/step - loss: 2.6624 - auc_106:
0.5084 - val_loss: 2.5407 - val_auc_106: 0.5012
Epoch 557/700
267/267 [=====] - 1s 3ms/step - loss: 2.4319 - auc_106:
0.5069 - val_loss: 1.3718 - val_auc_106: 0.5086
Epoch 558/700
267/267 [=====] - 1s 3ms/step - loss: 2.2059 - auc_106:
0.5051 - val_loss: 7.2763 - val_auc_106: 0.4902
Epoch 559/700
267/267 [=====] - 1s 3ms/step - loss: 2.4196 - auc_106:
0.5074 - val_loss: 3.0006 - val_auc_106: 0.4929
Epoch 560/700
267/267 [=====] - 1s 3ms/step - loss: 2.2516 - auc_106:
0.5062 - val_loss: 3.2358 - val_auc_106: 0.5139
Epoch 561/700
267/267 [=====] - 1s 3ms/step - loss: 2.1108 - auc_106:
0.5132 - val_loss: 1.6053 - val_auc_106: 0.5107
Epoch 562/700
267/267 [=====] - 1s 3ms/step - loss: 2.0967 - auc_106:
0.5107 - val_loss: 1.7964 - val_auc_106: 0.5058
Epoch 563/700
267/267 [=====] - 1s 3ms/step - loss: 2.5695 - auc_106:
0.5106 - val_loss: 3.1075 - val_auc_106: 0.5101
Epoch 564/700
267/267 [=====] - 1s 3ms/step - loss: 2.5625 - auc_106:
0.5080 - val_loss: 1.7153 - val_auc_106: 0.5156
Epoch 565/700
267/267 [=====] - 1s 3ms/step - loss: 2.3014 - auc_106:
0.5098 - val_loss: 2.0543 - val_auc_106: 0.5096
Epoch 566/700
267/267 [=====] - 1s 3ms/step - loss: 2.2490 - auc_106:
0.5064 - val_loss: 2.6134 - val_auc_106: 0.5100
Epoch 567/700

267/267 [=====] - 1s 3ms/step - loss: 2.2764 - auc_106:
 0.5074 - val_loss: 1.9204 - val_auc_106: 0.5149
 Epoch 568/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5539 - auc_106:
 0.5032 - val_loss: 1.4109 - val_auc_106: 0.4972
 Epoch 569/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4267 - auc_106:
 0.5092 - val_loss: 1.7491 - val_auc_106: 0.5080
 Epoch 570/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4645 - auc_106:
 0.5114 - val_loss: 2.3802 - val_auc_106: 0.4923
 Epoch 571/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9990 - auc_106:
 0.5066 - val_loss: 1.2192 - val_auc_106: 0.4870
 Epoch 572/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3564 - auc_106:
 0.5076 - val_loss: 2.0426 - val_auc_106: 0.5007
 Epoch 573/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5934 - auc_106:
 0.5088 - val_loss: 1.5270 - val_auc_106: 0.5223
 Epoch 574/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6386 - auc_106:
 0.5065 - val_loss: 2.1790 - val_auc_106: 0.5051
 Epoch 575/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3781 - auc_106:
 0.5077 - val_loss: 4.3637 - val_auc_106: 0.5165
 Epoch 576/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4572 - auc_106:
 0.5131 - val_loss: 2.2403 - val_auc_106: 0.5064
 Epoch 577/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0283 - auc_106:
 0.5078 - val_loss: 1.2185 - val_auc_106: 0.5080
 Epoch 578/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3467 - auc_106:
 0.5060 - val_loss: 2.0843 - val_auc_106: 0.5124
 Epoch 579/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1744 - auc_106:
 0.5087 - val_loss: 4.5414 - val_auc_106: 0.4957
 Epoch 580/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4979 - auc_106:
 0.5083 - val_loss: 2.8470 - val_auc_106: 0.5070
 Epoch 581/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4497 - auc_106:
 0.5096 - val_loss: 2.6978 - val_auc_106: 0.5116
 Epoch 582/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6390 - auc_106:
 0.5052 - val_loss: 1.8644 - val_auc_106: 0.5112
 Epoch 583/700

267/267 [=====] - 1s 3ms/step - loss: 2.4392 - auc_106:
0.5083 - val_loss: 1.7282 - val_auc_106: 0.4968
Epoch 584/700
267/267 [=====] - 1s 3ms/step - loss: 2.1291 - auc_106:
0.5113 - val_loss: 2.9772 - val_auc_106: 0.5011
Epoch 585/700
267/267 [=====] - 1s 3ms/step - loss: 2.4135 - auc_106:
0.5084 - val_loss: 2.2096 - val_auc_106: 0.5159
Epoch 586/700
267/267 [=====] - 1s 3ms/step - loss: 2.4149 - auc_106:
0.5104 - val_loss: 2.4731 - val_auc_106: 0.5039
Epoch 587/700
267/267 [=====] - 1s 3ms/step - loss: 2.4299 - auc_106:
0.5080 - val_loss: 2.6490 - val_auc_106: 0.4996
Epoch 588/700
267/267 [=====] - 1s 3ms/step - loss: 2.4025 - auc_106:
0.5117 - val_loss: 3.2874 - val_auc_106: 0.5072
Epoch 589/700
267/267 [=====] - 1s 3ms/step - loss: 2.2437 - auc_106:
0.5101 - val_loss: 1.9556 - val_auc_106: 0.5017
Epoch 590/700
267/267 [=====] - 1s 3ms/step - loss: 2.6134 - auc_106:
0.5107 - val_loss: 1.2106 - val_auc_106: 0.5142
Epoch 591/700
267/267 [=====] - 1s 3ms/step - loss: 2.1128 - auc_106:
0.5060 - val_loss: 3.3305 - val_auc_106: 0.5017
Epoch 592/700
267/267 [=====] - 1s 3ms/step - loss: 2.2840 - auc_106:
0.5070 - val_loss: 2.8916 - val_auc_106: 0.5085
Epoch 593/700
267/267 [=====] - 1s 3ms/step - loss: 2.2073 - auc_106:
0.5116 - val_loss: 2.7530 - val_auc_106: 0.5141
Epoch 594/700
267/267 [=====] - 1s 3ms/step - loss: 2.2990 - auc_106:
0.5095 - val_loss: 5.0592 - val_auc_106: 0.5053
Epoch 595/700
267/267 [=====] - 1s 3ms/step - loss: 2.3603 - auc_106:
0.5080 - val_loss: 1.6062 - val_auc_106: 0.5024
Epoch 596/700
267/267 [=====] - 1s 3ms/step - loss: 2.6694 - auc_106:
0.5104 - val_loss: 2.2853 - val_auc_106: 0.5104
Epoch 597/700
267/267 [=====] - 1s 3ms/step - loss: 2.2231 - auc_106:
0.5088 - val_loss: 1.3704 - val_auc_106: 0.5178
Epoch 598/700
267/267 [=====] - 1s 3ms/step - loss: 2.5125 - auc_106:
0.5105 - val_loss: 2.2558 - val_auc_106: 0.4977
Epoch 599/700

267/267 [=====] - 1s 3ms/step - loss: 2.2616 - auc_106:
 0.5083 - val_loss: 1.7513 - val_auc_106: 0.5095
 Epoch 600/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2065 - auc_106:
 0.5072 - val_loss: 2.4877 - val_auc_106: 0.5063
 Epoch 601/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6739 - auc_106:
 0.5053 - val_loss: 3.9736 - val_auc_106: 0.5056
 Epoch 602/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7008 - auc_106:
 0.5057 - val_loss: 1.2759 - val_auc_106: 0.5130
 Epoch 603/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0946 - auc_106:
 0.5091 - val_loss: 2.3489 - val_auc_106: 0.5129
 Epoch 604/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5024 - auc_106:
 0.5095 - val_loss: 2.1905 - val_auc_106: 0.5039
 Epoch 605/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1945 - auc_106:
 0.5067 - val_loss: 2.1465 - val_auc_106: 0.5035
 Epoch 606/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7058 - auc_106:
 0.5061 - val_loss: 4.1226 - val_auc_106: 0.4973
 Epoch 607/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8250 - auc_106:
 0.5066 - val_loss: 2.5080 - val_auc_106: 0.5065
 Epoch 608/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0697 - auc_106:
 0.5055 - val_loss: 2.7784 - val_auc_106: 0.5119
 Epoch 609/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1049 - auc_106:
 0.5092 - val_loss: 1.2734 - val_auc_106: 0.4971
 Epoch 610/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2709 - auc_106:
 0.5078 - val_loss: 3.4712 - val_auc_106: 0.5138
 Epoch 611/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0975 - auc_106:
 0.5067 - val_loss: 4.0951 - val_auc_106: 0.5130
 Epoch 612/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3898 - auc_106:
 0.5075 - val_loss: 1.8020 - val_auc_106: 0.5045
 Epoch 613/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2996 - auc_106:
 0.5083 - val_loss: 1.8082 - val_auc_106: 0.5151
 Epoch 614/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4281 - auc_106:
 0.5111 - val_loss: 1.7189 - val_auc_106: 0.5105
 Epoch 615/700

267/267 [=====] - 1s 3ms/step - loss: 2.0761 - auc_106:
0.5040 - val_loss: 2.1536 - val_auc_106: 0.5036
Epoch 616/700
267/267 [=====] - 1s 3ms/step - loss: 2.3851 - auc_106:
0.5056 - val_loss: 1.3988 - val_auc_106: 0.5076
Epoch 617/700
267/267 [=====] - 1s 3ms/step - loss: 2.3639 - auc_106:
0.5085 - val_loss: 2.2986 - val_auc_106: 0.5056
Epoch 618/700
267/267 [=====] - 1s 3ms/step - loss: 2.2014 - auc_106:
0.5037 - val_loss: 2.5807 - val_auc_106: 0.5071
Epoch 619/700
267/267 [=====] - 1s 3ms/step - loss: 2.4248 - auc_106:
0.5071 - val_loss: 2.9752 - val_auc_106: 0.4975
Epoch 620/700
267/267 [=====] - 1s 3ms/step - loss: 2.3200 - auc_106:
0.5100 - val_loss: 1.1684 - val_auc_106: 0.5159
Epoch 621/700
267/267 [=====] - 1s 3ms/step - loss: 2.2117 - auc_106:
0.5078 - val_loss: 1.6603 - val_auc_106: 0.5110
Epoch 622/700
267/267 [=====] - 1s 3ms/step - loss: 2.2031 - auc_106:
0.5074 - val_loss: 2.3171 - val_auc_106: 0.5173
Epoch 623/700
267/267 [=====] - 1s 3ms/step - loss: 2.3044 - auc_106:
0.5068 - val_loss: 3.2789 - val_auc_106: 0.4933
Epoch 624/700
267/267 [=====] - 1s 3ms/step - loss: 2.1890 - auc_106:
0.5059 - val_loss: 2.2207 - val_auc_106: 0.4957
Epoch 625/700
267/267 [=====] - 1s 3ms/step - loss: 2.2215 - auc_106:
0.5016 - val_loss: 1.4943 - val_auc_106: 0.5076
Epoch 626/700
267/267 [=====] - 1s 3ms/step - loss: 2.1356 - auc_106:
0.5117 - val_loss: 1.3940 - val_auc_106: 0.5081
Epoch 627/700
267/267 [=====] - 1s 3ms/step - loss: 2.2835 - auc_106:
0.5100 - val_loss: 1.8191 - val_auc_106: 0.5091
Epoch 628/700
267/267 [=====] - 1s 3ms/step - loss: 2.2194 - auc_106:
0.5072 - val_loss: 1.9160 - val_auc_106: 0.5042
Epoch 629/700
267/267 [=====] - 1s 3ms/step - loss: 2.4143 - auc_106:
0.5088 - val_loss: 1.9445 - val_auc_106: 0.5083
Epoch 630/700
267/267 [=====] - 1s 3ms/step - loss: 2.7123 - auc_106:
0.5080 - val_loss: 3.3854 - val_auc_106: 0.4930
Epoch 631/700

267/267 [=====] - 1s 3ms/step - loss: 2.5948 - auc_106:
 0.5062 - val_loss: 2.6475 - val_auc_106: 0.5059
 Epoch 632/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1913 - auc_106:
 0.5077 - val_loss: 2.0857 - val_auc_106: 0.5025
 Epoch 633/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6087 - auc_106:
 0.5067 - val_loss: 1.3921 - val_auc_106: 0.5046
 Epoch 634/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6921 - auc_106:
 0.5064 - val_loss: 4.7686 - val_auc_106: 0.5066
 Epoch 635/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4094 - auc_106:
 0.5079 - val_loss: 2.8844 - val_auc_106: 0.5045
 Epoch 636/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5231 - auc_106:
 0.5069 - val_loss: 1.4790 - val_auc_106: 0.5028
 Epoch 637/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3820 - auc_106:
 0.5048 - val_loss: 2.3855 - val_auc_106: 0.5135
 Epoch 638/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3554 - auc_106:
 0.5072 - val_loss: 1.3483 - val_auc_106: 0.5159
 Epoch 639/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7212 - auc_106:
 0.5082 - val_loss: 3.7383 - val_auc_106: 0.5093
 Epoch 640/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1914 - auc_106:
 0.5105 - val_loss: 2.6804 - val_auc_106: 0.5159
 Epoch 641/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7864 - auc_106:
 0.5045 - val_loss: 2.2812 - val_auc_106: 0.5038
 Epoch 642/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5094 - auc_106:
 0.5045 - val_loss: 1.5313 - val_auc_106: 0.4955
 Epoch 643/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7946 - auc_106:
 0.5057 - val_loss: 2.8888 - val_auc_106: 0.5098
 Epoch 644/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1788 - auc_106:
 0.5058 - val_loss: 4.4970 - val_auc_106: 0.5095
 Epoch 645/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2980 - auc_106:
 0.5073 - val_loss: 1.8550 - val_auc_106: 0.5062
 Epoch 646/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4778 - auc_106:
 0.5090 - val_loss: 4.0788 - val_auc_106: 0.5052
 Epoch 647/700

267/267 [=====] - 1s 3ms/step - loss: 2.1343 - auc_106:
 0.5066 - val_loss: 2.5364 - val_auc_106: 0.4988
 Epoch 648/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5034 - auc_106:
 0.5096 - val_loss: 2.6358 - val_auc_106: 0.5056
 Epoch 649/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3161 - auc_106:
 0.5048 - val_loss: 1.5835 - val_auc_106: 0.5009
 Epoch 650/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7255 - auc_106:
 0.5073 - val_loss: 2.9739 - val_auc_106: 0.5057
 Epoch 651/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4435 - auc_106:
 0.5092 - val_loss: 3.9215 - val_auc_106: 0.5010
 Epoch 652/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1796 - auc_106:
 0.5096 - val_loss: 2.3490 - val_auc_106: 0.5044
 Epoch 653/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0911 - auc_106:
 0.5075 - val_loss: 1.1376 - val_auc_106: 0.5058
 Epoch 654/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6694 - auc_106:
 0.5047 - val_loss: 3.0803 - val_auc_106: 0.5117
 Epoch 655/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1475 - auc_106:
 0.5093 - val_loss: 2.4531 - val_auc_106: 0.4986
 Epoch 656/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2470 - auc_106:
 0.5089 - val_loss: 1.9097 - val_auc_106: 0.5085
 Epoch 657/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3506 - auc_106:
 0.5106 - val_loss: 3.2383 - val_auc_106: 0.4944
 Epoch 658/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8945 - auc_106:
 0.5065 - val_loss: 3.0912 - val_auc_106: 0.5081
 Epoch 659/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2610 - auc_106:
 0.5079 - val_loss: 2.7692 - val_auc_106: 0.4944
 Epoch 660/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7734 - auc_106:
 0.5096 - val_loss: 1.7396 - val_auc_106: 0.5084
 Epoch 661/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2764 - auc_106:
 0.5088 - val_loss: 3.1785 - val_auc_106: 0.5172
 Epoch 662/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8900 - auc_106:
 0.5115 - val_loss: 7.1515 - val_auc_106: 0.5091
 Epoch 663/700

267/267 [=====] - 1s 3ms/step - loss: 2.7339 - auc_106:
 0.5114 - val_loss: 2.0870 - val_auc_106: 0.5065
 Epoch 664/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4040 - auc_106:
 0.5051 - val_loss: 3.0740 - val_auc_106: 0.5004
 Epoch 665/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3856 - auc_106:
 0.5051 - val_loss: 1.3955 - val_auc_106: 0.5063
 Epoch 666/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5164 - auc_106:
 0.5081 - val_loss: 1.5745 - val_auc_106: 0.5090
 Epoch 667/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6268 - auc_106:
 0.5072 - val_loss: 1.5513 - val_auc_106: 0.5073
 Epoch 668/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5714 - auc_106:
 0.5077 - val_loss: 2.7974 - val_auc_106: 0.4959
 Epoch 669/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6897 - auc_106:
 0.5084 - val_loss: 2.0525 - val_auc_106: 0.4954
 Epoch 670/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1858 - auc_106:
 0.5079 - val_loss: 3.4630 - val_auc_106: 0.5088
 Epoch 671/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5404 - auc_106:
 0.5080 - val_loss: 1.3255 - val_auc_106: 0.5046
 Epoch 672/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3927 - auc_106:
 0.5069 - val_loss: 2.5122 - val_auc_106: 0.5082
 Epoch 673/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3908 - auc_106:
 0.5082 - val_loss: 1.9225 - val_auc_106: 0.5172
 Epoch 674/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2552 - auc_106:
 0.5081 - val_loss: 4.5306 - val_auc_106: 0.4960
 Epoch 675/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7405 - auc_106:
 0.5095 - val_loss: 5.0395 - val_auc_106: 0.5036
 Epoch 676/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3257 - auc_106:
 0.5097 - val_loss: 1.7773 - val_auc_106: 0.5050
 Epoch 677/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8613 - auc_106:
 0.5074 - val_loss: 1.9249 - val_auc_106: 0.4977
 Epoch 678/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2521 - auc_106:
 0.5077 - val_loss: 2.1741 - val_auc_106: 0.5041
 Epoch 679/700

267/267 [=====] - 1s 3ms/step - loss: 2.2598 - auc_106:
0.5085 - val_loss: 2.4179 - val_auc_106: 0.5093
Epoch 680/700
267/267 [=====] - 1s 3ms/step - loss: 2.3003 - auc_106:
0.5081 - val_loss: 1.3538 - val_auc_106: 0.5031
Epoch 681/700
267/267 [=====] - 1s 3ms/step - loss: 2.2327 - auc_106:
0.5062 - val_loss: 2.5531 - val_auc_106: 0.5024
Epoch 682/700
267/267 [=====] - 1s 3ms/step - loss: 2.5301 - auc_106:
0.5075 - val_loss: 1.2983 - val_auc_106: 0.4943
Epoch 683/700
267/267 [=====] - 1s 3ms/step - loss: 2.9989 - auc_106:
0.5045 - val_loss: 1.8833 - val_auc_106: 0.5200
Epoch 684/700
267/267 [=====] - 1s 3ms/step - loss: 2.1024 - auc_106:
0.5098 - val_loss: 1.7442 - val_auc_106: 0.5065
Epoch 685/700
267/267 [=====] - 1s 3ms/step - loss: 2.4781 - auc_106:
0.5036 - val_loss: 2.3959 - val_auc_106: 0.5118
Epoch 686/700
267/267 [=====] - 1s 3ms/step - loss: 2.7604 - auc_106:
0.5071 - val_loss: 5.3172 - val_auc_106: 0.5020
Epoch 687/700
267/267 [=====] - 1s 3ms/step - loss: 2.8827 - auc_106:
0.5058 - val_loss: 7.9563 - val_auc_106: 0.5004
Epoch 688/700
267/267 [=====] - 1s 3ms/step - loss: 2.4806 - auc_106:
0.5080 - val_loss: 2.5699 - val_auc_106: 0.5119
Epoch 689/700
267/267 [=====] - 1s 3ms/step - loss: 2.7502 - auc_106:
0.5090 - val_loss: 2.3058 - val_auc_106: 0.5157
Epoch 690/700
267/267 [=====] - 1s 3ms/step - loss: 2.3583 - auc_106:
0.5120 - val_loss: 1.5522 - val_auc_106: 0.5039
Epoch 691/700
267/267 [=====] - 1s 3ms/step - loss: 2.3883 - auc_106:
0.5100 - val_loss: 2.8313 - val_auc_106: 0.5119
Epoch 692/700
267/267 [=====] - 1s 3ms/step - loss: 2.0569 - auc_106:
0.5121 - val_loss: 2.6298 - val_auc_106: 0.4986
Epoch 693/700
267/267 [=====] - 1s 3ms/step - loss: 2.5451 - auc_106:
0.5087 - val_loss: 3.5588 - val_auc_106: 0.5101
Epoch 694/700
267/267 [=====] - 1s 3ms/step - loss: 2.6560 - auc_106:
0.5101 - val_loss: 4.6976 - val_auc_106: 0.5076
Epoch 695/700


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267/267 [=====] - 1s 3ms/step - loss: 2.6259 - auc_106:
0.5107 - val_loss: 2.2603 - val_auc_106: 0.5039
Epoch 696/700
267/267 [=====] - 1s 3ms/step - loss: 2.0303 - auc_106:
0.5079 - val_loss: 1.5602 - val_auc_106: 0.5201
Epoch 697/700
267/267 [=====] - 1s 3ms/step - loss: 2.3567 - auc_106:
0.5117 - val_loss: 2.9329 - val_auc_106: 0.5067
Epoch 698/700
267/267 [=====] - 1s 3ms/step - loss: 2.4052 - auc_106:
0.5035 - val_loss: 3.6600 - val_auc_106: 0.4957
Epoch 699/700
267/267 [=====] - 1s 3ms/step - loss: 2.9463 - auc_106:
0.5033 - val_loss: 2.9164 - val_auc_106: 0.5114
Epoch 700/700
267/267 [=====] - 1s 3ms/step - loss: 2.0740 - auc_106:
0.5078 - val_loss: 1.5374 - val_auc_106: 0.5153
1/625 [...] - ETA: 0sWARNING:tensorflow:Callbacks
method `on_predict_batch_end` is slow compared to the batch time (batch time:
0.0000s vs `on_predict_batch_end` time: 0.0010s). Check your callbacks.
625/625 [=====] - 0s 565us/step
[CV] ... epochs=700, learning_rate=0.01, score=0.514, total= 8.9min
[CV] epochs=700, learning_rate=0.01 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 4.1533 - auc_107:
0.5034 - val_loss: 1.8850 - val_auc_107: 0.5087
Epoch 2/700
267/267 [=====] - 1s 3ms/step - loss: 2.2692 - auc_107:
0.5056 - val_loss: 2.2249 - val_auc_107: 0.5094
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 2.3348 - auc_107:
0.5029 - val_loss: 1.5941 - val_auc_107: 0.5128
Epoch 4/700
267/267 [=====] - 1s 3ms/step - loss: 2.5773 - auc_107:
0.5019 - val_loss: 2.4957 - val_auc_107: 0.5071
Epoch 5/700
267/267 [=====] - 1s 3ms/step - loss: 2.4425 - auc_107:
0.5061 - val_loss: 1.5619 - val_auc_107: 0.5040
Epoch 6/700
267/267 [=====] - 1s 3ms/step - loss: 2.1264 - auc_107:
0.5048 - val_loss: 1.8719 - val_auc_107: 0.5059
Epoch 7/700
267/267 [=====] - 1s 3ms/step - loss: 2.1574 - auc_107:
0.5084 - val_loss: 1.4200 - val_auc_107: 0.5051
Epoch 8/700
267/267 [=====] - 1s 3ms/step - loss: 2.3289 - auc_107:
0.5060 - val_loss: 1.6398 - val_auc_107: 0.4922
Epoch 9/700

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267/267 [=====] - 1s 3ms/step - loss: 2.3633 - auc_107:
0.5045 - val_loss: 1.7063 - val_auc_107: 0.4969
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 2.2846 - auc_107:
0.5105 - val_loss: 1.8934 - val_auc_107: 0.5016
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 2.2034 - auc_107:
0.5059 - val_loss: 3.0920 - val_auc_107: 0.5146
Epoch 12/700
267/267 [=====] - 1s 3ms/step - loss: 2.4156 - auc_107:
0.5075 - val_loss: 1.5174 - val_auc_107: 0.5205
Epoch 13/700
267/267 [=====] - 1s 3ms/step - loss: 2.3913 - auc_107:
0.5036 - val_loss: 1.9961 - val_auc_107: 0.4994
Epoch 14/700
267/267 [=====] - 1s 3ms/step - loss: 2.1680 - auc_107:
0.5057 - val_loss: 3.1219 - val_auc_107: 0.5048
Epoch 15/700
267/267 [=====] - 1s 3ms/step - loss: 3.0660 - auc_107:
0.5019 - val_loss: 4.5626 - val_auc_107: 0.4955
Epoch 16/700
267/267 [=====] - 1s 3ms/step - loss: 2.2474 - auc_107:
0.5070 - val_loss: 1.9114 - val_auc_107: 0.5096
Epoch 17/700
267/267 [=====] - 1s 3ms/step - loss: 2.5170 - auc_107:
0.5060 - val_loss: 2.8097 - val_auc_107: 0.5085
Epoch 18/700
267/267 [=====] - 1s 3ms/step - loss: 2.0360 - auc_107:
0.5080 - val_loss: 1.9136 - val_auc_107: 0.5048
Epoch 19/700
267/267 [=====] - 1s 3ms/step - loss: 2.7319 - auc_107:
0.5026 - val_loss: 1.8831 - val_auc_107: 0.5124
Epoch 20/700
267/267 [=====] - 1s 3ms/step - loss: 2.0637 - auc_107:
0.5067 - val_loss: 3.6205 - val_auc_107: 0.5072
Epoch 21/700
267/267 [=====] - 1s 3ms/step - loss: 2.3876 - auc_107:
0.5080 - val_loss: 2.6443 - val_auc_107: 0.5012
Epoch 22/700
267/267 [=====] - 1s 3ms/step - loss: 2.0826 - auc_107:
0.5047 - val_loss: 1.7443 - val_auc_107: 0.5070
Epoch 23/700
267/267 [=====] - 1s 3ms/step - loss: 2.0363 - auc_107:
0.5062 - val_loss: 3.1964 - val_auc_107: 0.5095
Epoch 24/700
267/267 [=====] - 1s 3ms/step - loss: 1.7989 - auc_107:
0.5052 - val_loss: 1.6560 - val_auc_107: 0.5154
Epoch 25/700

267/267 [=====] - 1s 3ms/step - loss: 2.3888 - auc_107:
 0.5051 - val_loss: 1.7379 - val_auc_107: 0.5044
 Epoch 26/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0559 - auc_107:
 0.5110 - val_loss: 2.1788 - val_auc_107: 0.5000
 Epoch 27/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1569 - auc_107:
 0.5081 - val_loss: 1.8605 - val_auc_107: 0.5067
 Epoch 28/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9118 - auc_107:
 0.5073 - val_loss: 1.7139 - val_auc_107: 0.5094
 Epoch 29/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4608 - auc_107:
 0.5072 - val_loss: 1.7803 - val_auc_107: 0.5118
 Epoch 30/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4594 - auc_107:
 0.5068 - val_loss: 1.9663 - val_auc_107: 0.5105
 Epoch 31/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5196 - auc_107:
 0.5066 - val_loss: 1.4401 - val_auc_107: 0.5168
 Epoch 32/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4131 - auc_107:
 0.5056 - val_loss: 2.2610 - val_auc_107: 0.5060
 Epoch 33/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5561 - auc_107:
 0.5075 - val_loss: 4.7164 - val_auc_107: 0.5094
 Epoch 34/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2797 - auc_107:
 0.5055 - val_loss: 2.6264 - val_auc_107: 0.5024
 Epoch 35/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0896 - auc_107:
 0.5070 - val_loss: 2.5429 - val_auc_107: 0.5110
 Epoch 36/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2883 - auc_107:
 0.5096 - val_loss: 1.9796 - val_auc_107: 0.5139
 Epoch 37/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2662 - auc_107:
 0.5056 - val_loss: 1.6415 - val_auc_107: 0.4952
 Epoch 38/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4787 - auc_107:
 0.5077 - val_loss: 2.0374 - val_auc_107: 0.5013
 Epoch 39/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2383 - auc_107:
 0.5104 - val_loss: 1.7682 - val_auc_107: 0.5146
 Epoch 40/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4205 - auc_107:
 0.5082 - val_loss: 2.2312 - val_auc_107: 0.5130
 Epoch 41/700

267/267 [=====] - 1s 3ms/step - loss: 2.5357 - auc_107:
 0.5092 - val_loss: 2.2550 - val_auc_107: 0.5074
 Epoch 42/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0852 - auc_107:
 0.5110 - val_loss: 2.5682 - val_auc_107: 0.5055
 Epoch 43/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4044 - auc_107:
 0.5059 - val_loss: 2.1932 - val_auc_107: 0.5086
 Epoch 44/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2759 - auc_107:
 0.5095 - val_loss: 5.7954 - val_auc_107: 0.5129
 Epoch 45/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3743 - auc_107:
 0.5094 - val_loss: 4.4539 - val_auc_107: 0.4997
 Epoch 46/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2541 - auc_107:
 0.5067 - val_loss: 2.1415 - val_auc_107: 0.5095
 Epoch 47/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4669 - auc_107:
 0.5100 - val_loss: 1.4532 - val_auc_107: 0.5094
 Epoch 48/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0304 - auc_107:
 0.5093 - val_loss: 1.7889 - val_auc_107: 0.5043
 Epoch 49/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2102 - auc_107:
 0.5047 - val_loss: 3.8796 - val_auc_107: 0.5096
 Epoch 50/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7136 - auc_107:
 0.5077 - val_loss: 1.4605 - val_auc_107: 0.4980
 Epoch 51/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3177 - auc_107:
 0.5104 - val_loss: 1.6288 - val_auc_107: 0.5171
 Epoch 52/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3623 - auc_107:
 0.5082 - val_loss: 1.8790 - val_auc_107: 0.5164
 Epoch 53/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3558 - auc_107:
 0.5062 - val_loss: 1.3758 - val_auc_107: 0.5158
 Epoch 54/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0106 - auc_107:
 0.5060 - val_loss: 3.3690 - val_auc_107: 0.5095
 Epoch 55/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2664 - auc_107:
 0.5098 - val_loss: 2.3700 - val_auc_107: 0.5175
 Epoch 56/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6155 - auc_107:
 0.5074 - val_loss: 1.9308 - val_auc_107: 0.5050
 Epoch 57/700

267/267 [=====] - 1s 3ms/step - loss: 2.2858 - auc_107:
0.5117 - val_loss: 1.8223 - val_auc_107: 0.5018
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 2.4308 - auc_107:
0.5098 - val_loss: 2.3566 - val_auc_107: 0.5119
Epoch 59/700
267/267 [=====] - 1s 3ms/step - loss: 2.6370 - auc_107:
0.5075 - val_loss: 3.0476 - val_auc_107: 0.5103
Epoch 60/700
267/267 [=====] - 1s 3ms/step - loss: 2.2699 - auc_107:
0.5082 - val_loss: 2.4922 - val_auc_107: 0.5103
Epoch 61/700
267/267 [=====] - 1s 3ms/step - loss: 2.1338 - auc_107:
0.5097 - val_loss: 2.4133 - val_auc_107: 0.5153
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 2.5465 - auc_107:
0.5089 - val_loss: 2.1912 - val_auc_107: 0.5039
Epoch 63/700
267/267 [=====] - 1s 3ms/step - loss: 2.3694 - auc_107:
0.5037 - val_loss: 2.3475 - val_auc_107: 0.5148
Epoch 64/700
267/267 [=====] - 1s 3ms/step - loss: 2.1800 - auc_107:
0.5084 - val_loss: 3.3708 - val_auc_107: 0.5170
Epoch 65/700
267/267 [=====] - 1s 3ms/step - loss: 2.4236 - auc_107:
0.5055 - val_loss: 4.1770 - val_auc_107: 0.5073
Epoch 66/700
267/267 [=====] - 1s 3ms/step - loss: 2.3684 - auc_107:
0.5065 - val_loss: 2.7182 - val_auc_107: 0.5075
Epoch 67/700
267/267 [=====] - 1s 3ms/step - loss: 2.6611 - auc_107:
0.5070 - val_loss: 2.6887 - val_auc_107: 0.4984
Epoch 68/700
267/267 [=====] - 1s 3ms/step - loss: 2.2277 - auc_107:
0.5086 - val_loss: 3.3932 - val_auc_107: 0.5065
Epoch 69/700
267/267 [=====] - 1s 3ms/step - loss: 2.2412 - auc_107:
0.5108 - val_loss: 1.8765 - val_auc_107: 0.5052
Epoch 70/700
267/267 [=====] - 1s 3ms/step - loss: 2.7924 - auc_107:
0.5112 - val_loss: 2.3050 - val_auc_107: 0.5033
Epoch 71/700
267/267 [=====] - 1s 3ms/step - loss: 2.2183 - auc_107:
0.5084 - val_loss: 2.4040 - val_auc_107: 0.5146
Epoch 72/700
267/267 [=====] - 1s 3ms/step - loss: 2.3185 - auc_107:
0.5088 - val_loss: 1.8894 - val_auc_107: 0.5131
Epoch 73/700

267/267 [=====] - 1s 3ms/step - loss: 2.0074 - auc_107:
 0.5114 - val_loss: 2.4916 - val_auc_107: 0.5116
 Epoch 74/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0936 - auc_107:
 0.5094 - val_loss: 4.2079 - val_auc_107: 0.5150
 Epoch 75/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2132 - auc_107:
 0.5063 - val_loss: 1.9347 - val_auc_107: 0.5099
 Epoch 76/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9624 - auc_107:
 0.5072 - val_loss: 3.1421 - val_auc_107: 0.5062
 Epoch 77/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7137 - auc_107:
 0.5071 - val_loss: 2.5626 - val_auc_107: 0.4994
 Epoch 78/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3549 - auc_107:
 0.5107 - val_loss: 4.3040 - val_auc_107: 0.5114
 Epoch 79/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9640 - auc_107:
 0.5119 - val_loss: 2.5950 - val_auc_107: 0.5100
 Epoch 80/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2101 - auc_107:
 0.5097 - val_loss: 1.5256 - val_auc_107: 0.4983
 Epoch 81/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4139 - auc_107:
 0.5083 - val_loss: 1.3566 - val_auc_107: 0.5140
 Epoch 82/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2449 - auc_107:
 0.5083 - val_loss: 1.5768 - val_auc_107: 0.5025
 Epoch 83/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2917 - auc_107:
 0.5076 - val_loss: 1.2909 - val_auc_107: 0.5147
 Epoch 84/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3028 - auc_107:
 0.5068 - val_loss: 1.3438 - val_auc_107: 0.5145
 Epoch 85/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6995 - auc_107:
 0.5049 - val_loss: 2.7652 - val_auc_107: 0.5141
 Epoch 86/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3409 - auc_107:
 0.5095 - val_loss: 1.2286 - val_auc_107: 0.4932
 Epoch 87/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3966 - auc_107:
 0.5058 - val_loss: 1.3090 - val_auc_107: 0.5051
 Epoch 88/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1276 - auc_107:
 0.5078 - val_loss: 2.6230 - val_auc_107: 0.5089
 Epoch 89/700

267/267 [=====] - 1s 3ms/step - loss: 2.5827 - auc_107:
0.5086 - val_loss: 2.1748 - val_auc_107: 0.5119
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 2.3421 - auc_107:
0.5045 - val_loss: 2.5942 - val_auc_107: 0.5087
Epoch 91/700
267/267 [=====] - 1s 3ms/step - loss: 2.5775 - auc_107:
0.5082 - val_loss: 1.4177 - val_auc_107: 0.5000
Epoch 92/700
267/267 [=====] - 1s 3ms/step - loss: 2.3450 - auc_107:
0.5045 - val_loss: 3.5211 - val_auc_107: 0.5174
Epoch 93/700
267/267 [=====] - 1s 3ms/step - loss: 2.3443 - auc_107:
0.5093 - val_loss: 1.2428 - val_auc_107: 0.5044
Epoch 94/700
267/267 [=====] - 1s 3ms/step - loss: 2.3161 - auc_107:
0.5100 - val_loss: 1.2234 - val_auc_107: 0.5087
Epoch 95/700
267/267 [=====] - 1s 3ms/step - loss: 2.0579 - auc_107:
0.5089 - val_loss: 1.8011 - val_auc_107: 0.5085
Epoch 96/700
267/267 [=====] - 1s 3ms/step - loss: 2.2204 - auc_107:
0.5104 - val_loss: 2.9232 - val_auc_107: 0.5111
Epoch 97/700
267/267 [=====] - 1s 3ms/step - loss: 1.9103 - auc_107:
0.5112 - val_loss: 1.9669 - val_auc_107: 0.5134
Epoch 98/700
267/267 [=====] - 1s 3ms/step - loss: 2.3860 - auc_107:
0.5082 - val_loss: 1.8149 - val_auc_107: 0.5120
Epoch 99/700
267/267 [=====] - 1s 3ms/step - loss: 1.8846 - auc_107:
0.5089 - val_loss: 1.5898 - val_auc_107: 0.5158
Epoch 100/700
267/267 [=====] - 1s 3ms/step - loss: 2.4472 - auc_107:
0.5048 - val_loss: 1.7240 - val_auc_107: 0.4953
Epoch 101/700
267/267 [=====] - 1s 3ms/step - loss: 2.5740 - auc_107:
0.5082 - val_loss: 2.3613 - val_auc_107: 0.4940
Epoch 102/700
267/267 [=====] - 1s 3ms/step - loss: 2.8192 - auc_107:
0.5080 - val_loss: 2.4782 - val_auc_107: 0.5103
Epoch 103/700
267/267 [=====] - 1s 3ms/step - loss: 2.5048 - auc_107:
0.5065 - val_loss: 1.8264 - val_auc_107: 0.5113
Epoch 104/700
267/267 [=====] - 1s 3ms/step - loss: 1.9193 - auc_107:
0.5076 - val_loss: 2.8652 - val_auc_107: 0.5040
Epoch 105/700

267/267 [=====] - 1s 3ms/step - loss: 2.2540 - auc_107:
0.5086 - val_loss: 1.6754 - val_auc_107: 0.5133
Epoch 106/700
267/267 [=====] - 1s 3ms/step - loss: 2.3345 - auc_107:
0.5090 - val_loss: 1.7446 - val_auc_107: 0.5013
Epoch 107/700
267/267 [=====] - 1s 3ms/step - loss: 2.5198 - auc_107:
0.5077 - val_loss: 2.4763 - val_auc_107: 0.5055
Epoch 108/700
267/267 [=====] - 1s 3ms/step - loss: 2.1496 - auc_107:
0.5106 - val_loss: 1.4846 - val_auc_107: 0.5194
Epoch 109/700
267/267 [=====] - 1s 3ms/step - loss: 2.7896 - auc_107:
0.5072 - val_loss: 1.9654 - val_auc_107: 0.5076
Epoch 110/700
267/267 [=====] - 1s 3ms/step - loss: 2.1199 - auc_107:
0.5079 - val_loss: 0.9396 - val_auc_107: 0.5069
Epoch 111/700
267/267 [=====] - 1s 3ms/step - loss: 2.1773 - auc_107:
0.5082 - val_loss: 2.3828 - val_auc_107: 0.5109
Epoch 112/700
267/267 [=====] - 1s 3ms/step - loss: 2.3657 - auc_107:
0.5099 - val_loss: 2.2265 - val_auc_107: 0.5084
Epoch 113/700
267/267 [=====] - 1s 3ms/step - loss: 2.6947 - auc_107:
0.5072 - val_loss: 2.6592 - val_auc_107: 0.4911
Epoch 114/700
267/267 [=====] - 1s 3ms/step - loss: 2.2040 - auc_107:
0.5085 - val_loss: 1.6136 - val_auc_107: 0.5035
Epoch 115/700
267/267 [=====] - 1s 3ms/step - loss: 2.3341 - auc_107:
0.5110 - val_loss: 1.8150 - val_auc_107: 0.5050
Epoch 116/700
267/267 [=====] - 1s 3ms/step - loss: 2.4277 - auc_107:
0.5091 - val_loss: 2.6896 - val_auc_107: 0.4969
Epoch 117/700
267/267 [=====] - 1s 3ms/step - loss: 2.2160 - auc_107:
0.5078 - val_loss: 2.1657 - val_auc_107: 0.5179
Epoch 118/700
267/267 [=====] - 1s 3ms/step - loss: 2.1979 - auc_107:
0.5068 - val_loss: 2.8191 - val_auc_107: 0.5128
Epoch 119/700
267/267 [=====] - 1s 3ms/step - loss: 2.5419 - auc_107:
0.5106 - val_loss: 1.4808 - val_auc_107: 0.5106
Epoch 120/700
267/267 [=====] - 1s 3ms/step - loss: 2.2223 - auc_107:
0.5081 - val_loss: 4.4639 - val_auc_107: 0.5088
Epoch 121/700

267/267 [=====] - 1s 3ms/step - loss: 2.8613 - auc_107:
0.5078 - val_loss: 2.7011 - val_auc_107: 0.5085
Epoch 122/700
267/267 [=====] - 1s 3ms/step - loss: 2.1059 - auc_107:
0.5046 - val_loss: 2.1366 - val_auc_107: 0.5179
Epoch 123/700
267/267 [=====] - 1s 3ms/step - loss: 2.8193 - auc_107:
0.5062 - val_loss: 2.3888 - val_auc_107: 0.5014
Epoch 124/700
267/267 [=====] - 1s 3ms/step - loss: 2.5142 - auc_107:
0.5091 - val_loss: 2.9315 - val_auc_107: 0.5054
Epoch 125/700
267/267 [=====] - 1s 3ms/step - loss: 2.0500 - auc_107:
0.5099 - val_loss: 2.8602 - val_auc_107: 0.5083
Epoch 126/700
267/267 [=====] - 1s 3ms/step - loss: 3.2420 - auc_107:
0.5084 - val_loss: 5.4988 - val_auc_107: 0.5024
Epoch 127/700
267/267 [=====] - 1s 3ms/step - loss: 2.4361 - auc_107:
0.5099 - val_loss: 2.9121 - val_auc_107: 0.5009
Epoch 128/700
267/267 [=====] - 1s 3ms/step - loss: 2.4070 - auc_107:
0.5082 - val_loss: 1.5434 - val_auc_107: 0.5162
Epoch 129/700
267/267 [=====] - 1s 3ms/step - loss: 2.4005 - auc_107:
0.5058 - val_loss: 2.1684 - val_auc_107: 0.5131
Epoch 130/700
267/267 [=====] - 1s 3ms/step - loss: 2.0913 - auc_107:
0.5108 - val_loss: 1.9523 - val_auc_107: 0.5086
Epoch 131/700
267/267 [=====] - 1s 3ms/step - loss: 1.9284 - auc_107:
0.5104 - val_loss: 2.4591 - val_auc_107: 0.5011
Epoch 132/700
267/267 [=====] - 1s 3ms/step - loss: 2.5266 - auc_107:
0.5089 - val_loss: 4.2165 - val_auc_107: 0.5162
Epoch 133/700
267/267 [=====] - 1s 3ms/step - loss: 2.1503 - auc_107:
0.5073 - val_loss: 2.1855 - val_auc_107: 0.5101
Epoch 134/700
267/267 [=====] - 1s 3ms/step - loss: 2.1293 - auc_107:
0.5087 - val_loss: 1.5114 - val_auc_107: 0.5106
Epoch 135/700
267/267 [=====] - 1s 3ms/step - loss: 2.3359 - auc_107:
0.5082 - val_loss: 2.1383 - val_auc_107: 0.5063
Epoch 136/700
267/267 [=====] - 1s 3ms/step - loss: 2.7145 - auc_107:
0.5077 - val_loss: 2.2449 - val_auc_107: 0.5114
Epoch 137/700

267/267 [=====] - 1s 3ms/step - loss: 2.3379 - auc_107:
 0.5073 - val_loss: 2.6782 - val_auc_107: 0.4922
 Epoch 138/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6401 - auc_107:
 0.5089 - val_loss: 3.2142 - val_auc_107: 0.5127
 Epoch 139/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5138 - auc_107:
 0.5072 - val_loss: 0.9783 - val_auc_107: 0.5087
 Epoch 140/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9724 - auc_107:
 0.5077 - val_loss: 2.4540 - val_auc_107: 0.5059
 Epoch 141/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7819 - auc_107:
 0.5058 - val_loss: 1.4193 - val_auc_107: 0.5119
 Epoch 142/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0965 - auc_107:
 0.5091 - val_loss: 3.6557 - val_auc_107: 0.5140
 Epoch 143/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7975 - auc_107:
 0.5124 - val_loss: 4.3351 - val_auc_107: 0.5153
 Epoch 144/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5440 - auc_107:
 0.5095 - val_loss: 2.2240 - val_auc_107: 0.5160
 Epoch 145/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1811 - auc_107:
 0.5076 - val_loss: 1.7503 - val_auc_107: 0.5025
 Epoch 146/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3509 - auc_107:
 0.5110 - val_loss: 1.5145 - val_auc_107: 0.5162
 Epoch 147/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4132 - auc_107:
 0.5074 - val_loss: 1.9955 - val_auc_107: 0.5081
 Epoch 148/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4855 - auc_107:
 0.5074 - val_loss: 3.0900 - val_auc_107: 0.5154
 Epoch 149/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3812 - auc_107:
 0.5107 - val_loss: 2.7908 - val_auc_107: 0.5049
 Epoch 150/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0747 - auc_107:
 0.5074 - val_loss: 4.4078 - val_auc_107: 0.5101
 Epoch 151/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3908 - auc_107:
 0.5090 - val_loss: 1.5451 - val_auc_107: 0.5047
 Epoch 152/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2617 - auc_107:
 0.5079 - val_loss: 2.6397 - val_auc_107: 0.4980
 Epoch 153/700

267/267 [=====] - 1s 3ms/step - loss: 2.2918 - auc_107:
 0.5058 - val_loss: 1.4075 - val_auc_107: 0.5145
 Epoch 154/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3354 - auc_107:
 0.5061 - val_loss: 2.5011 - val_auc_107: 0.4950
 Epoch 155/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2528 - auc_107:
 0.5075 - val_loss: 2.1212 - val_auc_107: 0.5071
 Epoch 156/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1656 - auc_107:
 0.5096 - val_loss: 1.2572 - val_auc_107: 0.5146
 Epoch 157/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1624 - auc_107:
 0.5088 - val_loss: 2.0330 - val_auc_107: 0.5057
 Epoch 158/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1700 - auc_107:
 0.5058 - val_loss: 2.3917 - val_auc_107: 0.5018
 Epoch 159/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4020 - auc_107:
 0.5075 - val_loss: 2.3002 - val_auc_107: 0.5070
 Epoch 160/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1751 - auc_107:
 0.5122 - val_loss: 1.0227 - val_auc_107: 0.5133
 Epoch 161/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1842 - auc_107:
 0.5058 - val_loss: 1.7795 - val_auc_107: 0.5087
 Epoch 162/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1533 - auc_107:
 0.5120 - val_loss: 1.6977 - val_auc_107: 0.5155
 Epoch 163/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1055 - auc_107:
 0.5082 - val_loss: 2.6231 - val_auc_107: 0.4983
 Epoch 164/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0136 - auc_107:
 0.5065 - val_loss: 2.7414 - val_auc_107: 0.5112
 Epoch 165/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0325 - auc_107:
 0.5090 - val_loss: 1.8486 - val_auc_107: 0.5028
 Epoch 166/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3424 - auc_107:
 0.5081 - val_loss: 2.5482 - val_auc_107: 0.5061
 Epoch 167/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0583 - auc_107:
 0.5062 - val_loss: 1.2485 - val_auc_107: 0.5124
 Epoch 168/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2151 - auc_107:
 0.5094 - val_loss: 3.9301 - val_auc_107: 0.5141
 Epoch 169/700

267/267 [=====] - 1s 3ms/step - loss: 2.2345 - auc_107:
 0.5088 - val_loss: 1.4566 - val_auc_107: 0.5107
 Epoch 170/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2066 - auc_107:
 0.5072 - val_loss: 4.3382 - val_auc_107: 0.5102
 Epoch 171/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6422 - auc_107:
 0.5079 - val_loss: 2.4776 - val_auc_107: 0.5009
 Epoch 172/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2097 - auc_107:
 0.5103 - val_loss: 1.4677 - val_auc_107: 0.5083
 Epoch 173/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1815 - auc_107:
 0.5123 - val_loss: 1.3441 - val_auc_107: 0.4998
 Epoch 174/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3510 - auc_107:
 0.5111 - val_loss: 1.6397 - val_auc_107: 0.5135
 Epoch 175/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1483 - auc_107:
 0.5091 - val_loss: 1.2690 - val_auc_107: 0.5101
 Epoch 176/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0590 - auc_107:
 0.5081 - val_loss: 2.1612 - val_auc_107: 0.5149
 Epoch 177/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5279 - auc_107:
 0.5087 - val_loss: 1.2027 - val_auc_107: 0.5042
 Epoch 178/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5566 - auc_107:
 0.5071 - val_loss: 1.3612 - val_auc_107: 0.5057
 Epoch 179/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9339 - auc_107:
 0.5094 - val_loss: 1.9138 - val_auc_107: 0.5127
 Epoch 180/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2991 - auc_107:
 0.5090 - val_loss: 2.2703 - val_auc_107: 0.5146
 Epoch 181/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1381 - auc_107:
 0.5086 - val_loss: 1.6866 - val_auc_107: 0.5111
 Epoch 182/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0500 - auc_107:
 0.5089 - val_loss: 1.4553 - val_auc_107: 0.5067
 Epoch 183/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6450 - auc_107:
 0.5033 - val_loss: 2.2503 - val_auc_107: 0.5046
 Epoch 184/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1603 - auc_107:
 0.5050 - val_loss: 2.5477 - val_auc_107: 0.5166
 Epoch 185/700

267/267 [=====] - 1s 3ms/step - loss: 2.2470 - auc_107:
0.5081 - val_loss: 4.1695 - val_auc_107: 0.5054
Epoch 186/700
267/267 [=====] - 1s 3ms/step - loss: 2.9180 - auc_107:
0.5082 - val_loss: 4.7123 - val_auc_107: 0.4947
Epoch 187/700
267/267 [=====] - 1s 3ms/step - loss: 2.2578 - auc_107:
0.5053 - val_loss: 1.9857 - val_auc_107: 0.5125
Epoch 188/700
267/267 [=====] - 1s 3ms/step - loss: 2.2249 - auc_107:
0.5072 - val_loss: 2.6857 - val_auc_107: 0.5179
Epoch 189/700
267/267 [=====] - 1s 3ms/step - loss: 2.2468 - auc_107:
0.5087 - val_loss: 3.1800 - val_auc_107: 0.5132
Epoch 190/700
267/267 [=====] - 1s 3ms/step - loss: 2.1998 - auc_107:
0.5046 - val_loss: 1.8943 - val_auc_107: 0.4947
Epoch 191/700
267/267 [=====] - 1s 3ms/step - loss: 1.9672 - auc_107:
0.5078 - val_loss: 1.7700 - val_auc_107: 0.5161
Epoch 192/700
267/267 [=====] - 1s 3ms/step - loss: 2.2273 - auc_107:
0.5095 - val_loss: 3.9191 - val_auc_107: 0.5162
Epoch 193/700
267/267 [=====] - 1s 3ms/step - loss: 1.9392 - auc_107:
0.5128 - val_loss: 2.1992 - val_auc_107: 0.5164
Epoch 194/700
267/267 [=====] - 1s 3ms/step - loss: 2.0022 - auc_107:
0.5098 - val_loss: 1.5994 - val_auc_107: 0.5108
Epoch 195/700
267/267 [=====] - 1s 3ms/step - loss: 2.5959 - auc_107:
0.5108 - val_loss: 2.5542 - val_auc_107: 0.5107
Epoch 196/700
267/267 [=====] - 1s 3ms/step - loss: 2.3345 - auc_107:
0.5054 - val_loss: 1.7800 - val_auc_107: 0.5111
Epoch 197/700
267/267 [=====] - 1s 3ms/step - loss: 2.5791 - auc_107:
0.5079 - val_loss: 1.8264 - val_auc_107: 0.5089
Epoch 198/700
267/267 [=====] - 1s 3ms/step - loss: 2.1949 - auc_107:
0.5054 - val_loss: 2.1271 - val_auc_107: 0.5099
Epoch 199/700
267/267 [=====] - 1s 3ms/step - loss: 2.3160 - auc_107:
0.5084 - val_loss: 5.7648 - val_auc_107: 0.4972
Epoch 200/700
267/267 [=====] - 1s 3ms/step - loss: 2.6438 - auc_107:
0.5111 - val_loss: 2.1074 - val_auc_107: 0.4965
Epoch 201/700

267/267 [=====] - 1s 3ms/step - loss: 2.0791 - auc_107:
 0.5054 - val_loss: 4.1660 - val_auc_107: 0.5104
 Epoch 202/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2054 - auc_107:
 0.5069 - val_loss: 2.2807 - val_auc_107: 0.5102
 Epoch 203/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5325 - auc_107:
 0.5076 - val_loss: 3.8393 - val_auc_107: 0.5046
 Epoch 204/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1778 - auc_107:
 0.5068 - val_loss: 2.4748 - val_auc_107: 0.5083
 Epoch 205/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3221 - auc_107:
 0.5066 - val_loss: 1.3364 - val_auc_107: 0.5114
 Epoch 206/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3073 - auc_107:
 0.5088 - val_loss: 1.3968 - val_auc_107: 0.5135
 Epoch 207/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4475 - auc_107:
 0.5077 - val_loss: 1.6648 - val_auc_107: 0.5102
 Epoch 208/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6191 - auc_107:
 0.5062 - val_loss: 4.3862 - val_auc_107: 0.5159
 Epoch 209/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2914 - auc_107:
 0.5057 - val_loss: 2.5278 - val_auc_107: 0.5040
 Epoch 210/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3400 - auc_107:
 0.5097 - val_loss: 4.1115 - val_auc_107: 0.5099
 Epoch 211/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2915 - auc_107:
 0.5084 - val_loss: 2.7044 - val_auc_107: 0.4966
 Epoch 212/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9653 - auc_107:
 0.5104 - val_loss: 1.4093 - val_auc_107: 0.5113
 Epoch 213/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0560 - auc_107:
 0.5087 - val_loss: 2.0875 - val_auc_107: 0.5141
 Epoch 214/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4362 - auc_107:
 0.5084 - val_loss: 1.4915 - val_auc_107: 0.5098
 Epoch 215/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3068 - auc_107:
 0.5040 - val_loss: 1.3718 - val_auc_107: 0.5120
 Epoch 216/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4657 - auc_107:
 0.5097 - val_loss: 1.8121 - val_auc_107: 0.5006
 Epoch 217/700

267/267 [=====] - 1s 3ms/step - loss: 2.3886 - auc_107:
 0.5060 - val_loss: 4.9327 - val_auc_107: 0.5135
 Epoch 218/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3561 - auc_107:
 0.5097 - val_loss: 1.5143 - val_auc_107: 0.5149
 Epoch 219/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4674 - auc_107:
 0.5081 - val_loss: 1.5633 - val_auc_107: 0.5115
 Epoch 220/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3272 - auc_107:
 0.5080 - val_loss: 1.4330 - val_auc_107: 0.5028
 Epoch 221/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4531 - auc_107:
 0.5100 - val_loss: 5.2971 - val_auc_107: 0.5051
 Epoch 222/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1893 - auc_107:
 0.5062 - val_loss: 2.6810 - val_auc_107: 0.5155
 Epoch 223/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5295 - auc_107:
 0.5082 - val_loss: 3.4231 - val_auc_107: 0.5024
 Epoch 224/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1431 - auc_107:
 0.5055 - val_loss: 1.3860 - val_auc_107: 0.5120
 Epoch 225/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1024 - auc_107:
 0.5065 - val_loss: 2.3340 - val_auc_107: 0.5029
 Epoch 226/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2013 - auc_107:
 0.5100 - val_loss: 2.7375 - val_auc_107: 0.5181
 Epoch 227/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7390 - auc_107:
 0.5088 - val_loss: 1.0469 - val_auc_107: 0.5107
 Epoch 228/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1585 - auc_107:
 0.5103 - val_loss: 2.7224 - val_auc_107: 0.5144
 Epoch 229/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5509 - auc_107:
 0.5062 - val_loss: 2.2151 - val_auc_107: 0.5138
 Epoch 230/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4166 - auc_107:
 0.5055 - val_loss: 2.8094 - val_auc_107: 0.5151
 Epoch 231/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2202 - auc_107:
 0.5085 - val_loss: 1.3475 - val_auc_107: 0.5049
 Epoch 232/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9663 - auc_107:
 0.5079 - val_loss: 3.2010 - val_auc_107: 0.5115
 Epoch 233/700

267/267 [=====] - 1s 3ms/step - loss: 3.0435 - auc_107:
 0.5082 - val_loss: 2.0814 - val_auc_107: 0.5131
 Epoch 234/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6281 - auc_107:
 0.5091 - val_loss: 1.8353 - val_auc_107: 0.5168
 Epoch 235/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1399 - auc_107:
 0.5087 - val_loss: 1.5606 - val_auc_107: 0.4981
 Epoch 236/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9798 - auc_107:
 0.5086 - val_loss: 4.3873 - val_auc_107: 0.5027
 Epoch 237/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5269 - auc_107:
 0.5103 - val_loss: 1.8107 - val_auc_107: 0.5064
 Epoch 238/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2889 - auc_107:
 0.5094 - val_loss: 1.7849 - val_auc_107: 0.5130
 Epoch 239/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4771 - auc_107:
 0.5073 - val_loss: 3.0756 - val_auc_107: 0.5080
 Epoch 240/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9104 - auc_107:
 0.5092 - val_loss: 3.0222 - val_auc_107: 0.5111
 Epoch 241/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7244 - auc_107:
 0.5064 - val_loss: 1.9040 - val_auc_107: 0.5116
 Epoch 242/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1846 - auc_107:
 0.5058 - val_loss: 2.7040 - val_auc_107: 0.5054
 Epoch 243/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2672 - auc_107:
 0.5030 - val_loss: 1.7968 - val_auc_107: 0.5132
 Epoch 244/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5069 - auc_107:
 0.5055 - val_loss: 3.3201 - val_auc_107: 0.5139
 Epoch 245/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6501 - auc_107:
 0.5078 - val_loss: 1.9217 - val_auc_107: 0.5075
 Epoch 246/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9172 - auc_107:
 0.5098 - val_loss: 3.5907 - val_auc_107: 0.5011
 Epoch 247/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6977 - auc_107:
 0.5091 - val_loss: 2.4793 - val_auc_107: 0.5171
 Epoch 248/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0151 - auc_107:
 0.5096 - val_loss: 2.6407 - val_auc_107: 0.5152
 Epoch 249/700

267/267 [=====] - 1s 3ms/step - loss: 2.2147 - auc_107:
 0.5083 - val_loss: 2.6794 - val_auc_107: 0.5082
 Epoch 250/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3761 - auc_107:
 0.5087 - val_loss: 1.8377 - val_auc_107: 0.5070
 Epoch 251/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3304 - auc_107:
 0.5091 - val_loss: 1.5200 - val_auc_107: 0.5125
 Epoch 252/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2050 - auc_107:
 0.5087 - val_loss: 2.9295 - val_auc_107: 0.5071
 Epoch 253/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4594 - auc_107:
 0.5104 - val_loss: 1.4031 - val_auc_107: 0.4969
 Epoch 254/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5605 - auc_107:
 0.5086 - val_loss: 2.7229 - val_auc_107: 0.5020
 Epoch 255/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4237 - auc_107:
 0.5066 - val_loss: 2.9103 - val_auc_107: 0.5039
 Epoch 256/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3567 - auc_107:
 0.5076 - val_loss: 1.9804 - val_auc_107: 0.5110
 Epoch 257/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2992 - auc_107:
 0.5100 - val_loss: 1.8955 - val_auc_107: 0.5086
 Epoch 258/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2373 - auc_107:
 0.5091 - val_loss: 1.9246 - val_auc_107: 0.5096
 Epoch 259/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1413 - auc_107:
 0.5085 - val_loss: 5.0811 - val_auc_107: 0.5036
 Epoch 260/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0590 - auc_107:
 0.5082 - val_loss: 4.7679 - val_auc_107: 0.5104
 Epoch 261/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2318 - auc_107:
 0.5083 - val_loss: 1.3590 - val_auc_107: 0.4987
 Epoch 262/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2715 - auc_107:
 0.5078 - val_loss: 1.7134 - val_auc_107: 0.4977
 Epoch 263/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3490 - auc_107:
 0.5073 - val_loss: 3.0853 - val_auc_107: 0.5121
 Epoch 264/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3876 - auc_107:
 0.5082 - val_loss: 4.7271 - val_auc_107: 0.5058
 Epoch 265/700

267/267 [=====] - 1s 3ms/step - loss: 2.5190 - auc_107:
 0.5062 - val_loss: 3.8062 - val_auc_107: 0.5145
 Epoch 266/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2737 - auc_107:
 0.5077 - val_loss: 1.8733 - val_auc_107: 0.5120
 Epoch 267/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5925 - auc_107:
 0.5063 - val_loss: 3.7685 - val_auc_107: 0.5040
 Epoch 268/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2405 - auc_107:
 0.5081 - val_loss: 2.9259 - val_auc_107: 0.4946
 Epoch 269/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3861 - auc_107:
 0.5043 - val_loss: 2.3414 - val_auc_107: 0.5121
 Epoch 270/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7133 - auc_107:
 0.5112 - val_loss: 2.6909 - val_auc_107: 0.5169
 Epoch 271/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1196 - auc_107:
 0.5087 - val_loss: 4.9508 - val_auc_107: 0.5152
 Epoch 272/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7465 - auc_107:
 0.5085 - val_loss: 2.9295 - val_auc_107: 0.5051
 Epoch 273/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3856 - auc_107:
 0.5078 - val_loss: 3.6280 - val_auc_107: 0.5048
 Epoch 274/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1947 - auc_107:
 0.5086 - val_loss: 1.1921 - val_auc_107: 0.5095
 Epoch 275/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4254 - auc_107:
 0.5076 - val_loss: 1.4406 - val_auc_107: 0.5062
 Epoch 276/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2632 - auc_107:
 0.5077 - val_loss: 2.1640 - val_auc_107: 0.5107
 Epoch 277/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3513 - auc_107:
 0.5100 - val_loss: 1.5051 - val_auc_107: 0.5031
 Epoch 278/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0962 - auc_107:
 0.5089 - val_loss: 1.7775 - val_auc_107: 0.5159
 Epoch 279/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1558 - auc_107:
 0.5096 - val_loss: 2.5038 - val_auc_107: 0.4940
 Epoch 280/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0824 - auc_107:
 0.5068 - val_loss: 2.7100 - val_auc_107: 0.5073
 Epoch 281/700

267/267 [=====] - 1s 3ms/step - loss: 2.1791 - auc_107:
0.5072 - val_loss: 1.8806 - val_auc_107: 0.4975
Epoch 282/700
267/267 [=====] - 1s 3ms/step - loss: 2.2507 - auc_107:
0.5077 - val_loss: 3.4591 - val_auc_107: 0.5051
Epoch 283/700
267/267 [=====] - 1s 3ms/step - loss: 2.2428 - auc_107:
0.5081 - val_loss: 2.8143 - val_auc_107: 0.5045
Epoch 284/700
267/267 [=====] - 1s 3ms/step - loss: 2.4022 - auc_107:
0.5051 - val_loss: 4.9576 - val_auc_107: 0.5138
Epoch 285/700
267/267 [=====] - 1s 3ms/step - loss: 2.5071 - auc_107:
0.5105 - val_loss: 1.8363 - val_auc_107: 0.5141
Epoch 286/700
267/267 [=====] - 1s 3ms/step - loss: 2.5532 - auc_107:
0.5089 - val_loss: 1.9519 - val_auc_107: 0.5138
Epoch 287/700
267/267 [=====] - 1s 3ms/step - loss: 2.3234 - auc_107:
0.5049 - val_loss: 3.1496 - val_auc_107: 0.5166
Epoch 288/700
267/267 [=====] - 1s 3ms/step - loss: 2.5398 - auc_107:
0.5085 - val_loss: 1.6989 - val_auc_107: 0.5025
Epoch 289/700
267/267 [=====] - 1s 3ms/step - loss: 2.4114 - auc_107:
0.5078 - val_loss: 1.7008 - val_auc_107: 0.5092
Epoch 290/700
267/267 [=====] - 1s 3ms/step - loss: 2.3921 - auc_107:
0.5107 - val_loss: 2.3474 - val_auc_107: 0.5002
Epoch 291/700
267/267 [=====] - 1s 3ms/step - loss: 2.4300 - auc_107:
0.5096 - val_loss: 1.8310 - val_auc_107: 0.5098
Epoch 292/700
267/267 [=====] - 1s 3ms/step - loss: 2.1902 - auc_107:
0.5102 - val_loss: 2.4908 - val_auc_107: 0.5135
Epoch 293/700
267/267 [=====] - 1s 3ms/step - loss: 2.2769 - auc_107:
0.5104 - val_loss: 2.4971 - val_auc_107: 0.4912
Epoch 294/700
267/267 [=====] - 1s 3ms/step - loss: 2.5004 - auc_107:
0.5064 - val_loss: 2.4716 - val_auc_107: 0.5084
Epoch 295/700
267/267 [=====] - 1s 3ms/step - loss: 2.4108 - auc_107:
0.5090 - val_loss: 1.5168 - val_auc_107: 0.5150
Epoch 296/700
267/267 [=====] - 1s 3ms/step - loss: 2.3810 - auc_107:
0.5093 - val_loss: 1.4725 - val_auc_107: 0.5030
Epoch 297/700

267/267 [=====] - 1s 3ms/step - loss: 2.2322 - auc_107:
 0.5087 - val_loss: 2.6001 - val_auc_107: 0.5162
 Epoch 298/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3746 - auc_107:
 0.5073 - val_loss: 1.6998 - val_auc_107: 0.5052
 Epoch 299/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4385 - auc_107:
 0.5032 - val_loss: 1.6295 - val_auc_107: 0.5047
 Epoch 300/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0816 - auc_107:
 0.5098 - val_loss: 3.1070 - val_auc_107: 0.5021
 Epoch 301/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2722 - auc_107:
 0.5111 - val_loss: 2.3912 - val_auc_107: 0.5080
 Epoch 302/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1690 - auc_107:
 0.5093 - val_loss: 4.5817 - val_auc_107: 0.5092
 Epoch 303/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2052 - auc_107:
 0.5079 - val_loss: 1.6835 - val_auc_107: 0.5144
 Epoch 304/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9667 - auc_107:
 0.5070 - val_loss: 2.8092 - val_auc_107: 0.5099
 Epoch 305/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5533 - auc_107:
 0.5050 - val_loss: 2.0931 - val_auc_107: 0.5009
 Epoch 306/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4575 - auc_107:
 0.5073 - val_loss: 2.4477 - val_auc_107: 0.5099
 Epoch 307/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5874 - auc_107:
 0.5063 - val_loss: 3.6824 - val_auc_107: 0.5031
 Epoch 308/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4809 - auc_107:
 0.5093 - val_loss: 1.5134 - val_auc_107: 0.5074
 Epoch 309/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0930 - auc_107:
 0.5096 - val_loss: 2.2204 - val_auc_107: 0.5078
 Epoch 310/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2207 - auc_107:
 0.5106 - val_loss: 1.5641 - val_auc_107: 0.5001
 Epoch 311/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3160 - auc_107:
 0.5085 - val_loss: 2.7715 - val_auc_107: 0.5111
 Epoch 312/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2438 - auc_107:
 0.5087 - val_loss: 1.2275 - val_auc_107: 0.5090
 Epoch 313/700

267/267 [=====] - 1s 3ms/step - loss: 2.0926 - auc_107:
0.5066 - val_loss: 1.4598 - val_auc_107: 0.5089
Epoch 314/700
267/267 [=====] - 1s 3ms/step - loss: 2.3901 - auc_107:
0.5071 - val_loss: 1.4619 - val_auc_107: 0.5061
Epoch 315/700
267/267 [=====] - 1s 3ms/step - loss: 2.4766 - auc_107:
0.5084 - val_loss: 1.6032 - val_auc_107: 0.5082
Epoch 316/700
267/267 [=====] - 1s 3ms/step - loss: 2.3123 - auc_107:
0.5078 - val_loss: 1.5236 - val_auc_107: 0.5092
Epoch 317/700
267/267 [=====] - 1s 3ms/step - loss: 2.6300 - auc_107:
0.5059 - val_loss: 2.2842 - val_auc_107: 0.5093
Epoch 318/700
267/267 [=====] - 1s 3ms/step - loss: 2.0858 - auc_107:
0.5099 - val_loss: 1.6344 - val_auc_107: 0.5038
Epoch 319/700
267/267 [=====] - 1s 3ms/step - loss: 2.3582 - auc_107:
0.5094 - val_loss: 3.1745 - val_auc_107: 0.5043
Epoch 320/700
267/267 [=====] - 1s 3ms/step - loss: 2.3262 - auc_107:
0.5034 - val_loss: 1.9420 - val_auc_107: 0.5137
Epoch 321/700
267/267 [=====] - 1s 3ms/step - loss: 1.9672 - auc_107:
0.5095 - val_loss: 3.4751 - val_auc_107: 0.5138
Epoch 322/700
267/267 [=====] - 1s 3ms/step - loss: 2.4931 - auc_107:
0.5077 - val_loss: 2.7313 - val_auc_107: 0.5121
Epoch 323/700
267/267 [=====] - 1s 3ms/step - loss: 2.2124 - auc_107:
0.5102 - val_loss: 1.1628 - val_auc_107: 0.5075
Epoch 324/700
267/267 [=====] - 1s 3ms/step - loss: 2.3417 - auc_107:
0.5128 - val_loss: 2.0112 - val_auc_107: 0.5088
Epoch 325/700
267/267 [=====] - 1s 3ms/step - loss: 2.2450 - auc_107:
0.5056 - val_loss: 1.9340 - val_auc_107: 0.5025
Epoch 326/700
267/267 [=====] - 1s 3ms/step - loss: 2.6367 - auc_107:
0.5114 - val_loss: 2.3950 - val_auc_107: 0.4947
Epoch 327/700
267/267 [=====] - 1s 3ms/step - loss: 2.6050 - auc_107:
0.5107 - val_loss: 2.6333 - val_auc_107: 0.4979
Epoch 328/700
267/267 [=====] - 1s 3ms/step - loss: 2.4926 - auc_107:
0.5086 - val_loss: 0.9680 - val_auc_107: 0.5157
Epoch 329/700

267/267 [=====] - 1s 3ms/step - loss: 2.3338 - auc_107:
 0.5123 - val_loss: 2.1675 - val_auc_107: 0.5067
 Epoch 330/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3622 - auc_107:
 0.5081 - val_loss: 2.2611 - val_auc_107: 0.5140
 Epoch 331/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2017 - auc_107:
 0.5078 - val_loss: 3.0069 - val_auc_107: 0.5087
 Epoch 332/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3311 - auc_107:
 0.5048 - val_loss: 3.1436 - val_auc_107: 0.5027
 Epoch 333/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1618 - auc_107:
 0.5113 - val_loss: 1.2036 - val_auc_107: 0.5025
 Epoch 334/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3875 - auc_107:
 0.5092 - val_loss: 3.1072 - val_auc_107: 0.5020
 Epoch 335/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7152 - auc_107:
 0.5082 - val_loss: 2.9169 - val_auc_107: 0.5042
 Epoch 336/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1526 - auc_107:
 0.5068 - val_loss: 1.9690 - val_auc_107: 0.5149
 Epoch 337/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0381 - auc_107:
 0.5119 - val_loss: 2.4039 - val_auc_107: 0.5067
 Epoch 338/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2096 - auc_107:
 0.5092 - val_loss: 3.0862 - val_auc_107: 0.5065
 Epoch 339/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3271 - auc_107:
 0.5054 - val_loss: 1.6357 - val_auc_107: 0.5073
 Epoch 340/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3101 - auc_107:
 0.5096 - val_loss: 1.6360 - val_auc_107: 0.5050
 Epoch 341/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1156 - auc_107:
 0.5075 - val_loss: 1.6746 - val_auc_107: 0.5132
 Epoch 342/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3120 - auc_107:
 0.5085 - val_loss: 1.9370 - val_auc_107: 0.5188
 Epoch 343/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2199 - auc_107:
 0.5105 - val_loss: 2.8374 - val_auc_107: 0.5067
 Epoch 344/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4397 - auc_107:
 0.5038 - val_loss: 2.9080 - val_auc_107: 0.5187
 Epoch 345/700

267/267 [=====] - 1s 3ms/step - loss: 2.2558 - auc_107:
 0.5103 - val_loss: 2.1942 - val_auc_107: 0.5065
 Epoch 346/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3948 - auc_107:
 0.5056 - val_loss: 1.6966 - val_auc_107: 0.5090
 Epoch 347/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1270 - auc_107:
 0.5111 - val_loss: 2.2331 - val_auc_107: 0.5099
 Epoch 348/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2026 - auc_107:
 0.5112 - val_loss: 1.4006 - val_auc_107: 0.5020
 Epoch 349/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2414 - auc_107:
 0.5083 - val_loss: 2.6804 - val_auc_107: 0.5041
 Epoch 350/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2537 - auc_107:
 0.5045 - val_loss: 2.4162 - val_auc_107: 0.4954
 Epoch 351/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1395 - auc_107:
 0.5100 - val_loss: 2.7889 - val_auc_107: 0.5114
 Epoch 352/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4064 - auc_107:
 0.5101 - val_loss: 2.5192 - val_auc_107: 0.5146
 Epoch 353/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5546 - auc_107:
 0.5074 - val_loss: 3.1350 - val_auc_107: 0.5123
 Epoch 354/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9863 - auc_107:
 0.5094 - val_loss: 1.3399 - val_auc_107: 0.4970
 Epoch 355/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9985 - auc_107:
 0.5084 - val_loss: 1.5960 - val_auc_107: 0.5071
 Epoch 356/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3039 - auc_107:
 0.5067 - val_loss: 1.8787 - val_auc_107: 0.5049
 Epoch 357/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2934 - auc_107:
 0.5099 - val_loss: 1.5259 - val_auc_107: 0.5180
 Epoch 358/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5033 - auc_107:
 0.5056 - val_loss: 2.3014 - val_auc_107: 0.4967
 Epoch 359/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8053 - auc_107:
 0.5072 - val_loss: 2.2560 - val_auc_107: 0.5082
 Epoch 360/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4613 - auc_107:
 0.5069 - val_loss: 2.4843 - val_auc_107: 0.5090
 Epoch 361/700

267/267 [=====] - 1s 3ms/step - loss: 2.7811 - auc_107:
 0.5074 - val_loss: 1.5720 - val_auc_107: 0.5042
 Epoch 362/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2542 - auc_107:
 0.5073 - val_loss: 1.7662 - val_auc_107: 0.5044
 Epoch 363/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1712 - auc_107:
 0.5104 - val_loss: 2.3974 - val_auc_107: 0.4925
 Epoch 364/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0698 - auc_107:
 0.5048 - val_loss: 2.9718 - val_auc_107: 0.5178
 Epoch 365/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5810 - auc_107:
 0.5096 - val_loss: 1.8433 - val_auc_107: 0.5074
 Epoch 366/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1645 - auc_107:
 0.5102 - val_loss: 1.9272 - val_auc_107: 0.5102
 Epoch 367/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2863 - auc_107:
 0.5075 - val_loss: 2.4253 - val_auc_107: 0.5054
 Epoch 368/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4942 - auc_107:
 0.5127 - val_loss: 1.3991 - val_auc_107: 0.4950
 Epoch 369/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1514 - auc_107:
 0.5101 - val_loss: 2.2286 - val_auc_107: 0.5045
 Epoch 370/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3335 - auc_107:
 0.5094 - val_loss: 1.4598 - val_auc_107: 0.5127
 Epoch 371/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6999 - auc_107:
 0.5081 - val_loss: 2.6320 - val_auc_107: 0.5099
 Epoch 372/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3720 - auc_107:
 0.5082 - val_loss: 1.5890 - val_auc_107: 0.5054
 Epoch 373/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2801 - auc_107:
 0.5064 - val_loss: 1.4728 - val_auc_107: 0.5080
 Epoch 374/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0799 - auc_107:
 0.5100 - val_loss: 3.1802 - val_auc_107: 0.5201
 Epoch 375/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0786 - auc_107:
 0.5074 - val_loss: 2.0625 - val_auc_107: 0.4968
 Epoch 376/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1612 - auc_107:
 0.5092 - val_loss: 2.7625 - val_auc_107: 0.5025
 Epoch 377/700

267/267 [=====] - 1s 3ms/step - loss: 2.8011 - auc_107:
0.5065 - val_loss: 1.3268 - val_auc_107: 0.5054
Epoch 378/700
267/267 [=====] - 1s 3ms/step - loss: 1.9690 - auc_107:
0.5062 - val_loss: 1.8465 - val_auc_107: 0.5053
Epoch 379/700
267/267 [=====] - 1s 3ms/step - loss: 2.6188 - auc_107:
0.5084 - val_loss: 1.8809 - val_auc_107: 0.5091
Epoch 380/700
267/267 [=====] - 1s 3ms/step - loss: 2.5444 - auc_107:
0.5075 - val_loss: 1.2451 - val_auc_107: 0.5135
Epoch 381/700
267/267 [=====] - 1s 3ms/step - loss: 2.0432 - auc_107:
0.5076 - val_loss: 2.8352 - val_auc_107: 0.5121
Epoch 382/700
267/267 [=====] - 1s 3ms/step - loss: 2.2411 - auc_107:
0.5098 - val_loss: 2.5072 - val_auc_107: 0.5128
Epoch 383/700
267/267 [=====] - 1s 3ms/step - loss: 2.3118 - auc_107:
0.5065 - val_loss: 1.6637 - val_auc_107: 0.5058
Epoch 384/700
267/267 [=====] - 1s 3ms/step - loss: 2.1766 - auc_107:
0.5091 - val_loss: 1.4876 - val_auc_107: 0.4973
Epoch 385/700
267/267 [=====] - 1s 3ms/step - loss: 2.2487 - auc_107:
0.5057 - val_loss: 3.7683 - val_auc_107: 0.5150
Epoch 386/700
267/267 [=====] - 1s 3ms/step - loss: 2.7807 - auc_107:
0.5102 - val_loss: 4.9535 - val_auc_107: 0.5179
Epoch 387/700
267/267 [=====] - 1s 3ms/step - loss: 2.5981 - auc_107:
0.5073 - val_loss: 2.5875 - val_auc_107: 0.5052
Epoch 388/700
267/267 [=====] - 1s 3ms/step - loss: 2.6944 - auc_107:
0.5068 - val_loss: 1.9102 - val_auc_107: 0.4884
Epoch 389/700
267/267 [=====] - 1s 3ms/step - loss: 2.0330 - auc_107:
0.5139 - val_loss: 2.7610 - val_auc_107: 0.5094
Epoch 390/700
267/267 [=====] - 1s 3ms/step - loss: 2.3424 - auc_107:
0.5081 - val_loss: 2.1195 - val_auc_107: 0.5036
Epoch 391/700
267/267 [=====] - 1s 3ms/step - loss: 2.0322 - auc_107:
0.5069 - val_loss: 2.2212 - val_auc_107: 0.5098
Epoch 392/700
267/267 [=====] - 1s 3ms/step - loss: 2.4817 - auc_107:
0.5086 - val_loss: 2.4826 - val_auc_107: 0.5064
Epoch 393/700

267/267 [=====] - 1s 3ms/step - loss: 2.6713 - auc_107:
0.5050 - val_loss: 3.6415 - val_auc_107: 0.5092
Epoch 394/700
267/267 [=====] - 1s 3ms/step - loss: 2.4695 - auc_107:
0.5083 - val_loss: 2.2482 - val_auc_107: 0.5118
Epoch 395/700
267/267 [=====] - 1s 3ms/step - loss: 2.0845 - auc_107:
0.5056 - val_loss: 2.6525 - val_auc_107: 0.4941
Epoch 396/700
267/267 [=====] - 1s 3ms/step - loss: 2.2674 - auc_107:
0.5032 - val_loss: 3.2401 - val_auc_107: 0.5132
Epoch 397/700
267/267 [=====] - 1s 3ms/step - loss: 2.4315 - auc_107:
0.5069 - val_loss: 2.0216 - val_auc_107: 0.5196
Epoch 398/700
267/267 [=====] - 1s 3ms/step - loss: 2.2724 - auc_107:
0.5123 - val_loss: 2.0573 - val_auc_107: 0.5155
Epoch 399/700
267/267 [=====] - 1s 3ms/step - loss: 2.5028 - auc_107:
0.5057 - val_loss: 2.0102 - val_auc_107: 0.5004
Epoch 400/700
267/267 [=====] - 1s 3ms/step - loss: 2.4374 - auc_107:
0.5122 - val_loss: 2.0920 - val_auc_107: 0.5069
Epoch 401/700
267/267 [=====] - 1s 3ms/step - loss: 2.3355 - auc_107:
0.5100 - val_loss: 2.1718 - val_auc_107: 0.4943
Epoch 402/700
267/267 [=====] - 1s 3ms/step - loss: 2.3685 - auc_107:
0.5047 - val_loss: 1.3421 - val_auc_107: 0.5032
Epoch 403/700
267/267 [=====] - 1s 3ms/step - loss: 2.3015 - auc_107:
0.5090 - val_loss: 3.2628 - val_auc_107: 0.5098
Epoch 404/700
267/267 [=====] - 1s 3ms/step - loss: 2.5453 - auc_107:
0.5129 - val_loss: 1.6394 - val_auc_107: 0.5123
Epoch 405/700
267/267 [=====] - 1s 3ms/step - loss: 2.2379 - auc_107:
0.5099 - val_loss: 2.2160 - val_auc_107: 0.5040
Epoch 406/700
267/267 [=====] - 1s 3ms/step - loss: 2.1153 - auc_107:
0.5108 - val_loss: 1.8545 - val_auc_107: 0.5034
Epoch 407/700
267/267 [=====] - 1s 3ms/step - loss: 2.2880 - auc_107:
0.5079 - val_loss: 1.4902 - val_auc_107: 0.5066
Epoch 408/700
267/267 [=====] - 1s 3ms/step - loss: 2.5309 - auc_107:
0.5082 - val_loss: 2.2402 - val_auc_107: 0.5116
Epoch 409/700

267/267 [=====] - 1s 3ms/step - loss: 2.3551 - auc_107:
0.5079 - val_loss: 1.7169 - val_auc_107: 0.5160
Epoch 410/700
267/267 [=====] - 1s 3ms/step - loss: 2.1624 - auc_107:
0.5080 - val_loss: 1.8770 - val_auc_107: 0.5095
Epoch 411/700
267/267 [=====] - 1s 3ms/step - loss: 2.2899 - auc_107:
0.5083 - val_loss: 2.3709 - val_auc_107: 0.5164
Epoch 412/700
267/267 [=====] - 1s 3ms/step - loss: 2.2204 - auc_107:
0.5082 - val_loss: 1.6700 - val_auc_107: 0.5126
Epoch 413/700
267/267 [=====] - 1s 3ms/step - loss: 2.8640 - auc_107:
0.5069 - val_loss: 2.1148 - val_auc_107: 0.5174
Epoch 414/700
267/267 [=====] - 1s 3ms/step - loss: 2.4956 - auc_107:
0.5056 - val_loss: 3.5096 - val_auc_107: 0.4982
Epoch 415/700
267/267 [=====] - 1s 3ms/step - loss: 2.5358 - auc_107:
0.5051 - val_loss: 1.3272 - val_auc_107: 0.5056
Epoch 416/700
267/267 [=====] - 1s 3ms/step - loss: 2.5274 - auc_107:
0.5055 - val_loss: 2.4766 - val_auc_107: 0.4951
Epoch 417/700
267/267 [=====] - 1s 3ms/step - loss: 2.1663 - auc_107:
0.5075 - val_loss: 1.7511 - val_auc_107: 0.5095
Epoch 418/700
267/267 [=====] - 1s 3ms/step - loss: 2.3178 - auc_107:
0.5075 - val_loss: 2.8141 - val_auc_107: 0.5092
Epoch 419/700
267/267 [=====] - 1s 3ms/step - loss: 2.9307 - auc_107:
0.5067 - val_loss: 2.6066 - val_auc_107: 0.5105
Epoch 420/700
267/267 [=====] - 1s 3ms/step - loss: 2.5932 - auc_107:
0.5075 - val_loss: 3.0659 - val_auc_107: 0.5033
Epoch 421/700
267/267 [=====] - 1s 3ms/step - loss: 2.3092 - auc_107:
0.5073 - val_loss: 2.6262 - val_auc_107: 0.5026
Epoch 422/700
267/267 [=====] - 1s 3ms/step - loss: 2.4416 - auc_107:
0.5089 - val_loss: 1.2745 - val_auc_107: 0.5058
Epoch 423/700
267/267 [=====] - 1s 3ms/step - loss: 2.0676 - auc_107:
0.5054 - val_loss: 1.9850 - val_auc_107: 0.5065
Epoch 424/700
267/267 [=====] - 1s 3ms/step - loss: 2.3692 - auc_107:
0.5049 - val_loss: 1.6411 - val_auc_107: 0.5066
Epoch 425/700

267/267 [=====] - 1s 3ms/step - loss: 2.6119 - auc_107:
0.5089 - val_loss: 1.3857 - val_auc_107: 0.5059
Epoch 426/700
267/267 [=====] - 1s 3ms/step - loss: 1.9845 - auc_107:
0.5084 - val_loss: 2.0995 - val_auc_107: 0.5152
Epoch 427/700
267/267 [=====] - 1s 3ms/step - loss: 1.9420 - auc_107:
0.5068 - val_loss: 2.4161 - val_auc_107: 0.5024
Epoch 428/700
267/267 [=====] - 1s 3ms/step - loss: 2.0818 - auc_107:
0.5076 - val_loss: 2.2142 - val_auc_107: 0.5078
Epoch 429/700
267/267 [=====] - 1s 3ms/step - loss: 2.3636 - auc_107:
0.5093 - val_loss: 2.1796 - val_auc_107: 0.4998
Epoch 430/700
267/267 [=====] - 1s 3ms/step - loss: 2.4317 - auc_107:
0.5091 - val_loss: 2.2060 - val_auc_107: 0.5145
Epoch 431/700
267/267 [=====] - 1s 3ms/step - loss: 2.3177 - auc_107:
0.5081 - val_loss: 5.5404 - val_auc_107: 0.5120
Epoch 432/700
267/267 [=====] - 1s 3ms/step - loss: 2.4117 - auc_107:
0.5070 - val_loss: 1.4726 - val_auc_107: 0.5189
Epoch 433/700
267/267 [=====] - 1s 3ms/step - loss: 2.8506 - auc_107:
0.5034 - val_loss: 3.4337 - val_auc_107: 0.5129
Epoch 434/700
267/267 [=====] - 1s 3ms/step - loss: 2.2509 - auc_107:
0.5124 - val_loss: 2.0488 - val_auc_107: 0.5145
Epoch 435/700
267/267 [=====] - 1s 3ms/step - loss: 2.5571 - auc_107:
0.5061 - val_loss: 2.4142 - val_auc_107: 0.5078
Epoch 436/700
267/267 [=====] - 1s 3ms/step - loss: 2.4172 - auc_107:
0.5104 - val_loss: 3.3479 - val_auc_107: 0.5159
Epoch 437/700
267/267 [=====] - 1s 3ms/step - loss: 2.2398 - auc_107:
0.5092 - val_loss: 2.5890 - val_auc_107: 0.5170
Epoch 438/700
267/267 [=====] - 1s 3ms/step - loss: 2.1170 - auc_107:
0.5067 - val_loss: 1.7992 - val_auc_107: 0.5085
Epoch 439/700
267/267 [=====] - 1s 3ms/step - loss: 2.5661 - auc_107:
0.5085 - val_loss: 1.9241 - val_auc_107: 0.5132
Epoch 440/700
267/267 [=====] - 1s 3ms/step - loss: 2.4677 - auc_107:
0.5134 - val_loss: 1.3204 - val_auc_107: 0.5166
Epoch 441/700

267/267 [=====] - 1s 3ms/step - loss: 2.3904 - auc_107:
 0.5106 - val_loss: 1.7211 - val_auc_107: 0.5205
 Epoch 442/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1424 - auc_107:
 0.5102 - val_loss: 1.5775 - val_auc_107: 0.5146
 Epoch 443/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0364 - auc_107:
 0.5131 - val_loss: 2.9906 - val_auc_107: 0.5126
 Epoch 444/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2720 - auc_107:
 0.5107 - val_loss: 3.7294 - val_auc_107: 0.5101
 Epoch 445/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7520 - auc_107:
 0.5107 - val_loss: 3.5494 - val_auc_107: 0.5208
 Epoch 446/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2572 - auc_107:
 0.5078 - val_loss: 1.2727 - val_auc_107: 0.5063
 Epoch 447/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2227 - auc_107:
 0.5063 - val_loss: 3.8459 - val_auc_107: 0.5020
 Epoch 448/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4664 - auc_107:
 0.5089 - val_loss: 2.0372 - val_auc_107: 0.5120
 Epoch 449/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3245 - auc_107:
 0.5050 - val_loss: 4.8656 - val_auc_107: 0.5141
 Epoch 450/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3857 - auc_107:
 0.5103 - val_loss: 4.2406 - val_auc_107: 0.5121
 Epoch 451/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1550 - auc_107:
 0.5037 - val_loss: 2.8691 - val_auc_107: 0.5049
 Epoch 452/700
 267/267 [=====] - 1s 3ms/step - loss: 1.8991 - auc_107:
 0.5123 - val_loss: 2.0679 - val_auc_107: 0.4966
 Epoch 453/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0614 - auc_107:
 0.5117 - val_loss: 3.1536 - val_auc_107: 0.5146
 Epoch 454/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4734 - auc_107:
 0.5073 - val_loss: 2.6156 - val_auc_107: 0.5136
 Epoch 455/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3821 - auc_107:
 0.5068 - val_loss: 3.1779 - val_auc_107: 0.5010
 Epoch 456/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2662 - auc_107:
 0.5064 - val_loss: 2.3926 - val_auc_107: 0.5047
 Epoch 457/700

267/267 [=====] - 1s 3ms/step - loss: 2.3894 - auc_107:
 0.5108 - val_loss: 1.8794 - val_auc_107: 0.5039
 Epoch 458/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2802 - auc_107:
 0.5090 - val_loss: 2.4583 - val_auc_107: 0.5107
 Epoch 459/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1607 - auc_107:
 0.5127 - val_loss: 2.5945 - val_auc_107: 0.5058
 Epoch 460/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3685 - auc_107:
 0.5099 - val_loss: 2.5637 - val_auc_107: 0.5203
 Epoch 461/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3836 - auc_107:
 0.5058 - val_loss: 2.7410 - val_auc_107: 0.5003
 Epoch 462/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4093 - auc_107:
 0.5095 - val_loss: 1.9095 - val_auc_107: 0.5106
 Epoch 463/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3497 - auc_107:
 0.5078 - val_loss: 3.5244 - val_auc_107: 0.5101
 Epoch 464/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6498 - auc_107:
 0.5022 - val_loss: 2.6331 - val_auc_107: 0.5113
 Epoch 465/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3892 - auc_107:
 0.5088 - val_loss: 2.9959 - val_auc_107: 0.5123
 Epoch 466/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1085 - auc_107:
 0.5078 - val_loss: 2.8803 - val_auc_107: 0.4988
 Epoch 467/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7398 - auc_107:
 0.5078 - val_loss: 2.6917 - val_auc_107: 0.5130
 Epoch 468/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1116 - auc_107:
 0.5074 - val_loss: 2.3838 - val_auc_107: 0.5073
 Epoch 469/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4212 - auc_107:
 0.5093 - val_loss: 1.5839 - val_auc_107: 0.5066
 Epoch 470/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0304 - auc_107:
 0.5101 - val_loss: 1.4899 - val_auc_107: 0.4992
 Epoch 471/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3957 - auc_107:
 0.5079 - val_loss: 2.9281 - val_auc_107: 0.5059
 Epoch 472/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1647 - auc_107:
 0.5104 - val_loss: 1.5730 - val_auc_107: 0.5074
 Epoch 473/700

267/267 [=====] - 1s 3ms/step - loss: 2.1791 - auc_107:
 0.5096 - val_loss: 1.0943 - val_auc_107: 0.5017
 Epoch 474/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3622 - auc_107:
 0.5092 - val_loss: 1.5216 - val_auc_107: 0.5151
 Epoch 475/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1501 - auc_107:
 0.5097 - val_loss: 3.3578 - val_auc_107: 0.5185
 Epoch 476/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2952 - auc_107:
 0.5109 - val_loss: 2.0607 - val_auc_107: 0.4919
 Epoch 477/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1834 - auc_107:
 0.5107 - val_loss: 1.2366 - val_auc_107: 0.5070
 Epoch 478/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2179 - auc_107:
 0.5087 - val_loss: 4.0464 - val_auc_107: 0.5106
 Epoch 479/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4853 - auc_107:
 0.5101 - val_loss: 1.4505 - val_auc_107: 0.5049
 Epoch 480/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9566 - auc_107:
 0.5095 - val_loss: 1.7315 - val_auc_107: 0.5090
 Epoch 481/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3525 - auc_107:
 0.5091 - val_loss: 2.0070 - val_auc_107: 0.5126
 Epoch 482/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9720 - auc_107:
 0.5080 - val_loss: 1.2058 - val_auc_107: 0.5120
 Epoch 483/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2537 - auc_107:
 0.5113 - val_loss: 1.1074 - val_auc_107: 0.5100
 Epoch 484/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1595 - auc_107:
 0.5118 - val_loss: 1.8792 - val_auc_107: 0.5088
 Epoch 485/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3646 - auc_107:
 0.5053 - val_loss: 2.9925 - val_auc_107: 0.4994
 Epoch 486/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4840 - auc_107:
 0.5107 - val_loss: 2.9245 - val_auc_107: 0.5137
 Epoch 487/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3413 - auc_107:
 0.5049 - val_loss: 1.6517 - val_auc_107: 0.5146
 Epoch 488/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4131 - auc_107:
 0.5043 - val_loss: 2.4423 - val_auc_107: 0.5085
 Epoch 489/700

267/267 [=====] - 1s 3ms/step - loss: 2.4384 - auc_107:
 0.5070 - val_loss: 2.0273 - val_auc_107: 0.5070
 Epoch 490/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2089 - auc_107:
 0.5065 - val_loss: 2.5165 - val_auc_107: 0.5051
 Epoch 491/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3469 - auc_107:
 0.5062 - val_loss: 3.3860 - val_auc_107: 0.5010
 Epoch 492/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7070 - auc_107:
 0.5071 - val_loss: 1.5010 - val_auc_107: 0.5126
 Epoch 493/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2422 - auc_107:
 0.5101 - val_loss: 3.3015 - val_auc_107: 0.5070
 Epoch 494/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7862 - auc_107:
 0.5076 - val_loss: 1.9604 - val_auc_107: 0.5067
 Epoch 495/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9214 - auc_107:
 0.5083 - val_loss: 1.7470 - val_auc_107: 0.5126
 Epoch 496/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2905 - auc_107:
 0.5088 - val_loss: 2.8961 - val_auc_107: 0.5055
 Epoch 497/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0498 - auc_107:
 0.5121 - val_loss: 1.9916 - val_auc_107: 0.5045
 Epoch 498/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1751 - auc_107:
 0.5059 - val_loss: 1.5023 - val_auc_107: 0.5174
 Epoch 499/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3926 - auc_107:
 0.5064 - val_loss: 3.4429 - val_auc_107: 0.5053
 Epoch 500/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3730 - auc_107:
 0.5051 - val_loss: 2.7570 - val_auc_107: 0.5146
 Epoch 501/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2132 - auc_107:
 0.5105 - val_loss: 4.5086 - val_auc_107: 0.4985
 Epoch 502/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6733 - auc_107:
 0.5062 - val_loss: 1.6922 - val_auc_107: 0.5134
 Epoch 503/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2185 - auc_107:
 0.5067 - val_loss: 2.1126 - val_auc_107: 0.5193
 Epoch 504/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1367 - auc_107:
 0.5101 - val_loss: 2.2084 - val_auc_107: 0.5103
 Epoch 505/700

267/267 [=====] - 1s 3ms/step - loss: 2.4587 - auc_107:
 0.5109 - val_loss: 1.9773 - val_auc_107: 0.4974
 Epoch 506/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7808 - auc_107:
 0.5077 - val_loss: 1.4322 - val_auc_107: 0.5116
 Epoch 507/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8703 - auc_107:
 0.5063 - val_loss: 2.2117 - val_auc_107: 0.5135
 Epoch 508/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9139 - auc_107:
 0.5071 - val_loss: 3.2211 - val_auc_107: 0.5031
 Epoch 509/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2195 - auc_107:
 0.5089 - val_loss: 1.9297 - val_auc_107: 0.5124
 Epoch 510/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2596 - auc_107:
 0.5085 - val_loss: 1.4467 - val_auc_107: 0.5186
 Epoch 511/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1365 - auc_107:
 0.5069 - val_loss: 2.6458 - val_auc_107: 0.5102
 Epoch 512/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8704 - auc_107:
 0.5084 - val_loss: 1.4289 - val_auc_107: 0.5199
 Epoch 513/700
 267/267 [=====] - 1s 3ms/step - loss: 3.0289 - auc_107:
 0.5078 - val_loss: 2.4937 - val_auc_107: 0.5082
 Epoch 514/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1879 - auc_107:
 0.5116 - val_loss: 2.8842 - val_auc_107: 0.5037
 Epoch 515/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1088 - auc_107:
 0.5128 - val_loss: 3.2211 - val_auc_107: 0.5054
 Epoch 516/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0519 - auc_107:
 0.5090 - val_loss: 1.3989 - val_auc_107: 0.5085
 Epoch 517/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2105 - auc_107:
 0.5067 - val_loss: 2.1560 - val_auc_107: 0.5137
 Epoch 518/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6719 - auc_107:
 0.5045 - val_loss: 3.2759 - val_auc_107: 0.5122
 Epoch 519/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2341 - auc_107:
 0.5098 - val_loss: 2.1688 - val_auc_107: 0.5200
 Epoch 520/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4053 - auc_107:
 0.5067 - val_loss: 1.0943 - val_auc_107: 0.5068
 Epoch 521/700

267/267 [=====] - 1s 3ms/step - loss: 2.6998 - auc_107:
 0.5083 - val_loss: 2.9047 - val_auc_107: 0.5064
 Epoch 522/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9741 - auc_107:
 0.5093 - val_loss: 3.4925 - val_auc_107: 0.5137
 Epoch 523/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4121 - auc_107:
 0.5073 - val_loss: 2.0971 - val_auc_107: 0.5092
 Epoch 524/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5747 - auc_107:
 0.5101 - val_loss: 2.4113 - val_auc_107: 0.5074
 Epoch 525/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3030 - auc_107:
 0.5082 - val_loss: 1.3249 - val_auc_107: 0.5093
 Epoch 526/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4972 - auc_107:
 0.5110 - val_loss: 2.5799 - val_auc_107: 0.5021
 Epoch 527/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6917 - auc_107:
 0.5069 - val_loss: 3.1487 - val_auc_107: 0.5097
 Epoch 528/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5126 - auc_107:
 0.5071 - val_loss: 3.4416 - val_auc_107: 0.5145
 Epoch 529/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2706 - auc_107:
 0.5096 - val_loss: 2.0609 - val_auc_107: 0.4942
 Epoch 530/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0490 - auc_107:
 0.5123 - val_loss: 2.3522 - val_auc_107: 0.5044
 Epoch 531/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3040 - auc_107:
 0.5101 - val_loss: 3.4724 - val_auc_107: 0.5154
 Epoch 532/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1411 - auc_107:
 0.5061 - val_loss: 2.4688 - val_auc_107: 0.5080
 Epoch 533/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9658 - auc_107:
 0.5099 - val_loss: 2.1663 - val_auc_107: 0.5080
 Epoch 534/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1502 - auc_107:
 0.5088 - val_loss: 6.0056 - val_auc_107: 0.5112
 Epoch 535/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7155 - auc_107:
 0.5052 - val_loss: 1.8407 - val_auc_107: 0.5163
 Epoch 536/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3958 - auc_107:
 0.5092 - val_loss: 3.4534 - val_auc_107: 0.5040
 Epoch 537/700

267/267 [=====] - 1s 3ms/step - loss: 2.3724 - auc_107:
0.5103 - val_loss: 1.5819 - val_auc_107: 0.5031
Epoch 538/700
267/267 [=====] - 1s 3ms/step - loss: 2.4943 - auc_107:
0.5082 - val_loss: 1.5299 - val_auc_107: 0.5006
Epoch 539/700
267/267 [=====] - 1s 3ms/step - loss: 2.3477 - auc_107:
0.5090 - val_loss: 2.3840 - val_auc_107: 0.5132
Epoch 540/700
267/267 [=====] - 1s 3ms/step - loss: 2.5021 - auc_107:
0.5107 - val_loss: 3.0173 - val_auc_107: 0.4966
Epoch 541/700
267/267 [=====] - 1s 3ms/step - loss: 2.4030 - auc_107:
0.5115 - val_loss: 2.6562 - val_auc_107: 0.4957
Epoch 542/700
267/267 [=====] - 1s 3ms/step - loss: 2.2109 - auc_107:
0.5085 - val_loss: 1.9867 - val_auc_107: 0.4976
Epoch 543/700
267/267 [=====] - 1s 3ms/step - loss: 2.2257 - auc_107:
0.5089 - val_loss: 2.7970 - val_auc_107: 0.4935
Epoch 544/700
267/267 [=====] - 1s 3ms/step - loss: 2.5520 - auc_107:
0.5071 - val_loss: 1.4866 - val_auc_107: 0.5169
Epoch 545/700
267/267 [=====] - 1s 3ms/step - loss: 1.9914 - auc_107:
0.5057 - val_loss: 1.0777 - val_auc_107: 0.5031
Epoch 546/700
267/267 [=====] - 1s 3ms/step - loss: 2.0570 - auc_107:
0.5080 - val_loss: 1.5385 - val_auc_107: 0.5065
Epoch 547/700
267/267 [=====] - 1s 3ms/step - loss: 1.9400 - auc_107:
0.5071 - val_loss: 1.9109 - val_auc_107: 0.5084
Epoch 548/700
267/267 [=====] - 1s 3ms/step - loss: 2.4871 - auc_107:
0.5109 - val_loss: 2.9191 - val_auc_107: 0.5060
Epoch 549/700
267/267 [=====] - 1s 3ms/step - loss: 2.2234 - auc_107:
0.5130 - val_loss: 1.7673 - val_auc_107: 0.5218
Epoch 550/700
267/267 [=====] - 1s 3ms/step - loss: 2.1061 - auc_107:
0.5088 - val_loss: 3.0778 - val_auc_107: 0.5048
Epoch 551/700
267/267 [=====] - 1s 3ms/step - loss: 2.2378 - auc_107:
0.5085 - val_loss: 2.2340 - val_auc_107: 0.5158
Epoch 552/700
267/267 [=====] - 1s 3ms/step - loss: 2.4298 - auc_107:
0.5077 - val_loss: 3.2259 - val_auc_107: 0.5024
Epoch 553/700

267/267 [=====] - 1s 3ms/step - loss: 2.0667 - auc_107:
 0.5110 - val_loss: 1.4281 - val_auc_107: 0.5105
 Epoch 554/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2029 - auc_107:
 0.5096 - val_loss: 3.4529 - val_auc_107: 0.5112
 Epoch 555/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1874 - auc_107:
 0.5102 - val_loss: 2.5534 - val_auc_107: 0.5118
 Epoch 556/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6622 - auc_107:
 0.5099 - val_loss: 1.7829 - val_auc_107: 0.4972
 Epoch 557/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4056 - auc_107:
 0.5071 - val_loss: 3.1280 - val_auc_107: 0.5086
 Epoch 558/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1287 - auc_107:
 0.5056 - val_loss: 2.5348 - val_auc_107: 0.4955
 Epoch 559/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6540 - auc_107:
 0.5062 - val_loss: 3.7215 - val_auc_107: 0.5039
 Epoch 560/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7334 - auc_107:
 0.5093 - val_loss: 1.8334 - val_auc_107: 0.5077
 Epoch 561/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3823 - auc_107:
 0.5065 - val_loss: 2.4976 - val_auc_107: 0.5079
 Epoch 562/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4577 - auc_107:
 0.5051 - val_loss: 2.9153 - val_auc_107: 0.4960
 Epoch 563/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2750 - auc_107:
 0.5095 - val_loss: 1.7941 - val_auc_107: 0.5083
 Epoch 564/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1397 - auc_107:
 0.5074 - val_loss: 2.1997 - val_auc_107: 0.5066
 Epoch 565/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6885 - auc_107:
 0.5101 - val_loss: 3.5078 - val_auc_107: 0.5124
 Epoch 566/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4617 - auc_107:
 0.5066 - val_loss: 1.8409 - val_auc_107: 0.5071
 Epoch 567/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2325 - auc_107:
 0.5074 - val_loss: 1.3973 - val_auc_107: 0.5198
 Epoch 568/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3100 - auc_107:
 0.5102 - val_loss: 2.2686 - val_auc_107: 0.5104
 Epoch 569/700

267/267 [=====] - 1s 3ms/step - loss: 2.0400 - auc_107:
 0.5111 - val_loss: 1.6406 - val_auc_107: 0.5037
 Epoch 570/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1576 - auc_107:
 0.5103 - val_loss: 1.3746 - val_auc_107: 0.5157
 Epoch 571/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1314 - auc_107:
 0.5096 - val_loss: 3.2122 - val_auc_107: 0.5040
 Epoch 572/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3022 - auc_107:
 0.5109 - val_loss: 2.3025 - val_auc_107: 0.5013
 Epoch 573/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0828 - auc_107:
 0.5046 - val_loss: 3.6187 - val_auc_107: 0.5157
 Epoch 574/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3653 - auc_107:
 0.5083 - val_loss: 1.3412 - val_auc_107: 0.5061
 Epoch 575/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4072 - auc_107:
 0.5036 - val_loss: 1.6543 - val_auc_107: 0.5040
 Epoch 576/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1605 - auc_107:
 0.5054 - val_loss: 3.1343 - val_auc_107: 0.4987
 Epoch 577/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7201 - auc_107:
 0.5074 - val_loss: 1.8485 - val_auc_107: 0.5073
 Epoch 578/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1670 - auc_107:
 0.5070 - val_loss: 3.3594 - val_auc_107: 0.5004
 Epoch 579/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6470 - auc_107:
 0.5092 - val_loss: 3.8362 - val_auc_107: 0.5026
 Epoch 580/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1386 - auc_107:
 0.5088 - val_loss: 2.2501 - val_auc_107: 0.5078
 Epoch 581/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3468 - auc_107:
 0.5033 - val_loss: 2.9230 - val_auc_107: 0.4907
 Epoch 582/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1589 - auc_107:
 0.5079 - val_loss: 6.8699 - val_auc_107: 0.5201
 Epoch 583/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4231 - auc_107:
 0.5086 - val_loss: 2.4307 - val_auc_107: 0.5074
 Epoch 584/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6118 - auc_107:
 0.5066 - val_loss: 1.4567 - val_auc_107: 0.5176
 Epoch 585/700

267/267 [=====] - 1s 3ms/step - loss: 2.5049 - auc_107:
0.5095 - val_loss: 1.8101 - val_auc_107: 0.5150
Epoch 586/700
267/267 [=====] - 1s 3ms/step - loss: 2.0473 - auc_107:
0.5106 - val_loss: 2.2504 - val_auc_107: 0.5055
Epoch 587/700
267/267 [=====] - 1s 3ms/step - loss: 2.4336 - auc_107:
0.5091 - val_loss: 2.4512 - val_auc_107: 0.4980
Epoch 588/700
267/267 [=====] - 1s 3ms/step - loss: 2.3720 - auc_107:
0.5089 - val_loss: 3.2444 - val_auc_107: 0.5141
Epoch 589/700
267/267 [=====] - 1s 3ms/step - loss: 2.2533 - auc_107:
0.5080 - val_loss: 4.8296 - val_auc_107: 0.4905
Epoch 590/700
267/267 [=====] - 1s 3ms/step - loss: 2.8710 - auc_107:
0.5090 - val_loss: 2.8739 - val_auc_107: 0.5140
Epoch 591/700
267/267 [=====] - 1s 3ms/step - loss: 2.0149 - auc_107:
0.5083 - val_loss: 1.6730 - val_auc_107: 0.5212
Epoch 592/700
267/267 [=====] - 1s 3ms/step - loss: 2.2128 - auc_107:
0.5062 - val_loss: 1.5952 - val_auc_107: 0.5088
Epoch 593/700
267/267 [=====] - 1s 3ms/step - loss: 2.4482 - auc_107:
0.5077 - val_loss: 3.8953 - val_auc_107: 0.5004
Epoch 594/700
267/267 [=====] - 1s 3ms/step - loss: 2.2610 - auc_107:
0.5097 - val_loss: 1.6497 - val_auc_107: 0.5113
Epoch 595/700
267/267 [=====] - 1s 3ms/step - loss: 2.2962 - auc_107:
0.5110 - val_loss: 3.2111 - val_auc_107: 0.5040
Epoch 596/700
267/267 [=====] - 1s 3ms/step - loss: 2.4303 - auc_107:
0.5093 - val_loss: 2.6722 - val_auc_107: 0.5143
Epoch 597/700
267/267 [=====] - 1s 3ms/step - loss: 2.3274 - auc_107:
0.5045 - val_loss: 3.3874 - val_auc_107: 0.5100
Epoch 598/700
267/267 [=====] - 1s 3ms/step - loss: 2.4620 - auc_107:
0.5063 - val_loss: 1.3403 - val_auc_107: 0.5068
Epoch 599/700
267/267 [=====] - 1s 3ms/step - loss: 2.1358 - auc_107:
0.5074 - val_loss: 2.0159 - val_auc_107: 0.5144
Epoch 600/700
267/267 [=====] - 1s 3ms/step - loss: 2.2343 - auc_107:
0.5050 - val_loss: 4.5602 - val_auc_107: 0.5146
Epoch 601/700

267/267 [=====] - 1s 3ms/step - loss: 2.5028 - auc_107:
0.5073 - val_loss: 2.2070 - val_auc_107: 0.4899
Epoch 602/700
267/267 [=====] - 1s 3ms/step - loss: 2.3604 - auc_107:
0.5125 - val_loss: 1.6830 - val_auc_107: 0.5135
Epoch 603/700
267/267 [=====] - 1s 3ms/step - loss: 2.5242 - auc_107:
0.5082 - val_loss: 3.8830 - val_auc_107: 0.5091
Epoch 604/700
267/267 [=====] - 1s 3ms/step - loss: 2.1092 - auc_107:
0.5091 - val_loss: 1.7659 - val_auc_107: 0.5045
Epoch 605/700
267/267 [=====] - 1s 3ms/step - loss: 2.3173 - auc_107:
0.5050 - val_loss: 2.1645 - val_auc_107: 0.5027
Epoch 606/700
267/267 [=====] - 1s 3ms/step - loss: 2.2502 - auc_107:
0.5129 - val_loss: 1.8713 - val_auc_107: 0.5104
Epoch 607/700
267/267 [=====] - 1s 3ms/step - loss: 2.2632 - auc_107:
0.5079 - val_loss: 4.8324 - val_auc_107: 0.5109
Epoch 608/700
267/267 [=====] - 1s 3ms/step - loss: 2.6732 - auc_107:
0.5089 - val_loss: 1.2609 - val_auc_107: 0.5085
Epoch 609/700
267/267 [=====] - 1s 3ms/step - loss: 2.1279 - auc_107:
0.5084 - val_loss: 1.8131 - val_auc_107: 0.5113
Epoch 610/700
267/267 [=====] - 1s 3ms/step - loss: 2.0916 - auc_107:
0.5050 - val_loss: 2.3494 - val_auc_107: 0.5083
Epoch 611/700
267/267 [=====] - 1s 3ms/step - loss: 2.0354 - auc_107:
0.5100 - val_loss: 1.8500 - val_auc_107: 0.5109
Epoch 612/700
267/267 [=====] - 1s 3ms/step - loss: 2.1387 - auc_107:
0.5088 - val_loss: 1.6920 - val_auc_107: 0.5108
Epoch 613/700
267/267 [=====] - 1s 3ms/step - loss: 2.5375 - auc_107:
0.5090 - val_loss: 3.3086 - val_auc_107: 0.5058
Epoch 614/700
267/267 [=====] - 1s 3ms/step - loss: 2.3516 - auc_107:
0.5099 - val_loss: 2.0157 - val_auc_107: 0.5110
Epoch 615/700
267/267 [=====] - 1s 3ms/step - loss: 2.5078 - auc_107:
0.5076 - val_loss: 2.8690 - val_auc_107: 0.5013
Epoch 616/700
267/267 [=====] - 1s 3ms/step - loss: 2.3459 - auc_107:
0.5082 - val_loss: 2.3284 - val_auc_107: 0.5017
Epoch 617/700

267/267 [=====] - 1s 3ms/step - loss: 2.4129 - auc_107:
 0.5071 - val_loss: 1.2407 - val_auc_107: 0.5051
 Epoch 618/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9666 - auc_107:
 0.5102 - val_loss: 1.8382 - val_auc_107: 0.5122
 Epoch 619/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4190 - auc_107:
 0.5093 - val_loss: 2.9172 - val_auc_107: 0.5119
 Epoch 620/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9845 - auc_107:
 0.5093 - val_loss: 1.7133 - val_auc_107: 0.5063
 Epoch 621/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9060 - auc_107:
 0.5139 - val_loss: 2.2871 - val_auc_107: 0.5088
 Epoch 622/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6800 - auc_107:
 0.5120 - val_loss: 2.3784 - val_auc_107: 0.5144
 Epoch 623/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2886 - auc_107:
 0.5064 - val_loss: 1.6936 - val_auc_107: 0.4930
 Epoch 624/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6508 - auc_107:
 0.5125 - val_loss: 1.7725 - val_auc_107: 0.5153
 Epoch 625/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3696 - auc_107:
 0.5043 - val_loss: 2.2339 - val_auc_107: 0.4939
 Epoch 626/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2160 - auc_107:
 0.5085 - val_loss: 1.9606 - val_auc_107: 0.5124
 Epoch 627/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1910 - auc_107:
 0.5090 - val_loss: 2.5329 - val_auc_107: 0.5050
 Epoch 628/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2190 - auc_107:
 0.5114 - val_loss: 1.5409 - val_auc_107: 0.5128
 Epoch 629/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0929 - auc_107:
 0.5058 - val_loss: 2.2284 - val_auc_107: 0.5157
 Epoch 630/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1550 - auc_107:
 0.5075 - val_loss: 1.8116 - val_auc_107: 0.5097
 Epoch 631/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1527 - auc_107:
 0.5071 - val_loss: 1.8512 - val_auc_107: 0.5020
 Epoch 632/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0601 - auc_107:
 0.5119 - val_loss: 1.2948 - val_auc_107: 0.5104
 Epoch 633/700

267/267 [=====] - 1s 3ms/step - loss: 2.5060 - auc_107:
 0.5087 - val_loss: 1.2744 - val_auc_107: 0.5053
 Epoch 634/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0838 - auc_107:
 0.5116 - val_loss: 2.0438 - val_auc_107: 0.5094
 Epoch 635/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2036 - auc_107:
 0.5098 - val_loss: 1.9689 - val_auc_107: 0.5088
 Epoch 636/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3847 - auc_107:
 0.5075 - val_loss: 4.3077 - val_auc_107: 0.5025
 Epoch 637/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2399 - auc_107:
 0.5056 - val_loss: 4.2064 - val_auc_107: 0.5041
 Epoch 638/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6547 - auc_107:
 0.5121 - val_loss: 2.1296 - val_auc_107: 0.5084
 Epoch 639/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3303 - auc_107:
 0.5073 - val_loss: 1.9047 - val_auc_107: 0.5083
 Epoch 640/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4953 - auc_107:
 0.5076 - val_loss: 1.4028 - val_auc_107: 0.5195
 Epoch 641/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9986 - auc_107:
 0.5079 - val_loss: 1.8761 - val_auc_107: 0.5168
 Epoch 642/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2031 - auc_107:
 0.5117 - val_loss: 1.8681 - val_auc_107: 0.5129
 Epoch 643/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4302 - auc_107:
 0.5071 - val_loss: 3.5423 - val_auc_107: 0.5001
 Epoch 644/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4341 - auc_107:
 0.5116 - val_loss: 2.3516 - val_auc_107: 0.5017
 Epoch 645/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1219 - auc_107:
 0.5054 - val_loss: 1.7783 - val_auc_107: 0.5100
 Epoch 646/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9277 - auc_107:
 0.5078 - val_loss: 1.6072 - val_auc_107: 0.5058
 Epoch 647/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1291 - auc_107:
 0.5069 - val_loss: 1.4961 - val_auc_107: 0.5007
 Epoch 648/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5798 - auc_107:
 0.5093 - val_loss: 2.0773 - val_auc_107: 0.4988
 Epoch 649/700

267/267 [=====] - 1s 3ms/step - loss: 2.1406 - auc_107:
 0.5071 - val_loss: 1.7138 - val_auc_107: 0.5073
 Epoch 650/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0166 - auc_107:
 0.5076 - val_loss: 2.0837 - val_auc_107: 0.5142
 Epoch 651/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1153 - auc_107:
 0.5057 - val_loss: 1.3731 - val_auc_107: 0.5122
 Epoch 652/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0857 - auc_107:
 0.5082 - val_loss: 1.7942 - val_auc_107: 0.5092
 Epoch 653/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0446 - auc_107:
 0.5051 - val_loss: 2.2947 - val_auc_107: 0.5053
 Epoch 654/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3057 - auc_107:
 0.5092 - val_loss: 3.1115 - val_auc_107: 0.5030
 Epoch 655/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2553 - auc_107:
 0.5094 - val_loss: 2.0447 - val_auc_107: 0.5208
 Epoch 656/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0173 - auc_107:
 0.5102 - val_loss: 3.9666 - val_auc_107: 0.5084
 Epoch 657/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6191 - auc_107:
 0.5065 - val_loss: 3.3505 - val_auc_107: 0.5163
 Epoch 658/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0339 - auc_107:
 0.5133 - val_loss: 2.0126 - val_auc_107: 0.5074
 Epoch 659/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4224 - auc_107:
 0.5089 - val_loss: 1.3292 - val_auc_107: 0.4979
 Epoch 660/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6275 - auc_107:
 0.5061 - val_loss: 2.2539 - val_auc_107: 0.5055
 Epoch 661/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6478 - auc_107:
 0.5085 - val_loss: 2.1158 - val_auc_107: 0.4898
 Epoch 662/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1883 - auc_107:
 0.5083 - val_loss: 2.8204 - val_auc_107: 0.5022
 Epoch 663/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3575 - auc_107:
 0.5111 - val_loss: 2.0523 - val_auc_107: 0.5031
 Epoch 664/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3352 - auc_107:
 0.5109 - val_loss: 2.8574 - val_auc_107: 0.5083
 Epoch 665/700

267/267 [=====] - 1s 3ms/step - loss: 2.5493 - auc_107:
 0.5084 - val_loss: 2.1935 - val_auc_107: 0.5209
 Epoch 666/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9172 - auc_107:
 0.5079 - val_loss: 1.8439 - val_auc_107: 0.5062
 Epoch 667/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5584 - auc_107:
 0.5067 - val_loss: 1.5549 - val_auc_107: 0.5051
 Epoch 668/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4569 - auc_107:
 0.5046 - val_loss: 2.7398 - val_auc_107: 0.5012
 Epoch 669/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3928 - auc_107:
 0.5080 - val_loss: 3.7749 - val_auc_107: 0.5057
 Epoch 670/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4688 - auc_107:
 0.5091 - val_loss: 1.8871 - val_auc_107: 0.4979
 Epoch 671/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0765 - auc_107:
 0.5095 - val_loss: 2.2670 - val_auc_107: 0.5139
 Epoch 672/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3538 - auc_107:
 0.5100 - val_loss: 1.9873 - val_auc_107: 0.5114
 Epoch 673/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1884 - auc_107:
 0.5060 - val_loss: 1.4603 - val_auc_107: 0.4951
 Epoch 674/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7238 - auc_107:
 0.5078 - val_loss: 2.2350 - val_auc_107: 0.5186
 Epoch 675/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1811 - auc_107:
 0.5112 - val_loss: 3.9592 - val_auc_107: 0.5129
 Epoch 676/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6147 - auc_107:
 0.5107 - val_loss: 3.6294 - val_auc_107: 0.4970
 Epoch 677/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3625 - auc_107:
 0.5097 - val_loss: 2.7835 - val_auc_107: 0.5081
 Epoch 678/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3745 - auc_107:
 0.5053 - val_loss: 1.6376 - val_auc_107: 0.5103
 Epoch 679/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1829 - auc_107:
 0.5110 - val_loss: 1.9374 - val_auc_107: 0.5105
 Epoch 680/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7557 - auc_107:
 0.5068 - val_loss: 1.2055 - val_auc_107: 0.5070
 Epoch 681/700

267/267 [=====] - 1s 3ms/step - loss: 2.2530 - auc_107:
 0.5075 - val_loss: 1.2203 - val_auc_107: 0.5101
 Epoch 682/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5105 - auc_107:
 0.5070 - val_loss: 1.3035 - val_auc_107: 0.4973
 Epoch 683/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5907 - auc_107:
 0.5085 - val_loss: 1.8013 - val_auc_107: 0.5056
 Epoch 684/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3276 - auc_107:
 0.5082 - val_loss: 2.6037 - val_auc_107: 0.5194
 Epoch 685/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9230 - auc_107:
 0.5078 - val_loss: 2.1313 - val_auc_107: 0.4922
 Epoch 686/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2318 - auc_107:
 0.5098 - val_loss: 1.0758 - val_auc_107: 0.5130
 Epoch 687/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5700 - auc_107:
 0.5087 - val_loss: 1.4961 - val_auc_107: 0.5089
 Epoch 688/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1668 - auc_107:
 0.5120 - val_loss: 1.7804 - val_auc_107: 0.5053
 Epoch 689/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0407 - auc_107:
 0.5091 - val_loss: 1.7240 - val_auc_107: 0.5180
 Epoch 690/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3490 - auc_107:
 0.5086 - val_loss: 1.7521 - val_auc_107: 0.5113
 Epoch 691/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4139 - auc_107:
 0.5050 - val_loss: 2.2282 - val_auc_107: 0.5077
 Epoch 692/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5593 - auc_107:
 0.5085 - val_loss: 2.6755 - val_auc_107: 0.5060
 Epoch 693/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5736 - auc_107:
 0.5113 - val_loss: 2.9164 - val_auc_107: 0.5058
 Epoch 694/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2330 - auc_107:
 0.5071 - val_loss: 1.9285 - val_auc_107: 0.5090
 Epoch 695/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3659 - auc_107:
 0.5081 - val_loss: 1.5252 - val_auc_107: 0.5085
 Epoch 696/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1253 - auc_107:
 0.5086 - val_loss: 2.8478 - val_auc_107: 0.5076
 Epoch 697/700

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267/267 [=====] - 1s 3ms/step - loss: 2.7064 - auc_107:
0.5085 - val_loss: 2.5367 - val_auc_107: 0.5035
Epoch 698/700
267/267 [=====] - 1s 3ms/step - loss: 2.4939 - auc_107:
0.5077 - val_loss: 1.9411 - val_auc_107: 0.5108
Epoch 699/700
267/267 [=====] - 1s 3ms/step - loss: 2.4142 - auc_107:
0.5099 - val_loss: 1.5939 - val_auc_107: 0.5100
Epoch 700/700
267/267 [=====] - 1s 3ms/step - loss: 2.6372 - auc_107:
0.5044 - val_loss: 2.4386 - val_auc_107: 0.5148
625/625 [=====] - 0s 556us/step
[CV] ... epochs=700, learning_rate=0.01, score=0.509, total= 8.9min
[CV] epochs=700, learning_rate=0.01 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 4.2294 - auc_108:
0.5044 - val_loss: 2.0321 - val_auc_108: 0.5051
Epoch 2/700
267/267 [=====] - 1s 3ms/step - loss: 2.3720 - auc_108:
0.5019 - val_loss: 1.9765 - val_auc_108: 0.5090
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 2.6242 - auc_108:
0.5029 - val_loss: 1.3581 - val_auc_108: 0.5018
Epoch 4/700
267/267 [=====] - 1s 3ms/step - loss: 2.7377 - auc_108:
0.5033 - val_loss: 1.8355 - val_auc_108: 0.5100
Epoch 5/700
267/267 [=====] - 1s 3ms/step - loss: 2.1913 - auc_108:
0.5037 - val_loss: 3.0328 - val_auc_108: 0.5135
Epoch 6/700
267/267 [=====] - 1s 3ms/step - loss: 2.6489 - auc_108:
0.5052 - val_loss: 2.9981 - val_auc_108: 0.5047
Epoch 7/700
267/267 [=====] - 1s 3ms/step - loss: 2.4584 - auc_108:
0.5022 - val_loss: 2.5184 - val_auc_108: 0.5098
Epoch 8/700
267/267 [=====] - 1s 3ms/step - loss: 2.2302 - auc_108:
0.5038 - val_loss: 1.0490 - val_auc_108: 0.5049
Epoch 9/700
267/267 [=====] - 1s 3ms/step - loss: 2.4983 - auc_108:
0.5013 - val_loss: 5.0072 - val_auc_108: 0.5037
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 2.5306 - auc_108:
0.5039 - val_loss: 2.1646 - val_auc_108: 0.5111
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 2.2393 - auc_108:
0.4998 - val_loss: 1.4524 - val_auc_108: 0.5020
Epoch 12/700

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267/267 [=====] - 1s 3ms/step - loss: 2.6076 - auc_108:
 0.5022 - val_loss: 2.7982 - val_auc_108: 0.5044
 Epoch 13/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2747 - auc_108:
 0.5033 - val_loss: 1.9761 - val_auc_108: 0.5065
 Epoch 14/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0457 - auc_108:
 0.5036 - val_loss: 5.3578 - val_auc_108: 0.4995
 Epoch 15/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4237 - auc_108:
 0.5041 - val_loss: 3.1833 - val_auc_108: 0.5136
 Epoch 16/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4826 - auc_108:
 0.5055 - val_loss: 3.5164 - val_auc_108: 0.5163
 Epoch 17/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4192 - auc_108:
 0.5034 - val_loss: 3.3575 - val_auc_108: 0.5041
 Epoch 18/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1389 - auc_108:
 0.5075 - val_loss: 2.8685 - val_auc_108: 0.5082
 Epoch 19/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4196 - auc_108:
 0.5077 - val_loss: 4.0541 - val_auc_108: 0.5041
 Epoch 20/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2584 - auc_108:
 0.5056 - val_loss: 1.8492 - val_auc_108: 0.5059
 Epoch 21/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6367 - auc_108:
 0.5031 - val_loss: 2.0005 - val_auc_108: 0.4969
 Epoch 22/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4227 - auc_108:
 0.5069 - val_loss: 1.8137 - val_auc_108: 0.5107
 Epoch 23/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8020 - auc_108:
 0.5057 - val_loss: 1.9104 - val_auc_108: 0.5096
 Epoch 24/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5077 - auc_108:
 0.5036 - val_loss: 1.3656 - val_auc_108: 0.5059
 Epoch 25/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2448 - auc_108:
 0.5060 - val_loss: 1.7098 - val_auc_108: 0.4935
 Epoch 26/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1236 - auc_108:
 0.5039 - val_loss: 2.3737 - val_auc_108: 0.5104
 Epoch 27/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2624 - auc_108:
 0.5060 - val_loss: 1.8600 - val_auc_108: 0.5031
 Epoch 28/700

267/267 [=====] - 1s 3ms/step - loss: 2.3545 - auc_108:
 0.5070 - val_loss: 3.1530 - val_auc_108: 0.4994
 Epoch 29/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4265 - auc_108:
 0.5066 - val_loss: 5.0492 - val_auc_108: 0.5085
 Epoch 30/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4008 - auc_108:
 0.5096 - val_loss: 3.0890 - val_auc_108: 0.5136
 Epoch 31/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1628 - auc_108:
 0.5033 - val_loss: 1.7791 - val_auc_108: 0.5086
 Epoch 32/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6296 - auc_108:
 0.5052 - val_loss: 3.3465 - val_auc_108: 0.5065
 Epoch 33/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4533 - auc_108:
 0.5075 - val_loss: 1.8502 - val_auc_108: 0.5119
 Epoch 34/700
 267/267 [=====] - 1s 3ms/step - loss: 1.7679 - auc_108:
 0.5101 - val_loss: 2.2928 - val_auc_108: 0.5102
 Epoch 35/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2317 - auc_108:
 0.5061 - val_loss: 1.3356 - val_auc_108: 0.5114
 Epoch 36/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4142 - auc_108:
 0.5077 - val_loss: 2.5010 - val_auc_108: 0.5111
 Epoch 37/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0541 - auc_108:
 0.5055 - val_loss: 3.1690 - val_auc_108: 0.5197
 Epoch 38/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8675 - auc_108:
 0.5068 - val_loss: 4.8623 - val_auc_108: 0.5123
 Epoch 39/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0563 - auc_108:
 0.5076 - val_loss: 3.2197 - val_auc_108: 0.5008
 Epoch 40/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2522 - auc_108:
 0.5082 - val_loss: 2.8399 - val_auc_108: 0.4980
 Epoch 41/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1665 - auc_108:
 0.5083 - val_loss: 1.4962 - val_auc_108: 0.5106
 Epoch 42/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2129 - auc_108:
 0.5058 - val_loss: 1.5007 - val_auc_108: 0.5123
 Epoch 43/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3273 - auc_108:
 0.5066 - val_loss: 1.8696 - val_auc_108: 0.5074
 Epoch 44/700

267/267 [=====] - 1s 3ms/step - loss: 2.1419 - auc_108:
0.5095 - val_loss: 5.3378 - val_auc_108: 0.5095
Epoch 45/700
267/267 [=====] - 1s 3ms/step - loss: 2.7289 - auc_108:
0.5041 - val_loss: 4.8671 - val_auc_108: 0.5145
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 2.3525 - auc_108:
0.5048 - val_loss: 2.1753 - val_auc_108: 0.4962
Epoch 47/700
267/267 [=====] - 1s 3ms/step - loss: 2.3138 - auc_108:
0.5057 - val_loss: 2.2227 - val_auc_108: 0.5078
Epoch 48/700
267/267 [=====] - 1s 3ms/step - loss: 2.2396 - auc_108:
0.5043 - val_loss: 1.3378 - val_auc_108: 0.5082
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 2.7077 - auc_108:
0.5061 - val_loss: 2.1607 - val_auc_108: 0.5141
Epoch 50/700
267/267 [=====] - 1s 3ms/step - loss: 2.3632 - auc_108:
0.5052 - val_loss: 2.1385 - val_auc_108: 0.5037
Epoch 51/700
267/267 [=====] - 1s 3ms/step - loss: 1.9355 - auc_108:
0.5053 - val_loss: 1.7006 - val_auc_108: 0.5105
Epoch 52/700
267/267 [=====] - 1s 3ms/step - loss: 2.0140 - auc_108:
0.5060 - val_loss: 2.7704 - val_auc_108: 0.5168
Epoch 53/700
267/267 [=====] - 1s 3ms/step - loss: 2.0112 - auc_108:
0.5087 - val_loss: 1.3379 - val_auc_108: 0.5070
Epoch 54/700
267/267 [=====] - 1s 3ms/step - loss: 2.0840 - auc_108:
0.5084 - val_loss: 0.9965 - val_auc_108: 0.5058
Epoch 55/700
267/267 [=====] - 1s 3ms/step - loss: 2.3028 - auc_108:
0.5081 - val_loss: 1.8419 - val_auc_108: 0.5063
Epoch 56/700
267/267 [=====] - 1s 3ms/step - loss: 2.1070 - auc_108:
0.5086 - val_loss: 2.4924 - val_auc_108: 0.5105
Epoch 57/700
267/267 [=====] - 1s 3ms/step - loss: 2.5659 - auc_108:
0.5030 - val_loss: 1.3249 - val_auc_108: 0.5066
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 2.3960 - auc_108:
0.5063 - val_loss: 1.4695 - val_auc_108: 0.5046
Epoch 59/700
267/267 [=====] - 1s 3ms/step - loss: 2.1696 - auc_108:
0.5058 - val_loss: 3.9140 - val_auc_108: 0.5049
Epoch 60/700

267/267 [=====] - 1s 3ms/step - loss: 2.5366 - auc_108:
0.5019 - val_loss: 1.9931 - val_auc_108: 0.5123
Epoch 61/700
267/267 [=====] - 1s 3ms/step - loss: 2.1792 - auc_108:
0.5080 - val_loss: 1.2352 - val_auc_108: 0.5126
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 2.3410 - auc_108:
0.5030 - val_loss: 3.0455 - val_auc_108: 0.4981
Epoch 63/700
267/267 [=====] - 1s 3ms/step - loss: 2.3219 - auc_108:
0.5020 - val_loss: 4.1000 - val_auc_108: 0.5051
Epoch 64/700
267/267 [=====] - 1s 3ms/step - loss: 2.4609 - auc_108:
0.5075 - val_loss: 2.8785 - val_auc_108: 0.5098
Epoch 65/700
267/267 [=====] - 1s 3ms/step - loss: 2.3096 - auc_108:
0.5091 - val_loss: 3.3097 - val_auc_108: 0.5100
Epoch 66/700
267/267 [=====] - 1s 3ms/step - loss: 2.3315 - auc_108:
0.5085 - val_loss: 2.3864 - val_auc_108: 0.5104
Epoch 67/700
267/267 [=====] - 1s 3ms/step - loss: 2.7320 - auc_108:
0.5064 - val_loss: 2.2014 - val_auc_108: 0.5150
Epoch 68/700
267/267 [=====] - 1s 3ms/step - loss: 2.3138 - auc_108:
0.5083 - val_loss: 1.1778 - val_auc_108: 0.5086
Epoch 69/700
267/267 [=====] - 1s 3ms/step - loss: 2.3703 - auc_108:
0.5061 - val_loss: 1.5206 - val_auc_108: 0.4985
Epoch 70/700
267/267 [=====] - 1s 3ms/step - loss: 2.1742 - auc_108:
0.5044 - val_loss: 2.2760 - val_auc_108: 0.5099
Epoch 71/700
267/267 [=====] - 1s 3ms/step - loss: 2.1653 - auc_108:
0.5103 - val_loss: 3.3535 - val_auc_108: 0.5033
Epoch 72/700
267/267 [=====] - 1s 3ms/step - loss: 2.4480 - auc_108:
0.5065 - val_loss: 1.7023 - val_auc_108: 0.5080
Epoch 73/700
267/267 [=====] - 1s 3ms/step - loss: 2.3457 - auc_108:
0.5066 - val_loss: 2.8864 - val_auc_108: 0.5150
Epoch 74/700
267/267 [=====] - 1s 3ms/step - loss: 2.6309 - auc_108:
0.5065 - val_loss: 3.4993 - val_auc_108: 0.5089
Epoch 75/700
267/267 [=====] - 1s 3ms/step - loss: 2.7609 - auc_108:
0.5081 - val_loss: 1.9919 - val_auc_108: 0.5190
Epoch 76/700

267/267 [=====] - 1s 3ms/step - loss: 2.3981 - auc_108:
0.5085 - val_loss: 3.0547 - val_auc_108: 0.5071
Epoch 77/700
267/267 [=====] - 1s 3ms/step - loss: 2.3714 - auc_108:
0.5072 - val_loss: 2.5115 - val_auc_108: 0.5054
Epoch 78/700
267/267 [=====] - 1s 3ms/step - loss: 2.3996 - auc_108:
0.5080 - val_loss: 2.7428 - val_auc_108: 0.4947
Epoch 79/700
267/267 [=====] - 1s 3ms/step - loss: 2.7222 - auc_108:
0.5044 - val_loss: 1.4422 - val_auc_108: 0.4925
Epoch 80/700
267/267 [=====] - 1s 3ms/step - loss: 2.2195 - auc_108:
0.5095 - val_loss: 1.4124 - val_auc_108: 0.5154
Epoch 81/700
267/267 [=====] - 1s 3ms/step - loss: 2.4441 - auc_108:
0.5066 - val_loss: 2.2208 - val_auc_108: 0.5204
Epoch 82/700
267/267 [=====] - 1s 3ms/step - loss: 2.2314 - auc_108:
0.5064 - val_loss: 1.6626 - val_auc_108: 0.5022
Epoch 83/700
267/267 [=====] - 1s 3ms/step - loss: 2.3003 - auc_108:
0.5071 - val_loss: 2.0296 - val_auc_108: 0.5118
Epoch 84/700
267/267 [=====] - 1s 3ms/step - loss: 1.9291 - auc_108:
0.5098 - val_loss: 3.8441 - val_auc_108: 0.5133
Epoch 85/700
267/267 [=====] - 1s 3ms/step - loss: 2.4930 - auc_108:
0.5091 - val_loss: 3.9365 - val_auc_108: 0.5167
Epoch 86/700
267/267 [=====] - 1s 3ms/step - loss: 2.1908 - auc_108:
0.5044 - val_loss: 1.6978 - val_auc_108: 0.5046
Epoch 87/700
267/267 [=====] - 1s 3ms/step - loss: 2.7221 - auc_108:
0.5049 - val_loss: 0.9636 - val_auc_108: 0.5013
Epoch 88/700
267/267 [=====] - 1s 3ms/step - loss: 2.3417 - auc_108:
0.5044 - val_loss: 2.5832 - val_auc_108: 0.5120
Epoch 89/700
267/267 [=====] - 1s 3ms/step - loss: 2.3976 - auc_108:
0.5108 - val_loss: 1.9254 - val_auc_108: 0.4912
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 2.2040 - auc_108:
0.5070 - val_loss: 2.2657 - val_auc_108: 0.4936
Epoch 91/700
267/267 [=====] - 1s 3ms/step - loss: 2.3765 - auc_108:
0.5081 - val_loss: 4.1465 - val_auc_108: 0.5112
Epoch 92/700

267/267 [=====] - 1s 3ms/step - loss: 2.0413 - auc_108:
 0.5067 - val_loss: 2.0745 - val_auc_108: 0.5120
 Epoch 93/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7295 - auc_108:
 0.5082 - val_loss: 1.9432 - val_auc_108: 0.5061
 Epoch 94/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5477 - auc_108:
 0.5060 - val_loss: 2.0818 - val_auc_108: 0.4995
 Epoch 95/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4508 - auc_108:
 0.5045 - val_loss: 1.5605 - val_auc_108: 0.4991
 Epoch 96/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1588 - auc_108:
 0.5058 - val_loss: 1.8957 - val_auc_108: 0.4954
 Epoch 97/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1437 - auc_108:
 0.5057 - val_loss: 2.3079 - val_auc_108: 0.5062
 Epoch 98/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4062 - auc_108:
 0.5074 - val_loss: 2.3182 - val_auc_108: 0.5009
 Epoch 99/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4088 - auc_108:
 0.5065 - val_loss: 2.3208 - val_auc_108: 0.5021
 Epoch 100/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1374 - auc_108:
 0.5086 - val_loss: 3.4290 - val_auc_108: 0.5131
 Epoch 101/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4337 - auc_108:
 0.5080 - val_loss: 2.7067 - val_auc_108: 0.5172
 Epoch 102/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7755 - auc_108:
 0.5105 - val_loss: 1.5491 - val_auc_108: 0.5011
 Epoch 103/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6241 - auc_108:
 0.5042 - val_loss: 2.6214 - val_auc_108: 0.5110
 Epoch 104/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4172 - auc_108:
 0.5055 - val_loss: 1.9537 - val_auc_108: 0.4909
 Epoch 105/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1132 - auc_108:
 0.5058 - val_loss: 2.1825 - val_auc_108: 0.4989
 Epoch 106/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3725 - auc_108:
 0.5058 - val_loss: 1.8795 - val_auc_108: 0.4898
 Epoch 107/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3050 - auc_108:
 0.5070 - val_loss: 1.8648 - val_auc_108: 0.5123
 Epoch 108/700

267/267 [=====] - 1s 3ms/step - loss: 2.0609 - auc_108:
 0.5088 - val_loss: 2.5064 - val_auc_108: 0.5089
 Epoch 109/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0085 - auc_108:
 0.5052 - val_loss: 2.6151 - val_auc_108: 0.5063
 Epoch 110/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6960 - auc_108:
 0.5083 - val_loss: 4.5605 - val_auc_108: 0.5116
 Epoch 111/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7398 - auc_108:
 0.5098 - val_loss: 1.6559 - val_auc_108: 0.5062
 Epoch 112/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2881 - auc_108:
 0.5070 - val_loss: 3.5725 - val_auc_108: 0.5103
 Epoch 113/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1780 - auc_108:
 0.5056 - val_loss: 3.1844 - val_auc_108: 0.5090
 Epoch 114/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1034 - auc_108:
 0.5052 - val_loss: 1.2846 - val_auc_108: 0.5013
 Epoch 115/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6500 - auc_108:
 0.5056 - val_loss: 2.2931 - val_auc_108: 0.5056
 Epoch 116/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8084 - auc_108:
 0.5057 - val_loss: 2.5246 - val_auc_108: 0.5141
 Epoch 117/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2405 - auc_108:
 0.5066 - val_loss: 2.5607 - val_auc_108: 0.5186
 Epoch 118/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0156 - auc_108:
 0.5080 - val_loss: 2.3798 - val_auc_108: 0.5080
 Epoch 119/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1640 - auc_108:
 0.5066 - val_loss: 2.3941 - val_auc_108: 0.5138
 Epoch 120/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1287 - auc_108:
 0.5130 - val_loss: 1.3866 - val_auc_108: 0.5101
 Epoch 121/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5593 - auc_108:
 0.5062 - val_loss: 1.6295 - val_auc_108: 0.5136
 Epoch 122/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3471 - auc_108:
 0.5048 - val_loss: 2.3290 - val_auc_108: 0.5066
 Epoch 123/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7040 - auc_108:
 0.5057 - val_loss: 1.8042 - val_auc_108: 0.4977
 Epoch 124/700

267/267 [=====] - 1s 3ms/step - loss: 2.4034 - auc_108:
 0.5060 - val_loss: 2.7091 - val_auc_108: 0.5151
 Epoch 125/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3742 - auc_108:
 0.5102 - val_loss: 2.9470 - val_auc_108: 0.4962
 Epoch 126/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2690 - auc_108:
 0.5054 - val_loss: 3.1011 - val_auc_108: 0.4971
 Epoch 127/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0500 - auc_108:
 0.5101 - val_loss: 1.8358 - val_auc_108: 0.5087
 Epoch 128/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4469 - auc_108:
 0.5089 - val_loss: 1.7799 - val_auc_108: 0.5144
 Epoch 129/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3487 - auc_108:
 0.5100 - val_loss: 2.9656 - val_auc_108: 0.5067
 Epoch 130/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6297 - auc_108:
 0.5040 - val_loss: 2.3162 - val_auc_108: 0.5168
 Epoch 131/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3643 - auc_108:
 0.5107 - val_loss: 4.9403 - val_auc_108: 0.4925
 Epoch 132/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7003 - auc_108:
 0.5065 - val_loss: 1.3043 - val_auc_108: 0.5121
 Epoch 133/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2936 - auc_108:
 0.5033 - val_loss: 1.8517 - val_auc_108: 0.5039
 Epoch 134/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2963 - auc_108:
 0.5082 - val_loss: 2.6009 - val_auc_108: 0.5017
 Epoch 135/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3031 - auc_108:
 0.5103 - val_loss: 3.8846 - val_auc_108: 0.5140
 Epoch 136/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3753 - auc_108:
 0.5047 - val_loss: 2.9471 - val_auc_108: 0.5006
 Epoch 137/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2480 - auc_108:
 0.5110 - val_loss: 2.0718 - val_auc_108: 0.5112
 Epoch 138/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3354 - auc_108:
 0.5103 - val_loss: 1.6064 - val_auc_108: 0.5199
 Epoch 139/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3253 - auc_108:
 0.5083 - val_loss: 4.2221 - val_auc_108: 0.5051
 Epoch 140/700

267/267 [=====] - 1s 3ms/step - loss: 2.4011 - auc_108:
 0.5081 - val_loss: 1.6772 - val_auc_108: 0.5128
 Epoch 141/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3042 - auc_108:
 0.5049 - val_loss: 1.9695 - val_auc_108: 0.5199
 Epoch 142/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5195 - auc_108:
 0.5072 - val_loss: 7.5063 - val_auc_108: 0.5024
 Epoch 143/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7440 - auc_108:
 0.5080 - val_loss: 2.6540 - val_auc_108: 0.5110
 Epoch 144/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2675 - auc_108:
 0.5053 - val_loss: 2.8440 - val_auc_108: 0.5018
 Epoch 145/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2433 - auc_108:
 0.5057 - val_loss: 3.4891 - val_auc_108: 0.5026
 Epoch 146/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5119 - auc_108:
 0.5082 - val_loss: 1.5292 - val_auc_108: 0.4992
 Epoch 147/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1348 - auc_108:
 0.5082 - val_loss: 2.6202 - val_auc_108: 0.5113
 Epoch 148/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3750 - auc_108:
 0.5073 - val_loss: 1.3084 - val_auc_108: 0.4949
 Epoch 149/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2271 - auc_108:
 0.5072 - val_loss: 1.8729 - val_auc_108: 0.4937
 Epoch 150/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2789 - auc_108:
 0.5053 - val_loss: 2.5465 - val_auc_108: 0.5140
 Epoch 151/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7653 - auc_108:
 0.5085 - val_loss: 2.6301 - val_auc_108: 0.5083
 Epoch 152/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7285 - auc_108:
 0.5086 - val_loss: 1.1945 - val_auc_108: 0.5141
 Epoch 153/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2716 - auc_108:
 0.5080 - val_loss: 1.1322 - val_auc_108: 0.5141
 Epoch 154/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4275 - auc_108:
 0.5075 - val_loss: 1.0652 - val_auc_108: 0.4998
 Epoch 155/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9277 - auc_108:
 0.5097 - val_loss: 1.3804 - val_auc_108: 0.5118
 Epoch 156/700

267/267 [=====] - 1s 3ms/step - loss: 2.2521 - auc_108:
 0.5048 - val_loss: 1.8867 - val_auc_108: 0.5081
 Epoch 157/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4383 - auc_108:
 0.5073 - val_loss: 2.0744 - val_auc_108: 0.4991
 Epoch 158/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3504 - auc_108:
 0.5054 - val_loss: 3.4290 - val_auc_108: 0.5064
 Epoch 159/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4060 - auc_108:
 0.5057 - val_loss: 2.6473 - val_auc_108: 0.5055
 Epoch 160/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3226 - auc_108:
 0.5077 - val_loss: 5.2812 - val_auc_108: 0.5181
 Epoch 161/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5174 - auc_108:
 0.5088 - val_loss: 2.3888 - val_auc_108: 0.5079
 Epoch 162/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3676 - auc_108:
 0.5112 - val_loss: 1.4289 - val_auc_108: 0.5043
 Epoch 163/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4282 - auc_108:
 0.5075 - val_loss: 2.9130 - val_auc_108: 0.5085
 Epoch 164/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5013 - auc_108:
 0.5089 - val_loss: 2.5414 - val_auc_108: 0.5030
 Epoch 165/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6539 - auc_108:
 0.5081 - val_loss: 3.7487 - val_auc_108: 0.4857
 Epoch 166/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6425 - auc_108:
 0.5060 - val_loss: 3.8761 - val_auc_108: 0.4921
 Epoch 167/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2318 - auc_108:
 0.5042 - val_loss: 1.8526 - val_auc_108: 0.5113
 Epoch 168/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4092 - auc_108:
 0.5055 - val_loss: 1.6252 - val_auc_108: 0.5038
 Epoch 169/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2086 - auc_108:
 0.5082 - val_loss: 2.5518 - val_auc_108: 0.4935
 Epoch 170/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3500 - auc_108:
 0.5095 - val_loss: 4.2337 - val_auc_108: 0.5063
 Epoch 171/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3015 - auc_108:
 0.5069 - val_loss: 2.5628 - val_auc_108: 0.5072
 Epoch 172/700

267/267 [=====] - 1s 3ms/step - loss: 2.3015 - auc_108:
0.5077 - val_loss: 4.0681 - val_auc_108: 0.5129
Epoch 173/700
267/267 [=====] - 1s 3ms/step - loss: 2.1553 - auc_108:
0.5066 - val_loss: 3.7177 - val_auc_108: 0.5090
Epoch 174/700
267/267 [=====] - 1s 3ms/step - loss: 2.5379 - auc_108:
0.5080 - val_loss: 1.2715 - val_auc_108: 0.5139
Epoch 175/700
267/267 [=====] - 1s 3ms/step - loss: 2.3848 - auc_108:
0.5075 - val_loss: 2.1441 - val_auc_108: 0.5081
Epoch 176/700
267/267 [=====] - 1s 3ms/step - loss: 2.5277 - auc_108:
0.5118 - val_loss: 3.1059 - val_auc_108: 0.5044
Epoch 177/700
267/267 [=====] - 1s 3ms/step - loss: 2.1913 - auc_108:
0.5062 - val_loss: 1.5547 - val_auc_108: 0.4939
Epoch 178/700
267/267 [=====] - 1s 3ms/step - loss: 2.2150 - auc_108:
0.5065 - val_loss: 3.2275 - val_auc_108: 0.5132
Epoch 179/700
267/267 [=====] - 1s 3ms/step - loss: 2.6994 - auc_108:
0.5081 - val_loss: 2.7349 - val_auc_108: 0.4992
Epoch 180/700
267/267 [=====] - 1s 3ms/step - loss: 2.3403 - auc_108:
0.5086 - val_loss: 2.3795 - val_auc_108: 0.4963
Epoch 181/700
267/267 [=====] - 1s 3ms/step - loss: 2.5999 - auc_108:
0.5054 - val_loss: 1.7649 - val_auc_108: 0.5025
Epoch 182/700
267/267 [=====] - 1s 3ms/step - loss: 2.2809 - auc_108:
0.5080 - val_loss: 2.0561 - val_auc_108: 0.5103
Epoch 183/700
267/267 [=====] - 1s 3ms/step - loss: 2.1153 - auc_108:
0.5091 - val_loss: 4.3898 - val_auc_108: 0.4985
Epoch 184/700
267/267 [=====] - 1s 3ms/step - loss: 2.0955 - auc_108:
0.5059 - val_loss: 2.3849 - val_auc_108: 0.5105
Epoch 185/700
267/267 [=====] - 1s 3ms/step - loss: 2.1427 - auc_108:
0.5078 - val_loss: 1.9962 - val_auc_108: 0.5111
Epoch 186/700
267/267 [=====] - 1s 3ms/step - loss: 2.3878 - auc_108:
0.5069 - val_loss: 2.7920 - val_auc_108: 0.4982
Epoch 187/700
267/267 [=====] - 1s 3ms/step - loss: 2.0478 - auc_108:
0.5084 - val_loss: 1.8102 - val_auc_108: 0.4999
Epoch 188/700

267/267 [=====] - 1s 3ms/step - loss: 2.0832 - auc_108:
 0.5079 - val_loss: 3.3198 - val_auc_108: 0.5003
 Epoch 189/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2949 - auc_108:
 0.5070 - val_loss: 2.3068 - val_auc_108: 0.4908
 Epoch 190/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7129 - auc_108:
 0.5052 - val_loss: 2.6676 - val_auc_108: 0.5106
 Epoch 191/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2720 - auc_108:
 0.5078 - val_loss: 2.8954 - val_auc_108: 0.5047
 Epoch 192/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5123 - auc_108:
 0.5079 - val_loss: 1.9822 - val_auc_108: 0.5079
 Epoch 193/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2883 - auc_108:
 0.5042 - val_loss: 2.3290 - val_auc_108: 0.4969
 Epoch 194/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2714 - auc_108:
 0.5064 - val_loss: 1.8002 - val_auc_108: 0.5078
 Epoch 195/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3780 - auc_108:
 0.5075 - val_loss: 2.6225 - val_auc_108: 0.5151
 Epoch 196/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7108 - auc_108:
 0.5043 - val_loss: 1.1414 - val_auc_108: 0.4977
 Epoch 197/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0942 - auc_108:
 0.5052 - val_loss: 3.1434 - val_auc_108: 0.5099
 Epoch 198/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2301 - auc_108:
 0.5090 - val_loss: 2.8182 - val_auc_108: 0.5021
 Epoch 199/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2446 - auc_108:
 0.5027 - val_loss: 2.5549 - val_auc_108: 0.4950
 Epoch 200/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4889 - auc_108:
 0.5074 - val_loss: 1.7240 - val_auc_108: 0.5108
 Epoch 201/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2976 - auc_108:
 0.5068 - val_loss: 4.1094 - val_auc_108: 0.4965
 Epoch 202/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4156 - auc_108:
 0.5055 - val_loss: 2.3319 - val_auc_108: 0.5179
 Epoch 203/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2613 - auc_108:
 0.5047 - val_loss: 1.2458 - val_auc_108: 0.5036
 Epoch 204/700

267/267 [=====] - 1s 3ms/step - loss: 1.9968 - auc_108:
 0.5102 - val_loss: 2.8442 - val_auc_108: 0.5100
 Epoch 205/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0696 - auc_108:
 0.5081 - val_loss: 2.2934 - val_auc_108: 0.5071
 Epoch 206/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2198 - auc_108:
 0.5088 - val_loss: 1.2381 - val_auc_108: 0.5075
 Epoch 207/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2819 - auc_108:
 0.5080 - val_loss: 1.4731 - val_auc_108: 0.4972
 Epoch 208/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2268 - auc_108:
 0.5082 - val_loss: 2.0596 - val_auc_108: 0.4962
 Epoch 209/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2499 - auc_108:
 0.5051 - val_loss: 2.1162 - val_auc_108: 0.4979
 Epoch 210/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7180 - auc_108:
 0.5064 - val_loss: 1.9822 - val_auc_108: 0.5084
 Epoch 211/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2653 - auc_108:
 0.5058 - val_loss: 3.3642 - val_auc_108: 0.5039
 Epoch 212/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4498 - auc_108:
 0.5074 - val_loss: 1.8381 - val_auc_108: 0.5107
 Epoch 213/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2161 - auc_108:
 0.5107 - val_loss: 1.9076 - val_auc_108: 0.5115
 Epoch 214/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4984 - auc_108:
 0.5046 - val_loss: 2.0687 - val_auc_108: 0.4996
 Epoch 215/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5001 - auc_108:
 0.5055 - val_loss: 2.8714 - val_auc_108: 0.5112
 Epoch 216/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1089 - auc_108:
 0.5087 - val_loss: 2.0157 - val_auc_108: 0.4974
 Epoch 217/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9813 - auc_108:
 0.5082 - val_loss: 1.1419 - val_auc_108: 0.5154
 Epoch 218/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3191 - auc_108:
 0.5092 - val_loss: 2.5931 - val_auc_108: 0.5005
 Epoch 219/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4501 - auc_108:
 0.5041 - val_loss: 2.3733 - val_auc_108: 0.5017
 Epoch 220/700

267/267 [=====] - 1s 3ms/step - loss: 2.3558 - auc_108:
 0.5026 - val_loss: 1.8408 - val_auc_108: 0.5098
 Epoch 221/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3075 - auc_108:
 0.5078 - val_loss: 2.2096 - val_auc_108: 0.4954
 Epoch 222/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1176 - auc_108:
 0.5080 - val_loss: 1.6119 - val_auc_108: 0.4976
 Epoch 223/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3445 - auc_108:
 0.5081 - val_loss: 2.3766 - val_auc_108: 0.5103
 Epoch 224/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6209 - auc_108:
 0.5092 - val_loss: 1.7360 - val_auc_108: 0.4968
 Epoch 225/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2615 - auc_108:
 0.5089 - val_loss: 4.2042 - val_auc_108: 0.4948
 Epoch 226/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6488 - auc_108:
 0.5037 - val_loss: 1.7943 - val_auc_108: 0.5043
 Epoch 227/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1122 - auc_108:
 0.5074 - val_loss: 1.4746 - val_auc_108: 0.5101
 Epoch 228/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1468 - auc_108:
 0.5076 - val_loss: 1.9194 - val_auc_108: 0.5131
 Epoch 229/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0709 - auc_108:
 0.5092 - val_loss: 2.5139 - val_auc_108: 0.5121
 Epoch 230/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2204 - auc_108:
 0.5061 - val_loss: 2.2294 - val_auc_108: 0.5126
 Epoch 231/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5771 - auc_108:
 0.5068 - val_loss: 3.2858 - val_auc_108: 0.5066
 Epoch 232/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4491 - auc_108:
 0.5101 - val_loss: 2.4948 - val_auc_108: 0.5104
 Epoch 233/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4249 - auc_108:
 0.5087 - val_loss: 2.7182 - val_auc_108: 0.4995
 Epoch 234/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1267 - auc_108:
 0.5082 - val_loss: 3.9086 - val_auc_108: 0.5082
 Epoch 235/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2003 - auc_108:
 0.5070 - val_loss: 2.9245 - val_auc_108: 0.5043
 Epoch 236/700

267/267 [=====] - 1s 3ms/step - loss: 2.3771 - auc_108:
 0.5083 - val_loss: 2.6420 - val_auc_108: 0.5093
 Epoch 237/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5290 - auc_108:
 0.5079 - val_loss: 1.9111 - val_auc_108: 0.5113
 Epoch 238/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1792 - auc_108:
 0.5092 - val_loss: 2.6503 - val_auc_108: 0.5144
 Epoch 239/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4824 - auc_108:
 0.5056 - val_loss: 1.7403 - val_auc_108: 0.5048
 Epoch 240/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1060 - auc_108:
 0.5100 - val_loss: 1.2108 - val_auc_108: 0.5024
 Epoch 241/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2767 - auc_108:
 0.5065 - val_loss: 3.5954 - val_auc_108: 0.5128
 Epoch 242/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3031 - auc_108:
 0.5098 - val_loss: 1.5583 - val_auc_108: 0.5084
 Epoch 243/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0804 - auc_108:
 0.5104 - val_loss: 2.5364 - val_auc_108: 0.5077
 Epoch 244/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5895 - auc_108:
 0.5108 - val_loss: 2.9345 - val_auc_108: 0.5134
 Epoch 245/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1649 - auc_108:
 0.5099 - val_loss: 3.0093 - val_auc_108: 0.5084
 Epoch 246/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0256 - auc_108:
 0.5084 - val_loss: 1.3522 - val_auc_108: 0.5056
 Epoch 247/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7296 - auc_108:
 0.5087 - val_loss: 1.9332 - val_auc_108: 0.5066
 Epoch 248/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3197 - auc_108:
 0.5110 - val_loss: 2.3752 - val_auc_108: 0.5133
 Epoch 249/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3678 - auc_108:
 0.5092 - val_loss: 3.1933 - val_auc_108: 0.5016
 Epoch 250/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2512 - auc_108:
 0.5079 - val_loss: 1.8251 - val_auc_108: 0.5123
 Epoch 251/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4589 - auc_108:
 0.5073 - val_loss: 3.2861 - val_auc_108: 0.5165
 Epoch 252/700

267/267 [=====] - 1s 3ms/step - loss: 2.4654 - auc_108:
 0.5087 - val_loss: 2.0431 - val_auc_108: 0.5047
 Epoch 253/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5216 - auc_108:
 0.5083 - val_loss: 2.8217 - val_auc_108: 0.5116
 Epoch 254/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7364 - auc_108:
 0.5064 - val_loss: 3.4037 - val_auc_108: 0.5110
 Epoch 255/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2164 - auc_108:
 0.5062 - val_loss: 1.6032 - val_auc_108: 0.5008
 Epoch 256/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1573 - auc_108:
 0.5076 - val_loss: 1.4883 - val_auc_108: 0.5071
 Epoch 257/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0170 - auc_108:
 0.5078 - val_loss: 1.3945 - val_auc_108: 0.5033
 Epoch 258/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0277 - auc_108:
 0.5086 - val_loss: 1.2623 - val_auc_108: 0.5112
 Epoch 259/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4428 - auc_108:
 0.5081 - val_loss: 3.3973 - val_auc_108: 0.5047
 Epoch 260/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1286 - auc_108:
 0.5088 - val_loss: 1.2829 - val_auc_108: 0.5184
 Epoch 261/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3224 - auc_108:
 0.5116 - val_loss: 1.1434 - val_auc_108: 0.5057
 Epoch 262/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5903 - auc_108:
 0.5073 - val_loss: 2.2253 - val_auc_108: 0.5133
 Epoch 263/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1519 - auc_108:
 0.5072 - val_loss: 3.3513 - val_auc_108: 0.5015
 Epoch 264/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5396 - auc_108:
 0.5068 - val_loss: 2.5735 - val_auc_108: 0.5091
 Epoch 265/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6769 - auc_108:
 0.5081 - val_loss: 4.0565 - val_auc_108: 0.5101
 Epoch 266/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2182 - auc_108:
 0.5080 - val_loss: 1.9940 - val_auc_108: 0.5002
 Epoch 267/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0877 - auc_108:
 0.5085 - val_loss: 1.4033 - val_auc_108: 0.5057
 Epoch 268/700

267/267 [=====] - 1s 3ms/step - loss: 2.3820 - auc_108:
 0.5096 - val_loss: 3.3971 - val_auc_108: 0.5048
 Epoch 269/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3557 - auc_108:
 0.5044 - val_loss: 1.5621 - val_auc_108: 0.5115
 Epoch 270/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5039 - auc_108:
 0.5073 - val_loss: 3.9375 - val_auc_108: 0.5126
 Epoch 271/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2605 - auc_108:
 0.5077 - val_loss: 1.7712 - val_auc_108: 0.5027
 Epoch 272/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2608 - auc_108:
 0.5048 - val_loss: 1.6372 - val_auc_108: 0.5090
 Epoch 273/700
 267/267 [=====] - 1s 3ms/step - loss: 1.8913 - auc_108:
 0.5035 - val_loss: 2.1852 - val_auc_108: 0.5068
 Epoch 274/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2384 - auc_108:
 0.5109 - val_loss: 2.1113 - val_auc_108: 0.5036
 Epoch 275/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3566 - auc_108:
 0.5041 - val_loss: 2.3808 - val_auc_108: 0.5068
 Epoch 276/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3378 - auc_108:
 0.5086 - val_loss: 3.7219 - val_auc_108: 0.5158
 Epoch 277/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3724 - auc_108:
 0.5074 - val_loss: 2.0633 - val_auc_108: 0.5065
 Epoch 278/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5168 - auc_108:
 0.5068 - val_loss: 1.2348 - val_auc_108: 0.4995
 Epoch 279/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8478 - auc_108:
 0.5074 - val_loss: 3.1670 - val_auc_108: 0.5107
 Epoch 280/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1033 - auc_108:
 0.5096 - val_loss: 5.0583 - val_auc_108: 0.5057
 Epoch 281/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2599 - auc_108:
 0.5091 - val_loss: 3.6826 - val_auc_108: 0.5059
 Epoch 282/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2387 - auc_108:
 0.5082 - val_loss: 2.0595 - val_auc_108: 0.4969
 Epoch 283/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2705 - auc_108:
 0.5090 - val_loss: 1.7448 - val_auc_108: 0.5015
 Epoch 284/700

267/267 [=====] - 1s 3ms/step - loss: 2.4304 - auc_108:
0.5074 - val_loss: 5.2328 - val_auc_108: 0.5039
Epoch 285/700
267/267 [=====] - 1s 3ms/step - loss: 2.7023 - auc_108:
0.5041 - val_loss: 3.4026 - val_auc_108: 0.5078
Epoch 286/700
267/267 [=====] - 1s 3ms/step - loss: 2.5533 - auc_108:
0.5060 - val_loss: 1.8620 - val_auc_108: 0.5106
Epoch 287/700
267/267 [=====] - 1s 3ms/step - loss: 2.3875 - auc_108:
0.5093 - val_loss: 3.6898 - val_auc_108: 0.5096
Epoch 288/700
267/267 [=====] - 1s 3ms/step - loss: 2.2122 - auc_108:
0.5089 - val_loss: 1.2219 - val_auc_108: 0.5084
Epoch 289/700
267/267 [=====] - 1s 3ms/step - loss: 2.3230 - auc_108:
0.5052 - val_loss: 1.5801 - val_auc_108: 0.5132
Epoch 290/700
267/267 [=====] - 1s 3ms/step - loss: 2.5524 - auc_108:
0.5061 - val_loss: 1.3845 - val_auc_108: 0.5070
Epoch 291/700
267/267 [=====] - 1s 3ms/step - loss: 2.3510 - auc_108:
0.5093 - val_loss: 2.5242 - val_auc_108: 0.5021
Epoch 292/700
267/267 [=====] - 1s 3ms/step - loss: 2.2385 - auc_108:
0.5071 - val_loss: 2.5506 - val_auc_108: 0.4999
Epoch 293/700
267/267 [=====] - 1s 3ms/step - loss: 2.3124 - auc_108:
0.5060 - val_loss: 2.8135 - val_auc_108: 0.5178
Epoch 294/700
267/267 [=====] - 1s 3ms/step - loss: 2.2307 - auc_108:
0.5099 - val_loss: 1.7456 - val_auc_108: 0.5107
Epoch 295/700
267/267 [=====] - 1s 3ms/step - loss: 2.2072 - auc_108:
0.5090 - val_loss: 1.9192 - val_auc_108: 0.5130
Epoch 296/700
267/267 [=====] - 1s 3ms/step - loss: 2.6081 - auc_108:
0.5061 - val_loss: 1.9458 - val_auc_108: 0.5033
Epoch 297/700
267/267 [=====] - 1s 3ms/step - loss: 2.1373 - auc_108:
0.5094 - val_loss: 2.2338 - val_auc_108: 0.5055
Epoch 298/700
267/267 [=====] - 1s 3ms/step - loss: 2.4558 - auc_108:
0.5072 - val_loss: 3.7995 - val_auc_108: 0.5045
Epoch 299/700
267/267 [=====] - 1s 3ms/step - loss: 2.4114 - auc_108:
0.5093 - val_loss: 2.0595 - val_auc_108: 0.5108
Epoch 300/700

267/267 [=====] - 1s 3ms/step - loss: 2.3527 - auc_108:
 0.5089 - val_loss: 3.0193 - val_auc_108: 0.5074
 Epoch 301/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2986 - auc_108:
 0.5092 - val_loss: 1.6589 - val_auc_108: 0.5022
 Epoch 302/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3776 - auc_108:
 0.5119 - val_loss: 2.0388 - val_auc_108: 0.5115
 Epoch 303/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1717 - auc_108:
 0.5081 - val_loss: 1.4425 - val_auc_108: 0.5154
 Epoch 304/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1327 - auc_108:
 0.5052 - val_loss: 2.1828 - val_auc_108: 0.5100
 Epoch 305/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5850 - auc_108:
 0.5095 - val_loss: 3.9083 - val_auc_108: 0.5100
 Epoch 306/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4924 - auc_108:
 0.5100 - val_loss: 1.9935 - val_auc_108: 0.4946
 Epoch 307/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3189 - auc_108:
 0.5044 - val_loss: 1.5720 - val_auc_108: 0.5047
 Epoch 308/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5892 - auc_108:
 0.5065 - val_loss: 1.8642 - val_auc_108: 0.5094
 Epoch 309/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5445 - auc_108:
 0.5087 - val_loss: 1.8518 - val_auc_108: 0.5095
 Epoch 310/700
 267/267 [=====] - 1s 3ms/step - loss: 3.0178 - auc_108:
 0.5053 - val_loss: 2.7429 - val_auc_108: 0.5029
 Epoch 311/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1865 - auc_108:
 0.5092 - val_loss: 3.5002 - val_auc_108: 0.5184
 Epoch 312/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7485 - auc_108:
 0.5028 - val_loss: 1.9218 - val_auc_108: 0.5111
 Epoch 313/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8256 - auc_108:
 0.5091 - val_loss: 3.7598 - val_auc_108: 0.5154
 Epoch 314/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1699 - auc_108:
 0.5086 - val_loss: 4.2712 - val_auc_108: 0.5119
 Epoch 315/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5437 - auc_108:
 0.5102 - val_loss: 2.0476 - val_auc_108: 0.5067
 Epoch 316/700

267/267 [=====] - 1s 3ms/step - loss: 1.8610 - auc_108:
 0.5092 - val_loss: 1.9946 - val_auc_108: 0.5049
 Epoch 317/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2217 - auc_108:
 0.5060 - val_loss: 2.3718 - val_auc_108: 0.5126
 Epoch 318/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2306 - auc_108:
 0.5080 - val_loss: 1.8329 - val_auc_108: 0.5088
 Epoch 319/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2528 - auc_108:
 0.5076 - val_loss: 1.2785 - val_auc_108: 0.5062
 Epoch 320/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2227 - auc_108:
 0.5075 - val_loss: 3.4698 - val_auc_108: 0.4949
 Epoch 321/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5182 - auc_108:
 0.5045 - val_loss: 2.6467 - val_auc_108: 0.4911
 Epoch 322/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1536 - auc_108:
 0.5119 - val_loss: 1.6803 - val_auc_108: 0.4952
 Epoch 323/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5325 - auc_108:
 0.5077 - val_loss: 3.3893 - val_auc_108: 0.5076
 Epoch 324/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3876 - auc_108:
 0.5087 - val_loss: 2.8164 - val_auc_108: 0.5156
 Epoch 325/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9893 - auc_108:
 0.5078 - val_loss: 2.2792 - val_auc_108: 0.5036
 Epoch 326/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5860 - auc_108:
 0.5090 - val_loss: 5.6565 - val_auc_108: 0.4923
 Epoch 327/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3487 - auc_108:
 0.5071 - val_loss: 1.7845 - val_auc_108: 0.5093
 Epoch 328/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4070 - auc_108:
 0.5094 - val_loss: 2.2256 - val_auc_108: 0.5101
 Epoch 329/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2983 - auc_108:
 0.5081 - val_loss: 1.3662 - val_auc_108: 0.4998
 Epoch 330/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2435 - auc_108:
 0.5089 - val_loss: 1.9706 - val_auc_108: 0.5106
 Epoch 331/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9721 - auc_108:
 0.5079 - val_loss: 2.8244 - val_auc_108: 0.5042
 Epoch 332/700

267/267 [=====] - 1s 3ms/step - loss: 2.2803 - auc_108:
 0.5041 - val_loss: 4.6846 - val_auc_108: 0.4932
 Epoch 333/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4575 - auc_108:
 0.5064 - val_loss: 1.3674 - val_auc_108: 0.5018
 Epoch 334/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1196 - auc_108:
 0.5097 - val_loss: 1.2261 - val_auc_108: 0.4936
 Epoch 335/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3909 - auc_108:
 0.5116 - val_loss: 2.8475 - val_auc_108: 0.5155
 Epoch 336/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4700 - auc_108:
 0.5014 - val_loss: 2.2687 - val_auc_108: 0.5079
 Epoch 337/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8225 - auc_108:
 0.5108 - val_loss: 1.5605 - val_auc_108: 0.5105
 Epoch 338/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2444 - auc_108:
 0.5096 - val_loss: 2.3829 - val_auc_108: 0.5077
 Epoch 339/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4742 - auc_108:
 0.5090 - val_loss: 1.6618 - val_auc_108: 0.5190
 Epoch 340/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0705 - auc_108:
 0.5111 - val_loss: 1.8032 - val_auc_108: 0.5119
 Epoch 341/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3687 - auc_108:
 0.5051 - val_loss: 2.2510 - val_auc_108: 0.4982
 Epoch 342/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2429 - auc_108:
 0.5063 - val_loss: 3.8461 - val_auc_108: 0.5122
 Epoch 343/700
 267/267 [=====] - 1s 3ms/step - loss: 3.0551 - auc_108:
 0.5056 - val_loss: 2.8778 - val_auc_108: 0.4961
 Epoch 344/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2750 - auc_108:
 0.5078 - val_loss: 2.2412 - val_auc_108: 0.5072
 Epoch 345/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1970 - auc_108:
 0.5059 - val_loss: 2.2931 - val_auc_108: 0.4905
 Epoch 346/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2936 - auc_108:
 0.5086 - val_loss: 1.4898 - val_auc_108: 0.5085
 Epoch 347/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5890 - auc_108:
 0.5099 - val_loss: 3.3302 - val_auc_108: 0.5085
 Epoch 348/700

267/267 [=====] - 1s 3ms/step - loss: 3.3666 - auc_108:
 0.5085 - val_loss: 2.0047 - val_auc_108: 0.4960
 Epoch 349/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1375 - auc_108:
 0.5090 - val_loss: 2.1587 - val_auc_108: 0.5108
 Epoch 350/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9532 - auc_108:
 0.5065 - val_loss: 2.4817 - val_auc_108: 0.4972
 Epoch 351/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4721 - auc_108:
 0.5072 - val_loss: 2.6901 - val_auc_108: 0.5162
 Epoch 352/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1268 - auc_108:
 0.5090 - val_loss: 2.2606 - val_auc_108: 0.4983
 Epoch 353/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3549 - auc_108:
 0.5082 - val_loss: 4.1820 - val_auc_108: 0.5033
 Epoch 354/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2540 - auc_108:
 0.5031 - val_loss: 4.3167 - val_auc_108: 0.5005
 Epoch 355/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4800 - auc_108:
 0.5099 - val_loss: 3.3336 - val_auc_108: 0.5080
 Epoch 356/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1360 - auc_108:
 0.5085 - val_loss: 1.5316 - val_auc_108: 0.5110
 Epoch 357/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0052 - auc_108:
 0.5075 - val_loss: 2.2973 - val_auc_108: 0.4901
 Epoch 358/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9927 - auc_108:
 0.5090 - val_loss: 2.0953 - val_auc_108: 0.5095
 Epoch 359/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2882 - auc_108:
 0.5085 - val_loss: 1.6886 - val_auc_108: 0.4984
 Epoch 360/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4948 - auc_108:
 0.5102 - val_loss: 2.2786 - val_auc_108: 0.5090
 Epoch 361/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1763 - auc_108:
 0.5077 - val_loss: 2.8585 - val_auc_108: 0.5032
 Epoch 362/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9974 - auc_108:
 0.5093 - val_loss: 3.6437 - val_auc_108: 0.5064
 Epoch 363/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1533 - auc_108:
 0.5070 - val_loss: 1.5860 - val_auc_108: 0.5116
 Epoch 364/700

267/267 [=====] - 1s 3ms/step - loss: 2.5152 - auc_108:
 0.5054 - val_loss: 2.2031 - val_auc_108: 0.5083
 Epoch 365/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3183 - auc_108:
 0.5055 - val_loss: 1.9149 - val_auc_108: 0.5102
 Epoch 366/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2338 - auc_108:
 0.5073 - val_loss: 1.4702 - val_auc_108: 0.4943
 Epoch 367/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0460 - auc_108:
 0.5047 - val_loss: 1.7987 - val_auc_108: 0.4934
 Epoch 368/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4169 - auc_108:
 0.5106 - val_loss: 2.5050 - val_auc_108: 0.5122
 Epoch 369/700
 267/267 [=====] - 1s 3ms/step - loss: 1.8316 - auc_108:
 0.5113 - val_loss: 1.4781 - val_auc_108: 0.5074
 Epoch 370/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3136 - auc_108:
 0.5073 - val_loss: 3.1782 - val_auc_108: 0.4986
 Epoch 371/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3443 - auc_108:
 0.5093 - val_loss: 1.2918 - val_auc_108: 0.5166
 Epoch 372/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6161 - auc_108:
 0.5083 - val_loss: 1.5500 - val_auc_108: 0.5181
 Epoch 373/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8009 - auc_108:
 0.5083 - val_loss: 1.4249 - val_auc_108: 0.5031
 Epoch 374/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1624 - auc_108:
 0.5088 - val_loss: 2.3147 - val_auc_108: 0.5001
 Epoch 375/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0193 - auc_108:
 0.5136 - val_loss: 3.1089 - val_auc_108: 0.4887
 Epoch 376/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1241 - auc_108:
 0.5071 - val_loss: 2.1285 - val_auc_108: 0.5035
 Epoch 377/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5276 - auc_108:
 0.5093 - val_loss: 1.8135 - val_auc_108: 0.5022
 Epoch 378/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5234 - auc_108:
 0.5079 - val_loss: 3.9128 - val_auc_108: 0.5080
 Epoch 379/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3464 - auc_108:
 0.5053 - val_loss: 2.0684 - val_auc_108: 0.5106
 Epoch 380/700

267/267 [=====] - 1s 3ms/step - loss: 2.2132 - auc_108:
 0.5053 - val_loss: 2.3278 - val_auc_108: 0.5032
 Epoch 381/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0845 - auc_108:
 0.5084 - val_loss: 1.6895 - val_auc_108: 0.5158
 Epoch 382/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1719 - auc_108:
 0.5064 - val_loss: 2.8071 - val_auc_108: 0.5144
 Epoch 383/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3561 - auc_108:
 0.5024 - val_loss: 1.8985 - val_auc_108: 0.5105
 Epoch 384/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3784 - auc_108:
 0.5101 - val_loss: 1.6706 - val_auc_108: 0.5093
 Epoch 385/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6171 - auc_108:
 0.5089 - val_loss: 2.5884 - val_auc_108: 0.4938
 Epoch 386/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4982 - auc_108:
 0.5066 - val_loss: 3.2553 - val_auc_108: 0.5036
 Epoch 387/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0508 - auc_108:
 0.5106 - val_loss: 1.4086 - val_auc_108: 0.5065
 Epoch 388/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4110 - auc_108:
 0.5078 - val_loss: 1.6914 - val_auc_108: 0.5225
 Epoch 389/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2413 - auc_108:
 0.5086 - val_loss: 2.4169 - val_auc_108: 0.5031
 Epoch 390/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3924 - auc_108:
 0.5079 - val_loss: 3.7044 - val_auc_108: 0.5012
 Epoch 391/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6187 - auc_108:
 0.5042 - val_loss: 1.6001 - val_auc_108: 0.5149
 Epoch 392/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3087 - auc_108:
 0.5074 - val_loss: 2.4368 - val_auc_108: 0.5104
 Epoch 393/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4794 - auc_108:
 0.5103 - val_loss: 1.6331 - val_auc_108: 0.5091
 Epoch 394/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5386 - auc_108:
 0.5102 - val_loss: 1.4916 - val_auc_108: 0.5014
 Epoch 395/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1738 - auc_108:
 0.5086 - val_loss: 1.5561 - val_auc_108: 0.5070
 Epoch 396/700

267/267 [=====] - 1s 3ms/step - loss: 2.1465 - auc_108:
 0.5070 - val_loss: 2.3849 - val_auc_108: 0.4990
 Epoch 397/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4057 - auc_108:
 0.5086 - val_loss: 3.3238 - val_auc_108: 0.5039
 Epoch 398/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1645 - auc_108:
 0.5052 - val_loss: 1.8594 - val_auc_108: 0.4943
 Epoch 399/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1754 - auc_108:
 0.5087 - val_loss: 1.2651 - val_auc_108: 0.4943
 Epoch 400/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5677 - auc_108:
 0.5011 - val_loss: 2.0268 - val_auc_108: 0.5080
 Epoch 401/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3639 - auc_108:
 0.5033 - val_loss: 1.8218 - val_auc_108: 0.5149
 Epoch 402/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0178 - auc_108:
 0.5057 - val_loss: 1.7281 - val_auc_108: 0.5052
 Epoch 403/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1515 - auc_108:
 0.5090 - val_loss: 1.5413 - val_auc_108: 0.5118
 Epoch 404/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1828 - auc_108:
 0.5076 - val_loss: 2.6176 - val_auc_108: 0.5034
 Epoch 405/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5117 - auc_108:
 0.5096 - val_loss: 2.0636 - val_auc_108: 0.4986
 Epoch 406/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0025 - auc_108:
 0.5102 - val_loss: 2.1963 - val_auc_108: 0.5120
 Epoch 407/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5970 - auc_108:
 0.5079 - val_loss: 3.1220 - val_auc_108: 0.5094
 Epoch 408/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2867 - auc_108:
 0.5038 - val_loss: 3.0367 - val_auc_108: 0.5031
 Epoch 409/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4025 - auc_108:
 0.5059 - val_loss: 3.8535 - val_auc_108: 0.5120
 Epoch 410/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3917 - auc_108:
 0.5081 - val_loss: 2.0629 - val_auc_108: 0.5121
 Epoch 411/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4456 - auc_108:
 0.5046 - val_loss: 2.5618 - val_auc_108: 0.5162
 Epoch 412/700

267/267 [=====] - 1s 3ms/step - loss: 2.1590 - auc_108:
 0.5067 - val_loss: 2.5541 - val_auc_108: 0.5126
 Epoch 413/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0288 - auc_108:
 0.5099 - val_loss: 3.0100 - val_auc_108: 0.5107
 Epoch 414/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7010 - auc_108:
 0.5077 - val_loss: 2.1880 - val_auc_108: 0.5070
 Epoch 415/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4296 - auc_108:
 0.5075 - val_loss: 2.7273 - val_auc_108: 0.5061
 Epoch 416/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2659 - auc_108:
 0.5096 - val_loss: 3.9667 - val_auc_108: 0.5010
 Epoch 417/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4491 - auc_108:
 0.5103 - val_loss: 2.0071 - val_auc_108: 0.5035
 Epoch 418/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3555 - auc_108:
 0.5082 - val_loss: 2.4586 - val_auc_108: 0.5141
 Epoch 419/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4892 - auc_108:
 0.5060 - val_loss: 2.2510 - val_auc_108: 0.5123
 Epoch 420/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1417 - auc_108:
 0.5061 - val_loss: 3.2840 - val_auc_108: 0.5098
 Epoch 421/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1860 - auc_108:
 0.5072 - val_loss: 3.3617 - val_auc_108: 0.5095
 Epoch 422/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6684 - auc_108:
 0.5047 - val_loss: 2.2570 - val_auc_108: 0.5100
 Epoch 423/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2986 - auc_108:
 0.5033 - val_loss: 4.3065 - val_auc_108: 0.5138
 Epoch 424/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5414 - auc_108:
 0.5056 - val_loss: 1.5498 - val_auc_108: 0.5165
 Epoch 425/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3480 - auc_108:
 0.5065 - val_loss: 3.7496 - val_auc_108: 0.5007
 Epoch 426/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0316 - auc_108:
 0.5058 - val_loss: 1.6256 - val_auc_108: 0.4965
 Epoch 427/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1113 - auc_108:
 0.5083 - val_loss: 1.5347 - val_auc_108: 0.5108
 Epoch 428/700

267/267 [=====] - 1s 3ms/step - loss: 1.9814 - auc_108:
 0.5080 - val_loss: 3.0902 - val_auc_108: 0.5102
 Epoch 429/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3819 - auc_108:
 0.5097 - val_loss: 1.4682 - val_auc_108: 0.5106
 Epoch 430/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0937 - auc_108:
 0.5066 - val_loss: 3.4679 - val_auc_108: 0.5099
 Epoch 431/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4537 - auc_108:
 0.5043 - val_loss: 3.5184 - val_auc_108: 0.5110
 Epoch 432/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4575 - auc_108:
 0.5070 - val_loss: 1.6820 - val_auc_108: 0.5048
 Epoch 433/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1958 - auc_108:
 0.5087 - val_loss: 1.8969 - val_auc_108: 0.5136
 Epoch 434/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4136 - auc_108:
 0.5075 - val_loss: 2.1639 - val_auc_108: 0.5025
 Epoch 435/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3237 - auc_108:
 0.5095 - val_loss: 0.9878 - val_auc_108: 0.5060
 Epoch 436/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1032 - auc_108:
 0.5104 - val_loss: 4.2363 - val_auc_108: 0.5065
 Epoch 437/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3077 - auc_108:
 0.5093 - val_loss: 4.2070 - val_auc_108: 0.5148
 Epoch 438/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5910 - auc_108:
 0.5082 - val_loss: 2.5992 - val_auc_108: 0.5137
 Epoch 439/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3043 - auc_108:
 0.5072 - val_loss: 1.6111 - val_auc_108: 0.5049
 Epoch 440/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3610 - auc_108:
 0.5086 - val_loss: 1.4944 - val_auc_108: 0.5078
 Epoch 441/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4078 - auc_108:
 0.5081 - val_loss: 2.3158 - val_auc_108: 0.5105
 Epoch 442/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2116 - auc_108:
 0.5129 - val_loss: 1.4494 - val_auc_108: 0.5162
 Epoch 443/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3153 - auc_108:
 0.5062 - val_loss: 2.2411 - val_auc_108: 0.5126
 Epoch 444/700

267/267 [=====] - 1s 3ms/step - loss: 2.5115 - auc_108:
0.5043 - val_loss: 2.6728 - val_auc_108: 0.5091
Epoch 445/700
267/267 [=====] - 1s 3ms/step - loss: 2.1314 - auc_108:
0.5086 - val_loss: 2.2686 - val_auc_108: 0.4954
Epoch 446/700
267/267 [=====] - 1s 3ms/step - loss: 2.5412 - auc_108:
0.5044 - val_loss: 3.3706 - val_auc_108: 0.5104
Epoch 447/700
267/267 [=====] - 1s 3ms/step - loss: 2.8102 - auc_108:
0.5082 - val_loss: 1.7094 - val_auc_108: 0.5009
Epoch 448/700
267/267 [=====] - 1s 3ms/step - loss: 2.4463 - auc_108:
0.5082 - val_loss: 2.7198 - val_auc_108: 0.5178
Epoch 449/700
267/267 [=====] - 1s 3ms/step - loss: 2.3462 - auc_108:
0.5092 - val_loss: 3.0773 - val_auc_108: 0.5124
Epoch 450/700
267/267 [=====] - 1s 3ms/step - loss: 2.2605 - auc_108:
0.5050 - val_loss: 3.0073 - val_auc_108: 0.5028
Epoch 451/700
267/267 [=====] - 1s 3ms/step - loss: 2.4116 - auc_108:
0.5069 - val_loss: 2.1744 - val_auc_108: 0.5003
Epoch 452/700
267/267 [=====] - 1s 3ms/step - loss: 2.4096 - auc_108:
0.5091 - val_loss: 1.2323 - val_auc_108: 0.5138
Epoch 453/700
267/267 [=====] - 1s 3ms/step - loss: 2.1630 - auc_108:
0.5052 - val_loss: 3.1586 - val_auc_108: 0.5101
Epoch 454/700
267/267 [=====] - 1s 3ms/step - loss: 2.4071 - auc_108:
0.5094 - val_loss: 3.0696 - val_auc_108: 0.5137
Epoch 455/700
267/267 [=====] - 1s 3ms/step - loss: 2.2658 - auc_108:
0.5065 - val_loss: 2.7234 - val_auc_108: 0.5095
Epoch 456/700
267/267 [=====] - 1s 3ms/step - loss: 2.1138 - auc_108:
0.5079 - val_loss: 1.5701 - val_auc_108: 0.4960
Epoch 457/700
267/267 [=====] - 1s 3ms/step - loss: 2.4761 - auc_108:
0.5065 - val_loss: 1.8100 - val_auc_108: 0.5101
Epoch 458/700
267/267 [=====] - 1s 3ms/step - loss: 2.2700 - auc_108:
0.5076 - val_loss: 1.7519 - val_auc_108: 0.4974
Epoch 459/700
267/267 [=====] - 1s 3ms/step - loss: 2.3865 - auc_108:
0.5063 - val_loss: 2.0510 - val_auc_108: 0.5064
Epoch 460/700

267/267 [=====] - 1s 3ms/step - loss: 2.2841 - auc_108:
0.5074 - val_loss: 1.4468 - val_auc_108: 0.5079
Epoch 461/700
267/267 [=====] - 1s 3ms/step - loss: 2.3793 - auc_108:
0.5088 - val_loss: 1.8523 - val_auc_108: 0.4976
Epoch 462/700
267/267 [=====] - 1s 3ms/step - loss: 2.3353 - auc_108:
0.5068 - val_loss: 2.0760 - val_auc_108: 0.5126
Epoch 463/700
267/267 [=====] - 1s 3ms/step - loss: 2.6563 - auc_108:
0.5057 - val_loss: 3.3601 - val_auc_108: 0.5095
Epoch 464/700
267/267 [=====] - 1s 3ms/step - loss: 2.1420 - auc_108:
0.5101 - val_loss: 2.1918 - val_auc_108: 0.5134
Epoch 465/700
267/267 [=====] - 1s 3ms/step - loss: 2.3747 - auc_108:
0.5086 - val_loss: 2.0547 - val_auc_108: 0.5000
Epoch 466/700
267/267 [=====] - 1s 3ms/step - loss: 2.1725 - auc_108:
0.5103 - val_loss: 1.9328 - val_auc_108: 0.4932
Epoch 467/700
267/267 [=====] - 1s 3ms/step - loss: 2.2134 - auc_108:
0.5115 - val_loss: 2.7136 - val_auc_108: 0.5099
Epoch 468/700
267/267 [=====] - 1s 3ms/step - loss: 2.3497 - auc_108:
0.5060 - val_loss: 4.1897 - val_auc_108: 0.5129
Epoch 469/700
267/267 [=====] - 1s 3ms/step - loss: 2.5120 - auc_108:
0.5058 - val_loss: 3.0232 - val_auc_108: 0.5137
Epoch 470/700
267/267 [=====] - 1s 3ms/step - loss: 2.6302 - auc_108:
0.5101 - val_loss: 2.1023 - val_auc_108: 0.5170
Epoch 471/700
267/267 [=====] - 1s 3ms/step - loss: 2.1545 - auc_108:
0.5057 - val_loss: 2.1904 - val_auc_108: 0.5007
Epoch 472/700
267/267 [=====] - 1s 3ms/step - loss: 1.9015 - auc_108:
0.5122 - val_loss: 3.1599 - val_auc_108: 0.5119
Epoch 473/700
267/267 [=====] - 1s 3ms/step - loss: 2.5860 - auc_108:
0.5051 - val_loss: 3.8688 - val_auc_108: 0.5014
Epoch 474/700
267/267 [=====] - 1s 3ms/step - loss: 2.4027 - auc_108:
0.5067 - val_loss: 1.6401 - val_auc_108: 0.4973
Epoch 475/700
267/267 [=====] - 1s 3ms/step - loss: 2.3614 - auc_108:
0.5066 - val_loss: 1.9824 - val_auc_108: 0.5042
Epoch 476/700

267/267 [=====] - 1s 3ms/step - loss: 1.8884 - auc_108:
 0.5071 - val_loss: 2.3309 - val_auc_108: 0.5009
 Epoch 477/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3698 - auc_108:
 0.5064 - val_loss: 3.1229 - val_auc_108: 0.5178
 Epoch 478/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0153 - auc_108:
 0.5098 - val_loss: 1.2532 - val_auc_108: 0.5148
 Epoch 479/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4818 - auc_108:
 0.5090 - val_loss: 2.3328 - val_auc_108: 0.5105
 Epoch 480/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5001 - auc_108:
 0.5072 - val_loss: 1.8022 - val_auc_108: 0.5146
 Epoch 481/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2571 - auc_108:
 0.5123 - val_loss: 3.1850 - val_auc_108: 0.4982
 Epoch 482/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0989 - auc_108:
 0.5069 - val_loss: 2.2980 - val_auc_108: 0.5055
 Epoch 483/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8963 - auc_108:
 0.5053 - val_loss: 3.2752 - val_auc_108: 0.5080
 Epoch 484/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1587 - auc_108:
 0.5081 - val_loss: 3.2958 - val_auc_108: 0.5004
 Epoch 485/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4829 - auc_108:
 0.5087 - val_loss: 1.1117 - val_auc_108: 0.5133
 Epoch 486/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3509 - auc_108:
 0.5070 - val_loss: 1.8914 - val_auc_108: 0.5064
 Epoch 487/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1823 - auc_108:
 0.5114 - val_loss: 1.5267 - val_auc_108: 0.5125
 Epoch 488/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3215 - auc_108:
 0.5090 - val_loss: 2.9727 - val_auc_108: 0.5017
 Epoch 489/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4038 - auc_108:
 0.5067 - val_loss: 1.5587 - val_auc_108: 0.5052
 Epoch 490/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5406 - auc_108:
 0.5064 - val_loss: 2.0139 - val_auc_108: 0.5122
 Epoch 491/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3618 - auc_108:
 0.5085 - val_loss: 1.6927 - val_auc_108: 0.5117
 Epoch 492/700

267/267 [=====] - 1s 3ms/step - loss: 2.1671 - auc_108:
 0.5054 - val_loss: 1.5966 - val_auc_108: 0.5135
 Epoch 493/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3584 - auc_108:
 0.5099 - val_loss: 2.9791 - val_auc_108: 0.4980
 Epoch 494/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4845 - auc_108:
 0.5058 - val_loss: 2.8751 - val_auc_108: 0.5160
 Epoch 495/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1519 - auc_108:
 0.5081 - val_loss: 2.5206 - val_auc_108: 0.5188
 Epoch 496/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2936 - auc_108:
 0.5091 - val_loss: 1.8986 - val_auc_108: 0.5040
 Epoch 497/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2833 - auc_108:
 0.5097 - val_loss: 2.6649 - val_auc_108: 0.5110
 Epoch 498/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7173 - auc_108:
 0.5052 - val_loss: 1.9266 - val_auc_108: 0.5046
 Epoch 499/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2826 - auc_108:
 0.5063 - val_loss: 1.4120 - val_auc_108: 0.5065
 Epoch 500/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4076 - auc_108:
 0.5078 - val_loss: 2.7431 - val_auc_108: 0.5090
 Epoch 501/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9959 - auc_108:
 0.5095 - val_loss: 1.3810 - val_auc_108: 0.5113
 Epoch 502/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0142 - auc_108:
 0.5056 - val_loss: 2.6889 - val_auc_108: 0.5115
 Epoch 503/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5761 - auc_108:
 0.5102 - val_loss: 2.3225 - val_auc_108: 0.4914
 Epoch 504/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2381 - auc_108:
 0.5113 - val_loss: 2.5031 - val_auc_108: 0.4933
 Epoch 505/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1418 - auc_108:
 0.5081 - val_loss: 4.3456 - val_auc_108: 0.5059
 Epoch 506/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6338 - auc_108:
 0.5065 - val_loss: 2.0721 - val_auc_108: 0.5133
 Epoch 507/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1548 - auc_108:
 0.5059 - val_loss: 2.3873 - val_auc_108: 0.5148
 Epoch 508/700

267/267 [=====] - 1s 3ms/step - loss: 2.5701 - auc_108:
0.5038 - val_loss: 1.5694 - val_auc_108: 0.4980
Epoch 509/700
267/267 [=====] - 1s 3ms/step - loss: 2.1811 - auc_108:
0.5103 - val_loss: 2.0726 - val_auc_108: 0.5018
Epoch 510/700
267/267 [=====] - 1s 3ms/step - loss: 2.4650 - auc_108:
0.5077 - val_loss: 2.0568 - val_auc_108: 0.5099
Epoch 511/700
267/267 [=====] - 1s 3ms/step - loss: 2.1395 - auc_108:
0.5074 - val_loss: 1.3171 - val_auc_108: 0.4981
Epoch 512/700
267/267 [=====] - 1s 3ms/step - loss: 2.6736 - auc_108:
0.5106 - val_loss: 1.2852 - val_auc_108: 0.5077
Epoch 513/700
267/267 [=====] - 1s 3ms/step - loss: 2.3796 - auc_108:
0.5097 - val_loss: 2.5146 - val_auc_108: 0.5082
Epoch 514/700
267/267 [=====] - 1s 3ms/step - loss: 1.9834 - auc_108:
0.5109 - val_loss: 1.6607 - val_auc_108: 0.5111
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 2.4833 - auc_108:
0.5039 - val_loss: 1.8777 - val_auc_108: 0.5090
Epoch 516/700
267/267 [=====] - 1s 3ms/step - loss: 2.0154 - auc_108:
0.5089 - val_loss: 1.6932 - val_auc_108: 0.5002
Epoch 517/700
267/267 [=====] - 1s 3ms/step - loss: 2.4603 - auc_108:
0.5106 - val_loss: 1.7253 - val_auc_108: 0.5156
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 2.5083 - auc_108:
0.5073 - val_loss: 2.0638 - val_auc_108: 0.5157
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 2.1763 - auc_108:
0.5070 - val_loss: 2.4232 - val_auc_108: 0.5140
Epoch 520/700
267/267 [=====] - 1s 3ms/step - loss: 2.5335 - auc_108:
0.5088 - val_loss: 3.7624 - val_auc_108: 0.5136
Epoch 521/700
267/267 [=====] - 1s 3ms/step - loss: 3.2456 - auc_108:
0.5070 - val_loss: 2.5012 - val_auc_108: 0.5073
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 2.3560 - auc_108:
0.5048 - val_loss: 2.1756 - val_auc_108: 0.5043
Epoch 523/700
267/267 [=====] - 1s 3ms/step - loss: 2.4081 - auc_108:
0.5040 - val_loss: 2.6228 - val_auc_108: 0.5160
Epoch 524/700

267/267 [=====] - 1s 3ms/step - loss: 2.3215 - auc_108:
0.5095 - val_loss: 2.1376 - val_auc_108: 0.5114
Epoch 525/700
267/267 [=====] - 1s 3ms/step - loss: 1.9142 - auc_108:
0.5080 - val_loss: 1.3688 - val_auc_108: 0.5011
Epoch 526/700
267/267 [=====] - 1s 3ms/step - loss: 2.1639 - auc_108:
0.5095 - val_loss: 1.6197 - val_auc_108: 0.5054
Epoch 527/700
267/267 [=====] - 1s 3ms/step - loss: 2.4449 - auc_108:
0.5062 - val_loss: 3.6042 - val_auc_108: 0.5079
Epoch 528/700
267/267 [=====] - 1s 3ms/step - loss: 2.5257 - auc_108:
0.5068 - val_loss: 2.2783 - val_auc_108: 0.4943
Epoch 529/700
267/267 [=====] - 1s 3ms/step - loss: 2.3995 - auc_108:
0.5032 - val_loss: 1.4896 - val_auc_108: 0.5115
Epoch 530/700
267/267 [=====] - 1s 3ms/step - loss: 2.0939 - auc_108:
0.5084 - val_loss: 2.2792 - val_auc_108: 0.5067
Epoch 531/700
267/267 [=====] - 1s 3ms/step - loss: 2.2447 - auc_108:
0.5052 - val_loss: 2.6198 - val_auc_108: 0.5074
Epoch 532/700
267/267 [=====] - 1s 3ms/step - loss: 2.4748 - auc_108:
0.5048 - val_loss: 2.4842 - val_auc_108: 0.5045
Epoch 533/700
267/267 [=====] - 1s 3ms/step - loss: 2.1741 - auc_108:
0.5072 - val_loss: 2.0055 - val_auc_108: 0.5050
Epoch 534/700
267/267 [=====] - 1s 3ms/step - loss: 1.9103 - auc_108:
0.5098 - val_loss: 2.4903 - val_auc_108: 0.5020
Epoch 535/700
267/267 [=====] - 1s 3ms/step - loss: 2.3401 - auc_108:
0.5056 - val_loss: 2.6989 - val_auc_108: 0.5019
Epoch 536/700
267/267 [=====] - 1s 3ms/step - loss: 2.4133 - auc_108:
0.5088 - val_loss: 1.4395 - val_auc_108: 0.5137
Epoch 537/700
267/267 [=====] - 1s 3ms/step - loss: 2.1566 - auc_108:
0.5057 - val_loss: 1.8990 - val_auc_108: 0.5105
Epoch 538/700
267/267 [=====] - 1s 3ms/step - loss: 2.3223 - auc_108:
0.5075 - val_loss: 2.4336 - val_auc_108: 0.5006
Epoch 539/700
267/267 [=====] - 1s 3ms/step - loss: 2.0474 - auc_108:
0.5068 - val_loss: 0.9095 - val_auc_108: 0.5047
Epoch 540/700

267/267 [=====] - 1s 3ms/step - loss: 2.2348 - auc_108:
 0.5077 - val_loss: 1.9558 - val_auc_108: 0.4917
 Epoch 541/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5373 - auc_108:
 0.5068 - val_loss: 2.7357 - val_auc_108: 0.5086
 Epoch 542/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4457 - auc_108:
 0.5063 - val_loss: 2.5799 - val_auc_108: 0.5017
 Epoch 543/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3213 - auc_108:
 0.5065 - val_loss: 4.2823 - val_auc_108: 0.4996
 Epoch 544/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2743 - auc_108:
 0.5077 - val_loss: 4.3107 - val_auc_108: 0.5077
 Epoch 545/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3839 - auc_108:
 0.5064 - val_loss: 2.1757 - val_auc_108: 0.5153
 Epoch 546/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4113 - auc_108:
 0.5076 - val_loss: 1.8845 - val_auc_108: 0.5151
 Epoch 547/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1370 - auc_108:
 0.5098 - val_loss: 1.3646 - val_auc_108: 0.5154
 Epoch 548/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6274 - auc_108:
 0.5048 - val_loss: 2.1167 - val_auc_108: 0.4928
 Epoch 549/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1963 - auc_108:
 0.5081 - val_loss: 3.4757 - val_auc_108: 0.5138
 Epoch 550/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3607 - auc_108:
 0.5065 - val_loss: 1.9978 - val_auc_108: 0.4988
 Epoch 551/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3853 - auc_108:
 0.5081 - val_loss: 1.4231 - val_auc_108: 0.5141
 Epoch 552/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0098 - auc_108:
 0.5108 - val_loss: 2.3107 - val_auc_108: 0.5116
 Epoch 553/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5467 - auc_108:
 0.5078 - val_loss: 2.8400 - val_auc_108: 0.4993
 Epoch 554/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2687 - auc_108:
 0.5108 - val_loss: 3.0771 - val_auc_108: 0.5103
 Epoch 555/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5464 - auc_108:
 0.5041 - val_loss: 2.2529 - val_auc_108: 0.5050
 Epoch 556/700

267/267 [=====] - 1s 3ms/step - loss: 2.2790 - auc_108:
 0.5120 - val_loss: 2.2062 - val_auc_108: 0.5022
 Epoch 557/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1775 - auc_108:
 0.5057 - val_loss: 3.1454 - val_auc_108: 0.4956
 Epoch 558/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1546 - auc_108:
 0.5055 - val_loss: 3.0659 - val_auc_108: 0.5080
 Epoch 559/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4640 - auc_108:
 0.5060 - val_loss: 1.3020 - val_auc_108: 0.4987
 Epoch 560/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0452 - auc_108:
 0.5077 - val_loss: 2.0284 - val_auc_108: 0.5089
 Epoch 561/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3736 - auc_108:
 0.5087 - val_loss: 6.5211 - val_auc_108: 0.4969
 Epoch 562/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3546 - auc_108:
 0.5075 - val_loss: 2.4390 - val_auc_108: 0.5124
 Epoch 563/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9864 - auc_108:
 0.5110 - val_loss: 1.4120 - val_auc_108: 0.5099
 Epoch 564/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2128 - auc_108:
 0.5058 - val_loss: 3.4237 - val_auc_108: 0.5139
 Epoch 565/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4995 - auc_108:
 0.5059 - val_loss: 2.1626 - val_auc_108: 0.5012
 Epoch 566/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2328 - auc_108:
 0.5075 - val_loss: 2.9211 - val_auc_108: 0.5100
 Epoch 567/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0151 - auc_108:
 0.5073 - val_loss: 2.1311 - val_auc_108: 0.5113
 Epoch 568/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9827 - auc_108:
 0.5047 - val_loss: 3.3476 - val_auc_108: 0.4935
 Epoch 569/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4572 - auc_108:
 0.5062 - val_loss: 3.2302 - val_auc_108: 0.4918
 Epoch 570/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8113 - auc_108:
 0.5110 - val_loss: 1.6797 - val_auc_108: 0.5117
 Epoch 571/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1053 - auc_108:
 0.5090 - val_loss: 1.7018 - val_auc_108: 0.5117
 Epoch 572/700

267/267 [=====] - 1s 3ms/step - loss: 2.3781 - auc_108:
 0.5074 - val_loss: 2.0902 - val_auc_108: 0.5072
 Epoch 573/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8584 - auc_108:
 0.5054 - val_loss: 2.9179 - val_auc_108: 0.4991
 Epoch 574/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6707 - auc_108:
 0.5090 - val_loss: 1.7237 - val_auc_108: 0.4983
 Epoch 575/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1318 - auc_108:
 0.5044 - val_loss: 3.6464 - val_auc_108: 0.5163
 Epoch 576/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1127 - auc_108:
 0.5101 - val_loss: 1.5579 - val_auc_108: 0.5080
 Epoch 577/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4572 - auc_108:
 0.5092 - val_loss: 2.8943 - val_auc_108: 0.5037
 Epoch 578/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2566 - auc_108:
 0.5056 - val_loss: 2.0540 - val_auc_108: 0.4944
 Epoch 579/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0639 - auc_108:
 0.5049 - val_loss: 1.2570 - val_auc_108: 0.5131
 Epoch 580/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0629 - auc_108:
 0.5071 - val_loss: 3.8502 - val_auc_108: 0.5107
 Epoch 581/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8373 - auc_108:
 0.5067 - val_loss: 1.7405 - val_auc_108: 0.5114
 Epoch 582/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0058 - auc_108:
 0.5069 - val_loss: 1.7077 - val_auc_108: 0.5075
 Epoch 583/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6584 - auc_108:
 0.5090 - val_loss: 3.3486 - val_auc_108: 0.5066
 Epoch 584/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7025 - auc_108:
 0.5053 - val_loss: 5.4015 - val_auc_108: 0.5067
 Epoch 585/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3166 - auc_108:
 0.5091 - val_loss: 1.9944 - val_auc_108: 0.5002
 Epoch 586/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3938 - auc_108:
 0.5065 - val_loss: 1.5488 - val_auc_108: 0.5075
 Epoch 587/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0591 - auc_108:
 0.5075 - val_loss: 3.0082 - val_auc_108: 0.5181
 Epoch 588/700

267/267 [=====] - 1s 3ms/step - loss: 2.5475 - auc_108:
 0.5062 - val_loss: 2.6453 - val_auc_108: 0.5073
 Epoch 589/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4319 - auc_108:
 0.5048 - val_loss: 1.3832 - val_auc_108: 0.4992
 Epoch 590/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9625 - auc_108:
 0.5063 - val_loss: 1.9181 - val_auc_108: 0.5057
 Epoch 591/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2556 - auc_108:
 0.5084 - val_loss: 2.6573 - val_auc_108: 0.5075
 Epoch 592/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1314 - auc_108:
 0.5066 - val_loss: 2.9092 - val_auc_108: 0.5031
 Epoch 593/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5582 - auc_108:
 0.5032 - val_loss: 2.9079 - val_auc_108: 0.4977
 Epoch 594/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1645 - auc_108:
 0.5078 - val_loss: 1.2498 - val_auc_108: 0.4979
 Epoch 595/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4089 - auc_108:
 0.5102 - val_loss: 1.4092 - val_auc_108: 0.5023
 Epoch 596/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1152 - auc_108:
 0.5068 - val_loss: 2.2915 - val_auc_108: 0.5143
 Epoch 597/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5341 - auc_108:
 0.5049 - val_loss: 1.3675 - val_auc_108: 0.5137
 Epoch 598/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2338 - auc_108:
 0.5042 - val_loss: 3.4904 - val_auc_108: 0.5081
 Epoch 599/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9645 - auc_108:
 0.5070 - val_loss: 2.7973 - val_auc_108: 0.4941
 Epoch 600/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2631 - auc_108:
 0.5051 - val_loss: 2.1863 - val_auc_108: 0.5158
 Epoch 601/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0577 - auc_108:
 0.5087 - val_loss: 2.7851 - val_auc_108: 0.5060
 Epoch 602/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5697 - auc_108:
 0.5064 - val_loss: 1.6362 - val_auc_108: 0.5170
 Epoch 603/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2580 - auc_108:
 0.5100 - val_loss: 1.8492 - val_auc_108: 0.4979
 Epoch 604/700

267/267 [=====] - 1s 3ms/step - loss: 2.4758 - auc_108:
 0.5074 - val_loss: 1.5381 - val_auc_108: 0.5151
 Epoch 605/700
 267/267 [=====] - 1s 3ms/step - loss: 1.8415 - auc_108:
 0.5121 - val_loss: 2.1861 - val_auc_108: 0.5147
 Epoch 606/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2673 - auc_108:
 0.5060 - val_loss: 1.3132 - val_auc_108: 0.5054
 Epoch 607/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5505 - auc_108:
 0.5088 - val_loss: 3.8353 - val_auc_108: 0.5085
 Epoch 608/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6834 - auc_108:
 0.5075 - val_loss: 5.1868 - val_auc_108: 0.5089
 Epoch 609/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3232 - auc_108:
 0.5056 - val_loss: 2.5463 - val_auc_108: 0.5084
 Epoch 610/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6375 - auc_108:
 0.5064 - val_loss: 1.6129 - val_auc_108: 0.5124
 Epoch 611/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2805 - auc_108:
 0.5063 - val_loss: 1.3907 - val_auc_108: 0.5026
 Epoch 612/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4580 - auc_108:
 0.5077 - val_loss: 3.6132 - val_auc_108: 0.5006
 Epoch 613/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6383 - auc_108:
 0.5084 - val_loss: 1.9553 - val_auc_108: 0.5041
 Epoch 614/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1073 - auc_108:
 0.5100 - val_loss: 3.3197 - val_auc_108: 0.5045
 Epoch 615/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7395 - auc_108:
 0.5065 - val_loss: 0.9824 - val_auc_108: 0.5052
 Epoch 616/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4039 - auc_108:
 0.5091 - val_loss: 4.2361 - val_auc_108: 0.5113
 Epoch 617/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6415 - auc_108:
 0.5088 - val_loss: 4.2399 - val_auc_108: 0.5151
 Epoch 618/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5368 - auc_108:
 0.5084 - val_loss: 2.6698 - val_auc_108: 0.5040
 Epoch 619/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0734 - auc_108:
 0.5065 - val_loss: 1.5285 - val_auc_108: 0.5054
 Epoch 620/700

267/267 [=====] - 1s 3ms/step - loss: 2.3145 - auc_108:
 0.5089 - val_loss: 1.0693 - val_auc_108: 0.5018
 Epoch 621/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3411 - auc_108:
 0.5084 - val_loss: 2.2203 - val_auc_108: 0.5078
 Epoch 622/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2360 - auc_108:
 0.5087 - val_loss: 4.3742 - val_auc_108: 0.5108
 Epoch 623/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2483 - auc_108:
 0.5060 - val_loss: 2.3708 - val_auc_108: 0.5045
 Epoch 624/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1972 - auc_108:
 0.5096 - val_loss: 3.7153 - val_auc_108: 0.5089
 Epoch 625/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5102 - auc_108:
 0.5043 - val_loss: 1.5899 - val_auc_108: 0.5076
 Epoch 626/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6538 - auc_108:
 0.5084 - val_loss: 2.2176 - val_auc_108: 0.4936
 Epoch 627/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1492 - auc_108:
 0.5066 - val_loss: 1.8692 - val_auc_108: 0.5123
 Epoch 628/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3138 - auc_108:
 0.5091 - val_loss: 3.5975 - val_auc_108: 0.5071
 Epoch 629/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4277 - auc_108:
 0.5061 - val_loss: 2.6288 - val_auc_108: 0.5082
 Epoch 630/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6027 - auc_108:
 0.5077 - val_loss: 2.0499 - val_auc_108: 0.5139
 Epoch 631/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3574 - auc_108:
 0.5070 - val_loss: 1.5562 - val_auc_108: 0.4977
 Epoch 632/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2054 - auc_108:
 0.5095 - val_loss: 1.3352 - val_auc_108: 0.5024
 Epoch 633/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5701 - auc_108:
 0.5061 - val_loss: 2.3454 - val_auc_108: 0.4942
 Epoch 634/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2925 - auc_108:
 0.5073 - val_loss: 4.5169 - val_auc_108: 0.5013
 Epoch 635/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4410 - auc_108:
 0.5064 - val_loss: 3.5266 - val_auc_108: 0.5118
 Epoch 636/700

267/267 [=====] - 1s 3ms/step - loss: 2.2237 - auc_108:
0.5079 - val_loss: 2.4419 - val_auc_108: 0.4982
Epoch 637/700
267/267 [=====] - 1s 3ms/step - loss: 2.2110 - auc_108:
0.5083 - val_loss: 3.6584 - val_auc_108: 0.5128
Epoch 638/700
267/267 [=====] - 1s 3ms/step - loss: 2.4460 - auc_108:
0.5071 - val_loss: 1.4627 - val_auc_108: 0.5001
Epoch 639/700
267/267 [=====] - 1s 3ms/step - loss: 2.3268 - auc_108:
0.5133 - val_loss: 2.3837 - val_auc_108: 0.5124
Epoch 640/700
267/267 [=====] - 1s 3ms/step - loss: 2.2028 - auc_108:
0.5070 - val_loss: 1.6672 - val_auc_108: 0.5060
Epoch 641/700
267/267 [=====] - 1s 3ms/step - loss: 2.2629 - auc_108:
0.5073 - val_loss: 2.3082 - val_auc_108: 0.5117
Epoch 642/700
267/267 [=====] - 1s 3ms/step - loss: 2.4987 - auc_108:
0.5070 - val_loss: 4.1870 - val_auc_108: 0.5038
Epoch 643/700
267/267 [=====] - 1s 3ms/step - loss: 2.3147 - auc_108:
0.5082 - val_loss: 1.5405 - val_auc_108: 0.5117
Epoch 644/700
267/267 [=====] - 1s 3ms/step - loss: 2.5180 - auc_108:
0.5085 - val_loss: 5.6544 - val_auc_108: 0.5102
Epoch 645/700
267/267 [=====] - 1s 3ms/step - loss: 1.9459 - auc_108:
0.5115 - val_loss: 1.8150 - val_auc_108: 0.5050
Epoch 646/700
267/267 [=====] - 1s 3ms/step - loss: 2.1112 - auc_108:
0.5092 - val_loss: 3.0532 - val_auc_108: 0.5042
Epoch 647/700
267/267 [=====] - 1s 3ms/step - loss: 2.3161 - auc_108:
0.5073 - val_loss: 1.6744 - val_auc_108: 0.5135
Epoch 648/700
267/267 [=====] - 1s 3ms/step - loss: 2.3885 - auc_108:
0.5101 - val_loss: 1.4466 - val_auc_108: 0.5178
Epoch 649/700
267/267 [=====] - 1s 3ms/step - loss: 2.1711 - auc_108:
0.5089 - val_loss: 3.3278 - val_auc_108: 0.5117
Epoch 650/700
267/267 [=====] - 1s 3ms/step - loss: 2.6559 - auc_108:
0.5065 - val_loss: 2.9876 - val_auc_108: 0.5106
Epoch 651/700
267/267 [=====] - 1s 3ms/step - loss: 2.7165 - auc_108:
0.5125 - val_loss: 3.0853 - val_auc_108: 0.5025
Epoch 652/700

267/267 [=====] - 1s 3ms/step - loss: 2.4810 - auc_108:
 0.5083 - val_loss: 2.2569 - val_auc_108: 0.5049
 Epoch 653/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3950 - auc_108:
 0.5046 - val_loss: 2.0975 - val_auc_108: 0.5076
 Epoch 654/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3404 - auc_108:
 0.5122 - val_loss: 6.2847 - val_auc_108: 0.5080
 Epoch 655/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3650 - auc_108:
 0.5118 - val_loss: 2.6140 - val_auc_108: 0.5108
 Epoch 656/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2803 - auc_108:
 0.5056 - val_loss: 2.0691 - val_auc_108: 0.4926
 Epoch 657/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1765 - auc_108:
 0.5083 - val_loss: 1.7132 - val_auc_108: 0.5174
 Epoch 658/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3397 - auc_108:
 0.5119 - val_loss: 3.7458 - val_auc_108: 0.5132
 Epoch 659/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6636 - auc_108:
 0.5097 - val_loss: 1.4933 - val_auc_108: 0.5140
 Epoch 660/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5200 - auc_108:
 0.5058 - val_loss: 2.5354 - val_auc_108: 0.5060
 Epoch 661/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8768 - auc_108:
 0.5082 - val_loss: 1.7604 - val_auc_108: 0.5058
 Epoch 662/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2596 - auc_108:
 0.5108 - val_loss: 1.9649 - val_auc_108: 0.5020
 Epoch 663/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0674 - auc_108:
 0.5109 - val_loss: 2.7062 - val_auc_108: 0.5044
 Epoch 664/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0426 - auc_108:
 0.5083 - val_loss: 1.3220 - val_auc_108: 0.5118
 Epoch 665/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2256 - auc_108:
 0.5087 - val_loss: 1.9477 - val_auc_108: 0.5091
 Epoch 666/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0326 - auc_108:
 0.5088 - val_loss: 1.1580 - val_auc_108: 0.5101
 Epoch 667/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2466 - auc_108:
 0.5093 - val_loss: 2.6651 - val_auc_108: 0.5060
 Epoch 668/700

267/267 [=====] - 1s 3ms/step - loss: 2.1630 - auc_108:
 0.5101 - val_loss: 2.4712 - val_auc_108: 0.5122
 Epoch 669/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3715 - auc_108:
 0.5049 - val_loss: 2.4686 - val_auc_108: 0.5125
 Epoch 670/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3772 - auc_108:
 0.5077 - val_loss: 2.0659 - val_auc_108: 0.5019
 Epoch 671/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5269 - auc_108:
 0.5097 - val_loss: 2.7822 - val_auc_108: 0.5085
 Epoch 672/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4580 - auc_108:
 0.5030 - val_loss: 3.4058 - val_auc_108: 0.4982
 Epoch 673/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5217 - auc_108:
 0.5063 - val_loss: 3.3119 - val_auc_108: 0.5113
 Epoch 674/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2991 - auc_108:
 0.5111 - val_loss: 2.8326 - val_auc_108: 0.4966
 Epoch 675/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4987 - auc_108:
 0.5074 - val_loss: 2.6581 - val_auc_108: 0.5075
 Epoch 676/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6981 - auc_108:
 0.5062 - val_loss: 1.5747 - val_auc_108: 0.5143
 Epoch 677/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1413 - auc_108:
 0.5051 - val_loss: 1.5155 - val_auc_108: 0.5000
 Epoch 678/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3147 - auc_108:
 0.5106 - val_loss: 1.8636 - val_auc_108: 0.5092
 Epoch 679/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1102 - auc_108:
 0.5073 - val_loss: 1.8247 - val_auc_108: 0.5129
 Epoch 680/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1939 - auc_108:
 0.5037 - val_loss: 3.3301 - val_auc_108: 0.5075
 Epoch 681/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2088 - auc_108:
 0.5059 - val_loss: 2.4624 - val_auc_108: 0.5184
 Epoch 682/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1592 - auc_108:
 0.5100 - val_loss: 2.2653 - val_auc_108: 0.5009
 Epoch 683/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3671 - auc_108:
 0.5078 - val_loss: 1.7458 - val_auc_108: 0.4861
 Epoch 684/700

267/267 [=====] - 1s 3ms/step - loss: 2.4713 - auc_108:
 0.5080 - val_loss: 1.6846 - val_auc_108: 0.5217
 Epoch 685/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3674 - auc_108:
 0.5092 - val_loss: 2.2123 - val_auc_108: 0.5064
 Epoch 686/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3277 - auc_108:
 0.5073 - val_loss: 2.4077 - val_auc_108: 0.5108
 Epoch 687/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4738 - auc_108:
 0.5067 - val_loss: 2.2616 - val_auc_108: 0.5132
 Epoch 688/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3116 - auc_108:
 0.5092 - val_loss: 1.6081 - val_auc_108: 0.5019
 Epoch 689/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4717 - auc_108:
 0.5066 - val_loss: 2.5003 - val_auc_108: 0.5098
 Epoch 690/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9550 - auc_108:
 0.5070 - val_loss: 2.2258 - val_auc_108: 0.5030
 Epoch 691/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4426 - auc_108:
 0.5093 - val_loss: 1.5580 - val_auc_108: 0.5034
 Epoch 692/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4314 - auc_108:
 0.5078 - val_loss: 4.3189 - val_auc_108: 0.4994
 Epoch 693/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3269 - auc_108:
 0.5105 - val_loss: 1.7131 - val_auc_108: 0.5086
 Epoch 694/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4068 - auc_108:
 0.5088 - val_loss: 2.8401 - val_auc_108: 0.5048
 Epoch 695/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0831 - auc_108:
 0.5101 - val_loss: 3.0264 - val_auc_108: 0.5138
 Epoch 696/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2743 - auc_108:
 0.5094 - val_loss: 1.4419 - val_auc_108: 0.5030
 Epoch 697/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1177 - auc_108:
 0.5068 - val_loss: 2.4743 - val_auc_108: 0.5109
 Epoch 698/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1696 - auc_108:
 0.5081 - val_loss: 1.7621 - val_auc_108: 0.5051
 Epoch 699/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4304 - auc_108:
 0.5101 - val_loss: 2.6955 - val_auc_108: 0.5046
 Epoch 700/700


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267/267 [=====] - 1s 3ms/step - loss: 2.4662 - auc_108:
0.5104 - val_loss: 2.9909 - val_auc_108: 0.5120
625/625 [=====] - 0s 549us/step
[CV] ... epochs=700, learning_rate=0.01, score=0.510, total= 8.8min
[CV] epochs=700, learning_rate=0.01 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 3.9874 - auc_109:
0.5001 - val_loss: 3.4621 - val_auc_109: 0.5016
Epoch 2/700
267/267 [=====] - 1s 3ms/step - loss: 2.5189 - auc_109:
0.5049 - val_loss: 1.7606 - val_auc_109: 0.5096
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 2.4324 - auc_109:
0.5046 - val_loss: 2.0037 - val_auc_109: 0.5052
Epoch 4/700
267/267 [=====] - 1s 3ms/step - loss: 2.2253 - auc_109:
0.5043 - val_loss: 3.6025 - val_auc_109: 0.4951
Epoch 5/700
267/267 [=====] - 1s 3ms/step - loss: 2.1823 - auc_109:
0.5022 - val_loss: 1.3422 - val_auc_109: 0.5052
Epoch 6/700
267/267 [=====] - 1s 3ms/step - loss: 2.1584 - auc_109:
0.5054 - val_loss: 1.8188 - val_auc_109: 0.4992
Epoch 7/700
267/267 [=====] - 1s 3ms/step - loss: 2.3553 - auc_109:
0.5078 - val_loss: 1.8421 - val_auc_109: 0.5130
Epoch 8/700
267/267 [=====] - 1s 3ms/step - loss: 2.6320 - auc_109:
0.5066 - val_loss: 2.0123 - val_auc_109: 0.5059
Epoch 9/700
267/267 [=====] - 1s 3ms/step - loss: 2.1671 - auc_109:
0.5041 - val_loss: 1.9304 - val_auc_109: 0.5062
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 2.4085 - auc_109:
0.5085 - val_loss: 1.7492 - val_auc_109: 0.5163
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 2.1810 - auc_109:
0.5039 - val_loss: 2.4127 - val_auc_109: 0.4965
Epoch 12/700
267/267 [=====] - 1s 3ms/step - loss: 2.3491 - auc_109:
0.5070 - val_loss: 1.5392 - val_auc_109: 0.5019
Epoch 13/700
267/267 [=====] - 1s 3ms/step - loss: 1.7350 - auc_109:
0.5052 - val_loss: 1.4817 - val_auc_109: 0.4975
Epoch 14/700
267/267 [=====] - 1s 3ms/step - loss: 1.9971 - auc_109:
0.5029 - val_loss: 1.4075 - val_auc_109: 0.4937
Epoch 15/700

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267/267 [=====] - 1s 3ms/step - loss: 2.3497 - auc_109:
 0.5058 - val_loss: 1.6017 - val_auc_109: 0.5109
 Epoch 16/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4571 - auc_109:
 0.5052 - val_loss: 1.8935 - val_auc_109: 0.5038
 Epoch 17/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0959 - auc_109:
 0.5063 - val_loss: 1.6057 - val_auc_109: 0.5066
 Epoch 18/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4360 - auc_109:
 0.5046 - val_loss: 1.7392 - val_auc_109: 0.5109
 Epoch 19/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2846 - auc_109:
 0.5057 - val_loss: 1.7532 - val_auc_109: 0.5038
 Epoch 20/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1456 - auc_109:
 0.5051 - val_loss: 2.5980 - val_auc_109: 0.5053
 Epoch 21/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6598 - auc_109:
 0.5049 - val_loss: 2.2872 - val_auc_109: 0.5115
 Epoch 22/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4224 - auc_109:
 0.5036 - val_loss: 2.5781 - val_auc_109: 0.5030
 Epoch 23/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3258 - auc_109:
 0.5052 - val_loss: 3.2290 - val_auc_109: 0.5052
 Epoch 24/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6286 - auc_109:
 0.5058 - val_loss: 2.2298 - val_auc_109: 0.5085
 Epoch 25/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7353 - auc_109:
 0.5061 - val_loss: 1.7519 - val_auc_109: 0.5144
 Epoch 26/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6409 - auc_109:
 0.5058 - val_loss: 2.4838 - val_auc_109: 0.4951
 Epoch 27/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3470 - auc_109:
 0.5047 - val_loss: 4.9146 - val_auc_109: 0.4961
 Epoch 28/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1905 - auc_109:
 0.5046 - val_loss: 1.3257 - val_auc_109: 0.5131
 Epoch 29/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1195 - auc_109:
 0.5077 - val_loss: 2.0222 - val_auc_109: 0.4968
 Epoch 30/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2111 - auc_109:
 0.5041 - val_loss: 3.2813 - val_auc_109: 0.5032
 Epoch 31/700

267/267 [=====] - 1s 3ms/step - loss: 2.3369 - auc_109:
0.5064 - val_loss: 1.4614 - val_auc_109: 0.5113
Epoch 32/700
267/267 [=====] - 1s 3ms/step - loss: 2.4338 - auc_109:
0.5048 - val_loss: 3.2185 - val_auc_109: 0.5135
Epoch 33/700
267/267 [=====] - 1s 3ms/step - loss: 2.5312 - auc_109:
0.5066 - val_loss: 3.4990 - val_auc_109: 0.5030
Epoch 34/700
267/267 [=====] - 1s 3ms/step - loss: 2.5675 - auc_109:
0.5078 - val_loss: 3.2343 - val_auc_109: 0.4984
Epoch 35/700
267/267 [=====] - 1s 3ms/step - loss: 2.4266 - auc_109:
0.5068 - val_loss: 1.7701 - val_auc_109: 0.5091
Epoch 36/700
267/267 [=====] - 1s 3ms/step - loss: 2.3975 - auc_109:
0.5030 - val_loss: 1.5538 - val_auc_109: 0.5147
Epoch 37/700
267/267 [=====] - 1s 3ms/step - loss: 2.2879 - auc_109:
0.5088 - val_loss: 1.8298 - val_auc_109: 0.4994
Epoch 38/700
267/267 [=====] - 1s 3ms/step - loss: 2.1170 - auc_109:
0.5084 - val_loss: 1.9776 - val_auc_109: 0.5072
Epoch 39/700
267/267 [=====] - 1s 3ms/step - loss: 2.4100 - auc_109:
0.5094 - val_loss: 3.9978 - val_auc_109: 0.5101
Epoch 40/700
267/267 [=====] - 1s 3ms/step - loss: 2.1290 - auc_109:
0.5078 - val_loss: 1.3628 - val_auc_109: 0.5035
Epoch 41/700
267/267 [=====] - 1s 3ms/step - loss: 2.2503 - auc_109:
0.5066 - val_loss: 1.4722 - val_auc_109: 0.5063
Epoch 42/700
267/267 [=====] - 1s 3ms/step - loss: 2.1660 - auc_109:
0.5079 - val_loss: 1.3705 - val_auc_109: 0.5112
Epoch 43/700
267/267 [=====] - 1s 3ms/step - loss: 2.4319 - auc_109:
0.5032 - val_loss: 2.5046 - val_auc_109: 0.5041
Epoch 44/700
267/267 [=====] - 1s 3ms/step - loss: 2.0370 - auc_109:
0.5069 - val_loss: 1.3882 - val_auc_109: 0.4985
Epoch 45/700
267/267 [=====] - 1s 3ms/step - loss: 2.2676 - auc_109:
0.5080 - val_loss: 1.6194 - val_auc_109: 0.5141
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 2.2907 - auc_109:
0.5061 - val_loss: 4.1454 - val_auc_109: 0.5115
Epoch 47/700

267/267 [=====] - 1s 3ms/step - loss: 2.2542 - auc_109:
0.5047 - val_loss: 2.9636 - val_auc_109: 0.5063
Epoch 48/700
267/267 [=====] - 1s 3ms/step - loss: 2.5497 - auc_109:
0.5052 - val_loss: 3.0603 - val_auc_109: 0.5088
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 2.2152 - auc_109:
0.5061 - val_loss: 1.8379 - val_auc_109: 0.5045
Epoch 50/700
267/267 [=====] - 1s 3ms/step - loss: 2.4741 - auc_109:
0.5055 - val_loss: 1.2804 - val_auc_109: 0.5074
Epoch 51/700
267/267 [=====] - 1s 3ms/step - loss: 2.2571 - auc_109:
0.5085 - val_loss: 1.5839 - val_auc_109: 0.5029
Epoch 52/700
267/267 [=====] - 1s 3ms/step - loss: 2.1936 - auc_109:
0.5082 - val_loss: 3.2892 - val_auc_109: 0.4970
Epoch 53/700
267/267 [=====] - 1s 3ms/step - loss: 2.2865 - auc_109:
0.5072 - val_loss: 2.0762 - val_auc_109: 0.5037
Epoch 54/700
267/267 [=====] - 1s 3ms/step - loss: 2.4368 - auc_109:
0.5074 - val_loss: 1.3197 - val_auc_109: 0.5068
Epoch 55/700
267/267 [=====] - 1s 3ms/step - loss: 2.3227 - auc_109:
0.5075 - val_loss: 2.0347 - val_auc_109: 0.5099
Epoch 56/700
267/267 [=====] - 1s 3ms/step - loss: 2.3475 - auc_109:
0.5067 - val_loss: 2.3458 - val_auc_109: 0.5124
Epoch 57/700
267/267 [=====] - 1s 3ms/step - loss: 2.1577 - auc_109:
0.5078 - val_loss: 2.0923 - val_auc_109: 0.5112
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 1.9416 - auc_109:
0.5079 - val_loss: 2.3678 - val_auc_109: 0.5001
Epoch 59/700
267/267 [=====] - 1s 3ms/step - loss: 2.4285 - auc_109:
0.5024 - val_loss: 3.5656 - val_auc_109: 0.5148
Epoch 60/700
267/267 [=====] - 1s 3ms/step - loss: 2.2689 - auc_109:
0.5066 - val_loss: 3.1688 - val_auc_109: 0.5050
Epoch 61/700
267/267 [=====] - 1s 3ms/step - loss: 2.4797 - auc_109:
0.5034 - val_loss: 2.1194 - val_auc_109: 0.5082
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 2.4219 - auc_109:
0.5085 - val_loss: 1.9556 - val_auc_109: 0.5151
Epoch 63/700

267/267 [=====] - 1s 3ms/step - loss: 2.8888 - auc_109:
 0.5065 - val_loss: 1.5033 - val_auc_109: 0.5095
 Epoch 64/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2826 - auc_109:
 0.5067 - val_loss: 3.0710 - val_auc_109: 0.5096
 Epoch 65/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1567 - auc_109:
 0.5067 - val_loss: 1.7309 - val_auc_109: 0.5039
 Epoch 66/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0541 - auc_109:
 0.5020 - val_loss: 5.5067 - val_auc_109: 0.5036
 Epoch 67/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3566 - auc_109:
 0.5054 - val_loss: 3.5309 - val_auc_109: 0.5112
 Epoch 68/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2505 - auc_109:
 0.5082 - val_loss: 1.6251 - val_auc_109: 0.5116
 Epoch 69/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7491 - auc_109:
 0.5057 - val_loss: 1.5875 - val_auc_109: 0.5138
 Epoch 70/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0200 - auc_109:
 0.5107 - val_loss: 1.4980 - val_auc_109: 0.5087
 Epoch 71/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4274 - auc_109:
 0.5065 - val_loss: 2.2279 - val_auc_109: 0.5060
 Epoch 72/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3763 - auc_109:
 0.5049 - val_loss: 4.2230 - val_auc_109: 0.4988
 Epoch 73/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3896 - auc_109:
 0.5054 - val_loss: 1.5884 - val_auc_109: 0.5077
 Epoch 74/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4815 - auc_109:
 0.5064 - val_loss: 2.3109 - val_auc_109: 0.5067
 Epoch 75/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6731 - auc_109:
 0.5089 - val_loss: 2.9879 - val_auc_109: 0.5076
 Epoch 76/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3889 - auc_109:
 0.5068 - val_loss: 2.4871 - val_auc_109: 0.5108
 Epoch 77/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1520 - auc_109:
 0.5038 - val_loss: 1.8559 - val_auc_109: 0.5067
 Epoch 78/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6488 - auc_109:
 0.5018 - val_loss: 4.2072 - val_auc_109: 0.5044
 Epoch 79/700

267/267 [=====] - 1s 3ms/step - loss: 2.5191 - auc_109:
0.5059 - val_loss: 2.2558 - val_auc_109: 0.5048
Epoch 80/700
267/267 [=====] - 1s 3ms/step - loss: 2.1289 - auc_109:
0.5078 - val_loss: 1.2680 - val_auc_109: 0.5001
Epoch 81/700
267/267 [=====] - 1s 3ms/step - loss: 2.4533 - auc_109:
0.5087 - val_loss: 3.1574 - val_auc_109: 0.5042
Epoch 82/700
267/267 [=====] - 1s 3ms/step - loss: 2.3360 - auc_109:
0.5070 - val_loss: 1.8798 - val_auc_109: 0.5045
Epoch 83/700
267/267 [=====] - 1s 3ms/step - loss: 2.3388 - auc_109:
0.5029 - val_loss: 3.2611 - val_auc_109: 0.5067
Epoch 84/700
267/267 [=====] - 1s 3ms/step - loss: 2.7232 - auc_109:
0.5057 - val_loss: 2.6981 - val_auc_109: 0.5067
Epoch 85/700
267/267 [=====] - 1s 3ms/step - loss: 2.2972 - auc_109:
0.5079 - val_loss: 2.9091 - val_auc_109: 0.5068
Epoch 86/700
267/267 [=====] - 1s 3ms/step - loss: 2.2069 - auc_109:
0.5067 - val_loss: 3.3294 - val_auc_109: 0.5088
Epoch 87/700
267/267 [=====] - 1s 3ms/step - loss: 2.3205 - auc_109:
0.5059 - val_loss: 2.8713 - val_auc_109: 0.4977
Epoch 88/700
267/267 [=====] - 1s 3ms/step - loss: 2.1591 - auc_109:
0.5076 - val_loss: 2.1628 - val_auc_109: 0.4999
Epoch 89/700
267/267 [=====] - 1s 3ms/step - loss: 2.1367 - auc_109:
0.5079 - val_loss: 1.5504 - val_auc_109: 0.5054
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 2.0937 - auc_109:
0.5047 - val_loss: 1.7421 - val_auc_109: 0.5043
Epoch 91/700
267/267 [=====] - 1s 3ms/step - loss: 2.2842 - auc_109:
0.5048 - val_loss: 2.2440 - val_auc_109: 0.5049
Epoch 92/700
267/267 [=====] - 1s 3ms/step - loss: 2.0875 - auc_109:
0.5121 - val_loss: 1.7459 - val_auc_109: 0.5098
Epoch 93/700
267/267 [=====] - 1s 3ms/step - loss: 2.1280 - auc_109:
0.5047 - val_loss: 1.8049 - val_auc_109: 0.5117
Epoch 94/700
267/267 [=====] - 1s 3ms/step - loss: 2.3423 - auc_109:
0.5079 - val_loss: 3.3444 - val_auc_109: 0.4973
Epoch 95/700

267/267 [=====] - 1s 3ms/step - loss: 2.5997 - auc_109:
 0.5054 - val_loss: 1.9859 - val_auc_109: 0.5065
 Epoch 96/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2616 - auc_109:
 0.5091 - val_loss: 4.2120 - val_auc_109: 0.5027
 Epoch 97/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3478 - auc_109:
 0.5041 - val_loss: 3.6760 - val_auc_109: 0.4922
 Epoch 98/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3902 - auc_109:
 0.5043 - val_loss: 1.8652 - val_auc_109: 0.5127
 Epoch 99/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3290 - auc_109:
 0.5105 - val_loss: 1.2051 - val_auc_109: 0.4895
 Epoch 100/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9221 - auc_109:
 0.5122 - val_loss: 1.8098 - val_auc_109: 0.5067
 Epoch 101/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1797 - auc_109:
 0.5083 - val_loss: 2.1727 - val_auc_109: 0.5006
 Epoch 102/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9513 - auc_109:
 0.5099 - val_loss: 3.3245 - val_auc_109: 0.5034
 Epoch 103/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1125 - auc_109:
 0.5103 - val_loss: 1.1730 - val_auc_109: 0.4949
 Epoch 104/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1555 - auc_109:
 0.5071 - val_loss: 2.2969 - val_auc_109: 0.5070
 Epoch 105/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1553 - auc_109:
 0.5088 - val_loss: 1.0842 - val_auc_109: 0.5094
 Epoch 106/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4214 - auc_109:
 0.5059 - val_loss: 2.3551 - val_auc_109: 0.4984
 Epoch 107/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4999 - auc_109:
 0.5046 - val_loss: 1.5402 - val_auc_109: 0.5101
 Epoch 108/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2080 - auc_109:
 0.5082 - val_loss: 1.9133 - val_auc_109: 0.5067
 Epoch 109/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3777 - auc_109:
 0.5076 - val_loss: 1.7937 - val_auc_109: 0.4986
 Epoch 110/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8795 - auc_109:
 0.5070 - val_loss: 2.9345 - val_auc_109: 0.5139
 Epoch 111/700

267/267 [=====] - 1s 3ms/step - loss: 2.4059 - auc_109:
0.5085 - val_loss: 1.5651 - val_auc_109: 0.4982
Epoch 112/700
267/267 [=====] - 1s 3ms/step - loss: 2.3982 - auc_109:
0.5056 - val_loss: 2.6411 - val_auc_109: 0.5093
Epoch 113/700
267/267 [=====] - 1s 3ms/step - loss: 2.1316 - auc_109:
0.5046 - val_loss: 2.3122 - val_auc_109: 0.4992
Epoch 114/700
267/267 [=====] - 1s 3ms/step - loss: 2.0893 - auc_109:
0.5085 - val_loss: 2.4450 - val_auc_109: 0.4916
Epoch 115/700
267/267 [=====] - 1s 3ms/step - loss: 2.5871 - auc_109:
0.5049 - val_loss: 2.6750 - val_auc_109: 0.5141
Epoch 116/700
267/267 [=====] - 1s 3ms/step - loss: 2.8101 - auc_109:
0.5068 - val_loss: 1.3402 - val_auc_109: 0.4989
Epoch 117/700
267/267 [=====] - 1s 3ms/step - loss: 2.5611 - auc_109:
0.5045 - val_loss: 4.4303 - val_auc_109: 0.5041
Epoch 118/700
267/267 [=====] - 1s 3ms/step - loss: 2.4244 - auc_109:
0.5044 - val_loss: 2.1692 - val_auc_109: 0.5160
Epoch 119/700
267/267 [=====] - 1s 3ms/step - loss: 2.2661 - auc_109:
0.5041 - val_loss: 1.4442 - val_auc_109: 0.4860
Epoch 120/700
267/267 [=====] - 1s 3ms/step - loss: 2.3395 - auc_109:
0.5095 - val_loss: 2.4749 - val_auc_109: 0.4931
Epoch 121/700
267/267 [=====] - 1s 3ms/step - loss: 2.4090 - auc_109:
0.5056 - val_loss: 2.9207 - val_auc_109: 0.5101
Epoch 122/700
267/267 [=====] - 1s 3ms/step - loss: 2.2367 - auc_109:
0.5078 - val_loss: 2.1704 - val_auc_109: 0.5067
Epoch 123/700
267/267 [=====] - 1s 3ms/step - loss: 2.5390 - auc_109:
0.5080 - val_loss: 4.9982 - val_auc_109: 0.5103
Epoch 124/700
267/267 [=====] - 1s 3ms/step - loss: 2.6628 - auc_109:
0.5080 - val_loss: 2.3847 - val_auc_109: 0.4976
Epoch 125/700
267/267 [=====] - 1s 3ms/step - loss: 2.2030 - auc_109:
0.5064 - val_loss: 1.1733 - val_auc_109: 0.5008
Epoch 126/700
267/267 [=====] - 1s 3ms/step - loss: 2.5508 - auc_109:
0.5064 - val_loss: 3.0377 - val_auc_109: 0.5149
Epoch 127/700

267/267 [=====] - 1s 3ms/step - loss: 1.9676 - auc_109:
 0.5114 - val_loss: 2.2482 - val_auc_109: 0.4999
 Epoch 128/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3302 - auc_109:
 0.5085 - val_loss: 2.2115 - val_auc_109: 0.4970
 Epoch 129/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3867 - auc_109:
 0.5052 - val_loss: 1.6716 - val_auc_109: 0.5016
 Epoch 130/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3878 - auc_109:
 0.5060 - val_loss: 1.5660 - val_auc_109: 0.5134
 Epoch 131/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2023 - auc_109:
 0.5083 - val_loss: 1.9065 - val_auc_109: 0.4976
 Epoch 132/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6515 - auc_109:
 0.5061 - val_loss: 2.2149 - val_auc_109: 0.5067
 Epoch 133/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4594 - auc_109:
 0.5097 - val_loss: 2.3344 - val_auc_109: 0.5091
 Epoch 134/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9897 - auc_109:
 0.5089 - val_loss: 2.1792 - val_auc_109: 0.5093
 Epoch 135/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9530 - auc_109:
 0.5099 - val_loss: 1.3586 - val_auc_109: 0.5052
 Epoch 136/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3537 - auc_109:
 0.5107 - val_loss: 0.9641 - val_auc_109: 0.5180
 Epoch 137/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2548 - auc_109:
 0.5080 - val_loss: 1.8900 - val_auc_109: 0.5038
 Epoch 138/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2914 - auc_109:
 0.5043 - val_loss: 2.4290 - val_auc_109: 0.5143
 Epoch 139/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2471 - auc_109:
 0.5081 - val_loss: 1.7289 - val_auc_109: 0.5057
 Epoch 140/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9774 - auc_109:
 0.5073 - val_loss: 2.5284 - val_auc_109: 0.5033
 Epoch 141/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3280 - auc_109:
 0.5065 - val_loss: 3.8320 - val_auc_109: 0.5034
 Epoch 142/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4673 - auc_109:
 0.5079 - val_loss: 1.1259 - val_auc_109: 0.5030
 Epoch 143/700

267/267 [=====] - 1s 3ms/step - loss: 2.0307 - auc_109:
 0.5089 - val_loss: 4.1328 - val_auc_109: 0.5104
 Epoch 144/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0423 - auc_109:
 0.5085 - val_loss: 1.9115 - val_auc_109: 0.5067
 Epoch 145/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2562 - auc_109:
 0.5094 - val_loss: 2.3673 - val_auc_109: 0.5076
 Epoch 146/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5550 - auc_109:
 0.5038 - val_loss: 1.6839 - val_auc_109: 0.5091
 Epoch 147/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4692 - auc_109:
 0.5058 - val_loss: 4.9961 - val_auc_109: 0.5049
 Epoch 148/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7207 - auc_109:
 0.5094 - val_loss: 2.7272 - val_auc_109: 0.5038
 Epoch 149/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3598 - auc_109:
 0.5062 - val_loss: 0.9095 - val_auc_109: 0.5065
 Epoch 150/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1947 - auc_109:
 0.5077 - val_loss: 2.0874 - val_auc_109: 0.5127
 Epoch 151/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2565 - auc_109:
 0.5073 - val_loss: 0.9874 - val_auc_109: 0.5125
 Epoch 152/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3709 - auc_109:
 0.5076 - val_loss: 3.1134 - val_auc_109: 0.5095
 Epoch 153/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4711 - auc_109:
 0.5090 - val_loss: 2.3803 - val_auc_109: 0.5033
 Epoch 154/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2777 - auc_109:
 0.5111 - val_loss: 3.3939 - val_auc_109: 0.4876
 Epoch 155/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8641 - auc_109:
 0.5080 - val_loss: 3.1060 - val_auc_109: 0.5037
 Epoch 156/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2888 - auc_109:
 0.5115 - val_loss: 4.0099 - val_auc_109: 0.5088
 Epoch 157/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4691 - auc_109:
 0.5054 - val_loss: 1.5852 - val_auc_109: 0.5126
 Epoch 158/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4801 - auc_109:
 0.5069 - val_loss: 1.4974 - val_auc_109: 0.4940
 Epoch 159/700

267/267 [=====] - 1s 3ms/step - loss: 2.2321 - auc_109:
0.5088 - val_loss: 1.8198 - val_auc_109: 0.5058
Epoch 160/700
267/267 [=====] - 1s 3ms/step - loss: 2.0425 - auc_109:
0.5061 - val_loss: 1.4744 - val_auc_109: 0.4932
Epoch 161/700
267/267 [=====] - 1s 3ms/step - loss: 2.3067 - auc_109:
0.5044 - val_loss: 1.5478 - val_auc_109: 0.5091
Epoch 162/700
267/267 [=====] - 1s 3ms/step - loss: 2.2308 - auc_109:
0.5076 - val_loss: 1.2616 - val_auc_109: 0.4979
Epoch 163/700
267/267 [=====] - 1s 3ms/step - loss: 2.1883 - auc_109:
0.5049 - val_loss: 2.5749 - val_auc_109: 0.5057
Epoch 164/700
267/267 [=====] - 1s 3ms/step - loss: 2.0860 - auc_109:
0.5079 - val_loss: 2.6865 - val_auc_109: 0.5103
Epoch 165/700
267/267 [=====] - 1s 3ms/step - loss: 2.6775 - auc_109:
0.5044 - val_loss: 4.0853 - val_auc_109: 0.5132
Epoch 166/700
267/267 [=====] - 1s 3ms/step - loss: 2.3193 - auc_109:
0.5105 - val_loss: 1.8613 - val_auc_109: 0.5016
Epoch 167/700
267/267 [=====] - 1s 3ms/step - loss: 2.3223 - auc_109:
0.5091 - val_loss: 2.3070 - val_auc_109: 0.5039
Epoch 168/700
267/267 [=====] - 1s 3ms/step - loss: 2.4239 - auc_109:
0.5072 - val_loss: 1.4834 - val_auc_109: 0.5074
Epoch 169/700
267/267 [=====] - 1s 3ms/step - loss: 2.2549 - auc_109:
0.5036 - val_loss: 2.1703 - val_auc_109: 0.4984
Epoch 170/700
267/267 [=====] - 1s 3ms/step - loss: 2.0279 - auc_109:
0.5076 - val_loss: 1.8671 - val_auc_109: 0.5097
Epoch 171/700
267/267 [=====] - 1s 3ms/step - loss: 2.5583 - auc_109:
0.5101 - val_loss: 1.3952 - val_auc_109: 0.5152
Epoch 172/700
267/267 [=====] - 1s 3ms/step - loss: 2.3490 - auc_109:
0.5078 - val_loss: 1.7710 - val_auc_109: 0.4959
Epoch 173/700
267/267 [=====] - 1s 3ms/step - loss: 2.4234 - auc_109:
0.5074 - val_loss: 1.6458 - val_auc_109: 0.5054
Epoch 174/700
267/267 [=====] - 1s 3ms/step - loss: 2.2567 - auc_109:
0.5082 - val_loss: 2.2718 - val_auc_109: 0.5132
Epoch 175/700

267/267 [=====] - 1s 3ms/step - loss: 2.2104 - auc_109:
 0.5070 - val_loss: 2.3689 - val_auc_109: 0.5059
 Epoch 176/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4459 - auc_109:
 0.5068 - val_loss: 1.4389 - val_auc_109: 0.5019
 Epoch 177/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4167 - auc_109:
 0.5055 - val_loss: 1.4759 - val_auc_109: 0.4962
 Epoch 178/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1155 - auc_109:
 0.5069 - val_loss: 1.1882 - val_auc_109: 0.4944
 Epoch 179/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2470 - auc_109:
 0.5078 - val_loss: 1.5536 - val_auc_109: 0.5141
 Epoch 180/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5182 - auc_109:
 0.5123 - val_loss: 1.3954 - val_auc_109: 0.5078
 Epoch 181/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2569 - auc_109:
 0.5092 - val_loss: 2.6672 - val_auc_109: 0.5007
 Epoch 182/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4072 - auc_109:
 0.5083 - val_loss: 2.5587 - val_auc_109: 0.5090
 Epoch 183/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5734 - auc_109:
 0.5086 - val_loss: 2.9088 - val_auc_109: 0.5137
 Epoch 184/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3531 - auc_109:
 0.5059 - val_loss: 2.2984 - val_auc_109: 0.5074
 Epoch 185/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2369 - auc_109:
 0.5057 - val_loss: 3.0831 - val_auc_109: 0.4899
 Epoch 186/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4077 - auc_109:
 0.5066 - val_loss: 2.6218 - val_auc_109: 0.5135
 Epoch 187/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5282 - auc_109:
 0.5076 - val_loss: 3.9992 - val_auc_109: 0.5038
 Epoch 188/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4924 - auc_109:
 0.5072 - val_loss: 1.8166 - val_auc_109: 0.5142
 Epoch 189/700
 267/267 [=====] - 1s 3ms/step - loss: 3.1036 - auc_109:
 0.5082 - val_loss: 1.2809 - val_auc_109: 0.5079
 Epoch 190/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9723 - auc_109:
 0.5086 - val_loss: 2.1279 - val_auc_109: 0.4960
 Epoch 191/700

267/267 [=====] - 1s 3ms/step - loss: 2.3671 - auc_109:
 0.5039 - val_loss: 1.2766 - val_auc_109: 0.5122
 Epoch 192/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1033 - auc_109:
 0.5110 - val_loss: 2.5847 - val_auc_109: 0.5042
 Epoch 193/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0429 - auc_109:
 0.5090 - val_loss: 2.9238 - val_auc_109: 0.5046
 Epoch 194/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0888 - auc_109:
 0.5070 - val_loss: 2.7437 - val_auc_109: 0.5113
 Epoch 195/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6090 - auc_109:
 0.5045 - val_loss: 1.1688 - val_auc_109: 0.5079
 Epoch 196/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1690 - auc_109:
 0.5071 - val_loss: 2.4179 - val_auc_109: 0.4987
 Epoch 197/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9005 - auc_109:
 0.5056 - val_loss: 2.5847 - val_auc_109: 0.5082
 Epoch 198/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3477 - auc_109:
 0.5102 - val_loss: 1.8661 - val_auc_109: 0.5110
 Epoch 199/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4616 - auc_109:
 0.5053 - val_loss: 2.0675 - val_auc_109: 0.4926
 Epoch 200/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6564 - auc_109:
 0.5083 - val_loss: 2.4193 - val_auc_109: 0.5049
 Epoch 201/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3775 - auc_109:
 0.5078 - val_loss: 1.5469 - val_auc_109: 0.4988
 Epoch 202/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4012 - auc_109:
 0.5068 - val_loss: 1.4182 - val_auc_109: 0.4995
 Epoch 203/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2102 - auc_109:
 0.5103 - val_loss: 1.5816 - val_auc_109: 0.4962
 Epoch 204/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6417 - auc_109:
 0.5096 - val_loss: 1.6540 - val_auc_109: 0.4997
 Epoch 205/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4655 - auc_109:
 0.5066 - val_loss: 4.5459 - val_auc_109: 0.4987
 Epoch 206/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1126 - auc_109:
 0.5066 - val_loss: 2.8586 - val_auc_109: 0.5066
 Epoch 207/700

267/267 [=====] - 1s 3ms/step - loss: 2.5680 - auc_109:
 0.5082 - val_loss: 3.0695 - val_auc_109: 0.5018
 Epoch 208/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1508 - auc_109:
 0.5094 - val_loss: 1.8669 - val_auc_109: 0.5063
 Epoch 209/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2975 - auc_109:
 0.5078 - val_loss: 1.4213 - val_auc_109: 0.5155
 Epoch 210/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3963 - auc_109:
 0.5083 - val_loss: 2.5675 - val_auc_109: 0.4980
 Epoch 211/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4496 - auc_109:
 0.5076 - val_loss: 1.7278 - val_auc_109: 0.5082
 Epoch 212/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0762 - auc_109:
 0.5108 - val_loss: 2.2750 - val_auc_109: 0.5126
 Epoch 213/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3803 - auc_109:
 0.5082 - val_loss: 4.6508 - val_auc_109: 0.4965
 Epoch 214/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3266 - auc_109:
 0.5074 - val_loss: 3.6176 - val_auc_109: 0.4997
 Epoch 215/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2405 - auc_109:
 0.5105 - val_loss: 1.8873 - val_auc_109: 0.5116
 Epoch 216/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1828 - auc_109:
 0.5086 - val_loss: 2.4201 - val_auc_109: 0.4987
 Epoch 217/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0615 - auc_109:
 0.5093 - val_loss: 1.9769 - val_auc_109: 0.5111
 Epoch 218/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4062 - auc_109:
 0.5095 - val_loss: 1.5754 - val_auc_109: 0.5071
 Epoch 219/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4740 - auc_109:
 0.5053 - val_loss: 4.1138 - val_auc_109: 0.4969
 Epoch 220/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4650 - auc_109:
 0.5050 - val_loss: 2.5894 - val_auc_109: 0.5103
 Epoch 221/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1414 - auc_109:
 0.5091 - val_loss: 1.3141 - val_auc_109: 0.5015
 Epoch 222/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0380 - auc_109:
 0.5091 - val_loss: 2.4283 - val_auc_109: 0.5076
 Epoch 223/700

267/267 [=====] - 1s 3ms/step - loss: 2.3135 - auc_109:
 0.5096 - val_loss: 2.4573 - val_auc_109: 0.5054
 Epoch 224/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5083 - auc_109:
 0.5098 - val_loss: 4.3162 - val_auc_109: 0.5105
 Epoch 225/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1163 - auc_109:
 0.5093 - val_loss: 3.4805 - val_auc_109: 0.5004
 Epoch 226/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2674 - auc_109:
 0.5077 - val_loss: 1.5394 - val_auc_109: 0.5076
 Epoch 227/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1054 - auc_109:
 0.5072 - val_loss: 2.2465 - val_auc_109: 0.5035
 Epoch 228/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2748 - auc_109:
 0.5064 - val_loss: 1.8756 - val_auc_109: 0.4999
 Epoch 229/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0791 - auc_109:
 0.5093 - val_loss: 2.3011 - val_auc_109: 0.5113
 Epoch 230/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3167 - auc_109:
 0.5122 - val_loss: 1.3418 - val_auc_109: 0.5166
 Epoch 231/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2664 - auc_109:
 0.5053 - val_loss: 2.2059 - val_auc_109: 0.5055
 Epoch 232/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2023 - auc_109:
 0.5071 - val_loss: 1.7811 - val_auc_109: 0.5086
 Epoch 233/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1532 - auc_109:
 0.5053 - val_loss: 2.5465 - val_auc_109: 0.5051
 Epoch 234/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0159 - auc_109:
 0.5061 - val_loss: 1.9514 - val_auc_109: 0.4951
 Epoch 235/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1954 - auc_109:
 0.5061 - val_loss: 1.5785 - val_auc_109: 0.5015
 Epoch 236/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1438 - auc_109:
 0.5072 - val_loss: 2.3386 - val_auc_109: 0.5001
 Epoch 237/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1564 - auc_109:
 0.5124 - val_loss: 1.8341 - val_auc_109: 0.4968
 Epoch 238/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4373 - auc_109:
 0.5040 - val_loss: 2.2091 - val_auc_109: 0.5063
 Epoch 239/700

267/267 [=====] - 1s 3ms/step - loss: 2.6485 - auc_109:
 0.5039 - val_loss: 2.3157 - val_auc_109: 0.5135
 Epoch 240/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9547 - auc_109:
 0.5120 - val_loss: 2.2137 - val_auc_109: 0.5084
 Epoch 241/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2490 - auc_109:
 0.5077 - val_loss: 1.5666 - val_auc_109: 0.5150
 Epoch 242/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5100 - auc_109:
 0.5112 - val_loss: 3.1035 - val_auc_109: 0.5046
 Epoch 243/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6030 - auc_109:
 0.5072 - val_loss: 2.0879 - val_auc_109: 0.5088
 Epoch 244/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1264 - auc_109:
 0.5069 - val_loss: 4.3843 - val_auc_109: 0.5153
 Epoch 245/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2012 - auc_109:
 0.5072 - val_loss: 1.4417 - val_auc_109: 0.5023
 Epoch 246/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7403 - auc_109:
 0.5082 - val_loss: 2.4014 - val_auc_109: 0.5081
 Epoch 247/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6786 - auc_109:
 0.5100 - val_loss: 1.2978 - val_auc_109: 0.5061
 Epoch 248/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4675 - auc_109:
 0.5049 - val_loss: 3.7579 - val_auc_109: 0.5045
 Epoch 249/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3235 - auc_109:
 0.5081 - val_loss: 2.9265 - val_auc_109: 0.5047
 Epoch 250/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3929 - auc_109:
 0.5076 - val_loss: 1.5014 - val_auc_109: 0.5134
 Epoch 251/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1710 - auc_109:
 0.5074 - val_loss: 2.9561 - val_auc_109: 0.4981
 Epoch 252/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3714 - auc_109:
 0.5059 - val_loss: 1.4830 - val_auc_109: 0.5147
 Epoch 253/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0248 - auc_109:
 0.5082 - val_loss: 1.6742 - val_auc_109: 0.5062
 Epoch 254/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7771 - auc_109:
 0.5061 - val_loss: 2.1857 - val_auc_109: 0.5084
 Epoch 255/700

267/267 [=====] - 1s 3ms/step - loss: 2.2141 - auc_109:
0.5068 - val_loss: 2.7240 - val_auc_109: 0.5026
Epoch 256/700
267/267 [=====] - 1s 3ms/step - loss: 2.2674 - auc_109:
0.5094 - val_loss: 2.3359 - val_auc_109: 0.4988
Epoch 257/700
267/267 [=====] - 1s 3ms/step - loss: 3.1605 - auc_109:
0.5073 - val_loss: 4.1935 - val_auc_109: 0.4967
Epoch 258/700
267/267 [=====] - 1s 3ms/step - loss: 2.2654 - auc_109:
0.5071 - val_loss: 2.0682 - val_auc_109: 0.5163
Epoch 259/700
267/267 [=====] - 1s 3ms/step - loss: 2.1653 - auc_109:
0.5084 - val_loss: 3.0280 - val_auc_109: 0.5108
Epoch 260/700
267/267 [=====] - 1s 3ms/step - loss: 2.1925 - auc_109:
0.5037 - val_loss: 4.8623 - val_auc_109: 0.4923
Epoch 261/700
267/267 [=====] - 1s 3ms/step - loss: 2.5646 - auc_109:
0.5089 - val_loss: 1.8389 - val_auc_109: 0.4913
Epoch 262/700
267/267 [=====] - 1s 3ms/step - loss: 2.4077 - auc_109:
0.5105 - val_loss: 2.1035 - val_auc_109: 0.5093
Epoch 263/700
267/267 [=====] - 1s 3ms/step - loss: 2.1748 - auc_109:
0.5060 - val_loss: 1.5034 - val_auc_109: 0.4929
Epoch 264/700
267/267 [=====] - 1s 3ms/step - loss: 2.1732 - auc_109:
0.5051 - val_loss: 1.9596 - val_auc_109: 0.5130
Epoch 265/700
267/267 [=====] - 1s 3ms/step - loss: 2.2935 - auc_109:
0.5059 - val_loss: 2.3082 - val_auc_109: 0.5135
Epoch 266/700
267/267 [=====] - 1s 3ms/step - loss: 2.1892 - auc_109:
0.5073 - val_loss: 2.4714 - val_auc_109: 0.4960
Epoch 267/700
267/267 [=====] - 1s 3ms/step - loss: 2.3580 - auc_109:
0.5104 - val_loss: 4.0599 - val_auc_109: 0.5057
Epoch 268/700
267/267 [=====] - 1s 3ms/step - loss: 2.2461 - auc_109:
0.5076 - val_loss: 3.9444 - val_auc_109: 0.5098
Epoch 269/700
267/267 [=====] - 1s 3ms/step - loss: 2.2723 - auc_109:
0.5104 - val_loss: 2.7711 - val_auc_109: 0.5029
Epoch 270/700
267/267 [=====] - 1s 3ms/step - loss: 2.3653 - auc_109:
0.5098 - val_loss: 1.4175 - val_auc_109: 0.5054
Epoch 271/700

267/267 [=====] - 1s 3ms/step - loss: 2.1749 - auc_109:
 0.5068 - val_loss: 2.3620 - val_auc_109: 0.5003
 Epoch 272/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1194 - auc_109:
 0.5102 - val_loss: 1.6385 - val_auc_109: 0.5051
 Epoch 273/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2804 - auc_109:
 0.5074 - val_loss: 1.9418 - val_auc_109: 0.4965
 Epoch 274/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7184 - auc_109:
 0.5102 - val_loss: 2.4445 - val_auc_109: 0.5026
 Epoch 275/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9753 - auc_109:
 0.5058 - val_loss: 1.8445 - val_auc_109: 0.5063
 Epoch 276/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3697 - auc_109:
 0.5080 - val_loss: 2.9417 - val_auc_109: 0.5063
 Epoch 277/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2958 - auc_109:
 0.5090 - val_loss: 2.2342 - val_auc_109: 0.5104
 Epoch 278/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3355 - auc_109:
 0.5108 - val_loss: 1.7246 - val_auc_109: 0.5036
 Epoch 279/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4215 - auc_109:
 0.5078 - val_loss: 1.7768 - val_auc_109: 0.5111
 Epoch 280/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0432 - auc_109:
 0.5065 - val_loss: 1.8693 - val_auc_109: 0.5097
 Epoch 281/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0199 - auc_109:
 0.5089 - val_loss: 1.6411 - val_auc_109: 0.4958
 Epoch 282/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2170 - auc_109:
 0.5101 - val_loss: 1.5744 - val_auc_109: 0.4987
 Epoch 283/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0574 - auc_109:
 0.5078 - val_loss: 1.5995 - val_auc_109: 0.5014
 Epoch 284/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8247 - auc_109:
 0.5080 - val_loss: 2.2781 - val_auc_109: 0.4996
 Epoch 285/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2206 - auc_109:
 0.5079 - val_loss: 1.9394 - val_auc_109: 0.5108
 Epoch 286/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4166 - auc_109:
 0.5063 - val_loss: 1.9798 - val_auc_109: 0.5060
 Epoch 287/700

267/267 [=====] - 1s 3ms/step - loss: 2.3170 - auc_109:
 0.5104 - val_loss: 1.8123 - val_auc_109: 0.5009
 Epoch 288/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4606 - auc_109:
 0.5013 - val_loss: 2.0421 - val_auc_109: 0.5093
 Epoch 289/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4024 - auc_109:
 0.5065 - val_loss: 1.7449 - val_auc_109: 0.5028
 Epoch 290/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1279 - auc_109:
 0.5111 - val_loss: 2.0323 - val_auc_109: 0.5024
 Epoch 291/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5077 - auc_109:
 0.5047 - val_loss: 2.1434 - val_auc_109: 0.5081
 Epoch 292/700
 267/267 [=====] - 1s 3ms/step - loss: 1.8662 - auc_109:
 0.5065 - val_loss: 1.8371 - val_auc_109: 0.4981
 Epoch 293/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7312 - auc_109:
 0.5045 - val_loss: 2.0180 - val_auc_109: 0.5027
 Epoch 294/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4806 - auc_109:
 0.5074 - val_loss: 3.3975 - val_auc_109: 0.5036
 Epoch 295/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3709 - auc_109:
 0.5089 - val_loss: 2.9968 - val_auc_109: 0.5053
 Epoch 296/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1932 - auc_109:
 0.5106 - val_loss: 2.9789 - val_auc_109: 0.5141
 Epoch 297/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6515 - auc_109:
 0.5077 - val_loss: 2.5398 - val_auc_109: 0.5105
 Epoch 298/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0752 - auc_109:
 0.5099 - val_loss: 1.9577 - val_auc_109: 0.5041
 Epoch 299/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2487 - auc_109:
 0.5108 - val_loss: 2.9259 - val_auc_109: 0.4955
 Epoch 300/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3660 - auc_109:
 0.5058 - val_loss: 2.0840 - val_auc_109: 0.5019
 Epoch 301/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4964 - auc_109:
 0.5045 - val_loss: 2.8847 - val_auc_109: 0.5131
 Epoch 302/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9123 - auc_109:
 0.5119 - val_loss: 2.4730 - val_auc_109: 0.5088
 Epoch 303/700

267/267 [=====] - 1s 3ms/step - loss: 2.6230 - auc_109:
 0.5059 - val_loss: 2.9622 - val_auc_109: 0.5094
 Epoch 304/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2186 - auc_109:
 0.5047 - val_loss: 1.2983 - val_auc_109: 0.5018
 Epoch 305/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9270 - auc_109:
 0.5101 - val_loss: 1.9154 - val_auc_109: 0.4909
 Epoch 306/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2455 - auc_109:
 0.5070 - val_loss: 2.1525 - val_auc_109: 0.5082
 Epoch 307/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2597 - auc_109:
 0.5087 - val_loss: 1.7192 - val_auc_109: 0.5046
 Epoch 308/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1802 - auc_109:
 0.5068 - val_loss: 1.4326 - val_auc_109: 0.5154
 Epoch 309/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3966 - auc_109:
 0.5079 - val_loss: 1.6072 - val_auc_109: 0.5020
 Epoch 310/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0492 - auc_109:
 0.5056 - val_loss: 2.4118 - val_auc_109: 0.5008
 Epoch 311/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6531 - auc_109:
 0.5081 - val_loss: 1.9781 - val_auc_109: 0.5122
 Epoch 312/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1314 - auc_109:
 0.5077 - val_loss: 1.3908 - val_auc_109: 0.5136
 Epoch 313/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2086 - auc_109:
 0.5072 - val_loss: 2.2734 - val_auc_109: 0.5109
 Epoch 314/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6469 - auc_109:
 0.5073 - val_loss: 1.2071 - val_auc_109: 0.5072
 Epoch 315/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6729 - auc_109:
 0.5065 - val_loss: 2.6377 - val_auc_109: 0.5143
 Epoch 316/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8081 - auc_109:
 0.5061 - val_loss: 1.6637 - val_auc_109: 0.5152
 Epoch 317/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4824 - auc_109:
 0.5079 - val_loss: 1.2053 - val_auc_109: 0.5065
 Epoch 318/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5610 - auc_109:
 0.5064 - val_loss: 1.2979 - val_auc_109: 0.4922
 Epoch 319/700

267/267 [=====] - 1s 3ms/step - loss: 1.9564 - auc_109:
 0.5044 - val_loss: 1.4574 - val_auc_109: 0.4943
 Epoch 320/700
 267/267 [=====] - 1s 3ms/step - loss: 1.8015 - auc_109:
 0.5100 - val_loss: 1.4138 - val_auc_109: 0.4982
 Epoch 321/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1887 - auc_109:
 0.5112 - val_loss: 1.9231 - val_auc_109: 0.5110
 Epoch 322/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1636 - auc_109:
 0.5088 - val_loss: 2.1682 - val_auc_109: 0.5080
 Epoch 323/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4730 - auc_109:
 0.5073 - val_loss: 3.2860 - val_auc_109: 0.4979
 Epoch 324/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9318 - auc_109:
 0.5064 - val_loss: 2.0460 - val_auc_109: 0.5088
 Epoch 325/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2373 - auc_109:
 0.5052 - val_loss: 2.4317 - val_auc_109: 0.5009
 Epoch 326/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9594 - auc_109:
 0.5112 - val_loss: 3.6055 - val_auc_109: 0.5053
 Epoch 327/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2242 - auc_109:
 0.5075 - val_loss: 1.5901 - val_auc_109: 0.4963
 Epoch 328/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3672 - auc_109:
 0.5067 - val_loss: 3.0258 - val_auc_109: 0.4998
 Epoch 329/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3191 - auc_109:
 0.5078 - val_loss: 4.7141 - val_auc_109: 0.5068
 Epoch 330/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0713 - auc_109:
 0.5089 - val_loss: 1.8506 - val_auc_109: 0.5040
 Epoch 331/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0283 - auc_109:
 0.5102 - val_loss: 1.5070 - val_auc_109: 0.5089
 Epoch 332/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1551 - auc_109:
 0.5097 - val_loss: 2.1371 - val_auc_109: 0.5032
 Epoch 333/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3926 - auc_109:
 0.5093 - val_loss: 2.7337 - val_auc_109: 0.4988
 Epoch 334/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2009 - auc_109:
 0.5070 - val_loss: 2.0995 - val_auc_109: 0.5073
 Epoch 335/700

267/267 [=====] - 1s 3ms/step - loss: 2.4202 - auc_109:
0.5026 - val_loss: 1.7330 - val_auc_109: 0.5093
Epoch 336/700
267/267 [=====] - 1s 3ms/step - loss: 2.2726 - auc_109:
0.5060 - val_loss: 1.4694 - val_auc_109: 0.5078
Epoch 337/700
267/267 [=====] - 1s 3ms/step - loss: 2.3005 - auc_109:
0.5019 - val_loss: 1.8574 - val_auc_109: 0.5150
Epoch 338/700
267/267 [=====] - 1s 3ms/step - loss: 2.3414 - auc_109:
0.5103 - val_loss: 1.9274 - val_auc_109: 0.5064
Epoch 339/700
267/267 [=====] - 1s 3ms/step - loss: 2.5444 - auc_109:
0.5058 - val_loss: 2.7392 - val_auc_109: 0.5040
Epoch 340/700
267/267 [=====] - 1s 3ms/step - loss: 2.2810 - auc_109:
0.5051 - val_loss: 2.6411 - val_auc_109: 0.5080
Epoch 341/700
267/267 [=====] - 1s 3ms/step - loss: 2.1751 - auc_109:
0.5066 - val_loss: 1.6029 - val_auc_109: 0.5008
Epoch 342/700
267/267 [=====] - 1s 3ms/step - loss: 2.3870 - auc_109:
0.5085 - val_loss: 1.9631 - val_auc_109: 0.5067
Epoch 343/700
267/267 [=====] - 1s 3ms/step - loss: 2.6152 - auc_109:
0.5088 - val_loss: 2.2036 - val_auc_109: 0.4960
Epoch 344/700
267/267 [=====] - 1s 3ms/step - loss: 2.4575 - auc_109:
0.5105 - val_loss: 1.6058 - val_auc_109: 0.5053
Epoch 345/700
267/267 [=====] - 1s 3ms/step - loss: 2.2511 - auc_109:
0.5078 - val_loss: 3.0064 - val_auc_109: 0.5057
Epoch 346/700
267/267 [=====] - 1s 3ms/step - loss: 2.2050 - auc_109:
0.5110 - val_loss: 1.7181 - val_auc_109: 0.5127
Epoch 347/700
267/267 [=====] - 1s 3ms/step - loss: 2.5356 - auc_109:
0.5058 - val_loss: 2.2902 - val_auc_109: 0.5058
Epoch 348/700
267/267 [=====] - 1s 3ms/step - loss: 2.1176 - auc_109:
0.5110 - val_loss: 1.9055 - val_auc_109: 0.5082
Epoch 349/700
267/267 [=====] - 1s 3ms/step - loss: 2.7209 - auc_109:
0.5094 - val_loss: 5.1355 - val_auc_109: 0.4964
Epoch 350/700
267/267 [=====] - 1s 3ms/step - loss: 2.1900 - auc_109:
0.5094 - val_loss: 2.2610 - val_auc_109: 0.5006
Epoch 351/700

267/267 [=====] - 1s 3ms/step - loss: 2.0521 - auc_109:
 0.5085 - val_loss: 1.4239 - val_auc_109: 0.5112
 Epoch 352/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1034 - auc_109:
 0.5074 - val_loss: 5.3540 - val_auc_109: 0.5096
 Epoch 353/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4933 - auc_109:
 0.5100 - val_loss: 3.2973 - val_auc_109: 0.4924
 Epoch 354/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2020 - auc_109:
 0.5071 - val_loss: 2.6380 - val_auc_109: 0.5117
 Epoch 355/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8514 - auc_109:
 0.5072 - val_loss: 1.9469 - val_auc_109: 0.5083
 Epoch 356/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5535 - auc_109:
 0.5125 - val_loss: 3.0848 - val_auc_109: 0.5000
 Epoch 357/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4811 - auc_109:
 0.5077 - val_loss: 1.6065 - val_auc_109: 0.4992
 Epoch 358/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6062 - auc_109:
 0.5108 - val_loss: 5.0709 - val_auc_109: 0.5086
 Epoch 359/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3817 - auc_109:
 0.5049 - val_loss: 2.5296 - val_auc_109: 0.5104
 Epoch 360/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3575 - auc_109:
 0.5099 - val_loss: 1.4131 - val_auc_109: 0.5113
 Epoch 361/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3737 - auc_109:
 0.5071 - val_loss: 2.9078 - val_auc_109: 0.5105
 Epoch 362/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3302 - auc_109:
 0.5111 - val_loss: 1.6180 - val_auc_109: 0.4910
 Epoch 363/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1060 - auc_109:
 0.5055 - val_loss: 2.4470 - val_auc_109: 0.5026
 Epoch 364/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5276 - auc_109:
 0.5066 - val_loss: 1.5908 - val_auc_109: 0.5061
 Epoch 365/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4528 - auc_109:
 0.5086 - val_loss: 1.9789 - val_auc_109: 0.5160
 Epoch 366/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1931 - auc_109:
 0.5106 - val_loss: 1.7030 - val_auc_109: 0.5128
 Epoch 367/700

267/267 [=====] - 1s 3ms/step - loss: 2.3841 - auc_109:
 0.5052 - val_loss: 1.4770 - val_auc_109: 0.5065
 Epoch 368/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2712 - auc_109:
 0.5083 - val_loss: 2.3506 - val_auc_109: 0.4986
 Epoch 369/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6880 - auc_109:
 0.5090 - val_loss: 2.1713 - val_auc_109: 0.5090
 Epoch 370/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5203 - auc_109:
 0.5090 - val_loss: 3.0859 - val_auc_109: 0.4889
 Epoch 371/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3963 - auc_109:
 0.5089 - val_loss: 4.3618 - val_auc_109: 0.5035
 Epoch 372/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4509 - auc_109:
 0.5033 - val_loss: 1.3785 - val_auc_109: 0.5027
 Epoch 373/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1352 - auc_109:
 0.5111 - val_loss: 3.2351 - val_auc_109: 0.5128
 Epoch 374/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0954 - auc_109:
 0.5093 - val_loss: 2.0580 - val_auc_109: 0.5176
 Epoch 375/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2585 - auc_109:
 0.5070 - val_loss: 1.7815 - val_auc_109: 0.4997
 Epoch 376/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5524 - auc_109:
 0.5085 - val_loss: 3.3131 - val_auc_109: 0.5057
 Epoch 377/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2838 - auc_109:
 0.5049 - val_loss: 1.4164 - val_auc_109: 0.5136
 Epoch 378/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7308 - auc_109:
 0.5093 - val_loss: 3.8127 - val_auc_109: 0.4962
 Epoch 379/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0158 - auc_109:
 0.5092 - val_loss: 0.9488 - val_auc_109: 0.5047
 Epoch 380/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9961 - auc_109:
 0.5077 - val_loss: 4.3422 - val_auc_109: 0.5125
 Epoch 381/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2326 - auc_109:
 0.5065 - val_loss: 3.0548 - val_auc_109: 0.5049
 Epoch 382/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2682 - auc_109:
 0.5089 - val_loss: 2.4032 - val_auc_109: 0.4956
 Epoch 383/700

267/267 [=====] - 1s 3ms/step - loss: 2.1122 - auc_109:
 0.5083 - val_loss: 1.4556 - val_auc_109: 0.4970
 Epoch 384/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3090 - auc_109:
 0.5051 - val_loss: 3.1660 - val_auc_109: 0.5120
 Epoch 385/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2196 - auc_109:
 0.5081 - val_loss: 1.6989 - val_auc_109: 0.4976
 Epoch 386/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3065 - auc_109:
 0.5057 - val_loss: 1.9832 - val_auc_109: 0.5061
 Epoch 387/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2485 - auc_109:
 0.5078 - val_loss: 2.7481 - val_auc_109: 0.5029
 Epoch 388/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8354 - auc_109:
 0.5066 - val_loss: 2.9587 - val_auc_109: 0.5083
 Epoch 389/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1881 - auc_109:
 0.5068 - val_loss: 3.0384 - val_auc_109: 0.5010
 Epoch 390/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2296 - auc_109:
 0.5094 - val_loss: 3.8408 - val_auc_109: 0.5103
 Epoch 391/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6622 - auc_109:
 0.5082 - val_loss: 2.4799 - val_auc_109: 0.5061
 Epoch 392/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3119 - auc_109:
 0.5090 - val_loss: 2.6914 - val_auc_109: 0.4985
 Epoch 393/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2217 - auc_109:
 0.5082 - val_loss: 3.2041 - val_auc_109: 0.4902
 Epoch 394/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2600 - auc_109:
 0.5065 - val_loss: 4.0508 - val_auc_109: 0.5066
 Epoch 395/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1909 - auc_109:
 0.5098 - val_loss: 4.1629 - val_auc_109: 0.5033
 Epoch 396/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3599 - auc_109:
 0.5032 - val_loss: 1.6923 - val_auc_109: 0.5083
 Epoch 397/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0816 - auc_109:
 0.5090 - val_loss: 1.6350 - val_auc_109: 0.5149
 Epoch 398/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1669 - auc_109:
 0.5068 - val_loss: 1.4480 - val_auc_109: 0.4965
 Epoch 399/700

267/267 [=====] - 1s 3ms/step - loss: 2.2251 - auc_109:
 0.5101 - val_loss: 3.2524 - val_auc_109: 0.5071
 Epoch 400/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6720 - auc_109:
 0.5047 - val_loss: 5.5114 - val_auc_109: 0.5092
 Epoch 401/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7027 - auc_109:
 0.5058 - val_loss: 3.6476 - val_auc_109: 0.5039
 Epoch 402/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1618 - auc_109:
 0.5064 - val_loss: 2.0016 - val_auc_109: 0.4958
 Epoch 403/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1566 - auc_109:
 0.5055 - val_loss: 2.6989 - val_auc_109: 0.5096
 Epoch 404/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5782 - auc_109:
 0.5097 - val_loss: 2.5945 - val_auc_109: 0.4967
 Epoch 405/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5411 - auc_109:
 0.5035 - val_loss: 2.9272 - val_auc_109: 0.4975
 Epoch 406/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5272 - auc_109:
 0.5077 - val_loss: 1.8619 - val_auc_109: 0.5052
 Epoch 407/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1677 - auc_109:
 0.5106 - val_loss: 3.2545 - val_auc_109: 0.4996
 Epoch 408/700
 267/267 [=====] - 1s 3ms/step - loss: 1.8398 - auc_109:
 0.5086 - val_loss: 2.0989 - val_auc_109: 0.5103
 Epoch 409/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2859 - auc_109:
 0.5071 - val_loss: 2.6420 - val_auc_109: 0.5073
 Epoch 410/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4459 - auc_109:
 0.5062 - val_loss: 3.0293 - val_auc_109: 0.4966
 Epoch 411/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6958 - auc_109:
 0.5076 - val_loss: 1.4378 - val_auc_109: 0.5141
 Epoch 412/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9507 - auc_109:
 0.5078 - val_loss: 2.4134 - val_auc_109: 0.5009
 Epoch 413/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2763 - auc_109:
 0.5080 - val_loss: 1.7887 - val_auc_109: 0.5071
 Epoch 414/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2639 - auc_109:
 0.5070 - val_loss: 2.6907 - val_auc_109: 0.5060
 Epoch 415/700

267/267 [=====] - 1s 3ms/step - loss: 2.3102 - auc_109:
 0.5101 - val_loss: 2.6337 - val_auc_109: 0.5091
 Epoch 416/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6426 - auc_109:
 0.5067 - val_loss: 2.0289 - val_auc_109: 0.4936
 Epoch 417/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1941 - auc_109:
 0.5081 - val_loss: 1.3817 - val_auc_109: 0.4971
 Epoch 418/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6317 - auc_109:
 0.5114 - val_loss: 2.3540 - val_auc_109: 0.5046
 Epoch 419/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3432 - auc_109:
 0.5060 - val_loss: 2.0626 - val_auc_109: 0.5130
 Epoch 420/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1608 - auc_109:
 0.5051 - val_loss: 1.2974 - val_auc_109: 0.5041
 Epoch 421/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9325 - auc_109:
 0.5100 - val_loss: 2.8511 - val_auc_109: 0.5095
 Epoch 422/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3211 - auc_109:
 0.5058 - val_loss: 2.0496 - val_auc_109: 0.5084
 Epoch 423/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3380 - auc_109:
 0.5070 - val_loss: 2.9979 - val_auc_109: 0.4942
 Epoch 424/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9294 - auc_109:
 0.5097 - val_loss: 1.4467 - val_auc_109: 0.5123
 Epoch 425/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4793 - auc_109:
 0.5073 - val_loss: 1.2437 - val_auc_109: 0.5104
 Epoch 426/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5983 - auc_109:
 0.5093 - val_loss: 1.0786 - val_auc_109: 0.5054
 Epoch 427/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4825 - auc_109:
 0.5105 - val_loss: 1.4960 - val_auc_109: 0.5024
 Epoch 428/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0755 - auc_109:
 0.5086 - val_loss: 2.0119 - val_auc_109: 0.5124
 Epoch 429/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5190 - auc_109:
 0.5078 - val_loss: 2.3507 - val_auc_109: 0.5113
 Epoch 430/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3698 - auc_109:
 0.5091 - val_loss: 1.7820 - val_auc_109: 0.5081
 Epoch 431/700

267/267 [=====] - 1s 3ms/step - loss: 2.0489 - auc_109:
0.5115 - val_loss: 1.3762 - val_auc_109: 0.5002
Epoch 432/700
267/267 [=====] - 1s 3ms/step - loss: 2.5131 - auc_109:
0.5100 - val_loss: 2.1472 - val_auc_109: 0.5006
Epoch 433/700
267/267 [=====] - 1s 3ms/step - loss: 2.2565 - auc_109:
0.5051 - val_loss: 2.9001 - val_auc_109: 0.4968
Epoch 434/700
267/267 [=====] - 1s 3ms/step - loss: 2.0391 - auc_109:
0.5037 - val_loss: 1.5874 - val_auc_109: 0.5001
Epoch 435/700
267/267 [=====] - 1s 3ms/step - loss: 2.1597 - auc_109:
0.5082 - val_loss: 1.6252 - val_auc_109: 0.5150
Epoch 436/700
267/267 [=====] - 1s 3ms/step - loss: 2.1719 - auc_109:
0.5090 - val_loss: 1.4954 - val_auc_109: 0.5003
Epoch 437/700
267/267 [=====] - 1s 3ms/step - loss: 2.5947 - auc_109:
0.5028 - val_loss: 2.7471 - val_auc_109: 0.4870
Epoch 438/700
267/267 [=====] - 1s 3ms/step - loss: 2.5819 - auc_109:
0.5029 - val_loss: 2.2092 - val_auc_109: 0.5155
Epoch 439/700
267/267 [=====] - 1s 3ms/step - loss: 2.4168 - auc_109:
0.5090 - val_loss: 4.1849 - val_auc_109: 0.4997
Epoch 440/700
267/267 [=====] - 1s 3ms/step - loss: 2.2242 - auc_109:
0.5117 - val_loss: 2.6660 - val_auc_109: 0.4929
Epoch 441/700
267/267 [=====] - 1s 3ms/step - loss: 2.6862 - auc_109:
0.5091 - val_loss: 2.4249 - val_auc_109: 0.5105
Epoch 442/700
267/267 [=====] - 1s 3ms/step - loss: 2.1782 - auc_109:
0.5090 - val_loss: 1.5693 - val_auc_109: 0.5141
Epoch 443/700
267/267 [=====] - 1s 3ms/step - loss: 1.9343 - auc_109:
0.5099 - val_loss: 2.0924 - val_auc_109: 0.4990
Epoch 444/700
267/267 [=====] - 1s 3ms/step - loss: 2.5971 - auc_109:
0.5068 - val_loss: 3.5780 - val_auc_109: 0.5069
Epoch 445/700
267/267 [=====] - 1s 3ms/step - loss: 2.6786 - auc_109:
0.5050 - val_loss: 2.1849 - val_auc_109: 0.5021
Epoch 446/700
267/267 [=====] - 1s 3ms/step - loss: 2.0708 - auc_109:
0.5075 - val_loss: 2.6423 - val_auc_109: 0.5039
Epoch 447/700

267/267 [=====] - 1s 3ms/step - loss: 2.3433 - auc_109:
0.5052 - val_loss: 3.8554 - val_auc_109: 0.5129
Epoch 448/700
267/267 [=====] - 1s 3ms/step - loss: 1.9356 - auc_109:
0.5104 - val_loss: 2.7155 - val_auc_109: 0.5072
Epoch 449/700
267/267 [=====] - 1s 3ms/step - loss: 2.2376 - auc_109:
0.5062 - val_loss: 3.5166 - val_auc_109: 0.5000
Epoch 450/700
267/267 [=====] - 1s 3ms/step - loss: 2.4526 - auc_109:
0.5055 - val_loss: 2.7325 - val_auc_109: 0.5020
Epoch 451/700
267/267 [=====] - 1s 3ms/step - loss: 2.7018 - auc_109:
0.5041 - val_loss: 1.7923 - val_auc_109: 0.4964
Epoch 452/700
267/267 [=====] - 1s 3ms/step - loss: 2.0294 - auc_109:
0.5051 - val_loss: 2.6704 - val_auc_109: 0.5017
Epoch 453/700
267/267 [=====] - 1s 3ms/step - loss: 2.3292 - auc_109:
0.5077 - val_loss: 1.2293 - val_auc_109: 0.5096
Epoch 454/700
267/267 [=====] - 1s 3ms/step - loss: 2.5301 - auc_109:
0.5072 - val_loss: 2.4418 - val_auc_109: 0.5087
Epoch 455/700
267/267 [=====] - 1s 3ms/step - loss: 2.1811 - auc_109:
0.5076 - val_loss: 2.0584 - val_auc_109: 0.5083
Epoch 456/700
267/267 [=====] - 1s 3ms/step - loss: 2.1090 - auc_109:
0.5081 - val_loss: 1.8755 - val_auc_109: 0.4942
Epoch 457/700
267/267 [=====] - 1s 3ms/step - loss: 2.3886 - auc_109:
0.5098 - val_loss: 2.0924 - val_auc_109: 0.5085
Epoch 458/700
267/267 [=====] - 1s 3ms/step - loss: 2.1442 - auc_109:
0.5066 - val_loss: 1.3358 - val_auc_109: 0.4954
Epoch 459/700
267/267 [=====] - 1s 3ms/step - loss: 2.0245 - auc_109:
0.5131 - val_loss: 1.3315 - val_auc_109: 0.5029
Epoch 460/700
267/267 [=====] - 1s 3ms/step - loss: 2.0757 - auc_109:
0.5060 - val_loss: 1.6938 - val_auc_109: 0.4948
Epoch 461/700
267/267 [=====] - 1s 3ms/step - loss: 2.5930 - auc_109:
0.5097 - val_loss: 2.1575 - val_auc_109: 0.4933
Epoch 462/700
267/267 [=====] - 1s 3ms/step - loss: 2.1822 - auc_109:
0.5062 - val_loss: 3.3248 - val_auc_109: 0.4944
Epoch 463/700

267/267 [=====] - 1s 3ms/step - loss: 2.3729 - auc_109:
 0.5113 - val_loss: 1.3551 - val_auc_109: 0.5096
 Epoch 464/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1816 - auc_109:
 0.5060 - val_loss: 1.1977 - val_auc_109: 0.4987
 Epoch 465/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1112 - auc_109:
 0.5120 - val_loss: 1.8126 - val_auc_109: 0.5052
 Epoch 466/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4367 - auc_109:
 0.5105 - val_loss: 3.3324 - val_auc_109: 0.5109
 Epoch 467/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1942 - auc_109:
 0.5097 - val_loss: 1.5304 - val_auc_109: 0.4995
 Epoch 468/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6827 - auc_109:
 0.5071 - val_loss: 2.9280 - val_auc_109: 0.5113
 Epoch 469/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6287 - auc_109:
 0.5069 - val_loss: 2.6305 - val_auc_109: 0.5076
 Epoch 470/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0285 - auc_109:
 0.5084 - val_loss: 1.6258 - val_auc_109: 0.5011
 Epoch 471/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0585 - auc_109:
 0.5080 - val_loss: 1.5034 - val_auc_109: 0.5065
 Epoch 472/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2608 - auc_109:
 0.5062 - val_loss: 2.0358 - val_auc_109: 0.5114
 Epoch 473/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3386 - auc_109:
 0.5053 - val_loss: 2.5078 - val_auc_109: 0.5086
 Epoch 474/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2560 - auc_109:
 0.5089 - val_loss: 3.3380 - val_auc_109: 0.5041
 Epoch 475/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2011 - auc_109:
 0.5071 - val_loss: 1.8679 - val_auc_109: 0.4998
 Epoch 476/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1677 - auc_109:
 0.5090 - val_loss: 2.6399 - val_auc_109: 0.4983
 Epoch 477/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4305 - auc_109:
 0.5081 - val_loss: 3.6337 - val_auc_109: 0.5125
 Epoch 478/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5516 - auc_109:
 0.5084 - val_loss: 2.5450 - val_auc_109: 0.5049
 Epoch 479/700

267/267 [=====] - 1s 3ms/step - loss: 2.2556 - auc_109:
 0.5064 - val_loss: 1.5509 - val_auc_109: 0.5076
 Epoch 480/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1642 - auc_109:
 0.5054 - val_loss: 1.7479 - val_auc_109: 0.5032
 Epoch 481/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3403 - auc_109:
 0.5086 - val_loss: 2.1079 - val_auc_109: 0.5089
 Epoch 482/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1369 - auc_109:
 0.5109 - val_loss: 3.0294 - val_auc_109: 0.5004
 Epoch 483/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2909 - auc_109:
 0.5063 - val_loss: 1.0315 - val_auc_109: 0.5051
 Epoch 484/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1394 - auc_109:
 0.5064 - val_loss: 4.0062 - val_auc_109: 0.5003
 Epoch 485/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7382 - auc_109:
 0.5020 - val_loss: 1.7765 - val_auc_109: 0.5127
 Epoch 486/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5945 - auc_109:
 0.5086 - val_loss: 3.2318 - val_auc_109: 0.4938
 Epoch 487/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2361 - auc_109:
 0.5100 - val_loss: 1.5522 - val_auc_109: 0.5043
 Epoch 488/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1016 - auc_109:
 0.5073 - val_loss: 2.4344 - val_auc_109: 0.5104
 Epoch 489/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3994 - auc_109:
 0.5101 - val_loss: 2.0780 - val_auc_109: 0.5085
 Epoch 490/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0687 - auc_109:
 0.5084 - val_loss: 2.6552 - val_auc_109: 0.4995
 Epoch 491/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7445 - auc_109:
 0.5100 - val_loss: 1.9157 - val_auc_109: 0.5083
 Epoch 492/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9915 - auc_109:
 0.5072 - val_loss: 2.6335 - val_auc_109: 0.5009
 Epoch 493/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6588 - auc_109:
 0.5097 - val_loss: 2.1185 - val_auc_109: 0.4965
 Epoch 494/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6440 - auc_109:
 0.5054 - val_loss: 2.2330 - val_auc_109: 0.5053
 Epoch 495/700

267/267 [=====] - 1s 3ms/step - loss: 2.1798 - auc_109:
 0.5069 - val_loss: 1.7238 - val_auc_109: 0.5061
 Epoch 496/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3115 - auc_109:
 0.5083 - val_loss: 4.2251 - val_auc_109: 0.5020
 Epoch 497/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2171 - auc_109:
 0.5041 - val_loss: 2.4185 - val_auc_109: 0.5121
 Epoch 498/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9686 - auc_109:
 0.5077 - val_loss: 2.7240 - val_auc_109: 0.5102
 Epoch 499/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5259 - auc_109:
 0.5066 - val_loss: 1.8356 - val_auc_109: 0.4947
 Epoch 500/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1566 - auc_109:
 0.5079 - val_loss: 2.2173 - val_auc_109: 0.5097
 Epoch 501/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1918 - auc_109:
 0.5067 - val_loss: 1.5198 - val_auc_109: 0.4968
 Epoch 502/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1340 - auc_109:
 0.5036 - val_loss: 1.5179 - val_auc_109: 0.5126
 Epoch 503/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1222 - auc_109:
 0.5106 - val_loss: 2.8975 - val_auc_109: 0.5070
 Epoch 504/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0676 - auc_109:
 0.5107 - val_loss: 2.3061 - val_auc_109: 0.5067
 Epoch 505/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1825 - auc_109:
 0.5083 - val_loss: 2.4255 - val_auc_109: 0.5106
 Epoch 506/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7321 - auc_109:
 0.5058 - val_loss: 2.5018 - val_auc_109: 0.4949
 Epoch 507/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5112 - auc_109:
 0.5119 - val_loss: 1.9534 - val_auc_109: 0.5042
 Epoch 508/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4288 - auc_109:
 0.5067 - val_loss: 1.1735 - val_auc_109: 0.5056
 Epoch 509/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2587 - auc_109:
 0.5067 - val_loss: 1.8420 - val_auc_109: 0.4986
 Epoch 510/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3168 - auc_109:
 0.5078 - val_loss: 1.7065 - val_auc_109: 0.5084
 Epoch 511/700

267/267 [=====] - 1s 3ms/step - loss: 2.6080 - auc_109:
0.5104 - val_loss: 1.7859 - val_auc_109: 0.5091
Epoch 512/700
267/267 [=====] - 1s 3ms/step - loss: 2.2050 - auc_109:
0.5077 - val_loss: 2.0200 - val_auc_109: 0.5031
Epoch 513/700
267/267 [=====] - 1s 3ms/step - loss: 2.3662 - auc_109:
0.5049 - val_loss: 1.7254 - val_auc_109: 0.5021
Epoch 514/700
267/267 [=====] - 1s 3ms/step - loss: 2.1709 - auc_109:
0.5090 - val_loss: 2.8464 - val_auc_109: 0.5081
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 2.3222 - auc_109:
0.5080 - val_loss: 3.3215 - val_auc_109: 0.5052
Epoch 516/700
267/267 [=====] - 1s 3ms/step - loss: 1.9859 - auc_109:
0.5031 - val_loss: 1.8430 - val_auc_109: 0.5073
Epoch 517/700
267/267 [=====] - 1s 3ms/step - loss: 2.2370 - auc_109:
0.5098 - val_loss: 2.1209 - val_auc_109: 0.4957
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 2.1211 - auc_109:
0.5092 - val_loss: 2.7137 - val_auc_109: 0.5013
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 2.3743 - auc_109:
0.5098 - val_loss: 1.8884 - val_auc_109: 0.5118
Epoch 520/700
267/267 [=====] - 1s 3ms/step - loss: 2.5247 - auc_109:
0.5029 - val_loss: 3.5032 - val_auc_109: 0.5057
Epoch 521/700
267/267 [=====] - 1s 3ms/step - loss: 2.4055 - auc_109:
0.5099 - val_loss: 2.5007 - val_auc_109: 0.5037
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 2.4004 - auc_109:
0.5072 - val_loss: 1.9427 - val_auc_109: 0.4974
Epoch 523/700
267/267 [=====] - 1s 3ms/step - loss: 2.2197 - auc_109:
0.5081 - val_loss: 1.6481 - val_auc_109: 0.5072
Epoch 524/700
267/267 [=====] - 1s 3ms/step - loss: 2.1920 - auc_109:
0.5098 - val_loss: 1.4535 - val_auc_109: 0.5122
Epoch 525/700
267/267 [=====] - 1s 4ms/step - loss: 2.5363 - auc_109:
0.5077 - val_loss: 3.3906 - val_auc_109: 0.5100
Epoch 526/700
267/267 [=====] - 1s 3ms/step - loss: 2.3678 - auc_109:
0.5091 - val_loss: 1.8508 - val_auc_109: 0.5108
Epoch 527/700

267/267 [=====] - 1s 3ms/step - loss: 2.3261 - auc_109:
 0.5054 - val_loss: 1.7129 - val_auc_109: 0.5067
 Epoch 528/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9788 - auc_109:
 0.5047 - val_loss: 1.9360 - val_auc_109: 0.5087
 Epoch 529/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1803 - auc_109:
 0.5059 - val_loss: 1.1879 - val_auc_109: 0.5046
 Epoch 530/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5834 - auc_109:
 0.5068 - val_loss: 1.8617 - val_auc_109: 0.4987
 Epoch 531/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3484 - auc_109:
 0.5060 - val_loss: 1.6185 - val_auc_109: 0.5022
 Epoch 532/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1694 - auc_109:
 0.5088 - val_loss: 1.2675 - val_auc_109: 0.5117
 Epoch 533/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5185 - auc_109:
 0.5035 - val_loss: 3.0471 - val_auc_109: 0.5077
 Epoch 534/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2459 - auc_109:
 0.5102 - val_loss: 2.4778 - val_auc_109: 0.5060
 Epoch 535/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3075 - auc_109:
 0.5071 - val_loss: 2.0229 - val_auc_109: 0.5008
 Epoch 536/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4272 - auc_109:
 0.5101 - val_loss: 3.3346 - val_auc_109: 0.4993
 Epoch 537/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6039 - auc_109:
 0.5081 - val_loss: 1.9848 - val_auc_109: 0.5060
 Epoch 538/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1106 - auc_109:
 0.5083 - val_loss: 3.9149 - val_auc_109: 0.5032
 Epoch 539/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3682 - auc_109:
 0.5061 - val_loss: 1.7549 - val_auc_109: 0.5101
 Epoch 540/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9306 - auc_109:
 0.5087 - val_loss: 3.1684 - val_auc_109: 0.5127
 Epoch 541/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5229 - auc_109:
 0.5081 - val_loss: 1.7599 - val_auc_109: 0.5020
 Epoch 542/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2452 - auc_109:
 0.5069 - val_loss: 1.4067 - val_auc_109: 0.5096
 Epoch 543/700

267/267 [=====] - 1s 3ms/step - loss: 2.1113 - auc_109:
 0.5054 - val_loss: 4.4888 - val_auc_109: 0.4962
 Epoch 544/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3889 - auc_109:
 0.5048 - val_loss: 2.3172 - val_auc_109: 0.5084
 Epoch 545/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3458 - auc_109:
 0.5083 - val_loss: 3.1264 - val_auc_109: 0.5057
 Epoch 546/700
 267/267 [=====] - 1s 4ms/step - loss: 2.6453 - auc_109:
 0.5093 - val_loss: 2.3275 - val_auc_109: 0.5116
 Epoch 547/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2052 - auc_109:
 0.5067 - val_loss: 1.7304 - val_auc_109: 0.5064
 Epoch 548/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2183 - auc_109:
 0.5070 - val_loss: 3.7794 - val_auc_109: 0.5068
 Epoch 549/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6636 - auc_109:
 0.5101 - val_loss: 2.0299 - val_auc_109: 0.5126
 Epoch 550/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2586 - auc_109:
 0.5109 - val_loss: 2.4262 - val_auc_109: 0.5110
 Epoch 551/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0514 - auc_109:
 0.5059 - val_loss: 2.5661 - val_auc_109: 0.5101
 Epoch 552/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4897 - auc_109:
 0.5055 - val_loss: 1.7049 - val_auc_109: 0.5129
 Epoch 553/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3293 - auc_109:
 0.5050 - val_loss: 1.3022 - val_auc_109: 0.5054
 Epoch 554/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1346 - auc_109:
 0.5081 - val_loss: 1.9675 - val_auc_109: 0.5062
 Epoch 555/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2721 - auc_109:
 0.5043 - val_loss: 1.6210 - val_auc_109: 0.5010
 Epoch 556/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4137 - auc_109:
 0.5079 - val_loss: 2.6349 - val_auc_109: 0.4921
 Epoch 557/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2244 - auc_109:
 0.5084 - val_loss: 5.1408 - val_auc_109: 0.5049
 Epoch 558/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5647 - auc_109:
 0.5076 - val_loss: 1.9417 - val_auc_109: 0.5130
 Epoch 559/700

267/267 [=====] - 1s 3ms/step - loss: 2.0978 - auc_109:
 0.5101 - val_loss: 1.5866 - val_auc_109: 0.4992
 Epoch 560/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3723 - auc_109:
 0.5098 - val_loss: 3.5733 - val_auc_109: 0.4972
 Epoch 561/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9734 - auc_109:
 0.5083 - val_loss: 2.4682 - val_auc_109: 0.5059
 Epoch 562/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4755 - auc_109:
 0.5057 - val_loss: 1.1638 - val_auc_109: 0.5134
 Epoch 563/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9857 - auc_109:
 0.5133 - val_loss: 2.0910 - val_auc_109: 0.4975
 Epoch 564/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5225 - auc_109:
 0.5079 - val_loss: 2.2381 - val_auc_109: 0.5087
 Epoch 565/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2302 - auc_109:
 0.5108 - val_loss: 1.9868 - val_auc_109: 0.5069
 Epoch 566/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1833 - auc_109:
 0.5129 - val_loss: 2.5899 - val_auc_109: 0.5029
 Epoch 567/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0839 - auc_109:
 0.5094 - val_loss: 2.8484 - val_auc_109: 0.5149
 Epoch 568/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1950 - auc_109:
 0.5082 - val_loss: 2.1108 - val_auc_109: 0.4952
 Epoch 569/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3101 - auc_109:
 0.5089 - val_loss: 3.0542 - val_auc_109: 0.4944
 Epoch 570/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3572 - auc_109:
 0.5057 - val_loss: 2.3291 - val_auc_109: 0.5098
 Epoch 571/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1508 - auc_109:
 0.5097 - val_loss: 1.6211 - val_auc_109: 0.5050
 Epoch 572/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0804 - auc_109:
 0.5099 - val_loss: 1.7442 - val_auc_109: 0.5040
 Epoch 573/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1731 - auc_109:
 0.5048 - val_loss: 2.0465 - val_auc_109: 0.5104
 Epoch 574/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2865 - auc_109:
 0.5085 - val_loss: 3.3942 - val_auc_109: 0.5040
 Epoch 575/700

267/267 [=====] - 1s 3ms/step - loss: 2.4290 - auc_109:
 0.5097 - val_loss: 3.6685 - val_auc_109: 0.5052
 Epoch 576/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1547 - auc_109:
 0.5053 - val_loss: 1.8173 - val_auc_109: 0.5076
 Epoch 577/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1137 - auc_109:
 0.5080 - val_loss: 2.1279 - val_auc_109: 0.5084
 Epoch 578/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5053 - auc_109:
 0.5090 - val_loss: 2.3009 - val_auc_109: 0.5049
 Epoch 579/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4418 - auc_109:
 0.5062 - val_loss: 1.2957 - val_auc_109: 0.4924
 Epoch 580/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2873 - auc_109:
 0.5069 - val_loss: 1.8364 - val_auc_109: 0.4943
 Epoch 581/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7014 - auc_109:
 0.5055 - val_loss: 4.0635 - val_auc_109: 0.4992
 Epoch 582/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1028 - auc_109:
 0.5071 - val_loss: 1.1392 - val_auc_109: 0.5138
 Epoch 583/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3091 - auc_109:
 0.5047 - val_loss: 1.2574 - val_auc_109: 0.5190
 Epoch 584/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9895 - auc_109:
 0.5034 - val_loss: 2.6263 - val_auc_109: 0.5031
 Epoch 585/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0947 - auc_109:
 0.5102 - val_loss: 2.2248 - val_auc_109: 0.5071
 Epoch 586/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3004 - auc_109:
 0.5072 - val_loss: 1.1566 - val_auc_109: 0.5016
 Epoch 587/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1667 - auc_109:
 0.5093 - val_loss: 1.6333 - val_auc_109: 0.5054
 Epoch 588/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4257 - auc_109:
 0.5093 - val_loss: 1.6213 - val_auc_109: 0.4967
 Epoch 589/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6110 - auc_109:
 0.5072 - val_loss: 2.5583 - val_auc_109: 0.5058
 Epoch 590/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1491 - auc_109:
 0.5050 - val_loss: 2.8883 - val_auc_109: 0.5065
 Epoch 591/700

267/267 [=====] - 1s 3ms/step - loss: 2.1460 - auc_109:
 0.5109 - val_loss: 1.8380 - val_auc_109: 0.5107
 Epoch 592/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1549 - auc_109:
 0.5050 - val_loss: 1.5573 - val_auc_109: 0.5008
 Epoch 593/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2433 - auc_109:
 0.5103 - val_loss: 4.2898 - val_auc_109: 0.5028
 Epoch 594/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4145 - auc_109:
 0.5069 - val_loss: 1.9970 - val_auc_109: 0.5023
 Epoch 595/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9174 - auc_109:
 0.5094 - val_loss: 2.6412 - val_auc_109: 0.5050
 Epoch 596/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7490 - auc_109:
 0.5053 - val_loss: 1.6186 - val_auc_109: 0.5026
 Epoch 597/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4069 - auc_109:
 0.5088 - val_loss: 2.6802 - val_auc_109: 0.5004
 Epoch 598/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2471 - auc_109:
 0.5060 - val_loss: 2.3028 - val_auc_109: 0.5055
 Epoch 599/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4342 - auc_109:
 0.5021 - val_loss: 2.3746 - val_auc_109: 0.5142
 Epoch 600/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4551 - auc_109:
 0.5110 - val_loss: 2.0613 - val_auc_109: 0.4982
 Epoch 601/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0327 - auc_109:
 0.5069 - val_loss: 2.0349 - val_auc_109: 0.5067
 Epoch 602/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9244 - auc_109:
 0.5096 - val_loss: 4.4028 - val_auc_109: 0.4966
 Epoch 603/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6083 - auc_109:
 0.5087 - val_loss: 2.0341 - val_auc_109: 0.5095
 Epoch 604/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4621 - auc_109:
 0.5084 - val_loss: 1.6265 - val_auc_109: 0.5137
 Epoch 605/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5623 - auc_109:
 0.5035 - val_loss: 2.1795 - val_auc_109: 0.5090
 Epoch 606/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1131 - auc_109:
 0.5080 - val_loss: 1.4455 - val_auc_109: 0.4990
 Epoch 607/700

267/267 [=====] - 1s 3ms/step - loss: 2.1283 - auc_109:
 0.5086 - val_loss: 1.2991 - val_auc_109: 0.5073
 Epoch 608/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0924 - auc_109:
 0.5109 - val_loss: 2.4941 - val_auc_109: 0.5154
 Epoch 609/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3652 - auc_109:
 0.5080 - val_loss: 3.6244 - val_auc_109: 0.5064
 Epoch 610/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2318 - auc_109:
 0.5063 - val_loss: 2.1271 - val_auc_109: 0.5078
 Epoch 611/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1593 - auc_109:
 0.5100 - val_loss: 1.3986 - val_auc_109: 0.5084
 Epoch 612/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1457 - auc_109:
 0.5085 - val_loss: 1.8835 - val_auc_109: 0.5077
 Epoch 613/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2488 - auc_109:
 0.5055 - val_loss: 2.2112 - val_auc_109: 0.5071
 Epoch 614/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4821 - auc_109:
 0.5070 - val_loss: 1.5657 - val_auc_109: 0.5059
 Epoch 615/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9946 - auc_109:
 0.5022 - val_loss: 2.3712 - val_auc_109: 0.5099
 Epoch 616/700
 267/267 [=====] - 1s 4ms/step - loss: 2.1290 - auc_109:
 0.5092 - val_loss: 1.8971 - val_auc_109: 0.4989
 Epoch 617/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4142 - auc_109:
 0.5087 - val_loss: 1.1361 - val_auc_109: 0.4967
 Epoch 618/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2980 - auc_109:
 0.5095 - val_loss: 1.3967 - val_auc_109: 0.5049
 Epoch 619/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3132 - auc_109:
 0.5067 - val_loss: 1.1695 - val_auc_109: 0.5062
 Epoch 620/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3539 - auc_109:
 0.5052 - val_loss: 2.1885 - val_auc_109: 0.5010
 Epoch 621/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4806 - auc_109:
 0.5078 - val_loss: 3.7790 - val_auc_109: 0.5026
 Epoch 622/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3565 - auc_109:
 0.5068 - val_loss: 2.9484 - val_auc_109: 0.5100
 Epoch 623/700

267/267 [=====] - 1s 4ms/step - loss: 2.1112 - auc_109:
 0.5093 - val_loss: 2.5991 - val_auc_109: 0.5072
 Epoch 624/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3659 - auc_109:
 0.5079 - val_loss: 2.9387 - val_auc_109: 0.4907
 Epoch 625/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3611 - auc_109:
 0.5051 - val_loss: 1.5666 - val_auc_109: 0.5069
 Epoch 626/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4365 - auc_109:
 0.5085 - val_loss: 1.3893 - val_auc_109: 0.4908
 Epoch 627/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0704 - auc_109:
 0.5088 - val_loss: 3.2167 - val_auc_109: 0.5050
 Epoch 628/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0791 - auc_109:
 0.5091 - val_loss: 1.3161 - val_auc_109: 0.5133
 Epoch 629/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3825 - auc_109:
 0.5116 - val_loss: 2.6798 - val_auc_109: 0.5121
 Epoch 630/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4898 - auc_109:
 0.5062 - val_loss: 2.7398 - val_auc_109: 0.4960
 Epoch 631/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4806 - auc_109:
 0.5082 - val_loss: 2.9167 - val_auc_109: 0.5119
 Epoch 632/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2777 - auc_109:
 0.5076 - val_loss: 1.6873 - val_auc_109: 0.5157
 Epoch 633/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0331 - auc_109:
 0.5097 - val_loss: 1.4465 - val_auc_109: 0.4959
 Epoch 634/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0048 - auc_109:
 0.5116 - val_loss: 2.3752 - val_auc_109: 0.5005
 Epoch 635/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1823 - auc_109:
 0.5100 - val_loss: 2.1046 - val_auc_109: 0.5014
 Epoch 636/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2581 - auc_109:
 0.5075 - val_loss: 2.5408 - val_auc_109: 0.5079
 Epoch 637/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2952 - auc_109:
 0.5099 - val_loss: 1.7940 - val_auc_109: 0.4983
 Epoch 638/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3582 - auc_109:
 0.5093 - val_loss: 1.7527 - val_auc_109: 0.5126
 Epoch 639/700

267/267 [=====] - 1s 3ms/step - loss: 2.2315 - auc_109:
 0.5069 - val_loss: 4.0334 - val_auc_109: 0.5097
 Epoch 640/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3605 - auc_109:
 0.5093 - val_loss: 3.4874 - val_auc_109: 0.5071
 Epoch 641/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5259 - auc_109:
 0.5047 - val_loss: 3.4352 - val_auc_109: 0.5104
 Epoch 642/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8796 - auc_109:
 0.5024 - val_loss: 2.1026 - val_auc_109: 0.5193
 Epoch 643/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2832 - auc_109:
 0.5054 - val_loss: 2.0508 - val_auc_109: 0.5046
 Epoch 644/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1713 - auc_109:
 0.5076 - val_loss: 1.9556 - val_auc_109: 0.4991
 Epoch 645/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2802 - auc_109:
 0.5026 - val_loss: 1.7149 - val_auc_109: 0.5104
 Epoch 646/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1282 - auc_109:
 0.5118 - val_loss: 2.3910 - val_auc_109: 0.4967
 Epoch 647/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1290 - auc_109:
 0.5099 - val_loss: 1.1494 - val_auc_109: 0.5169
 Epoch 648/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2280 - auc_109:
 0.5059 - val_loss: 2.9874 - val_auc_109: 0.5015
 Epoch 649/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5634 - auc_109:
 0.5075 - val_loss: 2.9681 - val_auc_109: 0.5114
 Epoch 650/700
 267/267 [=====] - 1s 4ms/step - loss: 2.4416 - auc_109:
 0.5094 - val_loss: 1.1823 - val_auc_109: 0.5006
 Epoch 651/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1925 - auc_109:
 0.5083 - val_loss: 3.6043 - val_auc_109: 0.5084
 Epoch 652/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3539 - auc_109:
 0.5126 - val_loss: 2.0998 - val_auc_109: 0.5091
 Epoch 653/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4348 - auc_109:
 0.5069 - val_loss: 2.0369 - val_auc_109: 0.4965
 Epoch 654/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0662 - auc_109:
 0.5083 - val_loss: 2.4188 - val_auc_109: 0.5031
 Epoch 655/700

267/267 [=====] - 1s 3ms/step - loss: 2.2568 - auc_109:
 0.5082 - val_loss: 2.8636 - val_auc_109: 0.4945
 Epoch 656/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2255 - auc_109:
 0.5093 - val_loss: 1.4841 - val_auc_109: 0.5098
 Epoch 657/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2246 - auc_109:
 0.5075 - val_loss: 2.5214 - val_auc_109: 0.5006
 Epoch 658/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5091 - auc_109:
 0.5110 - val_loss: 3.8891 - val_auc_109: 0.5147
 Epoch 659/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3962 - auc_109:
 0.5053 - val_loss: 2.1725 - val_auc_109: 0.4992
 Epoch 660/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1628 - auc_109:
 0.5086 - val_loss: 2.1973 - val_auc_109: 0.5075
 Epoch 661/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4805 - auc_109:
 0.5058 - val_loss: 3.1609 - val_auc_109: 0.5060
 Epoch 662/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6005 - auc_109:
 0.5080 - val_loss: 2.8435 - val_auc_109: 0.5149
 Epoch 663/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1209 - auc_109:
 0.5073 - val_loss: 1.9689 - val_auc_109: 0.5086
 Epoch 664/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1333 - auc_109:
 0.5114 - val_loss: 3.8552 - val_auc_109: 0.4919
 Epoch 665/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4515 - auc_109:
 0.5105 - val_loss: 1.9102 - val_auc_109: 0.5091
 Epoch 666/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1104 - auc_109:
 0.5102 - val_loss: 2.3814 - val_auc_109: 0.5022
 Epoch 667/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4953 - auc_109:
 0.5061 - val_loss: 1.5928 - val_auc_109: 0.5107
 Epoch 668/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2673 - auc_109:
 0.5071 - val_loss: 1.7030 - val_auc_109: 0.5009
 Epoch 669/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5388 - auc_109:
 0.5038 - val_loss: 1.6280 - val_auc_109: 0.5125
 Epoch 670/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3077 - auc_109:
 0.5094 - val_loss: 2.8793 - val_auc_109: 0.4973
 Epoch 671/700

267/267 [=====] - 1s 3ms/step - loss: 2.4278 - auc_109:
 0.5087 - val_loss: 3.0430 - val_auc_109: 0.5074
 Epoch 672/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2063 - auc_109:
 0.5089 - val_loss: 2.6036 - val_auc_109: 0.5009
 Epoch 673/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3489 - auc_109:
 0.5081 - val_loss: 2.1948 - val_auc_109: 0.5087
 Epoch 674/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4123 - auc_109:
 0.5090 - val_loss: 2.3705 - val_auc_109: 0.4844
 Epoch 675/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9657 - auc_109:
 0.5104 - val_loss: 1.4083 - val_auc_109: 0.5010
 Epoch 676/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7944 - auc_109:
 0.5082 - val_loss: 1.9105 - val_auc_109: 0.5045
 Epoch 677/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8904 - auc_109:
 0.5072 - val_loss: 3.5063 - val_auc_109: 0.5092
 Epoch 678/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9768 - auc_109:
 0.5068 - val_loss: 2.9906 - val_auc_109: 0.5047
 Epoch 679/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3444 - auc_109:
 0.5061 - val_loss: 1.8038 - val_auc_109: 0.4934
 Epoch 680/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7198 - auc_109:
 0.5060 - val_loss: 1.9559 - val_auc_109: 0.4941
 Epoch 681/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4793 - auc_109:
 0.5063 - val_loss: 2.4269 - val_auc_109: 0.5132
 Epoch 682/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0938 - auc_109:
 0.5066 - val_loss: 4.6051 - val_auc_109: 0.5016
 Epoch 683/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4462 - auc_109:
 0.5072 - val_loss: 2.3532 - val_auc_109: 0.4970
 Epoch 684/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2327 - auc_109:
 0.5090 - val_loss: 2.2342 - val_auc_109: 0.5099
 Epoch 685/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4738 - auc_109:
 0.5113 - val_loss: 2.1009 - val_auc_109: 0.5021
 Epoch 686/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1640 - auc_109:
 0.5077 - val_loss: 3.1200 - val_auc_109: 0.5051
 Epoch 687/700

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267/267 [=====] - 1s 3ms/step - loss: 2.0324 - auc_109:
0.5101 - val_loss: 1.7708 - val_auc_109: 0.5004
Epoch 688/700
267/267 [=====] - 1s 3ms/step - loss: 2.7467 - auc_109:
0.5086 - val_loss: 1.4006 - val_auc_109: 0.5107
Epoch 689/700
267/267 [=====] - 1s 3ms/step - loss: 2.5152 - auc_109:
0.5087 - val_loss: 2.7119 - val_auc_109: 0.5080
Epoch 690/700
267/267 [=====] - 1s 3ms/step - loss: 2.6519 - auc_109:
0.5098 - val_loss: 2.5988 - val_auc_109: 0.5167
Epoch 691/700
267/267 [=====] - 1s 3ms/step - loss: 2.0351 - auc_109:
0.5078 - val_loss: 2.3298 - val_auc_109: 0.5027
Epoch 692/700
267/267 [=====] - 1s 4ms/step - loss: 2.0602 - auc_109:
0.5080 - val_loss: 1.5652 - val_auc_109: 0.4982
Epoch 693/700
267/267 [=====] - 1s 4ms/step - loss: 2.0359 - auc_109:
0.5061 - val_loss: 1.6819 - val_auc_109: 0.5132
Epoch 694/700
267/267 [=====] - 1s 3ms/step - loss: 2.0326 - auc_109:
0.5106 - val_loss: 1.9416 - val_auc_109: 0.5017
Epoch 695/700
267/267 [=====] - 1s 3ms/step - loss: 2.2244 - auc_109:
0.5081 - val_loss: 1.9159 - val_auc_109: 0.5049
Epoch 696/700
267/267 [=====] - 1s 3ms/step - loss: 2.1675 - auc_109:
0.5036 - val_loss: 1.4498 - val_auc_109: 0.5077
Epoch 697/700
267/267 [=====] - 1s 3ms/step - loss: 2.1592 - auc_109:
0.5104 - val_loss: 2.3080 - val_auc_109: 0.5086
Epoch 698/700
267/267 [=====] - 1s 3ms/step - loss: 2.0788 - auc_109:
0.5078 - val_loss: 1.3374 - val_auc_109: 0.5158
Epoch 699/700
267/267 [=====] - 1s 3ms/step - loss: 2.2129 - auc_109:
0.5061 - val_loss: 2.2740 - val_auc_109: 0.5002
Epoch 700/700
267/267 [=====] - 1s 3ms/step - loss: 2.2730 - auc_109:
0.5058 - val_loss: 1.5003 - val_auc_109: 0.5079
625/625 [=====] - 0s 583us/step
[CV] ... epochs=700, learning_rate=0.01, score=0.510, total= 9.1min
[CV] epochs=700, learning_rate=0.01 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 3.1126 - auc_110:
0.5015 - val_loss: 1.8214 - val_auc_110: 0.5072
Epoch 2/700

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267/267 [=====] - 1s 3ms/step - loss: 2.3152 - auc_110:
0.5034 - val_loss: 4.1620 - val_auc_110: 0.5071
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 2.1793 - auc_110:
0.5035 - val_loss: 1.5819 - val_auc_110: 0.5010
Epoch 4/700
267/267 [=====] - 1s 3ms/step - loss: 2.7756 - auc_110:
0.5035 - val_loss: 2.9289 - val_auc_110: 0.4985
Epoch 5/700
267/267 [=====] - 1s 3ms/step - loss: 2.3711 - auc_110:
0.5053 - val_loss: 3.7482 - val_auc_110: 0.5038
Epoch 6/700
267/267 [=====] - 1s 3ms/step - loss: 2.5722 - auc_110:
0.5074 - val_loss: 2.2571 - val_auc_110: 0.5001
Epoch 7/700
267/267 [=====] - 1s 3ms/step - loss: 1.9456 - auc_110:
0.5071 - val_loss: 2.1709 - val_auc_110: 0.5076
Epoch 8/700
267/267 [=====] - 1s 3ms/step - loss: 2.3598 - auc_110:
0.5059 - val_loss: 2.8881 - val_auc_110: 0.5072
Epoch 9/700
267/267 [=====] - 1s 3ms/step - loss: 2.2774 - auc_110:
0.5046 - val_loss: 1.7057 - val_auc_110: 0.5072
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 2.3420 - auc_110:
0.5079 - val_loss: 1.6500 - val_auc_110: 0.5077
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 2.5338 - auc_110:
0.5057 - val_loss: 3.0892 - val_auc_110: 0.4999
Epoch 12/700
267/267 [=====] - 1s 3ms/step - loss: 2.0812 - auc_110:
0.5074 - val_loss: 1.6069 - val_auc_110: 0.4939
Epoch 13/700
267/267 [=====] - 1s 3ms/step - loss: 2.1016 - auc_110:
0.5089 - val_loss: 2.0512 - val_auc_110: 0.5103
Epoch 14/700
267/267 [=====] - 1s 3ms/step - loss: 2.1841 - auc_110:
0.5104 - val_loss: 2.9212 - val_auc_110: 0.5030
Epoch 15/700
267/267 [=====] - 1s 3ms/step - loss: 2.2158 - auc_110:
0.5052 - val_loss: 2.7130 - val_auc_110: 0.5041
Epoch 16/700
267/267 [=====] - 1s 3ms/step - loss: 2.1655 - auc_110:
0.5061 - val_loss: 2.2722 - val_auc_110: 0.4987
Epoch 17/700
267/267 [=====] - 1s 3ms/step - loss: 2.1755 - auc_110:
0.5068 - val_loss: 2.7124 - val_auc_110: 0.4910
Epoch 18/700

267/267 [=====] - 1s 3ms/step - loss: 2.3157 - auc_110:
0.5055 - val_loss: 3.4931 - val_auc_110: 0.5116
Epoch 19/700
267/267 [=====] - 1s 3ms/step - loss: 2.4007 - auc_110:
0.5090 - val_loss: 2.8987 - val_auc_110: 0.4959
Epoch 20/700
267/267 [=====] - 1s 3ms/step - loss: 2.2417 - auc_110:
0.5067 - val_loss: 1.5305 - val_auc_110: 0.5095
Epoch 21/700
267/267 [=====] - 1s 3ms/step - loss: 2.2182 - auc_110:
0.5068 - val_loss: 1.9040 - val_auc_110: 0.5006
Epoch 22/700
267/267 [=====] - 1s 3ms/step - loss: 2.4148 - auc_110:
0.5099 - val_loss: 1.4082 - val_auc_110: 0.4941
Epoch 23/700
267/267 [=====] - 1s 3ms/step - loss: 2.3786 - auc_110:
0.5049 - val_loss: 2.0589 - val_auc_110: 0.5055
Epoch 24/700
267/267 [=====] - 1s 3ms/step - loss: 2.2794 - auc_110:
0.5077 - val_loss: 1.6946 - val_auc_110: 0.5106
Epoch 25/700
267/267 [=====] - 1s 3ms/step - loss: 2.1894 - auc_110:
0.5045 - val_loss: 3.2528 - val_auc_110: 0.5079
Epoch 26/700
267/267 [=====] - 1s 3ms/step - loss: 2.3936 - auc_110:
0.5046 - val_loss: 1.6236 - val_auc_110: 0.5121
Epoch 27/700
267/267 [=====] - 1s 3ms/step - loss: 2.5835 - auc_110:
0.5062 - val_loss: 2.4667 - val_auc_110: 0.5018
Epoch 28/700
267/267 [=====] - 1s 3ms/step - loss: 2.2231 - auc_110:
0.5085 - val_loss: 2.2228 - val_auc_110: 0.5024
Epoch 29/700
267/267 [=====] - 1s 3ms/step - loss: 2.3489 - auc_110:
0.5060 - val_loss: 2.9243 - val_auc_110: 0.5040
Epoch 30/700
267/267 [=====] - 1s 3ms/step - loss: 2.7911 - auc_110:
0.5037 - val_loss: 2.8619 - val_auc_110: 0.5092
Epoch 31/700
267/267 [=====] - 1s 3ms/step - loss: 2.3535 - auc_110:
0.5081 - val_loss: 3.5119 - val_auc_110: 0.5094
Epoch 32/700
267/267 [=====] - 1s 3ms/step - loss: 2.6090 - auc_110:
0.5082 - val_loss: 1.8507 - val_auc_110: 0.4952
Epoch 33/700
267/267 [=====] - 1s 3ms/step - loss: 2.4156 - auc_110:
0.5062 - val_loss: 2.5024 - val_auc_110: 0.5030
Epoch 34/700

267/267 [=====] - 1s 3ms/step - loss: 1.9073 - auc_110:
0.5088 - val_loss: 2.0045 - val_auc_110: 0.5008
Epoch 35/700
267/267 [=====] - 1s 3ms/step - loss: 2.7827 - auc_110:
0.5084 - val_loss: 1.7434 - val_auc_110: 0.4933
Epoch 36/700
267/267 [=====] - 1s 3ms/step - loss: 2.4392 - auc_110:
0.5075 - val_loss: 2.6064 - val_auc_110: 0.5087
Epoch 37/700
267/267 [=====] - 1s 3ms/step - loss: 2.4965 - auc_110:
0.5112 - val_loss: 2.4732 - val_auc_110: 0.5000
Epoch 38/700
267/267 [=====] - 1s 3ms/step - loss: 2.0144 - auc_110:
0.5096 - val_loss: 1.6285 - val_auc_110: 0.5044
Epoch 39/700
267/267 [=====] - 1s 3ms/step - loss: 2.2414 - auc_110:
0.5085 - val_loss: 2.6273 - val_auc_110: 0.5138
Epoch 40/700
267/267 [=====] - 1s 3ms/step - loss: 2.0390 - auc_110:
0.5076 - val_loss: 1.0752 - val_auc_110: 0.5006
Epoch 41/700
267/267 [=====] - 1s 3ms/step - loss: 1.8716 - auc_110:
0.5090 - val_loss: 1.4886 - val_auc_110: 0.5088
Epoch 42/700
267/267 [=====] - 1s 3ms/step - loss: 2.3126 - auc_110:
0.5039 - val_loss: 3.3788 - val_auc_110: 0.5104
Epoch 43/700
267/267 [=====] - 1s 3ms/step - loss: 2.7676 - auc_110:
0.5067 - val_loss: 3.3206 - val_auc_110: 0.5131
Epoch 44/700
267/267 [=====] - 1s 3ms/step - loss: 2.2706 - auc_110:
0.5100 - val_loss: 3.1866 - val_auc_110: 0.5093
Epoch 45/700
267/267 [=====] - 1s 3ms/step - loss: 2.2531 - auc_110:
0.5087 - val_loss: 3.0125 - val_auc_110: 0.5044
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 2.2124 - auc_110:
0.5102 - val_loss: 2.3766 - val_auc_110: 0.5000
Epoch 47/700
267/267 [=====] - 1s 3ms/step - loss: 1.8034 - auc_110:
0.5093 - val_loss: 1.1305 - val_auc_110: 0.5045
Epoch 48/700
267/267 [=====] - 1s 3ms/step - loss: 2.3173 - auc_110:
0.5084 - val_loss: 1.8388 - val_auc_110: 0.5058
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 2.1125 - auc_110:
0.5047 - val_loss: 2.0461 - val_auc_110: 0.5103
Epoch 50/700

267/267 [=====] - 1s 3ms/step - loss: 2.2883 - auc_110:
0.5088 - val_loss: 2.0705 - val_auc_110: 0.5079
Epoch 51/700
267/267 [=====] - 1s 3ms/step - loss: 2.2779 - auc_110:
0.5092 - val_loss: 1.6705 - val_auc_110: 0.5087
Epoch 52/700
267/267 [=====] - 1s 3ms/step - loss: 2.4139 - auc_110:
0.5098 - val_loss: 4.1777 - val_auc_110: 0.4870
Epoch 53/700
267/267 [=====] - 1s 3ms/step - loss: 2.6958 - auc_110:
0.5072 - val_loss: 1.9612 - val_auc_110: 0.5099
Epoch 54/700
267/267 [=====] - 1s 3ms/step - loss: 2.5260 - auc_110:
0.5077 - val_loss: 3.6455 - val_auc_110: 0.5055
Epoch 55/700
267/267 [=====] - 1s 3ms/step - loss: 2.4362 - auc_110:
0.5049 - val_loss: 1.7539 - val_auc_110: 0.5098
Epoch 56/700
267/267 [=====] - 1s 3ms/step - loss: 2.3273 - auc_110:
0.5067 - val_loss: 5.0268 - val_auc_110: 0.5029
Epoch 57/700
267/267 [=====] - 1s 3ms/step - loss: 2.0769 - auc_110:
0.5089 - val_loss: 3.2244 - val_auc_110: 0.5114
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 2.4361 - auc_110:
0.5108 - val_loss: 1.7971 - val_auc_110: 0.4873
Epoch 59/700
267/267 [=====] - 1s 3ms/step - loss: 2.4150 - auc_110:
0.5075 - val_loss: 3.2967 - val_auc_110: 0.5007
Epoch 60/700
267/267 [=====] - 1s 3ms/step - loss: 2.1454 - auc_110:
0.5115 - val_loss: 3.0929 - val_auc_110: 0.5046
Epoch 61/700
267/267 [=====] - 1s 3ms/step - loss: 2.3392 - auc_110:
0.5091 - val_loss: 2.6881 - val_auc_110: 0.5045
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 2.6713 - auc_110:
0.5104 - val_loss: 2.7950 - val_auc_110: 0.5127
Epoch 63/700
267/267 [=====] - 1s 3ms/step - loss: 2.1621 - auc_110:
0.5092 - val_loss: 3.2755 - val_auc_110: 0.4961
Epoch 64/700
267/267 [=====] - 1s 3ms/step - loss: 2.4434 - auc_110:
0.5095 - val_loss: 2.7579 - val_auc_110: 0.5018
Epoch 65/700
267/267 [=====] - 1s 3ms/step - loss: 2.3323 - auc_110:
0.5088 - val_loss: 2.3271 - val_auc_110: 0.5071
Epoch 66/700

267/267 [=====] - 1s 3ms/step - loss: 2.4099 - auc_110:
 0.5078 - val_loss: 1.3421 - val_auc_110: 0.5125
 Epoch 67/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1048 - auc_110:
 0.5063 - val_loss: 3.2435 - val_auc_110: 0.5131
 Epoch 68/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6473 - auc_110:
 0.5081 - val_loss: 1.8051 - val_auc_110: 0.5049
 Epoch 69/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1248 - auc_110:
 0.5058 - val_loss: 1.5603 - val_auc_110: 0.5135
 Epoch 70/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0383 - auc_110:
 0.5074 - val_loss: 1.8723 - val_auc_110: 0.5159
 Epoch 71/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0293 - auc_110:
 0.5118 - val_loss: 1.8269 - val_auc_110: 0.5050
 Epoch 72/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5285 - auc_110:
 0.5027 - val_loss: 2.4661 - val_auc_110: 0.5022
 Epoch 73/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7923 - auc_110:
 0.5084 - val_loss: 2.4325 - val_auc_110: 0.5167
 Epoch 74/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3504 - auc_110:
 0.5077 - val_loss: 1.8014 - val_auc_110: 0.5110
 Epoch 75/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2555 - auc_110:
 0.5082 - val_loss: 1.8275 - val_auc_110: 0.4992
 Epoch 76/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4244 - auc_110:
 0.5071 - val_loss: 2.9377 - val_auc_110: 0.5098
 Epoch 77/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4460 - auc_110:
 0.5100 - val_loss: 2.0067 - val_auc_110: 0.5053
 Epoch 78/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0993 - auc_110:
 0.5120 - val_loss: 1.9810 - val_auc_110: 0.4964
 Epoch 79/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4661 - auc_110:
 0.5074 - val_loss: 2.4037 - val_auc_110: 0.4942
 Epoch 80/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3471 - auc_110:
 0.5057 - val_loss: 1.3398 - val_auc_110: 0.4997
 Epoch 81/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5044 - auc_110:
 0.5094 - val_loss: 1.6858 - val_auc_110: 0.5095
 Epoch 82/700

267/267 [=====] - 1s 3ms/step - loss: 2.3275 - auc_110:
0.5047 - val_loss: 2.0784 - val_auc_110: 0.4960
Epoch 83/700
267/267 [=====] - 1s 3ms/step - loss: 2.3320 - auc_110:
0.5094 - val_loss: 2.5603 - val_auc_110: 0.5161
Epoch 84/700
267/267 [=====] - 1s 3ms/step - loss: 2.3314 - auc_110:
0.5057 - val_loss: 2.7968 - val_auc_110: 0.5066
Epoch 85/700
267/267 [=====] - 1s 3ms/step - loss: 2.3477 - auc_110:
0.5068 - val_loss: 1.3257 - val_auc_110: 0.5024
Epoch 86/700
267/267 [=====] - 1s 3ms/step - loss: 2.4496 - auc_110:
0.5082 - val_loss: 2.1956 - val_auc_110: 0.5143
Epoch 87/700
267/267 [=====] - 1s 3ms/step - loss: 2.4258 - auc_110:
0.5071 - val_loss: 1.3103 - val_auc_110: 0.4971
Epoch 88/700
267/267 [=====] - 1s 3ms/step - loss: 2.3971 - auc_110:
0.5037 - val_loss: 4.6365 - val_auc_110: 0.5065
Epoch 89/700
267/267 [=====] - 1s 3ms/step - loss: 2.4082 - auc_110:
0.5116 - val_loss: 2.1068 - val_auc_110: 0.5131
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 2.4070 - auc_110:
0.5066 - val_loss: 2.5143 - val_auc_110: 0.5107
Epoch 91/700
267/267 [=====] - 1s 3ms/step - loss: 2.3321 - auc_110:
0.5106 - val_loss: 1.9984 - val_auc_110: 0.4968
Epoch 92/700
267/267 [=====] - 1s 3ms/step - loss: 2.3351 - auc_110:
0.5085 - val_loss: 1.9554 - val_auc_110: 0.5029
Epoch 93/700
267/267 [=====] - 1s 3ms/step - loss: 2.3080 - auc_110:
0.5068 - val_loss: 2.2541 - val_auc_110: 0.4984
Epoch 94/700
267/267 [=====] - 1s 3ms/step - loss: 1.9603 - auc_110:
0.5102 - val_loss: 1.8471 - val_auc_110: 0.5027
Epoch 95/700
267/267 [=====] - 1s 3ms/step - loss: 2.3034 - auc_110:
0.5097 - val_loss: 2.0770 - val_auc_110: 0.5058
Epoch 96/700
267/267 [=====] - 1s 3ms/step - loss: 2.3808 - auc_110:
0.5075 - val_loss: 2.2754 - val_auc_110: 0.5078
Epoch 97/700
267/267 [=====] - 1s 3ms/step - loss: 2.5182 - auc_110:
0.5060 - val_loss: 2.5905 - val_auc_110: 0.4905
Epoch 98/700

267/267 [=====] - 1s 3ms/step - loss: 2.4791 - auc_110:
 0.5070 - val_loss: 3.8636 - val_auc_110: 0.5121
 Epoch 99/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0237 - auc_110:
 0.5077 - val_loss: 1.2429 - val_auc_110: 0.5173
 Epoch 100/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1979 - auc_110:
 0.5076 - val_loss: 2.6729 - val_auc_110: 0.5135
 Epoch 101/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3497 - auc_110:
 0.5079 - val_loss: 2.4226 - val_auc_110: 0.4987
 Epoch 102/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4144 - auc_110:
 0.5052 - val_loss: 2.1213 - val_auc_110: 0.4932
 Epoch 103/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9849 - auc_110:
 0.5061 - val_loss: 3.7608 - val_auc_110: 0.5075
 Epoch 104/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3190 - auc_110:
 0.5076 - val_loss: 1.8431 - val_auc_110: 0.4921
 Epoch 105/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1234 - auc_110:
 0.5085 - val_loss: 1.8171 - val_auc_110: 0.5092
 Epoch 106/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0763 - auc_110:
 0.5102 - val_loss: 1.5709 - val_auc_110: 0.5121
 Epoch 107/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3958 - auc_110:
 0.5082 - val_loss: 3.3186 - val_auc_110: 0.5093
 Epoch 108/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3195 - auc_110:
 0.5082 - val_loss: 3.3638 - val_auc_110: 0.4958
 Epoch 109/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1852 - auc_110:
 0.5088 - val_loss: 1.9868 - val_auc_110: 0.5093
 Epoch 110/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4715 - auc_110:
 0.5078 - val_loss: 4.1796 - val_auc_110: 0.5131
 Epoch 111/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6592 - auc_110:
 0.5087 - val_loss: 2.1259 - val_auc_110: 0.5012
 Epoch 112/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2888 - auc_110:
 0.5068 - val_loss: 1.2361 - val_auc_110: 0.5112
 Epoch 113/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2877 - auc_110:
 0.5121 - val_loss: 3.9289 - val_auc_110: 0.5117
 Epoch 114/700

267/267 [=====] - 1s 3ms/step - loss: 2.5230 - auc_110:
 0.5083 - val_loss: 2.3723 - val_auc_110: 0.5036
 Epoch 115/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6276 - auc_110:
 0.5112 - val_loss: 2.2140 - val_auc_110: 0.4972
 Epoch 116/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1884 - auc_110:
 0.5092 - val_loss: 1.7295 - val_auc_110: 0.5066
 Epoch 117/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2274 - auc_110:
 0.5086 - val_loss: 3.7153 - val_auc_110: 0.5099
 Epoch 118/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1531 - auc_110:
 0.5072 - val_loss: 1.7061 - val_auc_110: 0.4981
 Epoch 119/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5186 - auc_110:
 0.5090 - val_loss: 2.3830 - val_auc_110: 0.4988
 Epoch 120/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4075 - auc_110:
 0.5092 - val_loss: 1.9650 - val_auc_110: 0.4896
 Epoch 121/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5961 - auc_110:
 0.5069 - val_loss: 3.8905 - val_auc_110: 0.4997
 Epoch 122/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4605 - auc_110:
 0.5087 - val_loss: 1.7476 - val_auc_110: 0.5058
 Epoch 123/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4000 - auc_110:
 0.5067 - val_loss: 2.4720 - val_auc_110: 0.5064
 Epoch 124/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2534 - auc_110:
 0.5090 - val_loss: 2.0382 - val_auc_110: 0.5059
 Epoch 125/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7361 - auc_110:
 0.5057 - val_loss: 2.7985 - val_auc_110: 0.4902
 Epoch 126/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2762 - auc_110:
 0.5112 - val_loss: 2.1239 - val_auc_110: 0.5079
 Epoch 127/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3297 - auc_110:
 0.5108 - val_loss: 3.9253 - val_auc_110: 0.5097
 Epoch 128/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3405 - auc_110:
 0.5103 - val_loss: 1.4415 - val_auc_110: 0.5072
 Epoch 129/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4144 - auc_110:
 0.5063 - val_loss: 2.3015 - val_auc_110: 0.5085
 Epoch 130/700

267/267 [=====] - 1s 3ms/step - loss: 1.9606 - auc_110:
 0.5096 - val_loss: 1.9095 - val_auc_110: 0.5037
 Epoch 131/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3423 - auc_110:
 0.5093 - val_loss: 3.3622 - val_auc_110: 0.5164
 Epoch 132/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3993 - auc_110:
 0.5119 - val_loss: 4.2743 - val_auc_110: 0.4925
 Epoch 133/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3171 - auc_110:
 0.5089 - val_loss: 1.4649 - val_auc_110: 0.5011
 Epoch 134/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4717 - auc_110:
 0.5060 - val_loss: 1.8944 - val_auc_110: 0.5099
 Epoch 135/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5244 - auc_110:
 0.5084 - val_loss: 1.1472 - val_auc_110: 0.4995
 Epoch 136/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2922 - auc_110:
 0.5113 - val_loss: 2.3633 - val_auc_110: 0.5077
 Epoch 137/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3373 - auc_110:
 0.5104 - val_loss: 2.5643 - val_auc_110: 0.5122
 Epoch 138/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7031 - auc_110:
 0.5067 - val_loss: 1.3958 - val_auc_110: 0.5058
 Epoch 139/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2928 - auc_110:
 0.5115 - val_loss: 2.4975 - val_auc_110: 0.5116
 Epoch 140/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4292 - auc_110:
 0.5078 - val_loss: 2.9296 - val_auc_110: 0.4913
 Epoch 141/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1813 - auc_110:
 0.5097 - val_loss: 3.0504 - val_auc_110: 0.4954
 Epoch 142/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2343 - auc_110:
 0.5087 - val_loss: 1.2946 - val_auc_110: 0.5049
 Epoch 143/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3232 - auc_110:
 0.5101 - val_loss: 1.5399 - val_auc_110: 0.5084
 Epoch 144/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1550 - auc_110:
 0.5085 - val_loss: 2.1644 - val_auc_110: 0.4984
 Epoch 145/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0906 - auc_110:
 0.5084 - val_loss: 2.1686 - val_auc_110: 0.5070
 Epoch 146/700

267/267 [=====] - 1s 3ms/step - loss: 2.0948 - auc_110:
 0.5087 - val_loss: 1.7884 - val_auc_110: 0.4993
 Epoch 147/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1370 - auc_110:
 0.5041 - val_loss: 1.3808 - val_auc_110: 0.5013
 Epoch 148/700
 267/267 [=====] - 1s 3ms/step - loss: 3.0488 - auc_110:
 0.5091 - val_loss: 2.0226 - val_auc_110: 0.5031
 Epoch 149/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2296 - auc_110:
 0.5087 - val_loss: 1.7215 - val_auc_110: 0.5084
 Epoch 150/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4517 - auc_110:
 0.5092 - val_loss: 2.1942 - val_auc_110: 0.5168
 Epoch 151/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5118 - auc_110:
 0.5120 - val_loss: 2.0974 - val_auc_110: 0.5098
 Epoch 152/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5332 - auc_110:
 0.5072 - val_loss: 1.9577 - val_auc_110: 0.5184
 Epoch 153/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1783 - auc_110:
 0.5078 - val_loss: 1.5966 - val_auc_110: 0.5086
 Epoch 154/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3593 - auc_110:
 0.5074 - val_loss: 1.8773 - val_auc_110: 0.5022
 Epoch 155/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4295 - auc_110:
 0.5085 - val_loss: 1.8796 - val_auc_110: 0.5005
 Epoch 156/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7711 - auc_110:
 0.5077 - val_loss: 2.4453 - val_auc_110: 0.4980
 Epoch 157/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5831 - auc_110:
 0.5100 - val_loss: 2.4911 - val_auc_110: 0.5087
 Epoch 158/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5894 - auc_110:
 0.5088 - val_loss: 1.6496 - val_auc_110: 0.5014
 Epoch 159/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1021 - auc_110:
 0.5103 - val_loss: 4.1856 - val_auc_110: 0.5097
 Epoch 160/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1472 - auc_110:
 0.5101 - val_loss: 2.0250 - val_auc_110: 0.5183
 Epoch 161/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4798 - auc_110:
 0.5094 - val_loss: 1.6398 - val_auc_110: 0.5142
 Epoch 162/700

267/267 [=====] - 1s 3ms/step - loss: 2.2574 - auc_110:
0.5091 - val_loss: 2.7218 - val_auc_110: 0.5157
Epoch 163/700
267/267 [=====] - 1s 3ms/step - loss: 2.1633 - auc_110:
0.5118 - val_loss: 1.7515 - val_auc_110: 0.5125
Epoch 164/700
267/267 [=====] - 1s 3ms/step - loss: 1.9298 - auc_110:
0.5102 - val_loss: 2.2662 - val_auc_110: 0.5116
Epoch 165/700
267/267 [=====] - 1s 3ms/step - loss: 2.2119 - auc_110:
0.5104 - val_loss: 2.0177 - val_auc_110: 0.5093
Epoch 166/700
267/267 [=====] - 1s 3ms/step - loss: 2.0330 - auc_110:
0.5061 - val_loss: 3.8924 - val_auc_110: 0.4960
Epoch 167/700
267/267 [=====] - 1s 3ms/step - loss: 2.4893 - auc_110:
0.5068 - val_loss: 3.0802 - val_auc_110: 0.5058
Epoch 168/700
267/267 [=====] - 1s 3ms/step - loss: 2.8017 - auc_110:
0.5084 - val_loss: 2.1284 - val_auc_110: 0.5006
Epoch 169/700
267/267 [=====] - 1s 3ms/step - loss: 2.4386 - auc_110:
0.5064 - val_loss: 2.1727 - val_auc_110: 0.5102
Epoch 170/700
267/267 [=====] - 1s 3ms/step - loss: 2.1281 - auc_110:
0.5100 - val_loss: 1.9006 - val_auc_110: 0.5131
Epoch 171/700
267/267 [=====] - 1s 3ms/step - loss: 2.2251 - auc_110:
0.5084 - val_loss: 1.4546 - val_auc_110: 0.5075
Epoch 172/700
267/267 [=====] - 1s 4ms/step - loss: 2.4491 - auc_110:
0.5092 - val_loss: 5.8609 - val_auc_110: 0.5093
Epoch 173/700
267/267 [=====] - 1s 3ms/step - loss: 3.0371 - auc_110:
0.5072 - val_loss: 1.2773 - val_auc_110: 0.5083
Epoch 174/700
267/267 [=====] - 1s 3ms/step - loss: 2.5433 - auc_110:
0.5058 - val_loss: 4.0918 - val_auc_110: 0.5081
Epoch 175/700
267/267 [=====] - 1s 3ms/step - loss: 2.3201 - auc_110:
0.5056 - val_loss: 1.6181 - val_auc_110: 0.5042
Epoch 176/700
267/267 [=====] - 1s 3ms/step - loss: 2.3001 - auc_110:
0.5018 - val_loss: 4.2066 - val_auc_110: 0.5043
Epoch 177/700
267/267 [=====] - 1s 3ms/step - loss: 2.3039 - auc_110:
0.5058 - val_loss: 1.1538 - val_auc_110: 0.5063
Epoch 178/700

267/267 [=====] - 1s 3ms/step - loss: 2.4817 - auc_110:
0.5101 - val_loss: 1.7661 - val_auc_110: 0.5007
Epoch 179/700
267/267 [=====] - 1s 3ms/step - loss: 2.4357 - auc_110:
0.5117 - val_loss: 3.0304 - val_auc_110: 0.5070
Epoch 180/700
267/267 [=====] - 1s 3ms/step - loss: 2.6832 - auc_110:
0.5069 - val_loss: 2.4852 - val_auc_110: 0.4981
Epoch 181/700
267/267 [=====] - 1s 3ms/step - loss: 2.2662 - auc_110:
0.5071 - val_loss: 2.6308 - val_auc_110: 0.5012
Epoch 182/700
267/267 [=====] - 1s 3ms/step - loss: 1.9816 - auc_110:
0.5062 - val_loss: 2.1813 - val_auc_110: 0.4935
Epoch 183/700
267/267 [=====] - 1s 3ms/step - loss: 1.9198 - auc_110:
0.5071 - val_loss: 1.5562 - val_auc_110: 0.5063
Epoch 184/700
267/267 [=====] - 1s 3ms/step - loss: 2.4393 - auc_110:
0.5109 - val_loss: 3.8085 - val_auc_110: 0.4953
Epoch 185/700
267/267 [=====] - 1s 3ms/step - loss: 2.4625 - auc_110:
0.5092 - val_loss: 2.5332 - val_auc_110: 0.5064
Epoch 186/700
267/267 [=====] - 1s 3ms/step - loss: 2.0517 - auc_110:
0.5092 - val_loss: 2.9846 - val_auc_110: 0.5138
Epoch 187/700
267/267 [=====] - 1s 3ms/step - loss: 2.3660 - auc_110:
0.5053 - val_loss: 1.6222 - val_auc_110: 0.5054
Epoch 188/700
267/267 [=====] - 1s 3ms/step - loss: 2.1896 - auc_110:
0.5063 - val_loss: 2.0858 - val_auc_110: 0.5039
Epoch 189/700
267/267 [=====] - 1s 3ms/step - loss: 2.5622 - auc_110:
0.5083 - val_loss: 1.8336 - val_auc_110: 0.5104
Epoch 190/700
267/267 [=====] - 1s 3ms/step - loss: 2.4906 - auc_110:
0.5070 - val_loss: 2.7508 - val_auc_110: 0.5076
Epoch 191/700
267/267 [=====] - 1s 3ms/step - loss: 2.1487 - auc_110:
0.5072 - val_loss: 3.0578 - val_auc_110: 0.5073
Epoch 192/700
267/267 [=====] - 1s 3ms/step - loss: 2.6393 - auc_110:
0.5099 - val_loss: 1.7129 - val_auc_110: 0.5114
Epoch 193/700
267/267 [=====] - 1s 3ms/step - loss: 2.2088 - auc_110:
0.5095 - val_loss: 2.3620 - val_auc_110: 0.4903
Epoch 194/700

267/267 [=====] - 1s 3ms/step - loss: 2.3931 - auc_110:
 0.5074 - val_loss: 1.2722 - val_auc_110: 0.5061
 Epoch 195/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9943 - auc_110:
 0.5107 - val_loss: 2.9035 - val_auc_110: 0.5052
 Epoch 196/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2048 - auc_110:
 0.5078 - val_loss: 3.6094 - val_auc_110: 0.5101
 Epoch 197/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3896 - auc_110:
 0.5091 - val_loss: 1.4562 - val_auc_110: 0.5054
 Epoch 198/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9783 - auc_110:
 0.5083 - val_loss: 2.7670 - val_auc_110: 0.5104
 Epoch 199/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0127 - auc_110:
 0.5097 - val_loss: 1.8737 - val_auc_110: 0.5039
 Epoch 200/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3205 - auc_110:
 0.5092 - val_loss: 1.6267 - val_auc_110: 0.5101
 Epoch 201/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6241 - auc_110:
 0.5046 - val_loss: 2.1642 - val_auc_110: 0.5080
 Epoch 202/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2595 - auc_110:
 0.5082 - val_loss: 2.7738 - val_auc_110: 0.5048
 Epoch 203/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2743 - auc_110:
 0.5095 - val_loss: 1.7814 - val_auc_110: 0.5094
 Epoch 204/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2876 - auc_110:
 0.5103 - val_loss: 3.1092 - val_auc_110: 0.5080
 Epoch 205/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4287 - auc_110:
 0.5065 - val_loss: 2.7545 - val_auc_110: 0.5062
 Epoch 206/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3599 - auc_110:
 0.5057 - val_loss: 2.7255 - val_auc_110: 0.5135
 Epoch 207/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2652 - auc_110:
 0.5095 - val_loss: 2.5253 - val_auc_110: 0.5093
 Epoch 208/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9404 - auc_110:
 0.5074 - val_loss: 1.7311 - val_auc_110: 0.5061
 Epoch 209/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1828 - auc_110:
 0.5077 - val_loss: 1.7439 - val_auc_110: 0.5082
 Epoch 210/700

267/267 [=====] - 1s 3ms/step - loss: 3.0105 - auc_110:
 0.5040 - val_loss: 3.4965 - val_auc_110: 0.5069
 Epoch 211/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4790 - auc_110:
 0.5074 - val_loss: 2.4295 - val_auc_110: 0.5149
 Epoch 212/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2444 - auc_110:
 0.5071 - val_loss: 1.5768 - val_auc_110: 0.5121
 Epoch 213/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6244 - auc_110:
 0.5092 - val_loss: 1.8677 - val_auc_110: 0.5049
 Epoch 214/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1275 - auc_110:
 0.5097 - val_loss: 2.2778 - val_auc_110: 0.5072
 Epoch 215/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5455 - auc_110:
 0.5068 - val_loss: 1.7451 - val_auc_110: 0.5197
 Epoch 216/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5317 - auc_110:
 0.5060 - val_loss: 1.8095 - val_auc_110: 0.5082
 Epoch 217/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2085 - auc_110:
 0.5095 - val_loss: 2.2194 - val_auc_110: 0.5122
 Epoch 218/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1559 - auc_110:
 0.5095 - val_loss: 2.1695 - val_auc_110: 0.5151
 Epoch 219/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4535 - auc_110:
 0.5108 - val_loss: 2.2374 - val_auc_110: 0.5112
 Epoch 220/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4520 - auc_110:
 0.5100 - val_loss: 3.2104 - val_auc_110: 0.5023
 Epoch 221/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4628 - auc_110:
 0.5052 - val_loss: 1.9510 - val_auc_110: 0.5014
 Epoch 222/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2278 - auc_110:
 0.5089 - val_loss: 1.8735 - val_auc_110: 0.5137
 Epoch 223/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0460 - auc_110:
 0.5084 - val_loss: 1.4624 - val_auc_110: 0.5077
 Epoch 224/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4885 - auc_110:
 0.5092 - val_loss: 1.9898 - val_auc_110: 0.5102
 Epoch 225/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1063 - auc_110:
 0.5118 - val_loss: 2.7441 - val_auc_110: 0.4972
 Epoch 226/700

267/267 [=====] - 1s 3ms/step - loss: 2.1967 - auc_110:
 0.5085 - val_loss: 1.5295 - val_auc_110: 0.5172
 Epoch 227/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0615 - auc_110:
 0.5096 - val_loss: 1.6646 - val_auc_110: 0.5086
 Epoch 228/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3126 - auc_110:
 0.5071 - val_loss: 2.4256 - val_auc_110: 0.5115
 Epoch 229/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2958 - auc_110:
 0.5105 - val_loss: 3.0408 - val_auc_110: 0.5132
 Epoch 230/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5681 - auc_110:
 0.5061 - val_loss: 2.2560 - val_auc_110: 0.5145
 Epoch 231/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8019 - auc_110:
 0.5094 - val_loss: 2.1006 - val_auc_110: 0.4953
 Epoch 232/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2155 - auc_110:
 0.5095 - val_loss: 1.9067 - val_auc_110: 0.5086
 Epoch 233/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0048 - auc_110:
 0.5088 - val_loss: 1.6637 - val_auc_110: 0.5123
 Epoch 234/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2009 - auc_110:
 0.5087 - val_loss: 1.9400 - val_auc_110: 0.5175
 Epoch 235/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0404 - auc_110:
 0.5067 - val_loss: 2.6157 - val_auc_110: 0.4995
 Epoch 236/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2162 - auc_110:
 0.5087 - val_loss: 1.5307 - val_auc_110: 0.5020
 Epoch 237/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3245 - auc_110:
 0.5099 - val_loss: 2.3023 - val_auc_110: 0.5036
 Epoch 238/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4868 - auc_110:
 0.5066 - val_loss: 2.6374 - val_auc_110: 0.4949
 Epoch 239/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3492 - auc_110:
 0.5108 - val_loss: 3.5881 - val_auc_110: 0.4994
 Epoch 240/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6367 - auc_110:
 0.5084 - val_loss: 1.6187 - val_auc_110: 0.5130
 Epoch 241/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0066 - auc_110:
 0.5078 - val_loss: 3.3702 - val_auc_110: 0.5076
 Epoch 242/700

267/267 [=====] - 1s 3ms/step - loss: 2.3039 - auc_110:
0.5102 - val_loss: 1.9070 - val_auc_110: 0.5122
Epoch 243/700
267/267 [=====] - 1s 3ms/step - loss: 2.3107 - auc_110:
0.5089 - val_loss: 1.4499 - val_auc_110: 0.5100
Epoch 244/700
267/267 [=====] - 1s 3ms/step - loss: 2.0566 - auc_110:
0.5102 - val_loss: 2.9137 - val_auc_110: 0.4987
Epoch 245/700
267/267 [=====] - 1s 3ms/step - loss: 2.6594 - auc_110:
0.5090 - val_loss: 2.1069 - val_auc_110: 0.5128
Epoch 246/700
267/267 [=====] - 1s 3ms/step - loss: 2.3600 - auc_110:
0.5109 - val_loss: 1.4902 - val_auc_110: 0.5010
Epoch 247/700
267/267 [=====] - 1s 4ms/step - loss: 2.2173 - auc_110:
0.5054 - val_loss: 1.3221 - val_auc_110: 0.5034
Epoch 248/700
267/267 [=====] - 1s 3ms/step - loss: 1.8578 - auc_110:
0.5092 - val_loss: 2.5954 - val_auc_110: 0.4967
Epoch 249/700
267/267 [=====] - 1s 3ms/step - loss: 2.2721 - auc_110:
0.5095 - val_loss: 2.4634 - val_auc_110: 0.5074
Epoch 250/700
267/267 [=====] - 1s 3ms/step - loss: 2.5483 - auc_110:
0.5062 - val_loss: 1.5897 - val_auc_110: 0.5082
Epoch 251/700
267/267 [=====] - 1s 3ms/step - loss: 2.3940 - auc_110:
0.5118 - val_loss: 3.5301 - val_auc_110: 0.4947
Epoch 252/700
267/267 [=====] - 1s 3ms/step - loss: 2.6275 - auc_110:
0.5086 - val_loss: 3.6536 - val_auc_110: 0.5124
Epoch 253/700
267/267 [=====] - 1s 3ms/step - loss: 2.4628 - auc_110:
0.5104 - val_loss: 2.9221 - val_auc_110: 0.5023
Epoch 254/700
267/267 [=====] - 1s 3ms/step - loss: 2.2970 - auc_110:
0.5118 - val_loss: 2.5043 - val_auc_110: 0.5076
Epoch 255/700
267/267 [=====] - 1s 3ms/step - loss: 2.5153 - auc_110:
0.5095 - val_loss: 1.5828 - val_auc_110: 0.5139
Epoch 256/700
267/267 [=====] - 1s 3ms/step - loss: 2.2263 - auc_110:
0.5094 - val_loss: 2.1377 - val_auc_110: 0.5080
Epoch 257/700
267/267 [=====] - 1s 3ms/step - loss: 2.3234 - auc_110:
0.5096 - val_loss: 2.9931 - val_auc_110: 0.5070
Epoch 258/700

267/267 [=====] - 1s 3ms/step - loss: 2.0073 - auc_110:
 0.5080 - val_loss: 1.6473 - val_auc_110: 0.4957
 Epoch 259/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4475 - auc_110:
 0.5071 - val_loss: 2.3219 - val_auc_110: 0.4948
 Epoch 260/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2658 - auc_110:
 0.5095 - val_loss: 2.1448 - val_auc_110: 0.5129
 Epoch 261/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0739 - auc_110:
 0.5081 - val_loss: 2.5104 - val_auc_110: 0.5004
 Epoch 262/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7077 - auc_110:
 0.5075 - val_loss: 1.3258 - val_auc_110: 0.5009
 Epoch 263/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1452 - auc_110:
 0.5086 - val_loss: 2.1093 - val_auc_110: 0.5005
 Epoch 264/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6578 - auc_110:
 0.5082 - val_loss: 1.5506 - val_auc_110: 0.5133
 Epoch 265/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2426 - auc_110:
 0.5086 - val_loss: 3.4127 - val_auc_110: 0.5076
 Epoch 266/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1604 - auc_110:
 0.5075 - val_loss: 1.1624 - val_auc_110: 0.5107
 Epoch 267/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6518 - auc_110:
 0.5081 - val_loss: 2.9098 - val_auc_110: 0.5153
 Epoch 268/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2427 - auc_110:
 0.5111 - val_loss: 1.5139 - val_auc_110: 0.5113
 Epoch 269/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0870 - auc_110:
 0.5097 - val_loss: 1.6315 - val_auc_110: 0.5037
 Epoch 270/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4237 - auc_110:
 0.5083 - val_loss: 2.3040 - val_auc_110: 0.5043
 Epoch 271/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0423 - auc_110:
 0.5094 - val_loss: 1.8773 - val_auc_110: 0.5129
 Epoch 272/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0629 - auc_110:
 0.5073 - val_loss: 1.6661 - val_auc_110: 0.5076
 Epoch 273/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2405 - auc_110:
 0.5130 - val_loss: 1.7489 - val_auc_110: 0.5132
 Epoch 274/700

267/267 [=====] - 1s 3ms/step - loss: 2.5853 - auc_110:
 0.5099 - val_loss: 1.8527 - val_auc_110: 0.5012
 Epoch 275/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2140 - auc_110:
 0.5109 - val_loss: 1.6502 - val_auc_110: 0.4975
 Epoch 276/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1702 - auc_110:
 0.5098 - val_loss: 3.7305 - val_auc_110: 0.5138
 Epoch 277/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4453 - auc_110:
 0.5070 - val_loss: 1.3901 - val_auc_110: 0.5085
 Epoch 278/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2829 - auc_110:
 0.5107 - val_loss: 2.1330 - val_auc_110: 0.5087
 Epoch 279/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1384 - auc_110:
 0.5062 - val_loss: 1.9828 - val_auc_110: 0.5036
 Epoch 280/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9397 - auc_110:
 0.5081 - val_loss: 2.5734 - val_auc_110: 0.5056
 Epoch 281/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0962 - auc_110:
 0.5104 - val_loss: 1.0965 - val_auc_110: 0.5163
 Epoch 282/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2631 - auc_110:
 0.5075 - val_loss: 3.0979 - val_auc_110: 0.5116
 Epoch 283/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2310 - auc_110:
 0.5071 - val_loss: 2.5128 - val_auc_110: 0.4947
 Epoch 284/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1887 - auc_110:
 0.5085 - val_loss: 2.2824 - val_auc_110: 0.5061
 Epoch 285/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3982 - auc_110:
 0.5081 - val_loss: 1.7633 - val_auc_110: 0.4950
 Epoch 286/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6179 - auc_110:
 0.5110 - val_loss: 3.2326 - val_auc_110: 0.4979
 Epoch 287/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1551 - auc_110:
 0.5124 - val_loss: 2.8159 - val_auc_110: 0.5059
 Epoch 288/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2451 - auc_110:
 0.5094 - val_loss: 1.5487 - val_auc_110: 0.5102
 Epoch 289/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6404 - auc_110:
 0.5081 - val_loss: 3.7585 - val_auc_110: 0.5120
 Epoch 290/700

267/267 [=====] - 1s 3ms/step - loss: 2.1212 - auc_110:
 0.5096 - val_loss: 1.8034 - val_auc_110: 0.5064
 Epoch 291/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3215 - auc_110:
 0.5031 - val_loss: 1.8516 - val_auc_110: 0.5011
 Epoch 292/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1488 - auc_110:
 0.5067 - val_loss: 2.8290 - val_auc_110: 0.4975
 Epoch 293/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0676 - auc_110:
 0.5146 - val_loss: 1.6257 - val_auc_110: 0.5144
 Epoch 294/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6102 - auc_110:
 0.5084 - val_loss: 2.4475 - val_auc_110: 0.5103
 Epoch 295/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0938 - auc_110:
 0.5119 - val_loss: 1.8776 - val_auc_110: 0.5096
 Epoch 296/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1349 - auc_110:
 0.5097 - val_loss: 1.5266 - val_auc_110: 0.5065
 Epoch 297/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2821 - auc_110:
 0.5097 - val_loss: 1.5789 - val_auc_110: 0.5015
 Epoch 298/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5869 - auc_110:
 0.5091 - val_loss: 2.7025 - val_auc_110: 0.5073
 Epoch 299/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4115 - auc_110:
 0.5078 - val_loss: 1.2866 - val_auc_110: 0.5106
 Epoch 300/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1484 - auc_110:
 0.5097 - val_loss: 2.5179 - val_auc_110: 0.4951
 Epoch 301/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7100 - auc_110:
 0.5063 - val_loss: 3.5931 - val_auc_110: 0.5185
 Epoch 302/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2142 - auc_110:
 0.5100 - val_loss: 1.2188 - val_auc_110: 0.5052
 Epoch 303/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9716 - auc_110:
 0.5122 - val_loss: 2.4913 - val_auc_110: 0.5102
 Epoch 304/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8559 - auc_110:
 0.5083 - val_loss: 3.7111 - val_auc_110: 0.5067
 Epoch 305/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1508 - auc_110:
 0.5087 - val_loss: 1.5138 - val_auc_110: 0.5053
 Epoch 306/700

267/267 [=====] - 1s 3ms/step - loss: 2.3156 - auc_110:
 0.5075 - val_loss: 2.8528 - val_auc_110: 0.5013
 Epoch 307/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2705 - auc_110:
 0.5104 - val_loss: 2.2355 - val_auc_110: 0.5071
 Epoch 308/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7531 - auc_110:
 0.5082 - val_loss: 1.9194 - val_auc_110: 0.5088
 Epoch 309/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2611 - auc_110:
 0.5081 - val_loss: 1.7705 - val_auc_110: 0.5076
 Epoch 310/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2235 - auc_110:
 0.5082 - val_loss: 1.7606 - val_auc_110: 0.5106
 Epoch 311/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5392 - auc_110:
 0.5071 - val_loss: 2.3729 - val_auc_110: 0.5152
 Epoch 312/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3605 - auc_110:
 0.5105 - val_loss: 1.8396 - val_auc_110: 0.5161
 Epoch 313/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3311 - auc_110:
 0.5152 - val_loss: 1.5544 - val_auc_110: 0.5041
 Epoch 314/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1199 - auc_110:
 0.5065 - val_loss: 2.0655 - val_auc_110: 0.5035
 Epoch 315/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4147 - auc_110:
 0.5094 - val_loss: 1.7352 - val_auc_110: 0.5116
 Epoch 316/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5255 - auc_110:
 0.5095 - val_loss: 1.4717 - val_auc_110: 0.4989
 Epoch 317/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1302 - auc_110:
 0.5080 - val_loss: 1.5501 - val_auc_110: 0.5087
 Epoch 318/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0617 - auc_110:
 0.5056 - val_loss: 1.5733 - val_auc_110: 0.5018
 Epoch 319/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0064 - auc_110:
 0.5117 - val_loss: 1.6313 - val_auc_110: 0.5101
 Epoch 320/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2927 - auc_110:
 0.5081 - val_loss: 3.4195 - val_auc_110: 0.5179
 Epoch 321/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6087 - auc_110:
 0.5057 - val_loss: 2.8836 - val_auc_110: 0.5005
 Epoch 322/700

267/267 [=====] - 1s 3ms/step - loss: 2.6366 - auc_110:
 0.5103 - val_loss: 3.4896 - val_auc_110: 0.5072
 Epoch 323/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1662 - auc_110:
 0.5095 - val_loss: 4.2504 - val_auc_110: 0.5058
 Epoch 324/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4916 - auc_110:
 0.5104 - val_loss: 2.0264 - val_auc_110: 0.5079
 Epoch 325/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3365 - auc_110:
 0.5124 - val_loss: 2.4557 - val_auc_110: 0.5098
 Epoch 326/700
 267/267 [=====] - 1s 3ms/step - loss: 1.8279 - auc_110:
 0.5103 - val_loss: 1.9947 - val_auc_110: 0.5091
 Epoch 327/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6099 - auc_110:
 0.5110 - val_loss: 2.0400 - val_auc_110: 0.4949
 Epoch 328/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1305 - auc_110:
 0.5059 - val_loss: 1.7870 - val_auc_110: 0.5082
 Epoch 329/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4724 - auc_110:
 0.5083 - val_loss: 1.8791 - val_auc_110: 0.4971
 Epoch 330/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3940 - auc_110:
 0.5091 - val_loss: 2.8494 - val_auc_110: 0.5029
 Epoch 331/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4594 - auc_110:
 0.5097 - val_loss: 3.1394 - val_auc_110: 0.5056
 Epoch 332/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8085 - auc_110:
 0.5095 - val_loss: 3.4061 - val_auc_110: 0.5039
 Epoch 333/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5168 - auc_110:
 0.5070 - val_loss: 2.4595 - val_auc_110: 0.5107
 Epoch 334/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2865 - auc_110:
 0.5077 - val_loss: 1.8810 - val_auc_110: 0.5085
 Epoch 335/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0126 - auc_110:
 0.5096 - val_loss: 1.4130 - val_auc_110: 0.5109
 Epoch 336/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9779 - auc_110:
 0.5076 - val_loss: 2.1905 - val_auc_110: 0.4968
 Epoch 337/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4011 - auc_110:
 0.5087 - val_loss: 1.8059 - val_auc_110: 0.5086
 Epoch 338/700

267/267 [=====] - 1s 3ms/step - loss: 2.3484 - auc_110:
 0.5092 - val_loss: 2.9370 - val_auc_110: 0.5011
 Epoch 339/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0856 - auc_110:
 0.5089 - val_loss: 2.6282 - val_auc_110: 0.5058
 Epoch 340/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0647 - auc_110:
 0.5123 - val_loss: 1.6140 - val_auc_110: 0.5036
 Epoch 341/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0229 - auc_110:
 0.5143 - val_loss: 2.3587 - val_auc_110: 0.5127
 Epoch 342/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3147 - auc_110:
 0.5085 - val_loss: 3.1377 - val_auc_110: 0.4926
 Epoch 343/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5534 - auc_110:
 0.5071 - val_loss: 2.1322 - val_auc_110: 0.4932
 Epoch 344/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0756 - auc_110:
 0.5084 - val_loss: 2.0207 - val_auc_110: 0.4983
 Epoch 345/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4144 - auc_110:
 0.5099 - val_loss: 1.7080 - val_auc_110: 0.4944
 Epoch 346/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9526 - auc_110:
 0.5094 - val_loss: 4.2105 - val_auc_110: 0.5057
 Epoch 347/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6091 - auc_110:
 0.5089 - val_loss: 2.0406 - val_auc_110: 0.5104
 Epoch 348/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3620 - auc_110:
 0.5076 - val_loss: 1.7681 - val_auc_110: 0.5017
 Epoch 349/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5336 - auc_110:
 0.5088 - val_loss: 2.2563 - val_auc_110: 0.5056
 Epoch 350/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4554 - auc_110:
 0.5091 - val_loss: 4.3460 - val_auc_110: 0.5081
 Epoch 351/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4632 - auc_110:
 0.5063 - val_loss: 3.4170 - val_auc_110: 0.5131
 Epoch 352/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2620 - auc_110:
 0.5073 - val_loss: 1.9295 - val_auc_110: 0.4987
 Epoch 353/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3206 - auc_110:
 0.5112 - val_loss: 2.0281 - val_auc_110: 0.5045
 Epoch 354/700

267/267 [=====] - 1s 3ms/step - loss: 2.3860 - auc_110:
 0.5099 - val_loss: 3.5699 - val_auc_110: 0.5081
 Epoch 355/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2496 - auc_110:
 0.5088 - val_loss: 2.0570 - val_auc_110: 0.4922
 Epoch 356/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3493 - auc_110:
 0.5053 - val_loss: 1.3685 - val_auc_110: 0.5037
 Epoch 357/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0939 - auc_110:
 0.5071 - val_loss: 1.5980 - val_auc_110: 0.5043
 Epoch 358/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3506 - auc_110:
 0.5062 - val_loss: 1.8273 - val_auc_110: 0.5032
 Epoch 359/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1655 - auc_110:
 0.5117 - val_loss: 2.8440 - val_auc_110: 0.4997
 Epoch 360/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4890 - auc_110:
 0.5075 - val_loss: 1.6066 - val_auc_110: 0.5057
 Epoch 361/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7854 - auc_110:
 0.5104 - val_loss: 4.5891 - val_auc_110: 0.4973
 Epoch 362/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6450 - auc_110:
 0.5068 - val_loss: 2.3900 - val_auc_110: 0.5066
 Epoch 363/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0741 - auc_110:
 0.5081 - val_loss: 4.0464 - val_auc_110: 0.5066
 Epoch 364/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9959 - auc_110:
 0.5076 - val_loss: 2.0202 - val_auc_110: 0.5086
 Epoch 365/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9788 - auc_110:
 0.5091 - val_loss: 1.5361 - val_auc_110: 0.5039
 Epoch 366/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5730 - auc_110:
 0.5087 - val_loss: 1.7665 - val_auc_110: 0.5140
 Epoch 367/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5501 - auc_110:
 0.5097 - val_loss: 1.6535 - val_auc_110: 0.5086
 Epoch 368/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3705 - auc_110:
 0.5122 - val_loss: 2.0297 - val_auc_110: 0.5129
 Epoch 369/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2633 - auc_110:
 0.5089 - val_loss: 2.2373 - val_auc_110: 0.5133
 Epoch 370/700

267/267 [=====] - 1s 3ms/step - loss: 2.2997 - auc_110:
 0.5078 - val_loss: 2.2766 - val_auc_110: 0.5082
 Epoch 371/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9521 - auc_110:
 0.5090 - val_loss: 2.2671 - val_auc_110: 0.5075
 Epoch 372/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0860 - auc_110:
 0.5096 - val_loss: 1.5955 - val_auc_110: 0.5180
 Epoch 373/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5428 - auc_110:
 0.5134 - val_loss: 1.3121 - val_auc_110: 0.4972
 Epoch 374/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0659 - auc_110:
 0.5098 - val_loss: 2.3409 - val_auc_110: 0.5006
 Epoch 375/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1920 - auc_110:
 0.5069 - val_loss: 2.2220 - val_auc_110: 0.4913
 Epoch 376/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5179 - auc_110:
 0.5070 - val_loss: 4.9572 - val_auc_110: 0.5005
 Epoch 377/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1502 - auc_110:
 0.5080 - val_loss: 2.9398 - val_auc_110: 0.5058
 Epoch 378/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1618 - auc_110:
 0.5087 - val_loss: 2.0093 - val_auc_110: 0.5005
 Epoch 379/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2425 - auc_110:
 0.5080 - val_loss: 1.5666 - val_auc_110: 0.5172
 Epoch 380/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1176 - auc_110:
 0.5139 - val_loss: 2.9200 - val_auc_110: 0.5142
 Epoch 381/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0593 - auc_110:
 0.5099 - val_loss: 1.4060 - val_auc_110: 0.4962
 Epoch 382/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5128 - auc_110:
 0.5093 - val_loss: 2.1842 - val_auc_110: 0.5153
 Epoch 383/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1810 - auc_110:
 0.5087 - val_loss: 1.5318 - val_auc_110: 0.5141
 Epoch 384/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4298 - auc_110:
 0.5070 - val_loss: 1.9467 - val_auc_110: 0.5089
 Epoch 385/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4238 - auc_110:
 0.5082 - val_loss: 1.3226 - val_auc_110: 0.4995
 Epoch 386/700

267/267 [=====] - 1s 3ms/step - loss: 2.4577 - auc_110:
 0.5080 - val_loss: 2.4870 - val_auc_110: 0.5062
 Epoch 387/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1941 - auc_110:
 0.5061 - val_loss: 2.4369 - val_auc_110: 0.4952
 Epoch 388/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2310 - auc_110:
 0.5072 - val_loss: 1.7868 - val_auc_110: 0.5143
 Epoch 389/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3326 - auc_110:
 0.5049 - val_loss: 3.3934 - val_auc_110: 0.5101
 Epoch 390/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3515 - auc_110:
 0.5088 - val_loss: 1.8017 - val_auc_110: 0.5016
 Epoch 391/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1493 - auc_110:
 0.5103 - val_loss: 0.9588 - val_auc_110: 0.5129
 Epoch 392/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3748 - auc_110:
 0.5043 - val_loss: 1.8543 - val_auc_110: 0.5090
 Epoch 393/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3397 - auc_110:
 0.5134 - val_loss: 4.7638 - val_auc_110: 0.5106
 Epoch 394/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4090 - auc_110:
 0.5080 - val_loss: 2.0872 - val_auc_110: 0.5109
 Epoch 395/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9590 - auc_110:
 0.5098 - val_loss: 1.3761 - val_auc_110: 0.5085
 Epoch 396/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3549 - auc_110:
 0.5069 - val_loss: 1.8464 - val_auc_110: 0.5166
 Epoch 397/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4010 - auc_110:
 0.5096 - val_loss: 1.4172 - val_auc_110: 0.4936
 Epoch 398/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3125 - auc_110:
 0.5091 - val_loss: 3.3020 - val_auc_110: 0.4953
 Epoch 399/700
 267/267 [=====] - 1s 4ms/step - loss: 2.3550 - auc_110:
 0.5082 - val_loss: 1.5207 - val_auc_110: 0.4933
 Epoch 400/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9802 - auc_110:
 0.5092 - val_loss: 2.1871 - val_auc_110: 0.5109
 Epoch 401/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5769 - auc_110:
 0.5062 - val_loss: 1.5478 - val_auc_110: 0.5058
 Epoch 402/700

267/267 [=====] - 1s 3ms/step - loss: 1.9443 - auc_110:
 0.5108 - val_loss: 2.4459 - val_auc_110: 0.5115
 Epoch 403/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2992 - auc_110:
 0.5122 - val_loss: 2.4071 - val_auc_110: 0.5121
 Epoch 404/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4647 - auc_110:
 0.5112 - val_loss: 2.3618 - val_auc_110: 0.5107
 Epoch 405/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2609 - auc_110:
 0.5084 - val_loss: 2.0586 - val_auc_110: 0.4958
 Epoch 406/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0165 - auc_110:
 0.5112 - val_loss: 1.7839 - val_auc_110: 0.5124
 Epoch 407/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4545 - auc_110:
 0.5081 - val_loss: 2.0887 - val_auc_110: 0.4976
 Epoch 408/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3099 - auc_110:
 0.5086 - val_loss: 2.2824 - val_auc_110: 0.5047
 Epoch 409/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4112 - auc_110:
 0.5086 - val_loss: 4.7788 - val_auc_110: 0.5060
 Epoch 410/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8940 - auc_110:
 0.5130 - val_loss: 1.7731 - val_auc_110: 0.5027
 Epoch 411/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9532 - auc_110:
 0.5100 - val_loss: 2.0134 - val_auc_110: 0.5135
 Epoch 412/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2672 - auc_110:
 0.5084 - val_loss: 1.7105 - val_auc_110: 0.4914
 Epoch 413/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5025 - auc_110:
 0.5079 - val_loss: 1.6889 - val_auc_110: 0.4942
 Epoch 414/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7264 - auc_110:
 0.5074 - val_loss: 2.2583 - val_auc_110: 0.5040
 Epoch 415/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0846 - auc_110:
 0.5063 - val_loss: 1.1519 - val_auc_110: 0.5030
 Epoch 416/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0905 - auc_110:
 0.5071 - val_loss: 1.7813 - val_auc_110: 0.5152
 Epoch 417/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2123 - auc_110:
 0.5062 - val_loss: 1.5714 - val_auc_110: 0.4987
 Epoch 418/700

267/267 [=====] - 1s 3ms/step - loss: 2.4527 - auc_110:
 0.5078 - val_loss: 1.5189 - val_auc_110: 0.4986
 Epoch 419/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0185 - auc_110:
 0.5101 - val_loss: 2.0436 - val_auc_110: 0.5130
 Epoch 420/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9449 - auc_110:
 0.5117 - val_loss: 1.6264 - val_auc_110: 0.5169
 Epoch 421/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4353 - auc_110:
 0.5093 - val_loss: 3.3829 - val_auc_110: 0.5020
 Epoch 422/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0669 - auc_110:
 0.5089 - val_loss: 2.0527 - val_auc_110: 0.5114
 Epoch 423/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5822 - auc_110:
 0.5101 - val_loss: 3.3061 - val_auc_110: 0.5112
 Epoch 424/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6157 - auc_110:
 0.5071 - val_loss: 1.3074 - val_auc_110: 0.5134
 Epoch 425/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3420 - auc_110:
 0.5067 - val_loss: 2.3753 - val_auc_110: 0.4976
 Epoch 426/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6184 - auc_110:
 0.5083 - val_loss: 1.9566 - val_auc_110: 0.5084
 Epoch 427/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1557 - auc_110:
 0.5088 - val_loss: 1.8389 - val_auc_110: 0.4955
 Epoch 428/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2865 - auc_110:
 0.5049 - val_loss: 2.1540 - val_auc_110: 0.5033
 Epoch 429/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1825 - auc_110:
 0.5131 - val_loss: 1.3736 - val_auc_110: 0.5069
 Epoch 430/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1348 - auc_110:
 0.5052 - val_loss: 2.8087 - val_auc_110: 0.4949
 Epoch 431/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4827 - auc_110:
 0.5074 - val_loss: 4.2420 - val_auc_110: 0.4961
 Epoch 432/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3897 - auc_110:
 0.5053 - val_loss: 2.1153 - val_auc_110: 0.5084
 Epoch 433/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3434 - auc_110:
 0.5078 - val_loss: 4.7713 - val_auc_110: 0.5098
 Epoch 434/700

267/267 [=====] - 1s 3ms/step - loss: 2.8219 - auc_110:
 0.5093 - val_loss: 2.0320 - val_auc_110: 0.5073
 Epoch 435/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2682 - auc_110:
 0.5090 - val_loss: 1.8157 - val_auc_110: 0.5106
 Epoch 436/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2784 - auc_110:
 0.5080 - val_loss: 4.5465 - val_auc_110: 0.5019
 Epoch 437/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1760 - auc_110:
 0.5075 - val_loss: 2.6944 - val_auc_110: 0.4928
 Epoch 438/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2012 - auc_110:
 0.5098 - val_loss: 1.7801 - val_auc_110: 0.5015
 Epoch 439/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0550 - auc_110:
 0.5095 - val_loss: 2.1604 - val_auc_110: 0.5197
 Epoch 440/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4291 - auc_110:
 0.5080 - val_loss: 3.6842 - val_auc_110: 0.4964
 Epoch 441/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5666 - auc_110:
 0.5077 - val_loss: 3.2803 - val_auc_110: 0.5077
 Epoch 442/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2291 - auc_110:
 0.5055 - val_loss: 2.2542 - val_auc_110: 0.5071
 Epoch 443/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2378 - auc_110:
 0.5104 - val_loss: 1.8304 - val_auc_110: 0.5121
 Epoch 444/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2092 - auc_110:
 0.5100 - val_loss: 2.4296 - val_auc_110: 0.5120
 Epoch 445/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3598 - auc_110:
 0.5075 - val_loss: 1.3167 - val_auc_110: 0.5060
 Epoch 446/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2812 - auc_110:
 0.5083 - val_loss: 3.7537 - val_auc_110: 0.5065
 Epoch 447/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5166 - auc_110:
 0.5113 - val_loss: 2.2928 - val_auc_110: 0.5054
 Epoch 448/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1969 - auc_110:
 0.5073 - val_loss: 2.1252 - val_auc_110: 0.5135
 Epoch 449/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0695 - auc_110:
 0.5085 - val_loss: 1.5534 - val_auc_110: 0.5053
 Epoch 450/700

267/267 [=====] - 1s 3ms/step - loss: 2.5347 - auc_110:
 0.5084 - val_loss: 5.2579 - val_auc_110: 0.5147
 Epoch 451/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2657 - auc_110:
 0.5082 - val_loss: 1.7169 - val_auc_110: 0.5073
 Epoch 452/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4259 - auc_110:
 0.5050 - val_loss: 4.8134 - val_auc_110: 0.4974
 Epoch 453/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4896 - auc_110:
 0.5115 - val_loss: 1.9439 - val_auc_110: 0.5073
 Epoch 454/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5470 - auc_110:
 0.5067 - val_loss: 1.1854 - val_auc_110: 0.5127
 Epoch 455/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1256 - auc_110:
 0.5153 - val_loss: 1.4845 - val_auc_110: 0.5092
 Epoch 456/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2991 - auc_110:
 0.5077 - val_loss: 2.3401 - val_auc_110: 0.5070
 Epoch 457/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5957 - auc_110:
 0.5067 - val_loss: 1.6655 - val_auc_110: 0.5165
 Epoch 458/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2806 - auc_110:
 0.5070 - val_loss: 1.7504 - val_auc_110: 0.5108
 Epoch 459/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9954 - auc_110:
 0.5071 - val_loss: 1.6846 - val_auc_110: 0.5049
 Epoch 460/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4898 - auc_110:
 0.5145 - val_loss: 3.7804 - val_auc_110: 0.5011
 Epoch 461/700
 267/267 [=====] - 1s 4ms/step - loss: 2.6381 - auc_110:
 0.5078 - val_loss: 3.6139 - val_auc_110: 0.5090
 Epoch 462/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0238 - auc_110:
 0.5098 - val_loss: 0.9406 - val_auc_110: 0.5025
 Epoch 463/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0269 - auc_110:
 0.5088 - val_loss: 3.4963 - val_auc_110: 0.5038
 Epoch 464/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5265 - auc_110:
 0.5073 - val_loss: 2.4234 - val_auc_110: 0.5054
 Epoch 465/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1565 - auc_110:
 0.5109 - val_loss: 4.1464 - val_auc_110: 0.5134
 Epoch 466/700

267/267 [=====] - 1s 3ms/step - loss: 2.8869 - auc_110:
 0.5051 - val_loss: 3.0367 - val_auc_110: 0.5070
 Epoch 467/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3957 - auc_110:
 0.5070 - val_loss: 1.3890 - val_auc_110: 0.5046
 Epoch 468/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1007 - auc_110:
 0.5073 - val_loss: 1.3185 - val_auc_110: 0.5000
 Epoch 469/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0650 - auc_110:
 0.5090 - val_loss: 1.7806 - val_auc_110: 0.5021
 Epoch 470/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3535 - auc_110:
 0.5080 - val_loss: 1.2234 - val_auc_110: 0.5117
 Epoch 471/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8186 - auc_110:
 0.5101 - val_loss: 1.3906 - val_auc_110: 0.5010
 Epoch 472/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4510 - auc_110:
 0.5091 - val_loss: 1.3430 - val_auc_110: 0.5066
 Epoch 473/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0270 - auc_110:
 0.5094 - val_loss: 2.5931 - val_auc_110: 0.4914
 Epoch 474/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3388 - auc_110:
 0.5054 - val_loss: 2.4516 - val_auc_110: 0.5108
 Epoch 475/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3933 - auc_110:
 0.5065 - val_loss: 1.5152 - val_auc_110: 0.5031
 Epoch 476/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7519 - auc_110:
 0.5098 - val_loss: 3.4506 - val_auc_110: 0.5164
 Epoch 477/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3840 - auc_110:
 0.5087 - val_loss: 2.5490 - val_auc_110: 0.4992
 Epoch 478/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2206 - auc_110:
 0.5068 - val_loss: 2.9894 - val_auc_110: 0.4971
 Epoch 479/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1711 - auc_110:
 0.5096 - val_loss: 3.6285 - val_auc_110: 0.5051
 Epoch 480/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4219 - auc_110:
 0.5074 - val_loss: 1.3944 - val_auc_110: 0.5103
 Epoch 481/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1463 - auc_110:
 0.5116 - val_loss: 2.5696 - val_auc_110: 0.5078
 Epoch 482/700

267/267 [=====] - 1s 4ms/step - loss: 2.0606 - auc_110:
 0.5081 - val_loss: 2.0428 - val_auc_110: 0.5067
 Epoch 483/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4084 - auc_110:
 0.5100 - val_loss: 2.1407 - val_auc_110: 0.4976
 Epoch 484/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9966 - auc_110:
 0.5048 - val_loss: 1.6167 - val_auc_110: 0.5018
 Epoch 485/700
 267/267 [=====] - 1s 3ms/step - loss: 3.2459 - auc_110:
 0.5097 - val_loss: 3.7295 - val_auc_110: 0.4965
 Epoch 486/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4108 - auc_110:
 0.5060 - val_loss: 2.0576 - val_auc_110: 0.5128
 Epoch 487/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3676 - auc_110:
 0.5080 - val_loss: 1.8462 - val_auc_110: 0.5130
 Epoch 488/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2621 - auc_110:
 0.5060 - val_loss: 1.7765 - val_auc_110: 0.5215
 Epoch 489/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3799 - auc_110:
 0.5103 - val_loss: 4.0133 - val_auc_110: 0.5034
 Epoch 490/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0777 - auc_110:
 0.5091 - val_loss: 1.8868 - val_auc_110: 0.5178
 Epoch 491/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4380 - auc_110:
 0.5066 - val_loss: 2.6635 - val_auc_110: 0.5080
 Epoch 492/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6708 - auc_110:
 0.5098 - val_loss: 4.8345 - val_auc_110: 0.5025
 Epoch 493/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4653 - auc_110:
 0.5084 - val_loss: 1.8674 - val_auc_110: 0.5116
 Epoch 494/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0148 - auc_110:
 0.5091 - val_loss: 4.4082 - val_auc_110: 0.4990
 Epoch 495/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4650 - auc_110:
 0.5081 - val_loss: 2.8744 - val_auc_110: 0.5175
 Epoch 496/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3298 - auc_110:
 0.5077 - val_loss: 2.8801 - val_auc_110: 0.5115
 Epoch 497/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4429 - auc_110:
 0.5085 - val_loss: 2.3823 - val_auc_110: 0.5106
 Epoch 498/700

267/267 [=====] - 1s 3ms/step - loss: 2.2588 - auc_110:
 0.5093 - val_loss: 1.6267 - val_auc_110: 0.5057
 Epoch 499/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2185 - auc_110:
 0.5092 - val_loss: 2.8200 - val_auc_110: 0.5066
 Epoch 500/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4306 - auc_110:
 0.5078 - val_loss: 1.9863 - val_auc_110: 0.5044
 Epoch 501/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1796 - auc_110:
 0.5068 - val_loss: 1.3168 - val_auc_110: 0.5153
 Epoch 502/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0291 - auc_110:
 0.5089 - val_loss: 2.5705 - val_auc_110: 0.5101
 Epoch 503/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1184 - auc_110:
 0.5073 - val_loss: 2.7704 - val_auc_110: 0.5033
 Epoch 504/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3287 - auc_110:
 0.5099 - val_loss: 2.9296 - val_auc_110: 0.5170
 Epoch 505/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2620 - auc_110:
 0.5097 - val_loss: 1.9380 - val_auc_110: 0.5118
 Epoch 506/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8132 - auc_110:
 0.5058 - val_loss: 4.8352 - val_auc_110: 0.5004
 Epoch 507/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3323 - auc_110:
 0.5077 - val_loss: 1.3463 - val_auc_110: 0.4947
 Epoch 508/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3267 - auc_110:
 0.5081 - val_loss: 3.8654 - val_auc_110: 0.5010
 Epoch 509/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7675 - auc_110:
 0.5058 - val_loss: 1.6868 - val_auc_110: 0.5043
 Epoch 510/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3803 - auc_110:
 0.5093 - val_loss: 1.8132 - val_auc_110: 0.5080
 Epoch 511/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1206 - auc_110:
 0.5112 - val_loss: 3.0013 - val_auc_110: 0.4967
 Epoch 512/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4141 - auc_110:
 0.5078 - val_loss: 1.9793 - val_auc_110: 0.5195
 Epoch 513/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4156 - auc_110:
 0.5065 - val_loss: 2.2750 - val_auc_110: 0.5129
 Epoch 514/700

267/267 [=====] - 1s 3ms/step - loss: 2.4742 - auc_110:
0.5095 - val_loss: 2.4885 - val_auc_110: 0.5137
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 3.0808 - auc_110:
0.5057 - val_loss: 2.5885 - val_auc_110: 0.5086
Epoch 516/700
267/267 [=====] - 1s 3ms/step - loss: 2.4512 - auc_110:
0.5077 - val_loss: 3.9735 - val_auc_110: 0.5072
Epoch 517/700
267/267 [=====] - 1s 3ms/step - loss: 2.4316 - auc_110:
0.5106 - val_loss: 4.6982 - val_auc_110: 0.5084
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 2.3924 - auc_110:
0.5093 - val_loss: 1.1462 - val_auc_110: 0.5065
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 2.3031 - auc_110:
0.5092 - val_loss: 2.0589 - val_auc_110: 0.4952
Epoch 520/700
267/267 [=====] - 1s 3ms/step - loss: 2.3713 - auc_110:
0.5079 - val_loss: 2.1681 - val_auc_110: 0.5030
Epoch 521/700
267/267 [=====] - 1s 3ms/step - loss: 2.4257 - auc_110:
0.5083 - val_loss: 3.2261 - val_auc_110: 0.5032
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 2.3389 - auc_110:
0.5091 - val_loss: 3.1660 - val_auc_110: 0.5098
Epoch 523/700
267/267 [=====] - 1s 3ms/step - loss: 2.2387 - auc_110:
0.5078 - val_loss: 1.2381 - val_auc_110: 0.5138
Epoch 524/700
267/267 [=====] - 1s 3ms/step - loss: 2.1035 - auc_110:
0.5085 - val_loss: 2.5361 - val_auc_110: 0.5186
Epoch 525/700
267/267 [=====] - 1s 3ms/step - loss: 2.4593 - auc_110:
0.5088 - val_loss: 2.4367 - val_auc_110: 0.5013
Epoch 526/700
267/267 [=====] - 1s 3ms/step - loss: 2.3796 - auc_110:
0.5075 - val_loss: 1.4155 - val_auc_110: 0.5090
Epoch 527/700
267/267 [=====] - 1s 3ms/step - loss: 2.6234 - auc_110:
0.5071 - val_loss: 4.6217 - val_auc_110: 0.4971
Epoch 528/700
267/267 [=====] - 1s 3ms/step - loss: 2.2849 - auc_110:
0.5099 - val_loss: 2.6679 - val_auc_110: 0.5112
Epoch 529/700
267/267 [=====] - 1s 3ms/step - loss: 2.3083 - auc_110:
0.5081 - val_loss: 1.6848 - val_auc_110: 0.5083
Epoch 530/700

267/267 [=====] - 1s 3ms/step - loss: 2.3157 - auc_110:
 0.5071 - val_loss: 4.4830 - val_auc_110: 0.5130
 Epoch 531/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4331 - auc_110:
 0.5069 - val_loss: 3.1685 - val_auc_110: 0.5091
 Epoch 532/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2719 - auc_110:
 0.5083 - val_loss: 2.2528 - val_auc_110: 0.5032
 Epoch 533/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4003 - auc_110:
 0.5071 - val_loss: 2.0226 - val_auc_110: 0.5035
 Epoch 534/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9237 - auc_110:
 0.5072 - val_loss: 2.9306 - val_auc_110: 0.4936
 Epoch 535/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4285 - auc_110:
 0.5057 - val_loss: 2.5049 - val_auc_110: 0.4914
 Epoch 536/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2189 - auc_110:
 0.5101 - val_loss: 1.1694 - val_auc_110: 0.5069
 Epoch 537/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0129 - auc_110:
 0.5113 - val_loss: 1.5840 - val_auc_110: 0.5086
 Epoch 538/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2212 - auc_110:
 0.5065 - val_loss: 2.0639 - val_auc_110: 0.5058
 Epoch 539/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4309 - auc_110:
 0.5116 - val_loss: 2.4661 - val_auc_110: 0.5107
 Epoch 540/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8386 - auc_110:
 0.5061 - val_loss: 2.0102 - val_auc_110: 0.5028
 Epoch 541/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2488 - auc_110:
 0.5054 - val_loss: 3.4911 - val_auc_110: 0.5008
 Epoch 542/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6746 - auc_110:
 0.5104 - val_loss: 2.8998 - val_auc_110: 0.4998
 Epoch 543/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8651 - auc_110:
 0.5083 - val_loss: 2.6322 - val_auc_110: 0.5100
 Epoch 544/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5245 - auc_110:
 0.5094 - val_loss: 2.7552 - val_auc_110: 0.5047
 Epoch 545/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5915 - auc_110:
 0.5082 - val_loss: 2.4907 - val_auc_110: 0.4979
 Epoch 546/700

267/267 [=====] - 1s 3ms/step - loss: 2.3246 - auc_110:
 0.5069 - val_loss: 1.7696 - val_auc_110: 0.5032
 Epoch 547/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1093 - auc_110:
 0.5071 - val_loss: 2.9139 - val_auc_110: 0.5076
 Epoch 548/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2262 - auc_110:
 0.5107 - val_loss: 1.7947 - val_auc_110: 0.5004
 Epoch 549/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5376 - auc_110:
 0.5082 - val_loss: 1.7542 - val_auc_110: 0.5081
 Epoch 550/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4449 - auc_110:
 0.5110 - val_loss: 2.0145 - val_auc_110: 0.5085
 Epoch 551/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5274 - auc_110:
 0.5062 - val_loss: 1.5336 - val_auc_110: 0.5144
 Epoch 552/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5269 - auc_110:
 0.5108 - val_loss: 1.3673 - val_auc_110: 0.5019
 Epoch 553/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4017 - auc_110:
 0.5092 - val_loss: 1.4732 - val_auc_110: 0.4987
 Epoch 554/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4317 - auc_110:
 0.5101 - val_loss: 2.0283 - val_auc_110: 0.5113
 Epoch 555/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4647 - auc_110:
 0.5017 - val_loss: 3.2392 - val_auc_110: 0.5050
 Epoch 556/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5248 - auc_110:
 0.5074 - val_loss: 3.7097 - val_auc_110: 0.5144
 Epoch 557/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8794 - auc_110:
 0.5049 - val_loss: 1.6925 - val_auc_110: 0.5193
 Epoch 558/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8176 - auc_110:
 0.5081 - val_loss: 1.4280 - val_auc_110: 0.5062
 Epoch 559/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2062 - auc_110:
 0.5072 - val_loss: 1.5271 - val_auc_110: 0.5118
 Epoch 560/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3000 - auc_110:
 0.5076 - val_loss: 1.3386 - val_auc_110: 0.5071
 Epoch 561/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3441 - auc_110:
 0.5086 - val_loss: 1.6827 - val_auc_110: 0.5109
 Epoch 562/700

267/267 [=====] - 1s 3ms/step - loss: 2.2795 - auc_110:
 0.5084 - val_loss: 1.4720 - val_auc_110: 0.5017
 Epoch 563/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5996 - auc_110:
 0.5082 - val_loss: 1.2623 - val_auc_110: 0.5014
 Epoch 564/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2660 - auc_110:
 0.5055 - val_loss: 1.9274 - val_auc_110: 0.5149
 Epoch 565/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3298 - auc_110:
 0.5087 - val_loss: 2.6476 - val_auc_110: 0.5073
 Epoch 566/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0449 - auc_110:
 0.5100 - val_loss: 2.5940 - val_auc_110: 0.4954
 Epoch 567/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3812 - auc_110:
 0.5138 - val_loss: 2.0930 - val_auc_110: 0.5108
 Epoch 568/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1521 - auc_110:
 0.5090 - val_loss: 2.1702 - val_auc_110: 0.5088
 Epoch 569/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0779 - auc_110:
 0.5107 - val_loss: 1.5910 - val_auc_110: 0.5024
 Epoch 570/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3541 - auc_110:
 0.5093 - val_loss: 2.2628 - val_auc_110: 0.4964
 Epoch 571/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5855 - auc_110:
 0.5093 - val_loss: 2.6035 - val_auc_110: 0.5116
 Epoch 572/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6690 - auc_110:
 0.5083 - val_loss: 2.3226 - val_auc_110: 0.5095
 Epoch 573/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4984 - auc_110:
 0.5090 - val_loss: 4.0906 - val_auc_110: 0.5127
 Epoch 574/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3660 - auc_110:
 0.5095 - val_loss: 2.4127 - val_auc_110: 0.5044
 Epoch 575/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7017 - auc_110:
 0.5074 - val_loss: 2.0586 - val_auc_110: 0.5119
 Epoch 576/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4138 - auc_110:
 0.5079 - val_loss: 2.8379 - val_auc_110: 0.4977
 Epoch 577/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1166 - auc_110:
 0.5071 - val_loss: 3.7784 - val_auc_110: 0.5095
 Epoch 578/700

267/267 [=====] - 1s 3ms/step - loss: 2.2480 - auc_110:
 0.5095 - val_loss: 1.5609 - val_auc_110: 0.5031
 Epoch 579/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6987 - auc_110:
 0.5073 - val_loss: 2.2845 - val_auc_110: 0.5040
 Epoch 580/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6243 - auc_110:
 0.5081 - val_loss: 2.4850 - val_auc_110: 0.5092
 Epoch 581/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0713 - auc_110:
 0.5147 - val_loss: 1.6546 - val_auc_110: 0.5077
 Epoch 582/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1270 - auc_110:
 0.5086 - val_loss: 2.1931 - val_auc_110: 0.5113
 Epoch 583/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4096 - auc_110:
 0.5072 - val_loss: 3.6237 - val_auc_110: 0.5042
 Epoch 584/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9423 - auc_110:
 0.5055 - val_loss: 1.3992 - val_auc_110: 0.5060
 Epoch 585/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1266 - auc_110:
 0.5085 - val_loss: 3.5889 - val_auc_110: 0.5122
 Epoch 586/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2734 - auc_110:
 0.5088 - val_loss: 1.4021 - val_auc_110: 0.5099
 Epoch 587/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6928 - auc_110:
 0.5068 - val_loss: 8.4442 - val_auc_110: 0.5133
 Epoch 588/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4178 - auc_110:
 0.5055 - val_loss: 2.2173 - val_auc_110: 0.5140
 Epoch 589/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3779 - auc_110:
 0.5074 - val_loss: 3.6905 - val_auc_110: 0.4987
 Epoch 590/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9004 - auc_110:
 0.5070 - val_loss: 2.7846 - val_auc_110: 0.5144
 Epoch 591/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2185 - auc_110:
 0.5064 - val_loss: 2.6776 - val_auc_110: 0.5053
 Epoch 592/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4120 - auc_110:
 0.5109 - val_loss: 2.7543 - val_auc_110: 0.5119
 Epoch 593/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5390 - auc_110:
 0.5117 - val_loss: 2.4307 - val_auc_110: 0.5032
 Epoch 594/700

267/267 [=====] - 1s 3ms/step - loss: 2.1253 - auc_110:
 0.5112 - val_loss: 3.4358 - val_auc_110: 0.5148
 Epoch 595/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1038 - auc_110:
 0.5120 - val_loss: 2.5366 - val_auc_110: 0.5136
 Epoch 596/700
 267/267 [=====] - 1s 3ms/step - loss: 3.0025 - auc_110:
 0.5116 - val_loss: 2.1517 - val_auc_110: 0.5125
 Epoch 597/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4889 - auc_110:
 0.5071 - val_loss: 1.6353 - val_auc_110: 0.5177
 Epoch 598/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3563 - auc_110:
 0.5064 - val_loss: 1.2332 - val_auc_110: 0.5091
 Epoch 599/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0764 - auc_110:
 0.5068 - val_loss: 2.6614 - val_auc_110: 0.5136
 Epoch 600/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9464 - auc_110:
 0.5078 - val_loss: 2.9347 - val_auc_110: 0.5163
 Epoch 601/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2322 - auc_110:
 0.5082 - val_loss: 1.1771 - val_auc_110: 0.5155
 Epoch 602/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1819 - auc_110:
 0.5109 - val_loss: 2.3735 - val_auc_110: 0.5145
 Epoch 603/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1690 - auc_110:
 0.5105 - val_loss: 1.4021 - val_auc_110: 0.4999
 Epoch 604/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3622 - auc_110:
 0.5109 - val_loss: 1.5660 - val_auc_110: 0.5064
 Epoch 605/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4091 - auc_110:
 0.5096 - val_loss: 1.2663 - val_auc_110: 0.4960
 Epoch 606/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3534 - auc_110:
 0.5116 - val_loss: 2.1994 - val_auc_110: 0.5097
 Epoch 607/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6268 - auc_110:
 0.5081 - val_loss: 2.6471 - val_auc_110: 0.5112
 Epoch 608/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3575 - auc_110:
 0.5106 - val_loss: 4.3494 - val_auc_110: 0.5120
 Epoch 609/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9031 - auc_110:
 0.5081 - val_loss: 1.2358 - val_auc_110: 0.5097
 Epoch 610/700

267/267 [=====] - 1s 3ms/step - loss: 2.3415 - auc_110:
 0.5091 - val_loss: 4.9352 - val_auc_110: 0.5097
 Epoch 611/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2904 - auc_110:
 0.5087 - val_loss: 2.6292 - val_auc_110: 0.5073
 Epoch 612/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6831 - auc_110:
 0.5095 - val_loss: 2.4934 - val_auc_110: 0.4989
 Epoch 613/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4143 - auc_110:
 0.5090 - val_loss: 2.6154 - val_auc_110: 0.5048
 Epoch 614/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6258 - auc_110:
 0.5090 - val_loss: 3.0510 - val_auc_110: 0.5098
 Epoch 615/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2416 - auc_110:
 0.5089 - val_loss: 2.2315 - val_auc_110: 0.5188
 Epoch 616/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1238 - auc_110:
 0.5125 - val_loss: 1.3965 - val_auc_110: 0.5027
 Epoch 617/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0352 - auc_110:
 0.5108 - val_loss: 1.2787 - val_auc_110: 0.5068
 Epoch 618/700
 267/267 [=====] - 1s 3ms/step - loss: 1.9208 - auc_110:
 0.5115 - val_loss: 4.0268 - val_auc_110: 0.5150
 Epoch 619/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2320 - auc_110:
 0.5085 - val_loss: 1.2464 - val_auc_110: 0.5056
 Epoch 620/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5986 - auc_110:
 0.5068 - val_loss: 2.3608 - val_auc_110: 0.5109
 Epoch 621/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1754 - auc_110:
 0.5087 - val_loss: 4.2742 - val_auc_110: 0.5133
 Epoch 622/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2421 - auc_110:
 0.5070 - val_loss: 3.1067 - val_auc_110: 0.5080
 Epoch 623/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5552 - auc_110:
 0.5093 - val_loss: 3.6538 - val_auc_110: 0.5093
 Epoch 624/700
 267/267 [=====] - 1s 3ms/step - loss: 2.8235 - auc_110:
 0.5071 - val_loss: 4.0941 - val_auc_110: 0.4994
 Epoch 625/700
 267/267 [=====] - 1s 3ms/step - loss: 2.7902 - auc_110:
 0.5095 - val_loss: 1.4488 - val_auc_110: 0.5097
 Epoch 626/700

267/267 [=====] - 1s 3ms/step - loss: 2.5181 - auc_110:
 0.5098 - val_loss: 3.0183 - val_auc_110: 0.4970
 Epoch 627/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4180 - auc_110:
 0.5100 - val_loss: 1.6767 - val_auc_110: 0.5098
 Epoch 628/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2570 - auc_110:
 0.5068 - val_loss: 1.6986 - val_auc_110: 0.5071
 Epoch 629/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1227 - auc_110:
 0.5081 - val_loss: 4.0127 - val_auc_110: 0.5074
 Epoch 630/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2628 - auc_110:
 0.5083 - val_loss: 6.0851 - val_auc_110: 0.5129
 Epoch 631/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0611 - auc_110:
 0.5105 - val_loss: 1.2405 - val_auc_110: 0.5082
 Epoch 632/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1910 - auc_110:
 0.5075 - val_loss: 1.6666 - val_auc_110: 0.5055
 Epoch 633/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3121 - auc_110:
 0.5058 - val_loss: 2.0774 - val_auc_110: 0.5051
 Epoch 634/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3440 - auc_110:
 0.5109 - val_loss: 2.5015 - val_auc_110: 0.5134
 Epoch 635/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4318 - auc_110:
 0.5107 - val_loss: 1.9809 - val_auc_110: 0.5070
 Epoch 636/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4748 - auc_110:
 0.5106 - val_loss: 1.3265 - val_auc_110: 0.5112
 Epoch 637/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4409 - auc_110:
 0.5068 - val_loss: 2.9254 - val_auc_110: 0.5174
 Epoch 638/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2717 - auc_110:
 0.5054 - val_loss: 1.7824 - val_auc_110: 0.5101
 Epoch 639/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4144 - auc_110:
 0.5101 - val_loss: 4.8818 - val_auc_110: 0.5099
 Epoch 640/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4802 - auc_110:
 0.5037 - val_loss: 1.1294 - val_auc_110: 0.5135
 Epoch 641/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1837 - auc_110:
 0.5119 - val_loss: 2.5620 - val_auc_110: 0.5023
 Epoch 642/700

267/267 [=====] - 1s 3ms/step - loss: 2.5864 - auc_110:
0.5058 - val_loss: 3.3634 - val_auc_110: 0.5110
Epoch 643/700
267/267 [=====] - 1s 3ms/step - loss: 2.2837 - auc_110:
0.5078 - val_loss: 1.7471 - val_auc_110: 0.4912
Epoch 644/700
267/267 [=====] - 1s 3ms/step - loss: 2.2760 - auc_110:
0.5098 - val_loss: 2.2531 - val_auc_110: 0.4988
Epoch 645/700
267/267 [=====] - 1s 3ms/step - loss: 2.2978 - auc_110:
0.5066 - val_loss: 2.6237 - val_auc_110: 0.5011
Epoch 646/700
267/267 [=====] - 1s 3ms/step - loss: 2.3659 - auc_110:
0.5091 - val_loss: 1.3911 - val_auc_110: 0.5058
Epoch 647/700
267/267 [=====] - 1s 3ms/step - loss: 2.5274 - auc_110:
0.5065 - val_loss: 2.4658 - val_auc_110: 0.5170
Epoch 648/700
267/267 [=====] - 1s 3ms/step - loss: 2.5204 - auc_110:
0.5126 - val_loss: 1.8843 - val_auc_110: 0.5032
Epoch 649/700
267/267 [=====] - 1s 3ms/step - loss: 2.7168 - auc_110:
0.5085 - val_loss: 3.0053 - val_auc_110: 0.5091
Epoch 650/700
267/267 [=====] - 1s 3ms/step - loss: 2.1757 - auc_110:
0.5051 - val_loss: 1.5205 - val_auc_110: 0.5072
Epoch 651/700
267/267 [=====] - 1s 3ms/step - loss: 2.1512 - auc_110:
0.5102 - val_loss: 1.1651 - val_auc_110: 0.5059
Epoch 652/700
267/267 [=====] - 1s 3ms/step - loss: 2.1997 - auc_110:
0.5088 - val_loss: 1.8148 - val_auc_110: 0.5053
Epoch 653/700
267/267 [=====] - 1s 3ms/step - loss: 1.9803 - auc_110:
0.5082 - val_loss: 1.9108 - val_auc_110: 0.5040
Epoch 654/700
267/267 [=====] - 1s 3ms/step - loss: 2.6123 - auc_110:
0.5073 - val_loss: 2.6593 - val_auc_110: 0.4995
Epoch 655/700
267/267 [=====] - 1s 3ms/step - loss: 2.1410 - auc_110:
0.5091 - val_loss: 1.9054 - val_auc_110: 0.5105
Epoch 656/700
267/267 [=====] - 1s 3ms/step - loss: 2.2439 - auc_110:
0.5103 - val_loss: 4.0974 - val_auc_110: 0.4993
Epoch 657/700
267/267 [=====] - 1s 3ms/step - loss: 2.3535 - auc_110:
0.5073 - val_loss: 3.5303 - val_auc_110: 0.5139
Epoch 658/700

267/267 [=====] - 1s 3ms/step - loss: 2.1546 - auc_110:
 0.5066 - val_loss: 1.7210 - val_auc_110: 0.5113
 Epoch 659/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4102 - auc_110:
 0.5105 - val_loss: 1.8247 - val_auc_110: 0.5111
 Epoch 660/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4409 - auc_110:
 0.5095 - val_loss: 2.2904 - val_auc_110: 0.4976
 Epoch 661/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3881 - auc_110:
 0.5071 - val_loss: 2.5649 - val_auc_110: 0.5143
 Epoch 662/700
 267/267 [=====] - 1s 3ms/step - loss: 2.6937 - auc_110:
 0.5089 - val_loss: 1.8671 - val_auc_110: 0.5151
 Epoch 663/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3523 - auc_110:
 0.5150 - val_loss: 4.1155 - val_auc_110: 0.4947
 Epoch 664/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3343 - auc_110:
 0.5065 - val_loss: 3.7321 - val_auc_110: 0.5117
 Epoch 665/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2008 - auc_110:
 0.5119 - val_loss: 1.6666 - val_auc_110: 0.5076
 Epoch 666/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2893 - auc_110:
 0.5087 - val_loss: 1.4840 - val_auc_110: 0.5066
 Epoch 667/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1303 - auc_110:
 0.5097 - val_loss: 2.0195 - val_auc_110: 0.5095
 Epoch 668/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1769 - auc_110:
 0.5119 - val_loss: 1.5678 - val_auc_110: 0.4973
 Epoch 669/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1904 - auc_110:
 0.5045 - val_loss: 2.3656 - val_auc_110: 0.5012
 Epoch 670/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0054 - auc_110:
 0.5081 - val_loss: 1.9962 - val_auc_110: 0.5070
 Epoch 671/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0969 - auc_110:
 0.5090 - val_loss: 1.7754 - val_auc_110: 0.5134
 Epoch 672/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5783 - auc_110:
 0.5051 - val_loss: 1.8465 - val_auc_110: 0.5028
 Epoch 673/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3097 - auc_110:
 0.5059 - val_loss: 2.1962 - val_auc_110: 0.5081
 Epoch 674/700

267/267 [=====] - 1s 3ms/step - loss: 2.3795 - auc_110:
 0.5081 - val_loss: 1.8290 - val_auc_110: 0.5043
 Epoch 675/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1333 - auc_110:
 0.5111 - val_loss: 2.0607 - val_auc_110: 0.5117
 Epoch 676/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3092 - auc_110:
 0.5086 - val_loss: 4.4159 - val_auc_110: 0.5020
 Epoch 677/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0369 - auc_110:
 0.5084 - val_loss: 3.1389 - val_auc_110: 0.5125
 Epoch 678/700
 267/267 [=====] - 1s 3ms/step - loss: 2.9078 - auc_110:
 0.5099 - val_loss: 3.1555 - val_auc_110: 0.5143
 Epoch 679/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3353 - auc_110:
 0.5077 - val_loss: 3.4215 - val_auc_110: 0.5117
 Epoch 680/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1104 - auc_110:
 0.5070 - val_loss: 2.9010 - val_auc_110: 0.4993
 Epoch 681/700
 267/267 [=====] - 1s 3ms/step - loss: 2.4623 - auc_110:
 0.5052 - val_loss: 2.2209 - val_auc_110: 0.5085
 Epoch 682/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0406 - auc_110:
 0.5102 - val_loss: 1.6837 - val_auc_110: 0.5096
 Epoch 683/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2424 - auc_110:
 0.5068 - val_loss: 1.2935 - val_auc_110: 0.5020
 Epoch 684/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5507 - auc_110:
 0.5090 - val_loss: 2.0657 - val_auc_110: 0.5038
 Epoch 685/700
 267/267 [=====] - 1s 3ms/step - loss: 2.0564 - auc_110:
 0.5085 - val_loss: 1.7695 - val_auc_110: 0.5029
 Epoch 686/700
 267/267 [=====] - 1s 3ms/step - loss: 2.2386 - auc_110:
 0.5070 - val_loss: 2.7017 - val_auc_110: 0.5105
 Epoch 687/700
 267/267 [=====] - 1s 3ms/step - loss: 2.5344 - auc_110:
 0.5096 - val_loss: 2.1348 - val_auc_110: 0.5104
 Epoch 688/700
 267/267 [=====] - 1s 3ms/step - loss: 2.1896 - auc_110:
 0.5072 - val_loss: 1.5890 - val_auc_110: 0.5042
 Epoch 689/700
 267/267 [=====] - 1s 3ms/step - loss: 2.3321 - auc_110:
 0.5070 - val_loss: 1.4635 - val_auc_110: 0.5075
 Epoch 690/700

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267/267 [=====] - 1s 3ms/step - loss: 2.6143 - auc_110:
0.5087 - val_loss: 1.7161 - val_auc_110: 0.5068
Epoch 691/700
267/267 [=====] - 1s 3ms/step - loss: 2.0461 - auc_110:
0.5073 - val_loss: 1.5414 - val_auc_110: 0.5096
Epoch 692/700
267/267 [=====] - 1s 3ms/step - loss: 2.4561 - auc_110:
0.5072 - val_loss: 2.7162 - val_auc_110: 0.5099
Epoch 693/700
267/267 [=====] - 1s 3ms/step - loss: 2.1865 - auc_110:
0.5063 - val_loss: 1.4560 - val_auc_110: 0.5140
Epoch 694/700
267/267 [=====] - 1s 3ms/step - loss: 2.0610 - auc_110:
0.5072 - val_loss: 1.6838 - val_auc_110: 0.5049
Epoch 695/700
267/267 [=====] - 1s 3ms/step - loss: 2.5396 - auc_110:
0.5062 - val_loss: 4.1562 - val_auc_110: 0.4975
Epoch 696/700
267/267 [=====] - 1s 3ms/step - loss: 2.3958 - auc_110:
0.5062 - val_loss: 2.7936 - val_auc_110: 0.4908
Epoch 697/700
267/267 [=====] - 1s 3ms/step - loss: 2.2726 - auc_110:
0.5094 - val_loss: 2.0720 - val_auc_110: 0.5050
Epoch 698/700
267/267 [=====] - 1s 3ms/step - loss: 2.1900 - auc_110:
0.5083 - val_loss: 1.0747 - val_auc_110: 0.5028
Epoch 699/700
267/267 [=====] - 1s 3ms/step - loss: 2.1968 - auc_110:
0.5100 - val_loss: 4.7822 - val_auc_110: 0.5044
Epoch 700/700
267/267 [=====] - 1s 3ms/step - loss: 2.5259 - auc_110:
0.5076 - val_loss: 1.4623 - val_auc_110: 0.5104
625/625 [=====] - 0s 554us/step
[CV] ... epochs=700, learning_rate=0.01, score=0.511, total= 9.2min
[CV] epochs=700, learning_rate=0.1 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 19.4797 -
auc_111: 0.5013 - val_loss: 33.8661 - val_auc_111: 0.4855
Epoch 2/700
267/267 [=====] - 1s 3ms/step - loss: 18.8226 -
auc_111: 0.5028 - val_loss: 14.1015 - val_auc_111: 0.5054
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 16.5458 -
auc_111: 0.5060 - val_loss: 26.3018 - val_auc_111: 0.5127
Epoch 4/700
267/267 [=====] - 1s 3ms/step - loss: 22.8583 -
auc_111: 0.4980 - val_loss: 30.4933 - val_auc_111: 0.4980
Epoch 5/700

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267/267 [=====] - 1s 3ms/step - loss: 23.7402 -
 auc_111: 0.5013 - val_loss: 41.1240 - val_auc_111: 0.5103
 Epoch 6/700
 267/267 [=====] - 1s 3ms/step - loss: 17.1817 -
 auc_111: 0.5034 - val_loss: 13.2836 - val_auc_111: 0.5094
 Epoch 7/700
 267/267 [=====] - 1s 3ms/step - loss: 20.8793 -
 auc_111: 0.4997 - val_loss: 21.0642 - val_auc_111: 0.5051
 Epoch 8/700
 267/267 [=====] - 1s 3ms/step - loss: 19.4678 -
 auc_111: 0.5042 - val_loss: 8.3247 - val_auc_111: 0.4922
 Epoch 9/700
 267/267 [=====] - 1s 3ms/step - loss: 26.1329 -
 auc_111: 0.5037 - val_loss: 12.4234 - val_auc_111: 0.4906
 Epoch 10/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3352 -
 auc_111: 0.5019 - val_loss: 30.9569 - val_auc_111: 0.5090
 Epoch 11/700
 267/267 [=====] - 1s 3ms/step - loss: 20.8144 -
 auc_111: 0.5050 - val_loss: 10.0704 - val_auc_111: 0.4882
 Epoch 12/700
 267/267 [=====] - 1s 3ms/step - loss: 20.7761 -
 auc_111: 0.5026 - val_loss: 12.2971 - val_auc_111: 0.5017
 Epoch 13/700
 267/267 [=====] - 1s 3ms/step - loss: 23.5895 -
 auc_111: 0.5034 - val_loss: 27.1225 - val_auc_111: 0.5109
 Epoch 14/700
 267/267 [=====] - 1s 3ms/step - loss: 17.5476 -
 auc_111: 0.4989 - val_loss: 8.7009 - val_auc_111: 0.4968
 Epoch 15/700
 267/267 [=====] - 1s 3ms/step - loss: 20.6462 -
 auc_111: 0.5010 - val_loss: 32.4024 - val_auc_111: 0.5080
 Epoch 16/700
 267/267 [=====] - 1s 3ms/step - loss: 19.2610 -
 auc_111: 0.5070 - val_loss: 11.4114 - val_auc_111: 0.5013
 Epoch 17/700
 267/267 [=====] - 1s 3ms/step - loss: 20.3576 -
 auc_111: 0.5014 - val_loss: 17.8067 - val_auc_111: 0.5075
 Epoch 18/700
 267/267 [=====] - 1s 3ms/step - loss: 22.2296 -
 auc_111: 0.5048 - val_loss: 25.3823 - val_auc_111: 0.5047
 Epoch 19/700
 267/267 [=====] - 1s 3ms/step - loss: 20.5405 -
 auc_111: 0.5013 - val_loss: 27.2127 - val_auc_111: 0.5042
 Epoch 20/700
 267/267 [=====] - 1s 3ms/step - loss: 22.9156 -
 auc_111: 0.5039 - val_loss: 20.9633 - val_auc_111: 0.4869
 Epoch 21/700

267/267 [=====] - 1s 3ms/step - loss: 21.3251 -
auc_111: 0.5006 - val_loss: 18.3729 - val_auc_111: 0.5052
Epoch 22/700
267/267 [=====] - 1s 3ms/step - loss: 16.5423 -
auc_111: 0.5013 - val_loss: 10.4387 - val_auc_111: 0.5129
Epoch 23/700
267/267 [=====] - 1s 3ms/step - loss: 17.8338 -
auc_111: 0.5030 - val_loss: 14.9713 - val_auc_111: 0.5121
Epoch 24/700
267/267 [=====] - 1s 3ms/step - loss: 18.8259 -
auc_111: 0.5016 - val_loss: 30.4319 - val_auc_111: 0.5084
Epoch 25/700
267/267 [=====] - 1s 3ms/step - loss: 19.2071 -
auc_111: 0.5003 - val_loss: 5.4467 - val_auc_111: 0.5043
Epoch 26/700
267/267 [=====] - 1s 3ms/step - loss: 19.8359 -
auc_111: 0.5057 - val_loss: 17.6746 - val_auc_111: 0.4935
Epoch 27/700
267/267 [=====] - 1s 3ms/step - loss: 19.6111 -
auc_111: 0.5039 - val_loss: 15.5267 - val_auc_111: 0.4943
Epoch 28/700
267/267 [=====] - 1s 3ms/step - loss: 17.6064 -
auc_111: 0.5029 - val_loss: 12.2285 - val_auc_111: 0.4988
Epoch 29/700
267/267 [=====] - 1s 3ms/step - loss: 17.5848 -
auc_111: 0.5006 - val_loss: 26.1093 - val_auc_111: 0.5028
Epoch 30/700
267/267 [=====] - 1s 3ms/step - loss: 21.3478 -
auc_111: 0.5013 - val_loss: 19.0697 - val_auc_111: 0.5021
Epoch 31/700
267/267 [=====] - 1s 3ms/step - loss: 19.1126 -
auc_111: 0.5070 - val_loss: 23.5908 - val_auc_111: 0.4863
Epoch 32/700
267/267 [=====] - 1s 3ms/step - loss: 24.3553 -
auc_111: 0.4998 - val_loss: 14.3597 - val_auc_111: 0.5004
Epoch 33/700
267/267 [=====] - 1s 3ms/step - loss: 18.3281 -
auc_111: 0.5040 - val_loss: 17.6437 - val_auc_111: 0.4960
Epoch 34/700
267/267 [=====] - 1s 3ms/step - loss: 24.4217 -
auc_111: 0.5026 - val_loss: 25.7513 - val_auc_111: 0.5069
Epoch 35/700
267/267 [=====] - 1s 3ms/step - loss: 22.5542 -
auc_111: 0.5055 - val_loss: 23.8728 - val_auc_111: 0.5086
Epoch 36/700
267/267 [=====] - 1s 3ms/step - loss: 20.9176 -
auc_111: 0.5016 - val_loss: 16.3701 - val_auc_111: 0.4883
Epoch 37/700

267/267 [=====] - 1s 3ms/step - loss: 19.4735 -
auc_111: 0.5040 - val_loss: 31.2255 - val_auc_111: 0.5078
Epoch 38/700
267/267 [=====] - 1s 3ms/step - loss: 26.5884 -
auc_111: 0.5040 - val_loss: 34.0507 - val_auc_111: 0.5030
Epoch 39/700
267/267 [=====] - 1s 3ms/step - loss: 19.4294 -
auc_111: 0.5006 - val_loss: 22.9545 - val_auc_111: 0.4985
Epoch 40/700
267/267 [=====] - 1s 3ms/step - loss: 18.5036 -
auc_111: 0.5027 - val_loss: 19.2386 - val_auc_111: 0.5082
Epoch 41/700
267/267 [=====] - 1s 3ms/step - loss: 19.2979 -
auc_111: 0.5024 - val_loss: 19.4788 - val_auc_111: 0.5009
Epoch 42/700
267/267 [=====] - 1s 3ms/step - loss: 25.3806 -
auc_111: 0.5035 - val_loss: 13.7132 - val_auc_111: 0.5197
Epoch 43/700
267/267 [=====] - 1s 3ms/step - loss: 18.8782 -
auc_111: 0.5039 - val_loss: 17.8565 - val_auc_111: 0.5021
Epoch 44/700
267/267 [=====] - 1s 3ms/step - loss: 16.4395 -
auc_111: 0.5015 - val_loss: 8.8788 - val_auc_111: 0.4953
Epoch 45/700
267/267 [=====] - 1s 3ms/step - loss: 18.9711 -
auc_111: 0.5024 - val_loss: 10.4398 - val_auc_111: 0.4903
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 20.9520 -
auc_111: 0.4996 - val_loss: 18.0017 - val_auc_111: 0.4930
Epoch 47/700
267/267 [=====] - 1s 3ms/step - loss: 17.6523 -
auc_111: 0.5019 - val_loss: 17.3782 - val_auc_111: 0.5072
Epoch 48/700
267/267 [=====] - 1s 3ms/step - loss: 19.1747 -
auc_111: 0.5039 - val_loss: 9.6063 - val_auc_111: 0.5134
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 17.1371 -
auc_111: 0.5043 - val_loss: 26.5493 - val_auc_111: 0.4954
Epoch 50/700
267/267 [=====] - 1s 3ms/step - loss: 21.3182 -
auc_111: 0.5069 - val_loss: 7.2385 - val_auc_111: 0.5077
Epoch 51/700
267/267 [=====] - 1s 3ms/step - loss: 20.4986 -
auc_111: 0.5004 - val_loss: 10.8144 - val_auc_111: 0.4987
Epoch 52/700
267/267 [=====] - 1s 3ms/step - loss: 16.6908 -
auc_111: 0.5076 - val_loss: 24.1452 - val_auc_111: 0.4982
Epoch 53/700

267/267 [=====] - 1s 3ms/step - loss: 22.3562 -
 auc_111: 0.5037 - val_loss: 22.0234 - val_auc_111: 0.4900
 Epoch 54/700
 267/267 [=====] - 1s 3ms/step - loss: 21.6956 -
 auc_111: 0.5028 - val_loss: 16.5215 - val_auc_111: 0.4901
 Epoch 55/700
 267/267 [=====] - 1s 3ms/step - loss: 24.4305 -
 auc_111: 0.5031 - val_loss: 26.3721 - val_auc_111: 0.5066
 Epoch 56/700
 267/267 [=====] - 1s 3ms/step - loss: 22.8360 -
 auc_111: 0.5039 - val_loss: 8.6612 - val_auc_111: 0.5065
 Epoch 57/700
 267/267 [=====] - 1s 3ms/step - loss: 22.7297 -
 auc_111: 0.4992 - val_loss: 16.4632 - val_auc_111: 0.5019
 Epoch 58/700
 267/267 [=====] - 1s 3ms/step - loss: 20.5656 -
 auc_111: 0.5020 - val_loss: 33.7101 - val_auc_111: 0.5039
 Epoch 59/700
 267/267 [=====] - 1s 3ms/step - loss: 17.5311 -
 auc_111: 0.5010 - val_loss: 7.1634 - val_auc_111: 0.5018
 Epoch 60/700
 267/267 [=====] - 1s 3ms/step - loss: 22.9141 -
 auc_111: 0.5010 - val_loss: 25.2185 - val_auc_111: 0.5013
 Epoch 61/700
 267/267 [=====] - 1s 3ms/step - loss: 21.7757 -
 auc_111: 0.5020 - val_loss: 16.0313 - val_auc_111: 0.5014
 Epoch 62/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3638 -
 auc_111: 0.5039 - val_loss: 10.0803 - val_auc_111: 0.5067
 Epoch 63/700
 267/267 [=====] - 1s 3ms/step - loss: 21.9085 -
 auc_111: 0.5025 - val_loss: 13.8014 - val_auc_111: 0.5052
 Epoch 64/700
 267/267 [=====] - 1s 3ms/step - loss: 23.5419 -
 auc_111: 0.5008 - val_loss: 31.9968 - val_auc_111: 0.5039
 Epoch 65/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5162 -
 auc_111: 0.5053 - val_loss: 21.2843 - val_auc_111: 0.5091
 Epoch 66/700
 267/267 [=====] - 1s 3ms/step - loss: 17.8110 -
 auc_111: 0.5049 - val_loss: 40.1172 - val_auc_111: 0.5128
 Epoch 67/700
 267/267 [=====] - 1s 3ms/step - loss: 22.5730 -
 auc_111: 0.5023 - val_loss: 15.7696 - val_auc_111: 0.5042
 Epoch 68/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3848 -
 auc_111: 0.5036 - val_loss: 12.4395 - val_auc_111: 0.4987
 Epoch 69/700

267/267 [=====] - 1s 3ms/step - loss: 24.9415 -
auc_111: 0.5034 - val_loss: 19.3653 - val_auc_111: 0.4952
Epoch 70/700
267/267 [=====] - 1s 3ms/step - loss: 18.5216 -
auc_111: 0.5017 - val_loss: 25.4443 - val_auc_111: 0.5081
Epoch 71/700
267/267 [=====] - 1s 3ms/step - loss: 20.4415 -
auc_111: 0.4996 - val_loss: 15.1813 - val_auc_111: 0.4989
Epoch 72/700
267/267 [=====] - 1s 3ms/step - loss: 20.4149 -
auc_111: 0.5026 - val_loss: 12.6424 - val_auc_111: 0.4985
Epoch 73/700
267/267 [=====] - 1s 3ms/step - loss: 19.9683 -
auc_111: 0.5043 - val_loss: 16.7348 - val_auc_111: 0.5062
Epoch 74/700
267/267 [=====] - 1s 3ms/step - loss: 21.3260 -
auc_111: 0.5014 - val_loss: 27.3679 - val_auc_111: 0.5144
Epoch 75/700
267/267 [=====] - 1s 3ms/step - loss: 18.3745 -
auc_111: 0.5022 - val_loss: 22.0391 - val_auc_111: 0.4970
Epoch 76/700
267/267 [=====] - 1s 3ms/step - loss: 19.1102 -
auc_111: 0.5050 - val_loss: 24.6691 - val_auc_111: 0.5095
Epoch 77/700
267/267 [=====] - 1s 3ms/step - loss: 17.7044 -
auc_111: 0.5023 - val_loss: 28.1934 - val_auc_111: 0.4983
Epoch 78/700
267/267 [=====] - 1s 3ms/step - loss: 24.7488 -
auc_111: 0.5026 - val_loss: 27.4212 - val_auc_111: 0.4989
Epoch 79/700
267/267 [=====] - 1s 3ms/step - loss: 19.1568 -
auc_111: 0.5062 - val_loss: 22.9994 - val_auc_111: 0.5064
Epoch 80/700
267/267 [=====] - 1s 3ms/step - loss: 21.3313 -
auc_111: 0.5008 - val_loss: 17.9504 - val_auc_111: 0.5020
Epoch 81/700
267/267 [=====] - 1s 3ms/step - loss: 21.7459 -
auc_111: 0.5017 - val_loss: 18.6175 - val_auc_111: 0.4872
Epoch 82/700
267/267 [=====] - 1s 3ms/step - loss: 18.3239 -
auc_111: 0.5042 - val_loss: 13.6768 - val_auc_111: 0.4941
Epoch 83/700
267/267 [=====] - 1s 3ms/step - loss: 20.1205 -
auc_111: 0.5028 - val_loss: 38.6923 - val_auc_111: 0.5053
Epoch 84/700
267/267 [=====] - 1s 3ms/step - loss: 24.7246 -
auc_111: 0.5007 - val_loss: 10.0725 - val_auc_111: 0.5109
Epoch 85/700

267/267 [=====] - 1s 3ms/step - loss: 21.7837 -
auc_111: 0.5051 - val_loss: 27.0321 - val_auc_111: 0.4910
Epoch 86/700
267/267 [=====] - 1s 3ms/step - loss: 22.8287 -
auc_111: 0.5024 - val_loss: 14.6005 - val_auc_111: 0.5087
Epoch 87/700
267/267 [=====] - 1s 3ms/step - loss: 19.8173 -
auc_111: 0.5018 - val_loss: 9.2833 - val_auc_111: 0.5205
Epoch 88/700
267/267 [=====] - 1s 3ms/step - loss: 27.1458 -
auc_111: 0.5080 - val_loss: 23.2883 - val_auc_111: 0.4996
Epoch 89/700
267/267 [=====] - 1s 3ms/step - loss: 19.8350 -
auc_111: 0.5028 - val_loss: 7.8007 - val_auc_111: 0.5065
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 19.7176 -
auc_111: 0.5043 - val_loss: 11.3198 - val_auc_111: 0.4983
Epoch 91/700
267/267 [=====] - 1s 3ms/step - loss: 17.5021 -
auc_111: 0.5059 - val_loss: 26.2045 - val_auc_111: 0.4964
Epoch 92/700
267/267 [=====] - 1s 3ms/step - loss: 21.8302 -
auc_111: 0.5030 - val_loss: 22.5332 - val_auc_111: 0.5027
Epoch 93/700
267/267 [=====] - 1s 3ms/step - loss: 17.4606 -
auc_111: 0.5020 - val_loss: 23.0008 - val_auc_111: 0.4942
Epoch 94/700
267/267 [=====] - 1s 3ms/step - loss: 17.8665 -
auc_111: 0.5026 - val_loss: 25.1592 - val_auc_111: 0.5085
Epoch 95/700
267/267 [=====] - 1s 3ms/step - loss: 17.0656 -
auc_111: 0.5036 - val_loss: 12.9919 - val_auc_111: 0.4883
Epoch 96/700
267/267 [=====] - 1s 3ms/step - loss: 22.1972 -
auc_111: 0.5015 - val_loss: 24.9430 - val_auc_111: 0.5052
Epoch 97/700
267/267 [=====] - 1s 3ms/step - loss: 24.0939 -
auc_111: 0.5010 - val_loss: 7.4645 - val_auc_111: 0.4962
Epoch 98/700
267/267 [=====] - 1s 3ms/step - loss: 18.3735 -
auc_111: 0.5023 - val_loss: 11.8655 - val_auc_111: 0.5132
Epoch 99/700
267/267 [=====] - 1s 3ms/step - loss: 20.4401 -
auc_111: 0.5010 - val_loss: 46.0586 - val_auc_111: 0.5159
Epoch 100/700
267/267 [=====] - 1s 3ms/step - loss: 18.9392 -
auc_111: 0.5017 - val_loss: 13.0749 - val_auc_111: 0.4943
Epoch 101/700

267/267 [=====] - 1s 3ms/step - loss: 23.2537 -
 auc_111: 0.5023 - val_loss: 25.5669 - val_auc_111: 0.5102
 Epoch 102/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4811 -
 auc_111: 0.5019 - val_loss: 13.3000 - val_auc_111: 0.5098
 Epoch 103/700
 267/267 [=====] - 1s 3ms/step - loss: 22.8029 -
 auc_111: 0.5032 - val_loss: 37.3027 - val_auc_111: 0.5017
 Epoch 104/700
 267/267 [=====] - 1s 3ms/step - loss: 21.7840 -
 auc_111: 0.5009 - val_loss: 13.4247 - val_auc_111: 0.5145
 Epoch 105/700
 267/267 [=====] - 1s 3ms/step - loss: 15.8361 -
 auc_111: 0.5048 - val_loss: 20.0716 - val_auc_111: 0.4992
 Epoch 106/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6188 -
 auc_111: 0.5054 - val_loss: 25.6734 - val_auc_111: 0.5065
 Epoch 107/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8633 -
 auc_111: 0.5004 - val_loss: 7.4218 - val_auc_111: 0.5010
 Epoch 108/700
 267/267 [=====] - 1s 3ms/step - loss: 17.4863 -
 auc_111: 0.5019 - val_loss: 25.2677 - val_auc_111: 0.4891
 Epoch 109/700
 267/267 [=====] - 1s 3ms/step - loss: 22.3982 -
 auc_111: 0.5038 - val_loss: 17.9492 - val_auc_111: 0.5074
 Epoch 110/700
 267/267 [=====] - 1s 3ms/step - loss: 26.1491 -
 auc_111: 0.5013 - val_loss: 15.8866 - val_auc_111: 0.4989
 Epoch 111/700
 267/267 [=====] - 1s 3ms/step - loss: 23.0704 -
 auc_111: 0.4977 - val_loss: 19.3481 - val_auc_111: 0.4838
 Epoch 112/700
 267/267 [=====] - 1s 3ms/step - loss: 17.6252 -
 auc_111: 0.5026 - val_loss: 41.1756 - val_auc_111: 0.5053
 Epoch 113/700
 267/267 [=====] - 1s 3ms/step - loss: 18.7635 -
 auc_111: 0.5015 - val_loss: 16.9958 - val_auc_111: 0.4972
 Epoch 114/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4309 -
 auc_111: 0.4976 - val_loss: 10.2111 - val_auc_111: 0.4909
 Epoch 115/700
 267/267 [=====] - 1s 3ms/step - loss: 18.9688 -
 auc_111: 0.5016 - val_loss: 7.2126 - val_auc_111: 0.5125
 Epoch 116/700
 267/267 [=====] - 1s 3ms/step - loss: 18.5404 -
 auc_111: 0.5010 - val_loss: 9.9288 - val_auc_111: 0.4862
 Epoch 117/700

267/267 [=====] - 1s 3ms/step - loss: 17.5736 -
auc_111: 0.5042 - val_loss: 41.2114 - val_auc_111: 0.4914
Epoch 118/700
267/267 [=====] - 1s 3ms/step - loss: 19.4284 -
auc_111: 0.5045 - val_loss: 15.6642 - val_auc_111: 0.4997
Epoch 119/700
267/267 [=====] - 1s 3ms/step - loss: 18.4200 -
auc_111: 0.5024 - val_loss: 19.6050 - val_auc_111: 0.4985
Epoch 120/700
267/267 [=====] - 1s 3ms/step - loss: 21.3113 -
auc_111: 0.5034 - val_loss: 19.9517 - val_auc_111: 0.4964
Epoch 121/700
267/267 [=====] - 1s 3ms/step - loss: 22.0273 -
auc_111: 0.5038 - val_loss: 12.0012 - val_auc_111: 0.4954
Epoch 122/700
267/267 [=====] - 1s 3ms/step - loss: 20.4915 -
auc_111: 0.5027 - val_loss: 7.9564 - val_auc_111: 0.4934
Epoch 123/700
267/267 [=====] - 1s 3ms/step - loss: 21.5927 -
auc_111: 0.5010 - val_loss: 18.5582 - val_auc_111: 0.4937
Epoch 124/700
267/267 [=====] - 1s 3ms/step - loss: 18.3272 -
auc_111: 0.5050 - val_loss: 15.1875 - val_auc_111: 0.5138
Epoch 125/700
267/267 [=====] - 1s 3ms/step - loss: 18.5507 -
auc_111: 0.5043 - val_loss: 17.4749 - val_auc_111: 0.4973
Epoch 126/700
267/267 [=====] - 1s 3ms/step - loss: 19.2269 -
auc_111: 0.5027 - val_loss: 25.6758 - val_auc_111: 0.5068
Epoch 127/700
267/267 [=====] - 1s 3ms/step - loss: 20.3137 -
auc_111: 0.5030 - val_loss: 41.5493 - val_auc_111: 0.4952
Epoch 128/700
267/267 [=====] - 1s 3ms/step - loss: 19.0545 -
auc_111: 0.5012 - val_loss: 27.5797 - val_auc_111: 0.5020
Epoch 129/700
267/267 [=====] - 1s 3ms/step - loss: 17.2606 -
auc_111: 0.5031 - val_loss: 26.5360 - val_auc_111: 0.5085
Epoch 130/700
267/267 [=====] - 1s 3ms/step - loss: 21.3354 -
auc_111: 0.5029 - val_loss: 56.8617 - val_auc_111: 0.5083
Epoch 131/700
267/267 [=====] - 1s 3ms/step - loss: 19.7162 -
auc_111: 0.5035 - val_loss: 27.8686 - val_auc_111: 0.4968
Epoch 132/700
267/267 [=====] - 1s 3ms/step - loss: 18.7099 -
auc_111: 0.5029 - val_loss: 21.2501 - val_auc_111: 0.5096
Epoch 133/700

267/267 [=====] - 1s 3ms/step - loss: 19.1668 -
 auc_111: 0.5026 - val_loss: 51.4474 - val_auc_111: 0.5183
 Epoch 134/700
 267/267 [=====] - 1s 3ms/step - loss: 21.5802 -
 auc_111: 0.5042 - val_loss: 18.2641 - val_auc_111: 0.4887
 Epoch 135/700
 267/267 [=====] - 1s 3ms/step - loss: 22.7182 -
 auc_111: 0.5020 - val_loss: 37.0900 - val_auc_111: 0.4988
 Epoch 136/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4551 -
 auc_111: 0.5017 - val_loss: 16.1946 - val_auc_111: 0.5117
 Epoch 137/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6774 -
 auc_111: 0.5011 - val_loss: 24.6985 - val_auc_111: 0.5012
 Epoch 138/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2492 -
 auc_111: 0.5042 - val_loss: 6.9801 - val_auc_111: 0.5041
 Epoch 139/700
 267/267 [=====] - 1s 3ms/step - loss: 21.9875 -
 auc_111: 0.5003 - val_loss: 37.6643 - val_auc_111: 0.4920
 Epoch 140/700
 267/267 [=====] - 1s 3ms/step - loss: 23.1795 -
 auc_111: 0.5017 - val_loss: 15.5740 - val_auc_111: 0.4964
 Epoch 141/700
 267/267 [=====] - 1s 3ms/step - loss: 17.9557 -
 auc_111: 0.5038 - val_loss: 31.3625 - val_auc_111: 0.5078
 Epoch 142/700
 267/267 [=====] - 1s 3ms/step - loss: 18.4924 -
 auc_111: 0.5027 - val_loss: 21.3631 - val_auc_111: 0.4897
 Epoch 143/700
 267/267 [=====] - 1s 3ms/step - loss: 22.5334 -
 auc_111: 0.5017 - val_loss: 33.4188 - val_auc_111: 0.5055
 Epoch 144/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2442 -
 auc_111: 0.5037 - val_loss: 13.0478 - val_auc_111: 0.4939
 Epoch 145/700
 267/267 [=====] - 1s 3ms/step - loss: 21.9403 -
 auc_111: 0.5068 - val_loss: 11.5957 - val_auc_111: 0.4928
 Epoch 146/700
 267/267 [=====] - 1s 3ms/step - loss: 22.2541 -
 auc_111: 0.5005 - val_loss: 9.9064 - val_auc_111: 0.4862
 Epoch 147/700
 267/267 [=====] - 1s 3ms/step - loss: 19.9651 -
 auc_111: 0.5021 - val_loss: 19.5037 - val_auc_111: 0.5135
 Epoch 148/700
 267/267 [=====] - 1s 3ms/step - loss: 17.6548 -
 auc_111: 0.5044 - val_loss: 19.5675 - val_auc_111: 0.4981
 Epoch 149/700

267/267 [=====] - 1s 3ms/step - loss: 20.6642 -
auc_111: 0.5019 - val_loss: 22.2176 - val_auc_111: 0.4968
Epoch 150/700
267/267 [=====] - 1s 3ms/step - loss: 22.3330 -
auc_111: 0.4976 - val_loss: 31.4403 - val_auc_111: 0.5029
Epoch 151/700
267/267 [=====] - 1s 3ms/step - loss: 28.1415 -
auc_111: 0.5023 - val_loss: 24.9910 - val_auc_111: 0.4929
Epoch 152/700
267/267 [=====] - 1s 3ms/step - loss: 20.1850 -
auc_111: 0.5045 - val_loss: 10.4491 - val_auc_111: 0.5148
Epoch 153/700
267/267 [=====] - 1s 3ms/step - loss: 17.4969 -
auc_111: 0.5034 - val_loss: 12.2480 - val_auc_111: 0.5033
Epoch 154/700
267/267 [=====] - 1s 3ms/step - loss: 18.8018 -
auc_111: 0.4991 - val_loss: 20.2553 - val_auc_111: 0.5114
Epoch 155/700
267/267 [=====] - 1s 3ms/step - loss: 20.4424 -
auc_111: 0.5007 - val_loss: 14.5159 - val_auc_111: 0.4949
Epoch 156/700
267/267 [=====] - 1s 3ms/step - loss: 17.4332 -
auc_111: 0.5057 - val_loss: 19.9854 - val_auc_111: 0.5068
Epoch 157/700
267/267 [=====] - 1s 3ms/step - loss: 20.2105 -
auc_111: 0.5013 - val_loss: 25.7092 - val_auc_111: 0.5045
Epoch 158/700
267/267 [=====] - 1s 3ms/step - loss: 20.7834 -
auc_111: 0.5031 - val_loss: 4.5664 - val_auc_111: 0.5126
Epoch 159/700
267/267 [=====] - 1s 3ms/step - loss: 18.5772 -
auc_111: 0.5058 - val_loss: 45.8799 - val_auc_111: 0.5001
Epoch 160/700
267/267 [=====] - 1s 3ms/step - loss: 19.9424 -
auc_111: 0.5004 - val_loss: 30.6461 - val_auc_111: 0.5099
Epoch 161/700
267/267 [=====] - 1s 3ms/step - loss: 20.5070 -
auc_111: 0.4995 - val_loss: 18.6632 - val_auc_111: 0.4924
Epoch 162/700
267/267 [=====] - 1s 3ms/step - loss: 19.9133 -
auc_111: 0.5041 - val_loss: 19.0002 - val_auc_111: 0.5130
Epoch 163/700
267/267 [=====] - 1s 3ms/step - loss: 19.6820 -
auc_111: 0.5080 - val_loss: 13.4691 - val_auc_111: 0.4932
Epoch 164/700
267/267 [=====] - 1s 3ms/step - loss: 17.4644 -
auc_111: 0.5036 - val_loss: 7.9776 - val_auc_111: 0.4961
Epoch 165/700

267/267 [=====] - 1s 3ms/step - loss: 18.8622 -
auc_111: 0.5045 - val_loss: 10.5370 - val_auc_111: 0.5003
Epoch 166/700
267/267 [=====] - 1s 3ms/step - loss: 19.3730 -
auc_111: 0.5043 - val_loss: 16.1587 - val_auc_111: 0.4975
Epoch 167/700
267/267 [=====] - 1s 3ms/step - loss: 22.2349 -
auc_111: 0.5027 - val_loss: 32.5989 - val_auc_111: 0.5078
Epoch 168/700
267/267 [=====] - 1s 3ms/step - loss: 20.1950 -
auc_111: 0.5014 - val_loss: 12.8016 - val_auc_111: 0.5073
Epoch 169/700
267/267 [=====] - 1s 3ms/step - loss: 14.5591 -
auc_111: 0.5039 - val_loss: 11.6005 - val_auc_111: 0.4859
Epoch 170/700
267/267 [=====] - 1s 3ms/step - loss: 20.3598 -
auc_111: 0.5016 - val_loss: 13.4826 - val_auc_111: 0.4940
Epoch 171/700
267/267 [=====] - 1s 3ms/step - loss: 18.4772 -
auc_111: 0.5019 - val_loss: 10.1093 - val_auc_111: 0.5096
Epoch 172/700
267/267 [=====] - 1s 3ms/step - loss: 19.4755 -
auc_111: 0.5039 - val_loss: 15.3593 - val_auc_111: 0.5089
Epoch 173/700
267/267 [=====] - 1s 3ms/step - loss: 17.0062 -
auc_111: 0.5040 - val_loss: 13.1013 - val_auc_111: 0.4947
Epoch 174/700
267/267 [=====] - 1s 3ms/step - loss: 22.0712 -
auc_111: 0.5017 - val_loss: 28.3287 - val_auc_111: 0.5015
Epoch 175/700
267/267 [=====] - 1s 3ms/step - loss: 20.3531 -
auc_111: 0.5008 - val_loss: 33.7259 - val_auc_111: 0.5068
Epoch 176/700
267/267 [=====] - 1s 3ms/step - loss: 18.5384 -
auc_111: 0.5016 - val_loss: 11.3811 - val_auc_111: 0.5005
Epoch 177/700
267/267 [=====] - 1s 3ms/step - loss: 22.3097 -
auc_111: 0.4994 - val_loss: 11.2048 - val_auc_111: 0.5070
Epoch 178/700
267/267 [=====] - 1s 3ms/step - loss: 18.0612 -
auc_111: 0.4995 - val_loss: 8.9114 - val_auc_111: 0.5053
Epoch 179/700
267/267 [=====] - 1s 3ms/step - loss: 20.7206 -
auc_111: 0.4986 - val_loss: 30.0635 - val_auc_111: 0.5069
Epoch 180/700
267/267 [=====] - 1s 3ms/step - loss: 17.0890 -
auc_111: 0.5011 - val_loss: 10.5609 - val_auc_111: 0.5021
Epoch 181/700

267/267 [=====] - 1s 3ms/step - loss: 17.8124 -
auc_111: 0.5029 - val_loss: 16.2902 - val_auc_111: 0.5024
Epoch 182/700
267/267 [=====] - 1s 3ms/step - loss: 19.2709 -
auc_111: 0.5029 - val_loss: 22.6031 - val_auc_111: 0.5053
Epoch 183/700
267/267 [=====] - 1s 3ms/step - loss: 23.5902 -
auc_111: 0.4998 - val_loss: 17.0384 - val_auc_111: 0.5047
Epoch 184/700
267/267 [=====] - 1s 3ms/step - loss: 22.3762 -
auc_111: 0.5045 - val_loss: 31.4389 - val_auc_111: 0.4994
Epoch 185/700
267/267 [=====] - 1s 3ms/step - loss: 19.3964 -
auc_111: 0.5014 - val_loss: 11.6219 - val_auc_111: 0.5005
Epoch 186/700
267/267 [=====] - 1s 3ms/step - loss: 18.8244 -
auc_111: 0.5085 - val_loss: 9.0343 - val_auc_111: 0.5013
Epoch 187/700
267/267 [=====] - 1s 3ms/step - loss: 15.7071 -
auc_111: 0.5052 - val_loss: 30.1448 - val_auc_111: 0.5041
Epoch 188/700
267/267 [=====] - 1s 3ms/step - loss: 20.3523 -
auc_111: 0.5053 - val_loss: 7.7422 - val_auc_111: 0.4994
Epoch 189/700
267/267 [=====] - 1s 3ms/step - loss: 20.1435 -
auc_111: 0.5037 - val_loss: 29.1100 - val_auc_111: 0.5062
Epoch 190/700
267/267 [=====] - 1s 3ms/step - loss: 22.9369 -
auc_111: 0.5049 - val_loss: 24.0590 - val_auc_111: 0.5006
Epoch 191/700
267/267 [=====] - 1s 3ms/step - loss: 25.1149 -
auc_111: 0.5006 - val_loss: 20.0999 - val_auc_111: 0.4891
Epoch 192/700
267/267 [=====] - 1s 3ms/step - loss: 22.2944 -
auc_111: 0.5040 - val_loss: 18.4025 - val_auc_111: 0.5074
Epoch 193/700
267/267 [=====] - 1s 3ms/step - loss: 22.7883 -
auc_111: 0.5036 - val_loss: 21.7187 - val_auc_111: 0.5063
Epoch 194/700
267/267 [=====] - 1s 3ms/step - loss: 22.1163 -
auc_111: 0.5042 - val_loss: 21.5232 - val_auc_111: 0.4988
Epoch 195/700
267/267 [=====] - 1s 3ms/step - loss: 19.8596 -
auc_111: 0.5016 - val_loss: 8.5774 - val_auc_111: 0.5004
Epoch 196/700
267/267 [=====] - 1s 3ms/step - loss: 18.2045 -
auc_111: 0.5016 - val_loss: 17.6655 - val_auc_111: 0.4967
Epoch 197/700

267/267 [=====] - 1s 3ms/step - loss: 15.6397 -
 auc_111: 0.5007 - val_loss: 8.8582 - val_auc_111: 0.4917
 Epoch 198/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5148 -
 auc_111: 0.5015 - val_loss: 7.9522 - val_auc_111: 0.4987
 Epoch 199/700
 267/267 [=====] - 1s 3ms/step - loss: 25.2203 -
 auc_111: 0.5043 - val_loss: 16.4002 - val_auc_111: 0.4982
 Epoch 200/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1835 -
 auc_111: 0.5024 - val_loss: 6.0711 - val_auc_111: 0.5140
 Epoch 201/700
 267/267 [=====] - 1s 3ms/step - loss: 16.7314 -
 auc_111: 0.5024 - val_loss: 14.4330 - val_auc_111: 0.5146
 Epoch 202/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8819 -
 auc_111: 0.5027 - val_loss: 27.0621 - val_auc_111: 0.5029
 Epoch 203/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1938 -
 auc_111: 0.5018 - val_loss: 9.6153 - val_auc_111: 0.5043
 Epoch 204/700
 267/267 [=====] - 1s 3ms/step - loss: 20.1608 -
 auc_111: 0.5018 - val_loss: 25.0233 - val_auc_111: 0.5088
 Epoch 205/700
 267/267 [=====] - 1s 3ms/step - loss: 16.6123 -
 auc_111: 0.5036 - val_loss: 16.4708 - val_auc_111: 0.5055
 Epoch 206/700
 267/267 [=====] - 1s 3ms/step - loss: 18.0132 -
 auc_111: 0.5029 - val_loss: 13.5130 - val_auc_111: 0.5140
 Epoch 207/700
 267/267 [=====] - 1s 3ms/step - loss: 22.0476 -
 auc_111: 0.5035 - val_loss: 15.3212 - val_auc_111: 0.5000
 Epoch 208/700
 267/267 [=====] - 1s 3ms/step - loss: 15.2841 -
 auc_111: 0.5012 - val_loss: 23.7705 - val_auc_111: 0.5007
 Epoch 209/700
 267/267 [=====] - 1s 3ms/step - loss: 20.8529 -
 auc_111: 0.5019 - val_loss: 12.4990 - val_auc_111: 0.5021
 Epoch 210/700
 267/267 [=====] - 1s 3ms/step - loss: 17.0305 -
 auc_111: 0.5055 - val_loss: 27.5574 - val_auc_111: 0.4952
 Epoch 211/700
 267/267 [=====] - 1s 3ms/step - loss: 21.5196 -
 auc_111: 0.5040 - val_loss: 10.1507 - val_auc_111: 0.5118
 Epoch 212/700
 267/267 [=====] - 1s 3ms/step - loss: 22.1835 -
 auc_111: 0.5030 - val_loss: 19.2562 - val_auc_111: 0.5060
 Epoch 213/700

267/267 [=====] - 1s 3ms/step - loss: 17.8477 -
auc_111: 0.5000 - val_loss: 10.2766 - val_auc_111: 0.5094
Epoch 214/700
267/267 [=====] - 1s 3ms/step - loss: 21.5592 -
auc_111: 0.5028 - val_loss: 30.6500 - val_auc_111: 0.5016
Epoch 215/700
267/267 [=====] - 1s 3ms/step - loss: 17.8734 -
auc_111: 0.5023 - val_loss: 13.6610 - val_auc_111: 0.5047
Epoch 216/700
267/267 [=====] - 1s 3ms/step - loss: 17.9090 -
auc_111: 0.5025 - val_loss: 10.6943 - val_auc_111: 0.5155
Epoch 217/700
267/267 [=====] - 1s 3ms/step - loss: 18.7327 -
auc_111: 0.5006 - val_loss: 15.5836 - val_auc_111: 0.5141
Epoch 218/700
267/267 [=====] - 1s 3ms/step - loss: 21.4360 -
auc_111: 0.5028 - val_loss: 23.3285 - val_auc_111: 0.4938
Epoch 219/700
267/267 [=====] - 1s 3ms/step - loss: 19.4494 -
auc_111: 0.5038 - val_loss: 19.6116 - val_auc_111: 0.4966
Epoch 220/700
267/267 [=====] - 1s 3ms/step - loss: 20.5468 -
auc_111: 0.5002 - val_loss: 11.0740 - val_auc_111: 0.4973
Epoch 221/700
267/267 [=====] - 1s 3ms/step - loss: 20.4486 -
auc_111: 0.5012 - val_loss: 39.1796 - val_auc_111: 0.4989
Epoch 222/700
267/267 [=====] - 1s 3ms/step - loss: 21.8955 -
auc_111: 0.5010 - val_loss: 19.3938 - val_auc_111: 0.5035
Epoch 223/700
267/267 [=====] - 1s 3ms/step - loss: 20.9251 -
auc_111: 0.5051 - val_loss: 19.4703 - val_auc_111: 0.4972
Epoch 224/700
267/267 [=====] - 1s 3ms/step - loss: 19.5853 -
auc_111: 0.5015 - val_loss: 20.0113 - val_auc_111: 0.4924
Epoch 225/700
267/267 [=====] - 1s 3ms/step - loss: 19.0264 -
auc_111: 0.5028 - val_loss: 24.0700 - val_auc_111: 0.5025
Epoch 226/700
267/267 [=====] - 1s 3ms/step - loss: 23.6934 -
auc_111: 0.5017 - val_loss: 12.5568 - val_auc_111: 0.5029
Epoch 227/700
267/267 [=====] - 1s 3ms/step - loss: 19.9722 -
auc_111: 0.5035 - val_loss: 9.0545 - val_auc_111: 0.5052
Epoch 228/700
267/267 [=====] - 1s 3ms/step - loss: 18.0538 -
auc_111: 0.5054 - val_loss: 16.3354 - val_auc_111: 0.5068
Epoch 229/700

267/267 [=====] - 1s 3ms/step - loss: 22.8651 -
auc_111: 0.5017 - val_loss: 43.5281 - val_auc_111: 0.5101
Epoch 230/700
267/267 [=====] - 1s 3ms/step - loss: 22.0432 -
auc_111: 0.4998 - val_loss: 22.5032 - val_auc_111: 0.4974
Epoch 231/700
267/267 [=====] - 1s 3ms/step - loss: 20.2097 -
auc_111: 0.5022 - val_loss: 29.6072 - val_auc_111: 0.5084
Epoch 232/700
267/267 [=====] - 1s 3ms/step - loss: 19.6675 -
auc_111: 0.4996 - val_loss: 14.4179 - val_auc_111: 0.5003
Epoch 233/700
267/267 [=====] - 1s 3ms/step - loss: 20.5785 -
auc_111: 0.5011 - val_loss: 7.2882 - val_auc_111: 0.5091
Epoch 234/700
267/267 [=====] - 1s 3ms/step - loss: 16.5586 -
auc_111: 0.5069 - val_loss: 12.3531 - val_auc_111: 0.5061
Epoch 235/700
267/267 [=====] - 1s 3ms/step - loss: 19.8808 -
auc_111: 0.5012 - val_loss: 19.5133 - val_auc_111: 0.4931
Epoch 236/700
267/267 [=====] - 1s 3ms/step - loss: 19.6621 -
auc_111: 0.5014 - val_loss: 32.9418 - val_auc_111: 0.5070
Epoch 237/700
267/267 [=====] - 1s 3ms/step - loss: 20.1554 -
auc_111: 0.5043 - val_loss: 36.4973 - val_auc_111: 0.4931
Epoch 238/700
267/267 [=====] - 1s 3ms/step - loss: 20.3825 -
auc_111: 0.5061 - val_loss: 29.5124 - val_auc_111: 0.4936
Epoch 239/700
267/267 [=====] - 1s 3ms/step - loss: 17.8597 -
auc_111: 0.5063 - val_loss: 17.1269 - val_auc_111: 0.5145
Epoch 240/700
267/267 [=====] - 1s 3ms/step - loss: 19.2852 -
auc_111: 0.5041 - val_loss: 18.2695 - val_auc_111: 0.5168
Epoch 241/700
267/267 [=====] - 1s 3ms/step - loss: 21.2491 -
auc_111: 0.5033 - val_loss: 22.1558 - val_auc_111: 0.5033
Epoch 242/700
267/267 [=====] - 1s 3ms/step - loss: 19.5423 -
auc_111: 0.5008 - val_loss: 25.7437 - val_auc_111: 0.4899
Epoch 243/700
267/267 [=====] - 1s 3ms/step - loss: 18.6026 -
auc_111: 0.5015 - val_loss: 7.1673 - val_auc_111: 0.4931
Epoch 244/700
267/267 [=====] - 1s 3ms/step - loss: 19.6280 -
auc_111: 0.5046 - val_loss: 14.5929 - val_auc_111: 0.4893
Epoch 245/700

267/267 [=====] - 1s 3ms/step - loss: 24.3507 -
auc_111: 0.4983 - val_loss: 6.7770 - val_auc_111: 0.4953
Epoch 246/700
267/267 [=====] - 1s 3ms/step - loss: 19.5206 -
auc_111: 0.5026 - val_loss: 28.1435 - val_auc_111: 0.4998
Epoch 247/700
267/267 [=====] - 1s 3ms/step - loss: 27.8244 -
auc_111: 0.5016 - val_loss: 16.6432 - val_auc_111: 0.4941
Epoch 248/700
267/267 [=====] - 1s 3ms/step - loss: 16.9091 -
auc_111: 0.5035 - val_loss: 15.4796 - val_auc_111: 0.5017
Epoch 249/700
267/267 [=====] - 1s 3ms/step - loss: 25.4810 -
auc_111: 0.5025 - val_loss: 23.4155 - val_auc_111: 0.5100
Epoch 250/700
267/267 [=====] - 1s 3ms/step - loss: 22.2620 -
auc_111: 0.4982 - val_loss: 26.2506 - val_auc_111: 0.5013
Epoch 251/700
267/267 [=====] - 1s 3ms/step - loss: 19.0028 -
auc_111: 0.5036 - val_loss: 8.8376 - val_auc_111: 0.4950
Epoch 252/700
267/267 [=====] - 1s 3ms/step - loss: 18.8171 -
auc_111: 0.5035 - val_loss: 27.9225 - val_auc_111: 0.4969
Epoch 253/700
267/267 [=====] - 1s 3ms/step - loss: 22.4555 -
auc_111: 0.5008 - val_loss: 37.4739 - val_auc_111: 0.5130
Epoch 254/700
267/267 [=====] - 1s 3ms/step - loss: 24.0408 -
auc_111: 0.5003 - val_loss: 9.9948 - val_auc_111: 0.4959
Epoch 255/700
267/267 [=====] - 1s 3ms/step - loss: 22.0141 -
auc_111: 0.5037 - val_loss: 12.7423 - val_auc_111: 0.5070
Epoch 256/700
267/267 [=====] - 1s 3ms/step - loss: 16.5962 -
auc_111: 0.5043 - val_loss: 47.6167 - val_auc_111: 0.5030
Epoch 257/700
267/267 [=====] - 1s 3ms/step - loss: 19.5375 -
auc_111: 0.5011 - val_loss: 20.1815 - val_auc_111: 0.5044
Epoch 258/700
267/267 [=====] - 1s 3ms/step - loss: 19.4206 -
auc_111: 0.5034 - val_loss: 17.8403 - val_auc_111: 0.5062
Epoch 259/700
267/267 [=====] - 1s 3ms/step - loss: 24.0581 -
auc_111: 0.5027 - val_loss: 15.9283 - val_auc_111: 0.5123
Epoch 260/700
267/267 [=====] - 1s 3ms/step - loss: 18.3934 -
auc_111: 0.5033 - val_loss: 9.7138 - val_auc_111: 0.4839
Epoch 261/700

267/267 [=====] - 1s 3ms/step - loss: 19.6024 -
auc_111: 0.5048 - val_loss: 34.6514 - val_auc_111: 0.5041
Epoch 262/700
267/267 [=====] - 1s 3ms/step - loss: 19.1249 -
auc_111: 0.5024 - val_loss: 11.2274 - val_auc_111: 0.5080
Epoch 263/700
267/267 [=====] - 1s 3ms/step - loss: 19.1369 -
auc_111: 0.5048 - val_loss: 23.0281 - val_auc_111: 0.5053
Epoch 264/700
267/267 [=====] - 1s 3ms/step - loss: 17.0806 -
auc_111: 0.5042 - val_loss: 16.8805 - val_auc_111: 0.5087
Epoch 265/700
267/267 [=====] - 1s 3ms/step - loss: 23.6200 -
auc_111: 0.5031 - val_loss: 15.7917 - val_auc_111: 0.5024
Epoch 266/700
267/267 [=====] - 1s 3ms/step - loss: 17.3497 -
auc_111: 0.5026 - val_loss: 17.4544 - val_auc_111: 0.4952
Epoch 267/700
267/267 [=====] - 1s 3ms/step - loss: 20.0854 -
auc_111: 0.5040 - val_loss: 29.1970 - val_auc_111: 0.5050
Epoch 268/700
267/267 [=====] - 1s 3ms/step - loss: 22.9704 -
auc_111: 0.5039 - val_loss: 14.5293 - val_auc_111: 0.5099
Epoch 269/700
267/267 [=====] - 1s 3ms/step - loss: 21.4356 -
auc_111: 0.5050 - val_loss: 18.8235 - val_auc_111: 0.4986
Epoch 270/700
267/267 [=====] - 1s 3ms/step - loss: 17.0576 -
auc_111: 0.5023 - val_loss: 8.1611 - val_auc_111: 0.5121
Epoch 271/700
267/267 [=====] - 1s 3ms/step - loss: 20.8114 -
auc_111: 0.5015 - val_loss: 20.1649 - val_auc_111: 0.5027
Epoch 272/700
267/267 [=====] - 1s 3ms/step - loss: 22.7130 -
auc_111: 0.5014 - val_loss: 12.0681 - val_auc_111: 0.4891
Epoch 273/700
267/267 [=====] - 1s 3ms/step - loss: 19.6747 -
auc_111: 0.5035 - val_loss: 24.9100 - val_auc_111: 0.4991
Epoch 274/700
267/267 [=====] - 1s 3ms/step - loss: 20.5911 -
auc_111: 0.5024 - val_loss: 8.8385 - val_auc_111: 0.5016
Epoch 275/700
267/267 [=====] - 1s 3ms/step - loss: 18.3868 -
auc_111: 0.5063 - val_loss: 39.7142 - val_auc_111: 0.5130
Epoch 276/700
267/267 [=====] - 1s 3ms/step - loss: 20.9611 -
auc_111: 0.5020 - val_loss: 21.8643 - val_auc_111: 0.4841
Epoch 277/700

267/267 [=====] - 1s 3ms/step - loss: 19.4077 -
auc_111: 0.5000 - val_loss: 10.9725 - val_auc_111: 0.5010
Epoch 278/700
267/267 [=====] - 1s 3ms/step - loss: 20.3091 -
auc_111: 0.5037 - val_loss: 7.3896 - val_auc_111: 0.5066
Epoch 279/700
267/267 [=====] - 1s 3ms/step - loss: 18.5749 -
auc_111: 0.5021 - val_loss: 12.6877 - val_auc_111: 0.4970
Epoch 280/700
267/267 [=====] - 1s 3ms/step - loss: 15.9084 -
auc_111: 0.5046 - val_loss: 27.0487 - val_auc_111: 0.5132
Epoch 281/700
267/267 [=====] - 1s 3ms/step - loss: 17.0907 -
auc_111: 0.5020 - val_loss: 10.7428 - val_auc_111: 0.4954
Epoch 282/700
267/267 [=====] - 1s 3ms/step - loss: 25.7788 -
auc_111: 0.5025 - val_loss: 15.8473 - val_auc_111: 0.5093
Epoch 283/700
267/267 [=====] - 1s 3ms/step - loss: 18.9058 -
auc_111: 0.5062 - val_loss: 12.9186 - val_auc_111: 0.5140
Epoch 284/700
267/267 [=====] - 1s 3ms/step - loss: 20.1608 -
auc_111: 0.4999 - val_loss: 13.4433 - val_auc_111: 0.4948
Epoch 285/700
267/267 [=====] - 1s 3ms/step - loss: 24.1416 -
auc_111: 0.5018 - val_loss: 34.2086 - val_auc_111: 0.4990
Epoch 286/700
267/267 [=====] - 1s 3ms/step - loss: 19.5115 -
auc_111: 0.5049 - val_loss: 20.4264 - val_auc_111: 0.5087
Epoch 287/700
267/267 [=====] - 1s 3ms/step - loss: 20.0462 -
auc_111: 0.5025 - val_loss: 14.8957 - val_auc_111: 0.5083
Epoch 288/700
267/267 [=====] - 1s 3ms/step - loss: 19.6829 -
auc_111: 0.5011 - val_loss: 15.1275 - val_auc_111: 0.5010
Epoch 289/700
267/267 [=====] - 1s 3ms/step - loss: 19.5739 -
auc_111: 0.5055 - val_loss: 14.9732 - val_auc_111: 0.5086
Epoch 290/700
267/267 [=====] - 1s 3ms/step - loss: 19.9920 -
auc_111: 0.5055 - val_loss: 66.3664 - val_auc_111: 0.5017
Epoch 291/700
267/267 [=====] - 1s 3ms/step - loss: 21.5658 -
auc_111: 0.5044 - val_loss: 20.4085 - val_auc_111: 0.4916
Epoch 292/700
267/267 [=====] - 1s 3ms/step - loss: 17.7305 -
auc_111: 0.4996 - val_loss: 21.5845 - val_auc_111: 0.5080
Epoch 293/700

267/267 [=====] - 1s 3ms/step - loss: 22.1881 -
auc_111: 0.5031 - val_loss: 18.3611 - val_auc_111: 0.4897
Epoch 294/700
267/267 [=====] - 1s 3ms/step - loss: 18.9696 -
auc_111: 0.5013 - val_loss: 5.6175 - val_auc_111: 0.4930
Epoch 295/700
267/267 [=====] - 1s 3ms/step - loss: 22.4601 -
auc_111: 0.5014 - val_loss: 22.6007 - val_auc_111: 0.5036
Epoch 296/700
267/267 [=====] - 1s 3ms/step - loss: 23.3818 -
auc_111: 0.5013 - val_loss: 19.4006 - val_auc_111: 0.5040
Epoch 297/700
267/267 [=====] - 1s 3ms/step - loss: 19.4035 -
auc_111: 0.5024 - val_loss: 33.3570 - val_auc_111: 0.4966
Epoch 298/700
267/267 [=====] - 1s 3ms/step - loss: 19.0284 -
auc_111: 0.5041 - val_loss: 40.2808 - val_auc_111: 0.5096
Epoch 299/700
267/267 [=====] - 1s 3ms/step - loss: 24.6277 -
auc_111: 0.5044 - val_loss: 25.4259 - val_auc_111: 0.5011
Epoch 300/700
267/267 [=====] - 1s 3ms/step - loss: 18.6200 -
auc_111: 0.5073 - val_loss: 55.9151 - val_auc_111: 0.4910
Epoch 301/700
267/267 [=====] - 1s 3ms/step - loss: 20.3836 -
auc_111: 0.4991 - val_loss: 25.5794 - val_auc_111: 0.5108
Epoch 302/700
267/267 [=====] - 1s 3ms/step - loss: 22.8692 -
auc_111: 0.5047 - val_loss: 18.3567 - val_auc_111: 0.4899
Epoch 303/700
267/267 [=====] - 1s 3ms/step - loss: 19.3829 -
auc_111: 0.5064 - val_loss: 24.8077 - val_auc_111: 0.5038
Epoch 304/700
267/267 [=====] - 1s 3ms/step - loss: 17.5957 -
auc_111: 0.5011 - val_loss: 22.5765 - val_auc_111: 0.4997
Epoch 305/700
267/267 [=====] - 1s 3ms/step - loss: 19.4540 -
auc_111: 0.5009 - val_loss: 15.0021 - val_auc_111: 0.5032
Epoch 306/700
267/267 [=====] - 1s 3ms/step - loss: 23.9698 -
auc_111: 0.5008 - val_loss: 10.6756 - val_auc_111: 0.4961
Epoch 307/700
267/267 [=====] - 1s 3ms/step - loss: 22.5047 -
auc_111: 0.5061 - val_loss: 18.8845 - val_auc_111: 0.4924
Epoch 308/700
267/267 [=====] - 1s 3ms/step - loss: 16.6622 -
auc_111: 0.5031 - val_loss: 8.1270 - val_auc_111: 0.5059
Epoch 309/700

267/267 [=====] - 1s 3ms/step - loss: 19.6478 -
 auc_111: 0.5063 - val_loss: 19.6778 - val_auc_111: 0.4986
 Epoch 310/700
 267/267 [=====] - 1s 3ms/step - loss: 18.5861 -
 auc_111: 0.4989 - val_loss: 18.1371 - val_auc_111: 0.5058
 Epoch 311/700
 267/267 [=====] - 1s 3ms/step - loss: 22.2550 -
 auc_111: 0.4998 - val_loss: 31.4025 - val_auc_111: 0.4876
 Epoch 312/700
 267/267 [=====] - 1s 3ms/step - loss: 23.1010 -
 auc_111: 0.5058 - val_loss: 31.7491 - val_auc_111: 0.5120
 Epoch 313/700
 267/267 [=====] - 1s 3ms/step - loss: 21.1645 -
 auc_111: 0.5013 - val_loss: 18.0579 - val_auc_111: 0.4974
 Epoch 314/700
 267/267 [=====] - 1s 3ms/step - loss: 15.5984 -
 auc_111: 0.5057 - val_loss: 9.2381 - val_auc_111: 0.5138
 Epoch 315/700
 267/267 [=====] - 1s 3ms/step - loss: 17.4418 -
 auc_111: 0.5000 - val_loss: 9.4938 - val_auc_111: 0.4886
 Epoch 316/700
 267/267 [=====] - 1s 3ms/step - loss: 17.0369 -
 auc_111: 0.5023 - val_loss: 22.8395 - val_auc_111: 0.4943
 Epoch 317/700
 267/267 [=====] - 1s 3ms/step - loss: 24.4659 -
 auc_111: 0.5039 - val_loss: 10.7051 - val_auc_111: 0.5060
 Epoch 318/700
 267/267 [=====] - 1s 3ms/step - loss: 22.3896 -
 auc_111: 0.4998 - val_loss: 10.2562 - val_auc_111: 0.5053
 Epoch 319/700
 267/267 [=====] - 1s 3ms/step - loss: 19.4501 -
 auc_111: 0.5038 - val_loss: 7.1610 - val_auc_111: 0.5044
 Epoch 320/700
 267/267 [=====] - 1s 3ms/step - loss: 17.8272 -
 auc_111: 0.5043 - val_loss: 22.1468 - val_auc_111: 0.4914
 Epoch 321/700
 267/267 [=====] - 1s 3ms/step - loss: 20.5089 -
 auc_111: 0.5011 - val_loss: 25.1770 - val_auc_111: 0.4998
 Epoch 322/700
 267/267 [=====] - 1s 3ms/step - loss: 16.0302 -
 auc_111: 0.5028 - val_loss: 19.4821 - val_auc_111: 0.5071
 Epoch 323/700
 267/267 [=====] - 1s 3ms/step - loss: 20.1806 -
 auc_111: 0.5047 - val_loss: 14.8366 - val_auc_111: 0.5100
 Epoch 324/700
 267/267 [=====] - 1s 3ms/step - loss: 20.5780 -
 auc_111: 0.5023 - val_loss: 23.5561 - val_auc_111: 0.5016
 Epoch 325/700

267/267 [=====] - 1s 3ms/step - loss: 22.4107 -
auc_111: 0.5007 - val_loss: 20.5310 - val_auc_111: 0.4916
Epoch 326/700
267/267 [=====] - 1s 3ms/step - loss: 19.8050 -
auc_111: 0.5038 - val_loss: 35.1164 - val_auc_111: 0.5071
Epoch 327/700
267/267 [=====] - 1s 3ms/step - loss: 21.3724 -
auc_111: 0.5042 - val_loss: 8.5906 - val_auc_111: 0.4928
Epoch 328/700
267/267 [=====] - 1s 3ms/step - loss: 18.0711 -
auc_111: 0.5024 - val_loss: 11.6355 - val_auc_111: 0.5035
Epoch 329/700
267/267 [=====] - 1s 3ms/step - loss: 17.8293 -
auc_111: 0.5021 - val_loss: 10.9754 - val_auc_111: 0.5062
Epoch 330/700
267/267 [=====] - 1s 3ms/step - loss: 16.8878 -
auc_111: 0.5013 - val_loss: 11.0941 - val_auc_111: 0.5132
Epoch 331/700
267/267 [=====] - 1s 3ms/step - loss: 18.0550 -
auc_111: 0.5032 - val_loss: 15.4898 - val_auc_111: 0.4991
Epoch 332/700
267/267 [=====] - 1s 3ms/step - loss: 20.2973 -
auc_111: 0.4991 - val_loss: 25.1755 - val_auc_111: 0.5025
Epoch 333/700
267/267 [=====] - 1s 3ms/step - loss: 19.6023 -
auc_111: 0.5026 - val_loss: 24.5916 - val_auc_111: 0.4953
Epoch 334/700
267/267 [=====] - 1s 3ms/step - loss: 20.3090 -
auc_111: 0.5017 - val_loss: 35.9411 - val_auc_111: 0.5067
Epoch 335/700
267/267 [=====] - 1s 3ms/step - loss: 23.1587 -
auc_111: 0.5041 - val_loss: 6.1216 - val_auc_111: 0.5043
Epoch 336/700
267/267 [=====] - 1s 3ms/step - loss: 19.6289 -
auc_111: 0.4999 - val_loss: 22.8569 - val_auc_111: 0.5100
Epoch 337/700
267/267 [=====] - 1s 3ms/step - loss: 28.1230 -
auc_111: 0.5027 - val_loss: 61.4052 - val_auc_111: 0.4924
Epoch 338/700
267/267 [=====] - 1s 3ms/step - loss: 21.8359 -
auc_111: 0.5015 - val_loss: 31.9985 - val_auc_111: 0.5006
Epoch 339/700
267/267 [=====] - 1s 3ms/step - loss: 21.4639 -
auc_111: 0.5039 - val_loss: 19.9048 - val_auc_111: 0.5099
Epoch 340/700
267/267 [=====] - 1s 3ms/step - loss: 18.5889 -
auc_111: 0.5054 - val_loss: 14.0141 - val_auc_111: 0.5113
Epoch 341/700

267/267 [=====] - 1s 3ms/step - loss: 21.1459 -
auc_111: 0.5029 - val_loss: 12.7423 - val_auc_111: 0.4938
Epoch 342/700
267/267 [=====] - 1s 3ms/step - loss: 18.4531 -
auc_111: 0.5039 - val_loss: 59.7860 - val_auc_111: 0.5047
Epoch 343/700
267/267 [=====] - 1s 3ms/step - loss: 25.0659 -
auc_111: 0.5030 - val_loss: 11.6330 - val_auc_111: 0.4989
Epoch 344/700
267/267 [=====] - 1s 3ms/step - loss: 19.0359 -
auc_111: 0.5034 - val_loss: 14.2912 - val_auc_111: 0.4903
Epoch 345/700
267/267 [=====] - 1s 3ms/step - loss: 19.6424 -
auc_111: 0.5008 - val_loss: 22.0375 - val_auc_111: 0.5130
Epoch 346/700
267/267 [=====] - 1s 3ms/step - loss: 20.5432 -
auc_111: 0.5047 - val_loss: 18.1944 - val_auc_111: 0.5108
Epoch 347/700
267/267 [=====] - 1s 3ms/step - loss: 22.2885 -
auc_111: 0.5028 - val_loss: 18.3182 - val_auc_111: 0.5145
Epoch 348/700
267/267 [=====] - 1s 3ms/step - loss: 21.4698 -
auc_111: 0.5067 - val_loss: 7.9387 - val_auc_111: 0.4974
Epoch 349/700
267/267 [=====] - 1s 3ms/step - loss: 19.5022 -
auc_111: 0.5037 - val_loss: 7.6834 - val_auc_111: 0.4925
Epoch 350/700
267/267 [=====] - 1s 3ms/step - loss: 17.7075 -
auc_111: 0.5029 - val_loss: 4.0279 - val_auc_111: 0.4965
Epoch 351/700
267/267 [=====] - 1s 3ms/step - loss: 17.2142 -
auc_111: 0.5032 - val_loss: 19.4894 - val_auc_111: 0.5098
Epoch 352/700
267/267 [=====] - 1s 3ms/step - loss: 19.8987 -
auc_111: 0.5040 - val_loss: 27.7491 - val_auc_111: 0.5086
Epoch 353/700
267/267 [=====] - 1s 3ms/step - loss: 21.6561 -
auc_111: 0.5045 - val_loss: 51.0651 - val_auc_111: 0.4874
Epoch 354/700
267/267 [=====] - 1s 3ms/step - loss: 21.5869 -
auc_111: 0.5000 - val_loss: 7.5123 - val_auc_111: 0.4974
Epoch 355/700
267/267 [=====] - 1s 3ms/step - loss: 22.9600 -
auc_111: 0.5032 - val_loss: 36.9344 - val_auc_111: 0.5106
Epoch 356/700
267/267 [=====] - 1s 3ms/step - loss: 24.5698 -
auc_111: 0.5032 - val_loss: 15.4612 - val_auc_111: 0.5037
Epoch 357/700

267/267 [=====] - 1s 3ms/step - loss: 19.8759 -
auc_111: 0.5024 - val_loss: 21.3101 - val_auc_111: 0.5068
Epoch 358/700
267/267 [=====] - 1s 3ms/step - loss: 18.8363 -
auc_111: 0.5039 - val_loss: 36.6688 - val_auc_111: 0.5046
Epoch 359/700
267/267 [=====] - 1s 3ms/step - loss: 21.1021 -
auc_111: 0.5023 - val_loss: 7.2013 - val_auc_111: 0.4932
Epoch 360/700
267/267 [=====] - 1s 3ms/step - loss: 17.6113 -
auc_111: 0.5038 - val_loss: 11.3459 - val_auc_111: 0.5094
Epoch 361/700
267/267 [=====] - 1s 3ms/step - loss: 20.0684 -
auc_111: 0.5037 - val_loss: 13.6332 - val_auc_111: 0.5069
Epoch 362/700
267/267 [=====] - 1s 3ms/step - loss: 18.0091 -
auc_111: 0.5043 - val_loss: 17.2139 - val_auc_111: 0.5053
Epoch 363/700
267/267 [=====] - 1s 3ms/step - loss: 21.1243 -
auc_111: 0.5013 - val_loss: 21.7381 - val_auc_111: 0.5049
Epoch 364/700
267/267 [=====] - 1s 3ms/step - loss: 24.3831 -
auc_111: 0.5027 - val_loss: 72.5406 - val_auc_111: 0.5012
Epoch 365/700
267/267 [=====] - 1s 3ms/step - loss: 20.7601 -
auc_111: 0.5051 - val_loss: 24.3301 - val_auc_111: 0.5115
Epoch 366/700
267/267 [=====] - 1s 3ms/step - loss: 20.3329 -
auc_111: 0.4966 - val_loss: 41.3145 - val_auc_111: 0.5067
Epoch 367/700
267/267 [=====] - 1s 3ms/step - loss: 21.4857 -
auc_111: 0.5029 - val_loss: 29.5498 - val_auc_111: 0.5052
Epoch 368/700
267/267 [=====] - 1s 3ms/step - loss: 20.3581 -
auc_111: 0.5058 - val_loss: 21.5969 - val_auc_111: 0.5080
Epoch 369/700
267/267 [=====] - 1s 3ms/step - loss: 18.5243 -
auc_111: 0.5025 - val_loss: 25.8655 - val_auc_111: 0.5118
Epoch 370/700
267/267 [=====] - 1s 3ms/step - loss: 19.8736 -
auc_111: 0.5005 - val_loss: 19.5988 - val_auc_111: 0.5045
Epoch 371/700
267/267 [=====] - 1s 3ms/step - loss: 17.9641 -
auc_111: 0.5018 - val_loss: 8.7557 - val_auc_111: 0.5031
Epoch 372/700
267/267 [=====] - 1s 3ms/step - loss: 22.3954 -
auc_111: 0.5061 - val_loss: 16.4637 - val_auc_111: 0.5111
Epoch 373/700

267/267 [=====] - 1s 3ms/step - loss: 21.2550 -
auc_111: 0.5040 - val_loss: 7.8058 - val_auc_111: 0.4925
Epoch 374/700
267/267 [=====] - 1s 3ms/step - loss: 19.9625 -
auc_111: 0.5016 - val_loss: 19.0599 - val_auc_111: 0.4961
Epoch 375/700
267/267 [=====] - 1s 3ms/step - loss: 16.0357 -
auc_111: 0.5048 - val_loss: 24.9959 - val_auc_111: 0.5036
Epoch 376/700
267/267 [=====] - 1s 3ms/step - loss: 16.5719 -
auc_111: 0.5016 - val_loss: 15.5588 - val_auc_111: 0.5041
Epoch 377/700
267/267 [=====] - 1s 3ms/step - loss: 25.3880 -
auc_111: 0.5011 - val_loss: 15.5643 - val_auc_111: 0.4940
Epoch 378/700
267/267 [=====] - 1s 3ms/step - loss: 18.5313 -
auc_111: 0.5040 - val_loss: 8.0620 - val_auc_111: 0.4997
Epoch 379/700
267/267 [=====] - 1s 3ms/step - loss: 19.6369 -
auc_111: 0.5025 - val_loss: 35.8906 - val_auc_111: 0.4978
Epoch 380/700
267/267 [=====] - 1s 3ms/step - loss: 19.8657 -
auc_111: 0.5010 - val_loss: 11.4543 - val_auc_111: 0.4886
Epoch 381/700
267/267 [=====] - 1s 3ms/step - loss: 23.3265 -
auc_111: 0.5036 - val_loss: 23.0421 - val_auc_111: 0.4974
Epoch 382/700
267/267 [=====] - 1s 3ms/step - loss: 20.8764 -
auc_111: 0.5025 - val_loss: 11.1577 - val_auc_111: 0.4965
Epoch 383/700
267/267 [=====] - 1s 3ms/step - loss: 18.8015 -
auc_111: 0.5046 - val_loss: 28.4854 - val_auc_111: 0.5144
Epoch 384/700
267/267 [=====] - 1s 3ms/step - loss: 18.0749 -
auc_111: 0.5031 - val_loss: 30.5952 - val_auc_111: 0.5017
Epoch 385/700
267/267 [=====] - 1s 3ms/step - loss: 23.4776 -
auc_111: 0.5014 - val_loss: 20.8311 - val_auc_111: 0.4946
Epoch 386/700
267/267 [=====] - 1s 3ms/step - loss: 24.4110 -
auc_111: 0.5029 - val_loss: 30.5299 - val_auc_111: 0.5017
Epoch 387/700
267/267 [=====] - 1s 3ms/step - loss: 24.9181 -
auc_111: 0.4992 - val_loss: 29.5733 - val_auc_111: 0.5078
Epoch 388/700
267/267 [=====] - 1s 3ms/step - loss: 23.5012 -
auc_111: 0.5037 - val_loss: 34.7474 - val_auc_111: 0.4961
Epoch 389/700

267/267 [=====] - 1s 3ms/step - loss: 24.8371 -
auc_111: 0.4994 - val_loss: 13.2371 - val_auc_111: 0.4963
Epoch 390/700
267/267 [=====] - 1s 3ms/step - loss: 20.4947 -
auc_111: 0.5017 - val_loss: 23.1730 - val_auc_111: 0.4969
Epoch 391/700
267/267 [=====] - 1s 3ms/step - loss: 19.0717 -
auc_111: 0.4997 - val_loss: 22.5828 - val_auc_111: 0.5098
Epoch 392/700
267/267 [=====] - 1s 3ms/step - loss: 20.4178 -
auc_111: 0.5055 - val_loss: 14.2738 - val_auc_111: 0.5054
Epoch 393/700
267/267 [=====] - 1s 3ms/step - loss: 18.0162 -
auc_111: 0.5033 - val_loss: 38.6492 - val_auc_111: 0.4969
Epoch 394/700
267/267 [=====] - 1s 3ms/step - loss: 19.4504 -
auc_111: 0.5038 - val_loss: 10.5626 - val_auc_111: 0.5037
Epoch 395/700
267/267 [=====] - 1s 3ms/step - loss: 19.5301 -
auc_111: 0.5023 - val_loss: 33.0938 - val_auc_111: 0.4951
Epoch 396/700
267/267 [=====] - 1s 3ms/step - loss: 19.7476 -
auc_111: 0.5051 - val_loss: 10.2273 - val_auc_111: 0.5015
Epoch 397/700
267/267 [=====] - 1s 3ms/step - loss: 17.8821 -
auc_111: 0.5041 - val_loss: 13.1718 - val_auc_111: 0.5053
Epoch 398/700
267/267 [=====] - 1s 3ms/step - loss: 19.8627 -
auc_111: 0.5012 - val_loss: 10.8693 - val_auc_111: 0.5068
Epoch 399/700
267/267 [=====] - 1s 3ms/step - loss: 18.5460 -
auc_111: 0.5048 - val_loss: 17.6408 - val_auc_111: 0.4991
Epoch 400/700
267/267 [=====] - 1s 3ms/step - loss: 17.8067 -
auc_111: 0.5054 - val_loss: 7.2409 - val_auc_111: 0.5075
Epoch 401/700
267/267 [=====] - 1s 3ms/step - loss: 20.5430 -
auc_111: 0.5045 - val_loss: 6.2378 - val_auc_111: 0.4943
Epoch 402/700
267/267 [=====] - 1s 3ms/step - loss: 20.3103 -
auc_111: 0.5050 - val_loss: 27.8274 - val_auc_111: 0.5066
Epoch 403/700
267/267 [=====] - 1s 3ms/step - loss: 23.1474 -
auc_111: 0.5043 - val_loss: 8.5787 - val_auc_111: 0.5040
Epoch 404/700
267/267 [=====] - 1s 3ms/step - loss: 21.1337 -
auc_111: 0.5019 - val_loss: 17.9675 - val_auc_111: 0.4940
Epoch 405/700

267/267 [=====] - 1s 3ms/step - loss: 20.0127 -
auc_111: 0.5062 - val_loss: 12.9977 - val_auc_111: 0.4966
Epoch 406/700
267/267 [=====] - 1s 3ms/step - loss: 20.7122 -
auc_111: 0.5071 - val_loss: 13.7940 - val_auc_111: 0.5023
Epoch 407/700
267/267 [=====] - 1s 3ms/step - loss: 23.7892 -
auc_111: 0.5030 - val_loss: 12.3000 - val_auc_111: 0.4999
Epoch 408/700
267/267 [=====] - 1s 3ms/step - loss: 22.9620 -
auc_111: 0.4970 - val_loss: 14.9371 - val_auc_111: 0.5028
Epoch 409/700
267/267 [=====] - 1s 3ms/step - loss: 21.8136 -
auc_111: 0.5016 - val_loss: 19.2894 - val_auc_111: 0.4983
Epoch 410/700
267/267 [=====] - 1s 3ms/step - loss: 19.6028 -
auc_111: 0.5043 - val_loss: 24.4754 - val_auc_111: 0.4992
Epoch 411/700
267/267 [=====] - 1s 3ms/step - loss: 17.9697 -
auc_111: 0.5017 - val_loss: 14.3120 - val_auc_111: 0.4962
Epoch 412/700
267/267 [=====] - 1s 3ms/step - loss: 22.4649 -
auc_111: 0.4997 - val_loss: 21.3819 - val_auc_111: 0.4970
Epoch 413/700
267/267 [=====] - 1s 3ms/step - loss: 22.8865 -
auc_111: 0.5055 - val_loss: 42.1526 - val_auc_111: 0.4976
Epoch 414/700
267/267 [=====] - 1s 3ms/step - loss: 19.8780 -
auc_111: 0.5026 - val_loss: 13.4790 - val_auc_111: 0.4888
Epoch 415/700
267/267 [=====] - 1s 3ms/step - loss: 20.9465 -
auc_111: 0.5047 - val_loss: 18.6056 - val_auc_111: 0.5033
Epoch 416/700
267/267 [=====] - 1s 3ms/step - loss: 21.4837 -
auc_111: 0.4976 - val_loss: 55.4920 - val_auc_111: 0.5096
Epoch 417/700
267/267 [=====] - 1s 3ms/step - loss: 22.1165 -
auc_111: 0.5020 - val_loss: 16.5345 - val_auc_111: 0.5050
Epoch 418/700
267/267 [=====] - 1s 3ms/step - loss: 17.4677 -
auc_111: 0.5012 - val_loss: 14.6791 - val_auc_111: 0.4890
Epoch 419/700
267/267 [=====] - 1s 3ms/step - loss: 27.9220 -
auc_111: 0.5024 - val_loss: 19.0671 - val_auc_111: 0.5034
Epoch 420/700
267/267 [=====] - 1s 3ms/step - loss: 27.9414 -
auc_111: 0.5021 - val_loss: 29.2263 - val_auc_111: 0.4968
Epoch 421/700

267/267 [=====] - 1s 3ms/step - loss: 22.4667 -
auc_111: 0.5030 - val_loss: 41.0317 - val_auc_111: 0.5051
Epoch 422/700
267/267 [=====] - 1s 3ms/step - loss: 19.6200 -
auc_111: 0.5057 - val_loss: 11.3522 - val_auc_111: 0.4959
Epoch 423/700
267/267 [=====] - 1s 3ms/step - loss: 20.7611 -
auc_111: 0.5029 - val_loss: 25.5135 - val_auc_111: 0.5041
Epoch 424/700
267/267 [=====] - 1s 3ms/step - loss: 16.8353 -
auc_111: 0.5043 - val_loss: 15.3637 - val_auc_111: 0.4984
Epoch 425/700
267/267 [=====] - 1s 3ms/step - loss: 21.4314 -
auc_111: 0.5031 - val_loss: 19.2516 - val_auc_111: 0.5061
Epoch 426/700
267/267 [=====] - 1s 3ms/step - loss: 18.1139 -
auc_111: 0.5041 - val_loss: 6.8495 - val_auc_111: 0.4952
Epoch 427/700
267/267 [=====] - 1s 3ms/step - loss: 20.3723 -
auc_111: 0.4957 - val_loss: 27.8616 - val_auc_111: 0.5091
Epoch 428/700
267/267 [=====] - 1s 3ms/step - loss: 21.3465 -
auc_111: 0.5006 - val_loss: 33.0209 - val_auc_111: 0.5105
Epoch 429/700
267/267 [=====] - 1s 3ms/step - loss: 19.2634 -
auc_111: 0.5013 - val_loss: 8.1707 - val_auc_111: 0.4953
Epoch 430/700
267/267 [=====] - 1s 3ms/step - loss: 20.5879 -
auc_111: 0.5031 - val_loss: 23.8636 - val_auc_111: 0.4959
Epoch 431/700
267/267 [=====] - 1s 3ms/step - loss: 19.1906 -
auc_111: 0.4998 - val_loss: 13.9909 - val_auc_111: 0.5007
Epoch 432/700
267/267 [=====] - 1s 3ms/step - loss: 22.9850 -
auc_111: 0.5025 - val_loss: 8.9858 - val_auc_111: 0.5049
Epoch 433/700
267/267 [=====] - 1s 3ms/step - loss: 21.8645 -
auc_111: 0.4985 - val_loss: 10.7509 - val_auc_111: 0.5022
Epoch 434/700
267/267 [=====] - 1s 3ms/step - loss: 16.3406 -
auc_111: 0.5019 - val_loss: 18.7642 - val_auc_111: 0.4996
Epoch 435/700
267/267 [=====] - 1s 3ms/step - loss: 22.2038 -
auc_111: 0.5062 - val_loss: 21.9700 - val_auc_111: 0.4957
Epoch 436/700
267/267 [=====] - 1s 3ms/step - loss: 20.3633 -
auc_111: 0.5029 - val_loss: 23.7951 - val_auc_111: 0.4919
Epoch 437/700

267/267 [=====] - 1s 3ms/step - loss: 16.8331 -
auc_111: 0.5056 - val_loss: 14.8831 - val_auc_111: 0.4990
Epoch 438/700
267/267 [=====] - 1s 3ms/step - loss: 16.0387 -
auc_111: 0.5024 - val_loss: 17.2214 - val_auc_111: 0.5105
Epoch 439/700
267/267 [=====] - 1s 3ms/step - loss: 24.1005 -
auc_111: 0.5055 - val_loss: 14.5689 - val_auc_111: 0.5067
Epoch 440/700
267/267 [=====] - 1s 3ms/step - loss: 19.3674 -
auc_111: 0.5045 - val_loss: 19.0459 - val_auc_111: 0.5125
Epoch 441/700
267/267 [=====] - 1s 3ms/step - loss: 18.8796 -
auc_111: 0.5010 - val_loss: 23.9695 - val_auc_111: 0.5123
Epoch 442/700
267/267 [=====] - 1s 3ms/step - loss: 21.1336 -
auc_111: 0.5022 - val_loss: 5.0699 - val_auc_111: 0.5065
Epoch 443/700
267/267 [=====] - 1s 3ms/step - loss: 19.0749 -
auc_111: 0.5064 - val_loss: 13.9728 - val_auc_111: 0.5121
Epoch 444/700
267/267 [=====] - 1s 3ms/step - loss: 15.9168 -
auc_111: 0.5042 - val_loss: 29.0457 - val_auc_111: 0.5024
Epoch 445/700
267/267 [=====] - 1s 3ms/step - loss: 22.6829 -
auc_111: 0.4984 - val_loss: 23.0086 - val_auc_111: 0.4947
Epoch 446/700
267/267 [=====] - 1s 3ms/step - loss: 20.4263 -
auc_111: 0.5006 - val_loss: 6.9955 - val_auc_111: 0.5145
Epoch 447/700
267/267 [=====] - 1s 3ms/step - loss: 19.8019 -
auc_111: 0.4997 - val_loss: 12.5778 - val_auc_111: 0.4940
Epoch 448/700
267/267 [=====] - 1s 3ms/step - loss: 21.8286 -
auc_111: 0.5008 - val_loss: 17.0939 - val_auc_111: 0.5090
Epoch 449/700
267/267 [=====] - 1s 3ms/step - loss: 18.9464 -
auc_111: 0.5072 - val_loss: 13.5125 - val_auc_111: 0.5088
Epoch 450/700
267/267 [=====] - 1s 3ms/step - loss: 18.7902 -
auc_111: 0.5014 - val_loss: 10.2998 - val_auc_111: 0.5033
Epoch 451/700
267/267 [=====] - 1s 3ms/step - loss: 23.0035 -
auc_111: 0.5009 - val_loss: 20.3971 - val_auc_111: 0.5086
Epoch 452/700
267/267 [=====] - 1s 3ms/step - loss: 21.6600 -
auc_111: 0.5008 - val_loss: 10.8948 - val_auc_111: 0.5031
Epoch 453/700

267/267 [=====] - 1s 3ms/step - loss: 26.5245 -
auc_111: 0.5023 - val_loss: 14.4114 - val_auc_111: 0.5011
Epoch 454/700
267/267 [=====] - 1s 3ms/step - loss: 18.5569 -
auc_111: 0.5041 - val_loss: 19.9556 - val_auc_111: 0.5043
Epoch 455/700
267/267 [=====] - 1s 3ms/step - loss: 18.2439 -
auc_111: 0.5023 - val_loss: 15.9124 - val_auc_111: 0.4948
Epoch 456/700
267/267 [=====] - 1s 3ms/step - loss: 21.2670 -
auc_111: 0.5025 - val_loss: 26.6143 - val_auc_111: 0.5001
Epoch 457/700
267/267 [=====] - 1s 3ms/step - loss: 26.8739 -
auc_111: 0.5009 - val_loss: 10.1873 - val_auc_111: 0.5138
Epoch 458/700
267/267 [=====] - 1s 3ms/step - loss: 18.1956 -
auc_111: 0.5043 - val_loss: 21.7743 - val_auc_111: 0.4946
Epoch 459/700
267/267 [=====] - 1s 3ms/step - loss: 18.1206 -
auc_111: 0.5045 - val_loss: 16.6239 - val_auc_111: 0.4999
Epoch 460/700
267/267 [=====] - 1s 3ms/step - loss: 18.1899 -
auc_111: 0.5040 - val_loss: 13.0944 - val_auc_111: 0.4908
Epoch 461/700
267/267 [=====] - 1s 3ms/step - loss: 18.9712 -
auc_111: 0.5040 - val_loss: 19.5924 - val_auc_111: 0.5112
Epoch 462/700
267/267 [=====] - 1s 3ms/step - loss: 19.3345 -
auc_111: 0.5026 - val_loss: 24.0702 - val_auc_111: 0.4979
Epoch 463/700
267/267 [=====] - 1s 3ms/step - loss: 20.5803 -
auc_111: 0.5038 - val_loss: 16.3354 - val_auc_111: 0.5095
Epoch 464/700
267/267 [=====] - 1s 3ms/step - loss: 13.8214 -
auc_111: 0.5026 - val_loss: 17.4793 - val_auc_111: 0.4970
Epoch 465/700
267/267 [=====] - 1s 3ms/step - loss: 19.8561 -
auc_111: 0.5044 - val_loss: 10.0034 - val_auc_111: 0.4999
Epoch 466/700
267/267 [=====] - 1s 3ms/step - loss: 22.8442 -
auc_111: 0.5013 - val_loss: 9.4097 - val_auc_111: 0.5045
Epoch 467/700
267/267 [=====] - 1s 3ms/step - loss: 18.6859 -
auc_111: 0.5019 - val_loss: 18.4478 - val_auc_111: 0.5031
Epoch 468/700
267/267 [=====] - 1s 3ms/step - loss: 18.1033 -
auc_111: 0.5058 - val_loss: 13.3829 - val_auc_111: 0.5070
Epoch 469/700

267/267 [=====] - 1s 3ms/step - loss: 19.2192 -
 auc_111: 0.5057 - val_loss: 12.4528 - val_auc_111: 0.4934
 Epoch 470/700
 267/267 [=====] - 1s 3ms/step - loss: 19.7361 -
 auc_111: 0.5006 - val_loss: 21.6245 - val_auc_111: 0.4962
 Epoch 471/700
 267/267 [=====] - 1s 3ms/step - loss: 18.2056 -
 auc_111: 0.5027 - val_loss: 14.0874 - val_auc_111: 0.4948
 Epoch 472/700
 267/267 [=====] - 1s 3ms/step - loss: 26.6125 -
 auc_111: 0.5026 - val_loss: 16.4182 - val_auc_111: 0.5060
 Epoch 473/700
 267/267 [=====] - 1s 3ms/step - loss: 19.8868 -
 auc_111: 0.5027 - val_loss: 18.0860 - val_auc_111: 0.4995
 Epoch 474/700
 267/267 [=====] - 1s 3ms/step - loss: 20.0454 -
 auc_111: 0.5043 - val_loss: 10.8149 - val_auc_111: 0.5155
 Epoch 475/700
 267/267 [=====] - 1s 3ms/step - loss: 17.6996 -
 auc_111: 0.5060 - val_loss: 19.5743 - val_auc_111: 0.4938
 Epoch 476/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8166 -
 auc_111: 0.4993 - val_loss: 25.6471 - val_auc_111: 0.5012
 Epoch 477/700
 267/267 [=====] - 1s 3ms/step - loss: 17.1814 -
 auc_111: 0.5027 - val_loss: 12.0838 - val_auc_111: 0.5046
 Epoch 478/700
 267/267 [=====] - 1s 3ms/step - loss: 19.2842 -
 auc_111: 0.5046 - val_loss: 12.2970 - val_auc_111: 0.4947
 Epoch 479/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8615 -
 auc_111: 0.5053 - val_loss: 21.6078 - val_auc_111: 0.5015
 Epoch 480/700
 267/267 [=====] - 1s 3ms/step - loss: 21.9592 -
 auc_111: 0.5018 - val_loss: 11.2200 - val_auc_111: 0.5076
 Epoch 481/700
 267/267 [=====] - 1s 3ms/step - loss: 21.3264 -
 auc_111: 0.5035 - val_loss: 23.9673 - val_auc_111: 0.4986
 Epoch 482/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2759 -
 auc_111: 0.5046 - val_loss: 32.3658 - val_auc_111: 0.5072
 Epoch 483/700
 267/267 [=====] - 1s 3ms/step - loss: 23.4199 -
 auc_111: 0.5014 - val_loss: 10.2912 - val_auc_111: 0.5001
 Epoch 484/700
 267/267 [=====] - 1s 3ms/step - loss: 19.1628 -
 auc_111: 0.5034 - val_loss: 8.2169 - val_auc_111: 0.5061
 Epoch 485/700

267/267 [=====] - 1s 3ms/step - loss: 19.3476 -
auc_111: 0.5061 - val_loss: 21.5765 - val_auc_111: 0.4987
Epoch 486/700
267/267 [=====] - 1s 3ms/step - loss: 18.7003 -
auc_111: 0.4998 - val_loss: 21.8960 - val_auc_111: 0.5104
Epoch 487/700
267/267 [=====] - 1s 3ms/step - loss: 17.3125 -
auc_111: 0.5024 - val_loss: 35.9684 - val_auc_111: 0.5017
Epoch 488/700
267/267 [=====] - 1s 3ms/step - loss: 17.9602 -
auc_111: 0.5047 - val_loss: 10.9934 - val_auc_111: 0.5093
Epoch 489/700
267/267 [=====] - 1s 3ms/step - loss: 18.9164 -
auc_111: 0.5013 - val_loss: 22.6577 - val_auc_111: 0.4913
Epoch 490/700
267/267 [=====] - 1s 3ms/step - loss: 21.8203 -
auc_111: 0.5039 - val_loss: 14.6867 - val_auc_111: 0.5153
Epoch 491/700
267/267 [=====] - 1s 3ms/step - loss: 15.3541 -
auc_111: 0.4991 - val_loss: 23.3756 - val_auc_111: 0.4999
Epoch 492/700
267/267 [=====] - 1s 3ms/step - loss: 19.2605 -
auc_111: 0.5015 - val_loss: 23.5151 - val_auc_111: 0.5113
Epoch 493/700
267/267 [=====] - 1s 3ms/step - loss: 21.7112 -
auc_111: 0.5009 - val_loss: 17.9892 - val_auc_111: 0.5085
Epoch 494/700
267/267 [=====] - 1s 3ms/step - loss: 20.7306 -
auc_111: 0.5070 - val_loss: 11.3465 - val_auc_111: 0.4991
Epoch 495/700
267/267 [=====] - 1s 3ms/step - loss: 18.3654 -
auc_111: 0.5026 - val_loss: 15.9300 - val_auc_111: 0.4917
Epoch 496/700
267/267 [=====] - 1s 3ms/step - loss: 16.5661 -
auc_111: 0.5000 - val_loss: 21.0333 - val_auc_111: 0.4986
Epoch 497/700
267/267 [=====] - 1s 3ms/step - loss: 24.2617 -
auc_111: 0.5036 - val_loss: 23.4834 - val_auc_111: 0.4974
Epoch 498/700
267/267 [=====] - 1s 3ms/step - loss: 21.8581 -
auc_111: 0.5036 - val_loss: 20.0801 - val_auc_111: 0.5101
Epoch 499/700
267/267 [=====] - 1s 3ms/step - loss: 18.8145 -
auc_111: 0.5023 - val_loss: 31.9695 - val_auc_111: 0.5080
Epoch 500/700
267/267 [=====] - 1s 3ms/step - loss: 23.6257 -
auc_111: 0.5028 - val_loss: 9.9810 - val_auc_111: 0.4928
Epoch 501/700

267/267 [=====] - 1s 3ms/step - loss: 20.3782 -
auc_111: 0.5037 - val_loss: 28.0893 - val_auc_111: 0.5024
Epoch 502/700
267/267 [=====] - 1s 3ms/step - loss: 17.8740 -
auc_111: 0.5040 - val_loss: 38.8313 - val_auc_111: 0.4935
Epoch 503/700
267/267 [=====] - 1s 3ms/step - loss: 17.0980 -
auc_111: 0.5043 - val_loss: 26.2793 - val_auc_111: 0.5040
Epoch 504/700
267/267 [=====] - 1s 3ms/step - loss: 21.3494 -
auc_111: 0.5005 - val_loss: 13.4031 - val_auc_111: 0.4930
Epoch 505/700
267/267 [=====] - 1s 3ms/step - loss: 19.9469 -
auc_111: 0.5024 - val_loss: 7.2106 - val_auc_111: 0.4966
Epoch 506/700
267/267 [=====] - 1s 3ms/step - loss: 20.2293 -
auc_111: 0.5018 - val_loss: 16.9935 - val_auc_111: 0.5014
Epoch 507/700
267/267 [=====] - 1s 3ms/step - loss: 23.6523 -
auc_111: 0.5026 - val_loss: 18.1764 - val_auc_111: 0.5070
Epoch 508/700
267/267 [=====] - 1s 3ms/step - loss: 22.5043 -
auc_111: 0.4998 - val_loss: 25.5515 - val_auc_111: 0.4986
Epoch 509/700
267/267 [=====] - 1s 3ms/step - loss: 17.9490 -
auc_111: 0.5042 - val_loss: 20.3578 - val_auc_111: 0.5036
Epoch 510/700
267/267 [=====] - 1s 3ms/step - loss: 19.2231 -
auc_111: 0.5030 - val_loss: 23.2508 - val_auc_111: 0.5039
Epoch 511/700
267/267 [=====] - 1s 3ms/step - loss: 16.6518 -
auc_111: 0.5053 - val_loss: 19.4817 - val_auc_111: 0.4945
Epoch 512/700
267/267 [=====] - 1s 3ms/step - loss: 15.9183 -
auc_111: 0.4980 - val_loss: 10.0740 - val_auc_111: 0.5008
Epoch 513/700
267/267 [=====] - 1s 3ms/step - loss: 21.9914 -
auc_111: 0.5031 - val_loss: 17.4256 - val_auc_111: 0.4995
Epoch 514/700
267/267 [=====] - 1s 3ms/step - loss: 19.0111 -
auc_111: 0.5034 - val_loss: 33.3982 - val_auc_111: 0.4918
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 18.8229 -
auc_111: 0.5026 - val_loss: 19.1897 - val_auc_111: 0.5037
Epoch 516/700
267/267 [=====] - 1s 3ms/step - loss: 20.1442 -
auc_111: 0.5048 - val_loss: 13.2765 - val_auc_111: 0.4985
Epoch 517/700

267/267 [=====] - 1s 3ms/step - loss: 19.2368 -
auc_111: 0.5040 - val_loss: 8.6227 - val_auc_111: 0.4993
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 18.6519 -
auc_111: 0.5078 - val_loss: 15.3453 - val_auc_111: 0.5092
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 16.4918 -
auc_111: 0.5044 - val_loss: 27.8531 - val_auc_111: 0.5079
Epoch 520/700
267/267 [=====] - 1s 3ms/step - loss: 21.5144 -
auc_111: 0.5049 - val_loss: 16.9023 - val_auc_111: 0.5067
Epoch 521/700
267/267 [=====] - 1s 3ms/step - loss: 19.9208 -
auc_111: 0.4987 - val_loss: 10.3866 - val_auc_111: 0.4951
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 19.3136 -
auc_111: 0.5037 - val_loss: 3.8168 - val_auc_111: 0.4987
Epoch 523/700
267/267 [=====] - 1s 3ms/step - loss: 20.8741 -
auc_111: 0.5023 - val_loss: 8.0062 - val_auc_111: 0.5047
Epoch 524/700
267/267 [=====] - 1s 3ms/step - loss: 19.5213 -
auc_111: 0.5031 - val_loss: 21.7688 - val_auc_111: 0.4998
Epoch 525/700
267/267 [=====] - 1s 3ms/step - loss: 18.2860 -
auc_111: 0.5003 - val_loss: 35.1132 - val_auc_111: 0.5034
Epoch 526/700
267/267 [=====] - 1s 3ms/step - loss: 19.8481 -
auc_111: 0.5045 - val_loss: 12.3975 - val_auc_111: 0.5038
Epoch 527/700
267/267 [=====] - 1s 3ms/step - loss: 19.5586 -
auc_111: 0.5046 - val_loss: 14.1364 - val_auc_111: 0.4968
Epoch 528/700
267/267 [=====] - 1s 3ms/step - loss: 18.8139 -
auc_111: 0.5015 - val_loss: 24.5673 - val_auc_111: 0.5009
Epoch 529/700
267/267 [=====] - 1s 3ms/step - loss: 23.6811 -
auc_111: 0.5030 - val_loss: 10.8685 - val_auc_111: 0.5107
Epoch 530/700
267/267 [=====] - 1s 3ms/step - loss: 21.0442 -
auc_111: 0.5038 - val_loss: 29.5780 - val_auc_111: 0.5088
Epoch 531/700
267/267 [=====] - 1s 3ms/step - loss: 17.0087 -
auc_111: 0.5011 - val_loss: 15.2883 - val_auc_111: 0.5057
Epoch 532/700
267/267 [=====] - 1s 3ms/step - loss: 22.2955 -
auc_111: 0.5020 - val_loss: 4.7845 - val_auc_111: 0.4937
Epoch 533/700

267/267 [=====] - 1s 3ms/step - loss: 19.3957 -
 auc_111: 0.5004 - val_loss: 36.8389 - val_auc_111: 0.4913
 Epoch 534/700
 267/267 [=====] - 1s 3ms/step - loss: 22.4888 -
 auc_111: 0.5036 - val_loss: 5.4150 - val_auc_111: 0.4949
 Epoch 535/700
 267/267 [=====] - 1s 3ms/step - loss: 16.4736 -
 auc_111: 0.5063 - val_loss: 33.7667 - val_auc_111: 0.5042
 Epoch 536/700
 267/267 [=====] - 1s 3ms/step - loss: 19.7674 -
 auc_111: 0.5034 - val_loss: 10.3970 - val_auc_111: 0.5081
 Epoch 537/700
 267/267 [=====] - 1s 3ms/step - loss: 27.1953 -
 auc_111: 0.5016 - val_loss: 14.8040 - val_auc_111: 0.4982
 Epoch 538/700
 267/267 [=====] - 1s 3ms/step - loss: 19.9520 -
 auc_111: 0.5054 - val_loss: 9.0473 - val_auc_111: 0.4957
 Epoch 539/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6834 -
 auc_111: 0.5001 - val_loss: 20.9329 - val_auc_111: 0.5138
 Epoch 540/700
 267/267 [=====] - 1s 3ms/step - loss: 21.7598 -
 auc_111: 0.5027 - val_loss: 22.9300 - val_auc_111: 0.4988
 Epoch 541/700
 267/267 [=====] - 1s 3ms/step - loss: 21.0185 -
 auc_111: 0.4994 - val_loss: 29.7116 - val_auc_111: 0.4976
 Epoch 542/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3245 -
 auc_111: 0.5013 - val_loss: 17.9665 - val_auc_111: 0.4994
 Epoch 543/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0018 -
 auc_111: 0.5032 - val_loss: 9.6839 - val_auc_111: 0.5120
 Epoch 544/700
 267/267 [=====] - 1s 3ms/step - loss: 20.1948 -
 auc_111: 0.5010 - val_loss: 8.9541 - val_auc_111: 0.4833
 Epoch 545/700
 267/267 [=====] - 1s 3ms/step - loss: 17.3428 -
 auc_111: 0.5024 - val_loss: 13.6394 - val_auc_111: 0.5041
 Epoch 546/700
 267/267 [=====] - 1s 3ms/step - loss: 17.2560 -
 auc_111: 0.5038 - val_loss: 18.1403 - val_auc_111: 0.5118
 Epoch 547/700
 267/267 [=====] - 1s 3ms/step - loss: 23.3027 -
 auc_111: 0.5004 - val_loss: 16.5244 - val_auc_111: 0.4965
 Epoch 548/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2277 -
 auc_111: 0.5012 - val_loss: 10.8391 - val_auc_111: 0.5070
 Epoch 549/700

267/267 [=====] - 1s 3ms/step - loss: 19.5120 -
auc_111: 0.5055 - val_loss: 30.5029 - val_auc_111: 0.5027
Epoch 550/700
267/267 [=====] - 1s 3ms/step - loss: 19.4156 -
auc_111: 0.5060 - val_loss: 19.8537 - val_auc_111: 0.4969
Epoch 551/700
267/267 [=====] - 1s 3ms/step - loss: 24.5660 -
auc_111: 0.5018 - val_loss: 5.2875 - val_auc_111: 0.5052
Epoch 552/700
267/267 [=====] - 1s 3ms/step - loss: 15.5226 -
auc_111: 0.5038 - val_loss: 7.5173 - val_auc_111: 0.4959
Epoch 553/700
267/267 [=====] - 1s 3ms/step - loss: 18.1950 -
auc_111: 0.5073 - val_loss: 11.8961 - val_auc_111: 0.5039
Epoch 554/700
267/267 [=====] - 1s 3ms/step - loss: 21.6262 -
auc_111: 0.5024 - val_loss: 16.1291 - val_auc_111: 0.5059
Epoch 555/700
267/267 [=====] - 1s 3ms/step - loss: 18.4745 -
auc_111: 0.5034 - val_loss: 18.6185 - val_auc_111: 0.5067
Epoch 556/700
267/267 [=====] - 1s 3ms/step - loss: 19.5191 -
auc_111: 0.5007 - val_loss: 14.9048 - val_auc_111: 0.5030
Epoch 557/700
267/267 [=====] - 1s 3ms/step - loss: 22.4825 -
auc_111: 0.4993 - val_loss: 17.8422 - val_auc_111: 0.5050
Epoch 558/700
267/267 [=====] - 1s 3ms/step - loss: 21.2865 -
auc_111: 0.5046 - val_loss: 16.8820 - val_auc_111: 0.4864
Epoch 559/700
267/267 [=====] - 1s 3ms/step - loss: 20.9474 -
auc_111: 0.5018 - val_loss: 8.7089 - val_auc_111: 0.4982
Epoch 560/700
267/267 [=====] - 1s 3ms/step - loss: 17.3870 -
auc_111: 0.5039 - val_loss: 16.0616 - val_auc_111: 0.5075
Epoch 561/700
267/267 [=====] - 1s 3ms/step - loss: 20.8070 -
auc_111: 0.4997 - val_loss: 14.2348 - val_auc_111: 0.5098
Epoch 562/700
267/267 [=====] - 1s 3ms/step - loss: 18.8969 -
auc_111: 0.5026 - val_loss: 5.9255 - val_auc_111: 0.4904
Epoch 563/700
267/267 [=====] - 1s 3ms/step - loss: 17.1629 -
auc_111: 0.5010 - val_loss: 14.5355 - val_auc_111: 0.4989
Epoch 564/700
267/267 [=====] - 1s 3ms/step - loss: 16.1592 -
auc_111: 0.5038 - val_loss: 14.5616 - val_auc_111: 0.5121
Epoch 565/700

267/267 [=====] - 1s 3ms/step - loss: 17.5089 -
 auc_111: 0.5052 - val_loss: 7.1751 - val_auc_111: 0.4976
 Epoch 566/700
 267/267 [=====] - 1s 3ms/step - loss: 22.2469 -
 auc_111: 0.5023 - val_loss: 11.3085 - val_auc_111: 0.5016
 Epoch 567/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4040 -
 auc_111: 0.5027 - val_loss: 11.8541 - val_auc_111: 0.4894
 Epoch 568/700
 267/267 [=====] - 1s 3ms/step - loss: 16.9521 -
 auc_111: 0.5060 - val_loss: 7.6103 - val_auc_111: 0.4856
 Epoch 569/700
 267/267 [=====] - 1s 3ms/step - loss: 15.2670 -
 auc_111: 0.5023 - val_loss: 13.3217 - val_auc_111: 0.5123
 Epoch 570/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1973 -
 auc_111: 0.5043 - val_loss: 25.2120 - val_auc_111: 0.5031
 Epoch 571/700
 267/267 [=====] - 1s 3ms/step - loss: 23.0594 -
 auc_111: 0.5029 - val_loss: 28.7124 - val_auc_111: 0.5050
 Epoch 572/700
 267/267 [=====] - 1s 3ms/step - loss: 21.1724 -
 auc_111: 0.5030 - val_loss: 19.0526 - val_auc_111: 0.5026
 Epoch 573/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6653 -
 auc_111: 0.5047 - val_loss: 15.0104 - val_auc_111: 0.4999
 Epoch 574/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0912 -
 auc_111: 0.5011 - val_loss: 11.8021 - val_auc_111: 0.5046
 Epoch 575/700
 267/267 [=====] - 1s 3ms/step - loss: 20.8981 -
 auc_111: 0.5042 - val_loss: 19.1768 - val_auc_111: 0.5051
 Epoch 576/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2926 -
 auc_111: 0.5039 - val_loss: 36.2925 - val_auc_111: 0.5116
 Epoch 577/700
 267/267 [=====] - 1s 3ms/step - loss: 23.7065 -
 auc_111: 0.5019 - val_loss: 10.3715 - val_auc_111: 0.5069
 Epoch 578/700
 267/267 [=====] - 1s 3ms/step - loss: 17.7810 -
 auc_111: 0.5017 - val_loss: 31.3584 - val_auc_111: 0.5102
 Epoch 579/700
 267/267 [=====] - 1s 3ms/step - loss: 22.3331 -
 auc_111: 0.5024 - val_loss: 9.1631 - val_auc_111: 0.5095
 Epoch 580/700
 267/267 [=====] - 1s 3ms/step - loss: 16.5161 -
 auc_111: 0.5048 - val_loss: 15.0951 - val_auc_111: 0.5094
 Epoch 581/700

267/267 [=====] - 1s 3ms/step - loss: 25.7012 -
auc_111: 0.4974 - val_loss: 15.7834 - val_auc_111: 0.5122
Epoch 582/700
267/267 [=====] - 1s 3ms/step - loss: 19.9391 -
auc_111: 0.5062 - val_loss: 25.6060 - val_auc_111: 0.4952
Epoch 583/700
267/267 [=====] - 1s 3ms/step - loss: 17.6978 -
auc_111: 0.4997 - val_loss: 16.2416 - val_auc_111: 0.5041
Epoch 584/700
267/267 [=====] - 1s 3ms/step - loss: 22.4408 -
auc_111: 0.5039 - val_loss: 14.6164 - val_auc_111: 0.4917
Epoch 585/700
267/267 [=====] - 1s 3ms/step - loss: 19.5490 -
auc_111: 0.5002 - val_loss: 30.9950 - val_auc_111: 0.4985
Epoch 586/700
267/267 [=====] - 1s 3ms/step - loss: 19.7451 -
auc_111: 0.5004 - val_loss: 14.2852 - val_auc_111: 0.4964
Epoch 587/700
267/267 [=====] - 1s 3ms/step - loss: 21.8229 -
auc_111: 0.5015 - val_loss: 15.1802 - val_auc_111: 0.4988
Epoch 588/700
267/267 [=====] - 1s 3ms/step - loss: 18.0980 -
auc_111: 0.4993 - val_loss: 7.8535 - val_auc_111: 0.5050
Epoch 589/700
267/267 [=====] - 1s 3ms/step - loss: 22.0442 -
auc_111: 0.5035 - val_loss: 8.3881 - val_auc_111: 0.4967
Epoch 590/700
267/267 [=====] - 1s 3ms/step - loss: 19.6461 -
auc_111: 0.5043 - val_loss: 10.4354 - val_auc_111: 0.5014
Epoch 591/700
267/267 [=====] - 1s 3ms/step - loss: 17.5854 -
auc_111: 0.5039 - val_loss: 30.8011 - val_auc_111: 0.4952
Epoch 592/700
267/267 [=====] - 1s 3ms/step - loss: 20.9272 -
auc_111: 0.5039 - val_loss: 20.4110 - val_auc_111: 0.4900
Epoch 593/700
267/267 [=====] - 1s 3ms/step - loss: 20.3902 -
auc_111: 0.4991 - val_loss: 41.4552 - val_auc_111: 0.4863
Epoch 594/700
267/267 [=====] - 1s 3ms/step - loss: 20.5124 -
auc_111: 0.5015 - val_loss: 21.3599 - val_auc_111: 0.4924
Epoch 595/700
267/267 [=====] - 1s 3ms/step - loss: 16.1494 -
auc_111: 0.5019 - val_loss: 21.8854 - val_auc_111: 0.5047
Epoch 596/700
267/267 [=====] - 1s 3ms/step - loss: 21.3989 -
auc_111: 0.5013 - val_loss: 37.1345 - val_auc_111: 0.5007
Epoch 597/700

267/267 [=====] - 1s 3ms/step - loss: 22.5402 -
auc_111: 0.5003 - val_loss: 45.6057 - val_auc_111: 0.5024
Epoch 598/700
267/267 [=====] - 1s 3ms/step - loss: 20.4462 -
auc_111: 0.5025 - val_loss: 16.7835 - val_auc_111: 0.4995
Epoch 599/700
267/267 [=====] - 1s 3ms/step - loss: 17.4653 -
auc_111: 0.5057 - val_loss: 10.4257 - val_auc_111: 0.4935
Epoch 600/700
267/267 [=====] - 1s 3ms/step - loss: 24.3661 -
auc_111: 0.5013 - val_loss: 28.7744 - val_auc_111: 0.5028
Epoch 601/700
267/267 [=====] - 1s 3ms/step - loss: 22.2478 -
auc_111: 0.5042 - val_loss: 19.8405 - val_auc_111: 0.5062
Epoch 602/700
267/267 [=====] - 1s 3ms/step - loss: 20.2069 -
auc_111: 0.5017 - val_loss: 18.1072 - val_auc_111: 0.4896
Epoch 603/700
267/267 [=====] - 1s 3ms/step - loss: 18.0184 -
auc_111: 0.5011 - val_loss: 37.1749 - val_auc_111: 0.4884
Epoch 604/700
267/267 [=====] - 1s 3ms/step - loss: 18.1403 -
auc_111: 0.5027 - val_loss: 19.2516 - val_auc_111: 0.5014
Epoch 605/700
267/267 [=====] - 1s 3ms/step - loss: 21.6438 -
auc_111: 0.4994 - val_loss: 16.0326 - val_auc_111: 0.4984
Epoch 606/700
267/267 [=====] - 1s 3ms/step - loss: 20.5394 -
auc_111: 0.5048 - val_loss: 9.0098 - val_auc_111: 0.5031
Epoch 607/700
267/267 [=====] - 1s 3ms/step - loss: 19.7940 -
auc_111: 0.5030 - val_loss: 16.7434 - val_auc_111: 0.5052
Epoch 608/700
267/267 [=====] - 1s 3ms/step - loss: 18.9099 -
auc_111: 0.5028 - val_loss: 15.6688 - val_auc_111: 0.5039
Epoch 609/700
267/267 [=====] - 1s 3ms/step - loss: 20.2251 -
auc_111: 0.4996 - val_loss: 24.5105 - val_auc_111: 0.5021
Epoch 610/700
267/267 [=====] - 1s 3ms/step - loss: 17.7934 -
auc_111: 0.5043 - val_loss: 22.2267 - val_auc_111: 0.5040
Epoch 611/700
267/267 [=====] - 1s 3ms/step - loss: 22.1464 -
auc_111: 0.5034 - val_loss: 44.5341 - val_auc_111: 0.4986
Epoch 612/700
267/267 [=====] - 1s 3ms/step - loss: 17.6916 -
auc_111: 0.5062 - val_loss: 22.4576 - val_auc_111: 0.4999
Epoch 613/700

267/267 [=====] - 1s 3ms/step - loss: 21.7922 -
auc_111: 0.5080 - val_loss: 13.0869 - val_auc_111: 0.5020
Epoch 614/700
267/267 [=====] - 1s 3ms/step - loss: 22.4098 -
auc_111: 0.5035 - val_loss: 17.3501 - val_auc_111: 0.4907
Epoch 615/700
267/267 [=====] - 1s 3ms/step - loss: 19.1954 -
auc_111: 0.4996 - val_loss: 23.4189 - val_auc_111: 0.5076
Epoch 616/700
267/267 [=====] - 1s 3ms/step - loss: 20.1762 -
auc_111: 0.5058 - val_loss: 25.8064 - val_auc_111: 0.5101
Epoch 617/700
267/267 [=====] - 1s 3ms/step - loss: 21.8021 -
auc_111: 0.5011 - val_loss: 25.1385 - val_auc_111: 0.5086
Epoch 618/700
267/267 [=====] - 1s 3ms/step - loss: 20.1293 -
auc_111: 0.5022 - val_loss: 16.3081 - val_auc_111: 0.4953
Epoch 619/700
267/267 [=====] - 1s 3ms/step - loss: 17.7174 -
auc_111: 0.5030 - val_loss: 17.0041 - val_auc_111: 0.4958
Epoch 620/700
267/267 [=====] - 1s 3ms/step - loss: 20.2381 -
auc_111: 0.5059 - val_loss: 38.6019 - val_auc_111: 0.5109
Epoch 621/700
267/267 [=====] - 1s 3ms/step - loss: 21.3190 -
auc_111: 0.5060 - val_loss: 23.2027 - val_auc_111: 0.4990
Epoch 622/700
267/267 [=====] - 1s 3ms/step - loss: 16.8684 -
auc_111: 0.5040 - val_loss: 18.6343 - val_auc_111: 0.4936
Epoch 623/700
267/267 [=====] - 1s 3ms/step - loss: 17.3189 -
auc_111: 0.5052 - val_loss: 9.6348 - val_auc_111: 0.5080
Epoch 624/700
267/267 [=====] - 1s 3ms/step - loss: 18.0202 -
auc_111: 0.5026 - val_loss: 10.1174 - val_auc_111: 0.4977
Epoch 625/700
267/267 [=====] - 1s 3ms/step - loss: 20.4963 -
auc_111: 0.5007 - val_loss: 21.1738 - val_auc_111: 0.4962
Epoch 626/700
267/267 [=====] - 1s 3ms/step - loss: 18.3488 -
auc_111: 0.5057 - val_loss: 15.3705 - val_auc_111: 0.5027
Epoch 627/700
267/267 [=====] - 1s 3ms/step - loss: 20.6847 -
auc_111: 0.4982 - val_loss: 57.2267 - val_auc_111: 0.5026
Epoch 628/700
267/267 [=====] - 1s 3ms/step - loss: 19.0018 -
auc_111: 0.5044 - val_loss: 22.0056 - val_auc_111: 0.4996
Epoch 629/700

267/267 [=====] - 1s 3ms/step - loss: 18.1097 -
auc_111: 0.5022 - val_loss: 12.2998 - val_auc_111: 0.5031
Epoch 630/700
267/267 [=====] - 1s 3ms/step - loss: 18.8506 -
auc_111: 0.5056 - val_loss: 9.6341 - val_auc_111: 0.4884
Epoch 631/700
267/267 [=====] - 1s 3ms/step - loss: 18.6326 -
auc_111: 0.5047 - val_loss: 12.8374 - val_auc_111: 0.4848
Epoch 632/700
267/267 [=====] - 1s 3ms/step - loss: 18.7204 -
auc_111: 0.5011 - val_loss: 9.5645 - val_auc_111: 0.5053
Epoch 633/700
267/267 [=====] - 1s 3ms/step - loss: 16.7127 -
auc_111: 0.5022 - val_loss: 10.8910 - val_auc_111: 0.5015
Epoch 634/700
267/267 [=====] - 1s 3ms/step - loss: 20.8477 -
auc_111: 0.5051 - val_loss: 29.4209 - val_auc_111: 0.5152
Epoch 635/700
267/267 [=====] - 1s 3ms/step - loss: 25.8382 -
auc_111: 0.5027 - val_loss: 21.4261 - val_auc_111: 0.5089
Epoch 636/700
267/267 [=====] - 1s 3ms/step - loss: 26.6360 -
auc_111: 0.5011 - val_loss: 21.3779 - val_auc_111: 0.5107
Epoch 637/700
267/267 [=====] - 1s 3ms/step - loss: 18.3140 -
auc_111: 0.5052 - val_loss: 28.2553 - val_auc_111: 0.4893
Epoch 638/700
267/267 [=====] - 1s 3ms/step - loss: 21.5598 -
auc_111: 0.5030 - val_loss: 32.7807 - val_auc_111: 0.4972
Epoch 639/700
267/267 [=====] - 1s 3ms/step - loss: 18.2795 -
auc_111: 0.5051 - val_loss: 15.7363 - val_auc_111: 0.4993
Epoch 640/700
267/267 [=====] - 1s 3ms/step - loss: 18.4821 -
auc_111: 0.5050 - val_loss: 23.1826 - val_auc_111: 0.5041
Epoch 641/700
267/267 [=====] - 1s 3ms/step - loss: 21.2456 -
auc_111: 0.5038 - val_loss: 10.4225 - val_auc_111: 0.5123
Epoch 642/700
267/267 [=====] - 1s 3ms/step - loss: 23.8221 -
auc_111: 0.5019 - val_loss: 9.0763 - val_auc_111: 0.4910
Epoch 643/700
267/267 [=====] - 1s 3ms/step - loss: 21.1571 -
auc_111: 0.5057 - val_loss: 16.8471 - val_auc_111: 0.5064
Epoch 644/700
267/267 [=====] - 1s 3ms/step - loss: 19.6693 -
auc_111: 0.5031 - val_loss: 29.9768 - val_auc_111: 0.5016
Epoch 645/700

267/267 [=====] - 1s 3ms/step - loss: 24.6047 -
auc_111: 0.5025 - val_loss: 10.7578 - val_auc_111: 0.5017
Epoch 646/700
267/267 [=====] - 1s 3ms/step - loss: 20.8426 -
auc_111: 0.5024 - val_loss: 30.8518 - val_auc_111: 0.4951
Epoch 647/700
267/267 [=====] - 1s 3ms/step - loss: 19.2966 -
auc_111: 0.5035 - val_loss: 13.1771 - val_auc_111: 0.4981
Epoch 648/700
267/267 [=====] - 1s 3ms/step - loss: 23.1340 -
auc_111: 0.4995 - val_loss: 31.5424 - val_auc_111: 0.5086
Epoch 649/700
267/267 [=====] - 1s 3ms/step - loss: 22.1191 -
auc_111: 0.5004 - val_loss: 33.2343 - val_auc_111: 0.4988
Epoch 650/700
267/267 [=====] - 1s 3ms/step - loss: 19.1627 -
auc_111: 0.5026 - val_loss: 26.3626 - val_auc_111: 0.4958
Epoch 651/700
267/267 [=====] - 1s 3ms/step - loss: 18.7575 -
auc_111: 0.5037 - val_loss: 5.6256 - val_auc_111: 0.4935
Epoch 652/700
267/267 [=====] - 1s 3ms/step - loss: 19.8695 -
auc_111: 0.5028 - val_loss: 28.2848 - val_auc_111: 0.4988
Epoch 653/700
267/267 [=====] - 1s 3ms/step - loss: 21.6268 -
auc_111: 0.5013 - val_loss: 22.3517 - val_auc_111: 0.5101
Epoch 654/700
267/267 [=====] - 1s 3ms/step - loss: 20.4493 -
auc_111: 0.5032 - val_loss: 13.7303 - val_auc_111: 0.5173
Epoch 655/700
267/267 [=====] - 1s 3ms/step - loss: 18.7503 -
auc_111: 0.5038 - val_loss: 21.0193 - val_auc_111: 0.5056
Epoch 656/700
267/267 [=====] - 1s 3ms/step - loss: 24.4203 -
auc_111: 0.5081 - val_loss: 23.1637 - val_auc_111: 0.4927
Epoch 657/700
267/267 [=====] - 1s 3ms/step - loss: 20.3369 -
auc_111: 0.5037 - val_loss: 27.5584 - val_auc_111: 0.5021
Epoch 658/700
267/267 [=====] - 1s 3ms/step - loss: 19.7687 -
auc_111: 0.5014 - val_loss: 37.3930 - val_auc_111: 0.4871
Epoch 659/700
267/267 [=====] - 1s 3ms/step - loss: 24.0232 -
auc_111: 0.4984 - val_loss: 36.8899 - val_auc_111: 0.5035
Epoch 660/700
267/267 [=====] - 1s 3ms/step - loss: 23.6403 -
auc_111: 0.5052 - val_loss: 12.6804 - val_auc_111: 0.5078
Epoch 661/700

267/267 [=====] - 1s 3ms/step - loss: 16.2115 -
 auc_111: 0.5037 - val_loss: 8.3111 - val_auc_111: 0.5110
 Epoch 662/700
 267/267 [=====] - 1s 3ms/step - loss: 16.2657 -
 auc_111: 0.5035 - val_loss: 21.9095 - val_auc_111: 0.5144
 Epoch 663/700
 267/267 [=====] - 1s 3ms/step - loss: 30.0143 -
 auc_111: 0.5029 - val_loss: 17.1781 - val_auc_111: 0.5008
 Epoch 664/700
 267/267 [=====] - 1s 3ms/step - loss: 21.3391 -
 auc_111: 0.5014 - val_loss: 18.0639 - val_auc_111: 0.5059
 Epoch 665/700
 267/267 [=====] - 1s 3ms/step - loss: 18.2500 -
 auc_111: 0.5054 - val_loss: 18.2073 - val_auc_111: 0.4866
 Epoch 666/700
 267/267 [=====] - 1s 3ms/step - loss: 16.5213 -
 auc_111: 0.5047 - val_loss: 12.0694 - val_auc_111: 0.5057
 Epoch 667/700
 267/267 [=====] - 1s 3ms/step - loss: 17.2548 -
 auc_111: 0.5028 - val_loss: 17.5378 - val_auc_111: 0.5048
 Epoch 668/700
 267/267 [=====] - 1s 3ms/step - loss: 18.2605 -
 auc_111: 0.5043 - val_loss: 33.6891 - val_auc_111: 0.5059
 Epoch 669/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3111 -
 auc_111: 0.5029 - val_loss: 15.4015 - val_auc_111: 0.4795
 Epoch 670/700
 267/267 [=====] - 1s 3ms/step - loss: 22.0735 -
 auc_111: 0.5033 - val_loss: 19.2897 - val_auc_111: 0.5041
 Epoch 671/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8610 -
 auc_111: 0.5024 - val_loss: 13.9070 - val_auc_111: 0.5081
 Epoch 672/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6342 -
 auc_111: 0.5029 - val_loss: 20.1180 - val_auc_111: 0.5047
 Epoch 673/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0442 -
 auc_111: 0.5006 - val_loss: 22.9245 - val_auc_111: 0.5042
 Epoch 674/700
 267/267 [=====] - 1s 3ms/step - loss: 19.8020 -
 auc_111: 0.5024 - val_loss: 29.7701 - val_auc_111: 0.5056
 Epoch 675/700
 267/267 [=====] - 1s 3ms/step - loss: 18.4924 -
 auc_111: 0.5019 - val_loss: 12.9011 - val_auc_111: 0.5060
 Epoch 676/700
 267/267 [=====] - 1s 3ms/step - loss: 16.9634 -
 auc_111: 0.5038 - val_loss: 23.7160 - val_auc_111: 0.4978
 Epoch 677/700

267/267 [=====] - 1s 3ms/step - loss: 19.7471 -
auc_111: 0.5021 - val_loss: 51.6884 - val_auc_111: 0.5098
Epoch 678/700
267/267 [=====] - 1s 3ms/step - loss: 26.1943 -
auc_111: 0.5003 - val_loss: 17.5425 - val_auc_111: 0.4931
Epoch 679/700
267/267 [=====] - 1s 3ms/step - loss: 22.5958 -
auc_111: 0.5016 - val_loss: 42.0247 - val_auc_111: 0.4925
Epoch 680/700
267/267 [=====] - 1s 3ms/step - loss: 21.0844 -
auc_111: 0.5024 - val_loss: 18.9544 - val_auc_111: 0.5128
Epoch 681/700
267/267 [=====] - 1s 3ms/step - loss: 19.6929 -
auc_111: 0.4963 - val_loss: 40.5720 - val_auc_111: 0.5080
Epoch 682/700
267/267 [=====] - 1s 3ms/step - loss: 19.8295 -
auc_111: 0.5036 - val_loss: 16.9605 - val_auc_111: 0.4860
Epoch 683/700
267/267 [=====] - 1s 3ms/step - loss: 22.8633 -
auc_111: 0.5012 - val_loss: 29.2944 - val_auc_111: 0.4964
Epoch 684/700
267/267 [=====] - 1s 3ms/step - loss: 19.7821 -
auc_111: 0.4972 - val_loss: 15.3583 - val_auc_111: 0.5110
Epoch 685/700
267/267 [=====] - 1s 3ms/step - loss: 19.6685 -
auc_111: 0.5054 - val_loss: 15.8705 - val_auc_111: 0.5027
Epoch 686/700
267/267 [=====] - 1s 3ms/step - loss: 25.3051 -
auc_111: 0.5031 - val_loss: 26.2863 - val_auc_111: 0.4915
Epoch 687/700
267/267 [=====] - 1s 3ms/step - loss: 22.1486 -
auc_111: 0.5074 - val_loss: 16.1528 - val_auc_111: 0.4981
Epoch 688/700
267/267 [=====] - 1s 3ms/step - loss: 19.0999 -
auc_111: 0.5056 - val_loss: 30.8754 - val_auc_111: 0.5065
Epoch 689/700
267/267 [=====] - 1s 3ms/step - loss: 21.0684 -
auc_111: 0.5023 - val_loss: 31.9305 - val_auc_111: 0.5043
Epoch 690/700
267/267 [=====] - 1s 3ms/step - loss: 22.1296 -
auc_111: 0.5032 - val_loss: 27.8203 - val_auc_111: 0.5121
Epoch 691/700
267/267 [=====] - 1s 3ms/step - loss: 20.0774 -
auc_111: 0.5055 - val_loss: 24.8040 - val_auc_111: 0.5117
Epoch 692/700
267/267 [=====] - 1s 3ms/step - loss: 19.9962 -
auc_111: 0.5059 - val_loss: 19.9151 - val_auc_111: 0.4949
Epoch 693/700

267/267 [=====] - 1s 3ms/step - loss: 22.5142 -
 auc_111: 0.5012 - val_loss: 18.6271 - val_auc_111: 0.5012
 Epoch 694/700
 267/267 [=====] - 1s 3ms/step - loss: 23.0522 -
 auc_111: 0.5017 - val_loss: 16.8184 - val_auc_111: 0.5059
 Epoch 695/700
 267/267 [=====] - 1s 3ms/step - loss: 23.2223 -
 auc_111: 0.5072 - val_loss: 30.3345 - val_auc_111: 0.5044
 Epoch 696/700
 267/267 [=====] - 1s 3ms/step - loss: 18.6668 -
 auc_111: 0.5013 - val_loss: 15.8520 - val_auc_111: 0.5077
 Epoch 697/700
 267/267 [=====] - 1s 3ms/step - loss: 21.3133 -
 auc_111: 0.5023 - val_loss: 16.4926 - val_auc_111: 0.5052
 Epoch 698/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5353 -
 auc_111: 0.5024 - val_loss: 28.0596 - val_auc_111: 0.5136
 Epoch 699/700
 267/267 [=====] - 1s 3ms/step - loss: 25.0418 -
 auc_111: 0.5049 - val_loss: 17.3995 - val_auc_111: 0.4953
 Epoch 700/700
 267/267 [=====] - 1s 3ms/step - loss: 19.2678 -
 auc_111: 0.5041 - val_loss: 30.7244 - val_auc_111: 0.5019
 625/625 [=====] - 0s 585us/step
 [CV] ... epochs=700, learning_rate=0.1, score=0.506, total= 8.9min
 [CV] epochs=700, learning_rate=0.1 ...
 Epoch 1/700
 267/267 [=====] - 1s 4ms/step - loss: 22.6418 -
 auc_112: 0.5011 - val_loss: 15.4608 - val_auc_112: 0.4935
 Epoch 2/700
 267/267 [=====] - 1s 3ms/step - loss: 18.3962 -
 auc_112: 0.5036 - val_loss: 23.6357 - val_auc_112: 0.5104
 Epoch 3/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4190 -
 auc_112: 0.5033 - val_loss: 8.3113 - val_auc_112: 0.5096
 Epoch 4/700
 267/267 [=====] - 1s 3ms/step - loss: 18.7480 -
 auc_112: 0.5033 - val_loss: 14.0882 - val_auc_112: 0.5097
 Epoch 5/700
 267/267 [=====] - 1s 3ms/step - loss: 20.1499 -
 auc_112: 0.5016 - val_loss: 29.6017 - val_auc_112: 0.5103
 Epoch 6/700
 267/267 [=====] - 1s 3ms/step - loss: 22.1216 -
 auc_112: 0.5045 - val_loss: 12.5345 - val_auc_112: 0.5026
 Epoch 7/700
 267/267 [=====] - 1s 3ms/step - loss: 17.9196 -
 auc_112: 0.5022 - val_loss: 10.2933 - val_auc_112: 0.5019
 Epoch 8/700

267/267 [=====] - 1s 3ms/step - loss: 16.0337 -
auc_112: 0.5057 - val_loss: 16.8914 - val_auc_112: 0.5024
Epoch 9/700
267/267 [=====] - 1s 3ms/step - loss: 13.9404 -
auc_112: 0.5047 - val_loss: 18.6270 - val_auc_112: 0.5004
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 19.4265 -
auc_112: 0.5047 - val_loss: 10.0561 - val_auc_112: 0.5048
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 21.0440 -
auc_112: 0.5064 - val_loss: 9.8847 - val_auc_112: 0.4891
Epoch 12/700
267/267 [=====] - 1s 3ms/step - loss: 20.7124 -
auc_112: 0.5005 - val_loss: 24.1901 - val_auc_112: 0.5015
Epoch 13/700
267/267 [=====] - 1s 3ms/step - loss: 24.7549 -
auc_112: 0.5036 - val_loss: 10.7669 - val_auc_112: 0.4975
Epoch 14/700
267/267 [=====] - 1s 3ms/step - loss: 19.4241 -
auc_112: 0.5035 - val_loss: 19.5317 - val_auc_112: 0.5068
Epoch 15/700
267/267 [=====] - 1s 3ms/step - loss: 20.3991 -
auc_112: 0.5062 - val_loss: 9.1726 - val_auc_112: 0.5145
Epoch 16/700
267/267 [=====] - 1s 3ms/step - loss: 17.6460 -
auc_112: 0.5050 - val_loss: 10.5422 - val_auc_112: 0.5079
Epoch 17/700
267/267 [=====] - 1s 3ms/step - loss: 15.8699 -
auc_112: 0.5032 - val_loss: 27.9443 - val_auc_112: 0.4953
Epoch 18/700
267/267 [=====] - 1s 3ms/step - loss: 21.6122 -
auc_112: 0.4999 - val_loss: 15.2795 - val_auc_112: 0.5169
Epoch 19/700
267/267 [=====] - 1s 3ms/step - loss: 21.1642 -
auc_112: 0.5068 - val_loss: 20.3202 - val_auc_112: 0.5156
Epoch 20/700
267/267 [=====] - 1s 3ms/step - loss: 21.1290 -
auc_112: 0.5002 - val_loss: 39.0998 - val_auc_112: 0.5042
Epoch 21/700
267/267 [=====] - 1s 3ms/step - loss: 20.4112 -
auc_112: 0.5036 - val_loss: 52.3123 - val_auc_112: 0.5117
Epoch 22/700
267/267 [=====] - 1s 3ms/step - loss: 22.6724 -
auc_112: 0.5035 - val_loss: 10.0203 - val_auc_112: 0.5063
Epoch 23/700
267/267 [=====] - 1s 3ms/step - loss: 20.6858 -
auc_112: 0.4983 - val_loss: 32.1973 - val_auc_112: 0.4937
Epoch 24/700

267/267 [=====] - 1s 3ms/step - loss: 22.5982 -
auc_112: 0.5042 - val_loss: 13.2971 - val_auc_112: 0.5102
Epoch 25/700
267/267 [=====] - 1s 3ms/step - loss: 21.5601 -
auc_112: 0.5063 - val_loss: 19.1359 - val_auc_112: 0.5016
Epoch 26/700
267/267 [=====] - 1s 3ms/step - loss: 19.2169 -
auc_112: 0.5055 - val_loss: 45.9381 - val_auc_112: 0.5091
Epoch 27/700
267/267 [=====] - 1s 3ms/step - loss: 19.5658 -
auc_112: 0.5041 - val_loss: 11.2203 - val_auc_112: 0.4892
Epoch 28/700
267/267 [=====] - 1s 3ms/step - loss: 17.8847 -
auc_112: 0.5061 - val_loss: 10.4019 - val_auc_112: 0.5122
Epoch 29/700
267/267 [=====] - 1s 3ms/step - loss: 16.7045 -
auc_112: 0.5043 - val_loss: 12.8514 - val_auc_112: 0.5100
Epoch 30/700
267/267 [=====] - 1s 3ms/step - loss: 24.7112 -
auc_112: 0.5013 - val_loss: 59.6483 - val_auc_112: 0.5096
Epoch 31/700
267/267 [=====] - 1s 3ms/step - loss: 18.0854 -
auc_112: 0.5032 - val_loss: 10.0251 - val_auc_112: 0.4984
Epoch 32/700
267/267 [=====] - 1s 3ms/step - loss: 19.3510 -
auc_112: 0.4980 - val_loss: 22.3884 - val_auc_112: 0.5052
Epoch 33/700
267/267 [=====] - 1s 3ms/step - loss: 16.0688 -
auc_112: 0.5060 - val_loss: 15.4724 - val_auc_112: 0.5007
Epoch 34/700
267/267 [=====] - 1s 3ms/step - loss: 18.9847 -
auc_112: 0.5006 - val_loss: 20.5188 - val_auc_112: 0.4945
Epoch 35/700
267/267 [=====] - 1s 3ms/step - loss: 16.6547 -
auc_112: 0.5064 - val_loss: 18.1958 - val_auc_112: 0.5013
Epoch 36/700
267/267 [=====] - 1s 3ms/step - loss: 22.1989 -
auc_112: 0.5037 - val_loss: 26.8702 - val_auc_112: 0.4995
Epoch 37/700
267/267 [=====] - 1s 3ms/step - loss: 20.8893 -
auc_112: 0.5015 - val_loss: 20.5574 - val_auc_112: 0.4992
Epoch 38/700
267/267 [=====] - 1s 3ms/step - loss: 19.9591 -
auc_112: 0.5001 - val_loss: 7.5148 - val_auc_112: 0.5142
Epoch 39/700
267/267 [=====] - 1s 3ms/step - loss: 20.6466 -
auc_112: 0.5028 - val_loss: 17.0838 - val_auc_112: 0.4929
Epoch 40/700

267/267 [=====] - 1s 3ms/step - loss: 20.1236 -
auc_112: 0.5026 - val_loss: 39.9300 - val_auc_112: 0.5085
Epoch 41/700
267/267 [=====] - 1s 3ms/step - loss: 20.5766 -
auc_112: 0.5001 - val_loss: 51.9931 - val_auc_112: 0.5018
Epoch 42/700
267/267 [=====] - 1s 3ms/step - loss: 18.8844 -
auc_112: 0.5001 - val_loss: 11.2371 - val_auc_112: 0.5016
Epoch 43/700
267/267 [=====] - 1s 3ms/step - loss: 18.9994 -
auc_112: 0.5027 - val_loss: 20.5824 - val_auc_112: 0.4942
Epoch 44/700
267/267 [=====] - 1s 3ms/step - loss: 24.0009 -
auc_112: 0.5025 - val_loss: 28.8803 - val_auc_112: 0.5035
Epoch 45/700
267/267 [=====] - 1s 3ms/step - loss: 20.4337 -
auc_112: 0.5055 - val_loss: 22.8368 - val_auc_112: 0.4950
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 17.9873 -
auc_112: 0.5010 - val_loss: 14.7432 - val_auc_112: 0.5090
Epoch 47/700
267/267 [=====] - 1s 3ms/step - loss: 22.0115 -
auc_112: 0.5035 - val_loss: 23.9123 - val_auc_112: 0.4950
Epoch 48/700
267/267 [=====] - 1s 3ms/step - loss: 18.0155 -
auc_112: 0.5000 - val_loss: 19.4520 - val_auc_112: 0.4915
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 22.7647 -
auc_112: 0.5033 - val_loss: 14.1160 - val_auc_112: 0.5082
Epoch 50/700
267/267 [=====] - 1s 3ms/step - loss: 16.5176 -
auc_112: 0.5013 - val_loss: 13.0054 - val_auc_112: 0.5053
Epoch 51/700
267/267 [=====] - 1s 3ms/step - loss: 16.3942 -
auc_112: 0.5036 - val_loss: 23.0087 - val_auc_112: 0.4987
Epoch 52/700
267/267 [=====] - 1s 3ms/step - loss: 17.2426 -
auc_112: 0.5035 - val_loss: 29.6748 - val_auc_112: 0.4954
Epoch 53/700
267/267 [=====] - 1s 3ms/step - loss: 20.5194 -
auc_112: 0.5015 - val_loss: 8.5927 - val_auc_112: 0.4970
Epoch 54/700
267/267 [=====] - 1s 3ms/step - loss: 16.2932 -
auc_112: 0.5022 - val_loss: 10.9616 - val_auc_112: 0.4979
Epoch 55/700
267/267 [=====] - 1s 3ms/step - loss: 18.6436 -
auc_112: 0.5053 - val_loss: 9.5398 - val_auc_112: 0.5041
Epoch 56/700

267/267 [=====] - 1s 3ms/step - loss: 23.3574 -
auc_112: 0.5043 - val_loss: 21.8280 - val_auc_112: 0.4959
Epoch 57/700
267/267 [=====] - 1s 3ms/step - loss: 17.1683 -
auc_112: 0.5054 - val_loss: 33.2177 - val_auc_112: 0.4958
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 23.0085 -
auc_112: 0.5030 - val_loss: 37.0453 - val_auc_112: 0.4955
Epoch 59/700
267/267 [=====] - 1s 3ms/step - loss: 19.9132 -
auc_112: 0.5006 - val_loss: 12.3518 - val_auc_112: 0.4942
Epoch 60/700
267/267 [=====] - 1s 3ms/step - loss: 20.9202 -
auc_112: 0.5000 - val_loss: 22.2643 - val_auc_112: 0.4908
Epoch 61/700
267/267 [=====] - 1s 3ms/step - loss: 17.7595 -
auc_112: 0.5060 - val_loss: 19.7253 - val_auc_112: 0.5174
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 21.0518 -
auc_112: 0.5058 - val_loss: 24.0571 - val_auc_112: 0.5136
Epoch 63/700
267/267 [=====] - 1s 3ms/step - loss: 19.9984 -
auc_112: 0.5023 - val_loss: 8.1295 - val_auc_112: 0.5121
Epoch 64/700
267/267 [=====] - 1s 3ms/step - loss: 17.8667 -
auc_112: 0.5030 - val_loss: 14.5228 - val_auc_112: 0.5107
Epoch 65/700
267/267 [=====] - 1s 3ms/step - loss: 18.5328 -
auc_112: 0.5029 - val_loss: 16.9156 - val_auc_112: 0.4974
Epoch 66/700
267/267 [=====] - 1s 3ms/step - loss: 20.4650 -
auc_112: 0.5041 - val_loss: 40.9568 - val_auc_112: 0.4972
Epoch 67/700
267/267 [=====] - 1s 3ms/step - loss: 17.6938 -
auc_112: 0.5038 - val_loss: 11.1703 - val_auc_112: 0.5056
Epoch 68/700
267/267 [=====] - 1s 3ms/step - loss: 21.8588 -
auc_112: 0.5020 - val_loss: 38.1635 - val_auc_112: 0.5101
Epoch 69/700
267/267 [=====] - 1s 3ms/step - loss: 22.4536 -
auc_112: 0.5037 - val_loss: 19.6319 - val_auc_112: 0.5094
Epoch 70/700
267/267 [=====] - 1s 3ms/step - loss: 22.8843 -
auc_112: 0.5028 - val_loss: 21.2368 - val_auc_112: 0.5126
Epoch 71/700
267/267 [=====] - 1s 3ms/step - loss: 21.6474 -
auc_112: 0.5008 - val_loss: 7.6128 - val_auc_112: 0.5034
Epoch 72/700

267/267 [=====] - 1s 3ms/step - loss: 19.5471 -
auc_112: 0.5044 - val_loss: 10.3987 - val_auc_112: 0.4911
Epoch 73/700
267/267 [=====] - 1s 3ms/step - loss: 19.1323 -
auc_112: 0.5015 - val_loss: 6.3421 - val_auc_112: 0.4962
Epoch 74/700
267/267 [=====] - 1s 3ms/step - loss: 15.8521 -
auc_112: 0.5039 - val_loss: 17.6071 - val_auc_112: 0.5049
Epoch 75/700
267/267 [=====] - 1s 3ms/step - loss: 20.2313 -
auc_112: 0.5026 - val_loss: 9.4833 - val_auc_112: 0.5102
Epoch 76/700
267/267 [=====] - 1s 3ms/step - loss: 18.7229 -
auc_112: 0.5021 - val_loss: 13.4778 - val_auc_112: 0.4845
Epoch 77/700
267/267 [=====] - 1s 3ms/step - loss: 16.1804 -
auc_112: 0.5028 - val_loss: 19.9786 - val_auc_112: 0.4986
Epoch 78/700
267/267 [=====] - 1s 3ms/step - loss: 19.5470 -
auc_112: 0.5027 - val_loss: 9.0428 - val_auc_112: 0.5190
Epoch 79/700
267/267 [=====] - 1s 3ms/step - loss: 24.2740 -
auc_112: 0.5043 - val_loss: 19.9680 - val_auc_112: 0.5082
Epoch 80/700
267/267 [=====] - 1s 3ms/step - loss: 16.1201 -
auc_112: 0.5045 - val_loss: 10.1035 - val_auc_112: 0.5081
Epoch 81/700
267/267 [=====] - 1s 3ms/step - loss: 21.2606 -
auc_112: 0.5013 - val_loss: 20.5713 - val_auc_112: 0.5022
Epoch 82/700
267/267 [=====] - 1s 3ms/step - loss: 22.1676 -
auc_112: 0.5018 - val_loss: 20.3824 - val_auc_112: 0.5012
Epoch 83/700
267/267 [=====] - 1s 3ms/step - loss: 20.3062 -
auc_112: 0.5052 - val_loss: 8.4952 - val_auc_112: 0.5101
Epoch 84/700
267/267 [=====] - 1s 3ms/step - loss: 16.2320 -
auc_112: 0.5034 - val_loss: 11.1293 - val_auc_112: 0.4987
Epoch 85/700
267/267 [=====] - 1s 3ms/step - loss: 20.8785 -
auc_112: 0.5019 - val_loss: 19.7147 - val_auc_112: 0.5109
Epoch 86/700
267/267 [=====] - 1s 3ms/step - loss: 19.3602 -
auc_112: 0.5018 - val_loss: 18.0412 - val_auc_112: 0.4949
Epoch 87/700
267/267 [=====] - 1s 3ms/step - loss: 20.0254 -
auc_112: 0.5036 - val_loss: 10.2847 - val_auc_112: 0.5100
Epoch 88/700

267/267 [=====] - 1s 3ms/step - loss: 19.6846 -
auc_112: 0.5052 - val_loss: 17.3608 - val_auc_112: 0.4936
Epoch 89/700
267/267 [=====] - 1s 3ms/step - loss: 19.3055 -
auc_112: 0.5046 - val_loss: 7.8277 - val_auc_112: 0.5005
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 21.9141 -
auc_112: 0.4998 - val_loss: 21.8387 - val_auc_112: 0.4963
Epoch 91/700
267/267 [=====] - 1s 3ms/step - loss: 17.0337 -
auc_112: 0.5035 - val_loss: 20.1689 - val_auc_112: 0.5077
Epoch 92/700
267/267 [=====] - 1s 3ms/step - loss: 20.6979 -
auc_112: 0.5005 - val_loss: 14.8105 - val_auc_112: 0.5049
Epoch 93/700
267/267 [=====] - 1s 3ms/step - loss: 20.8061 -
auc_112: 0.5080 - val_loss: 24.1030 - val_auc_112: 0.4963
Epoch 94/700
267/267 [=====] - 1s 3ms/step - loss: 18.7441 -
auc_112: 0.5038 - val_loss: 12.1854 - val_auc_112: 0.5192
Epoch 95/700
267/267 [=====] - 1s 3ms/step - loss: 19.8847 -
auc_112: 0.5038 - val_loss: 17.6373 - val_auc_112: 0.4984
Epoch 96/700
267/267 [=====] - 1s 3ms/step - loss: 21.3951 -
auc_112: 0.5063 - val_loss: 16.3000 - val_auc_112: 0.5085
Epoch 97/700
267/267 [=====] - 1s 3ms/step - loss: 21.3692 -
auc_112: 0.5050 - val_loss: 35.7474 - val_auc_112: 0.5002
Epoch 98/700
267/267 [=====] - 1s 3ms/step - loss: 23.9785 -
auc_112: 0.5037 - val_loss: 11.5199 - val_auc_112: 0.4851
Epoch 99/700
267/267 [=====] - 1s 3ms/step - loss: 21.6320 -
auc_112: 0.5073 - val_loss: 26.7584 - val_auc_112: 0.5110
Epoch 100/700
267/267 [=====] - 1s 3ms/step - loss: 17.9115 -
auc_112: 0.5043 - val_loss: 17.7395 - val_auc_112: 0.4996
Epoch 101/700
267/267 [=====] - 1s 3ms/step - loss: 21.7793 -
auc_112: 0.5038 - val_loss: 15.0336 - val_auc_112: 0.5018
Epoch 102/700
267/267 [=====] - 1s 3ms/step - loss: 15.8504 -
auc_112: 0.5034 - val_loss: 27.3854 - val_auc_112: 0.5024
Epoch 103/700
267/267 [=====] - 1s 3ms/step - loss: 19.6190 -
auc_112: 0.5018 - val_loss: 24.2556 - val_auc_112: 0.5123
Epoch 104/700

267/267 [=====] - 1s 3ms/step - loss: 20.4969 -
auc_112: 0.5012 - val_loss: 15.7720 - val_auc_112: 0.5047
Epoch 105/700
267/267 [=====] - 1s 3ms/step - loss: 22.0900 -
auc_112: 0.5027 - val_loss: 5.5629 - val_auc_112: 0.5056
Epoch 106/700
267/267 [=====] - 1s 3ms/step - loss: 19.9374 -
auc_112: 0.5032 - val_loss: 14.7908 - val_auc_112: 0.4866
Epoch 107/700
267/267 [=====] - 1s 3ms/step - loss: 18.3717 -
auc_112: 0.5037 - val_loss: 21.2035 - val_auc_112: 0.5051
Epoch 108/700
267/267 [=====] - 1s 3ms/step - loss: 22.2712 -
auc_112: 0.5061 - val_loss: 14.6534 - val_auc_112: 0.5034
Epoch 109/700
267/267 [=====] - 1s 3ms/step - loss: 21.6771 -
auc_112: 0.5018 - val_loss: 23.2812 - val_auc_112: 0.5135
Epoch 110/700
267/267 [=====] - 1s 3ms/step - loss: 20.3507 -
auc_112: 0.5038 - val_loss: 8.5253 - val_auc_112: 0.4972
Epoch 111/700
267/267 [=====] - 1s 3ms/step - loss: 17.0923 -
auc_112: 0.5021 - val_loss: 24.7205 - val_auc_112: 0.5003
Epoch 112/700
267/267 [=====] - 1s 3ms/step - loss: 17.8189 -
auc_112: 0.5019 - val_loss: 13.7312 - val_auc_112: 0.5094
Epoch 113/700
267/267 [=====] - 1s 3ms/step - loss: 25.9300 -
auc_112: 0.5043 - val_loss: 24.9726 - val_auc_112: 0.5002
Epoch 114/700
267/267 [=====] - 1s 3ms/step - loss: 19.2480 -
auc_112: 0.5002 - val_loss: 10.5672 - val_auc_112: 0.4855
Epoch 115/700
267/267 [=====] - 1s 3ms/step - loss: 18.7119 -
auc_112: 0.5049 - val_loss: 8.8920 - val_auc_112: 0.5114
Epoch 116/700
267/267 [=====] - 1s 3ms/step - loss: 18.4121 -
auc_112: 0.5049 - val_loss: 19.0374 - val_auc_112: 0.4996
Epoch 117/700
267/267 [=====] - 1s 3ms/step - loss: 18.0045 -
auc_112: 0.5021 - val_loss: 34.2782 - val_auc_112: 0.4945
Epoch 118/700
267/267 [=====] - 1s 3ms/step - loss: 20.8924 -
auc_112: 0.5032 - val_loss: 22.5397 - val_auc_112: 0.5104
Epoch 119/700
267/267 [=====] - 1s 3ms/step - loss: 20.4969 -
auc_112: 0.5052 - val_loss: 45.8546 - val_auc_112: 0.5068
Epoch 120/700

267/267 [=====] - 1s 3ms/step - loss: 21.9958 -
auc_112: 0.5069 - val_loss: 15.4801 - val_auc_112: 0.5038
Epoch 121/700
267/267 [=====] - 1s 3ms/step - loss: 18.7769 -
auc_112: 0.5018 - val_loss: 26.6629 - val_auc_112: 0.5000
Epoch 122/700
267/267 [=====] - 1s 3ms/step - loss: 16.6736 -
auc_112: 0.5027 - val_loss: 7.7739 - val_auc_112: 0.5027
Epoch 123/700
267/267 [=====] - 1s 3ms/step - loss: 19.1000 -
auc_112: 0.5016 - val_loss: 12.7956 - val_auc_112: 0.4899
Epoch 124/700
267/267 [=====] - 1s 3ms/step - loss: 23.3586 -
auc_112: 0.5058 - val_loss: 23.6653 - val_auc_112: 0.4957
Epoch 125/700
267/267 [=====] - 1s 3ms/step - loss: 17.2994 -
auc_112: 0.5033 - val_loss: 30.7735 - val_auc_112: 0.4947
Epoch 126/700
267/267 [=====] - 1s 3ms/step - loss: 17.7529 -
auc_112: 0.5068 - val_loss: 28.8833 - val_auc_112: 0.5166
Epoch 127/700
267/267 [=====] - 1s 3ms/step - loss: 20.6177 -
auc_112: 0.5047 - val_loss: 25.1192 - val_auc_112: 0.5059
Epoch 128/700
267/267 [=====] - 1s 3ms/step - loss: 18.6247 -
auc_112: 0.5033 - val_loss: 14.2201 - val_auc_112: 0.4934
Epoch 129/700
267/267 [=====] - 1s 3ms/step - loss: 19.6827 -
auc_112: 0.5010 - val_loss: 7.3840 - val_auc_112: 0.5054
Epoch 130/700
267/267 [=====] - 1s 3ms/step - loss: 16.9868 -
auc_112: 0.4998 - val_loss: 20.4958 - val_auc_112: 0.4911
Epoch 131/700
267/267 [=====] - 1s 3ms/step - loss: 19.2709 -
auc_112: 0.5041 - val_loss: 22.4184 - val_auc_112: 0.5064
Epoch 132/700
267/267 [=====] - 1s 3ms/step - loss: 15.0503 -
auc_112: 0.5042 - val_loss: 15.0253 - val_auc_112: 0.4935
Epoch 133/700
267/267 [=====] - 1s 3ms/step - loss: 17.8199 -
auc_112: 0.5001 - val_loss: 19.1619 - val_auc_112: 0.4897
Epoch 134/700
267/267 [=====] - 1s 3ms/step - loss: 19.6155 -
auc_112: 0.4997 - val_loss: 8.4495 - val_auc_112: 0.4906
Epoch 135/700
267/267 [=====] - 1s 3ms/step - loss: 17.0481 -
auc_112: 0.5041 - val_loss: 13.1387 - val_auc_112: 0.5060
Epoch 136/700

267/267 [=====] - 1s 3ms/step - loss: 17.1299 -
auc_112: 0.5026 - val_loss: 8.2588 - val_auc_112: 0.4959
Epoch 137/700
267/267 [=====] - 1s 3ms/step - loss: 20.1991 -
auc_112: 0.5022 - val_loss: 19.3687 - val_auc_112: 0.4993
Epoch 138/700
267/267 [=====] - 1s 3ms/step - loss: 19.2815 -
auc_112: 0.5041 - val_loss: 21.0041 - val_auc_112: 0.5022
Epoch 139/700
267/267 [=====] - 1s 3ms/step - loss: 20.6193 -
auc_112: 0.5008 - val_loss: 25.5839 - val_auc_112: 0.5044
Epoch 140/700
267/267 [=====] - 1s 3ms/step - loss: 22.2761 -
auc_112: 0.5016 - val_loss: 13.3427 - val_auc_112: 0.5132
Epoch 141/700
267/267 [=====] - 1s 3ms/step - loss: 20.6614 -
auc_112: 0.5048 - val_loss: 12.0113 - val_auc_112: 0.5018
Epoch 142/700
267/267 [=====] - 1s 3ms/step - loss: 18.7629 -
auc_112: 0.5036 - val_loss: 36.0855 - val_auc_112: 0.5070
Epoch 143/700
267/267 [=====] - 1s 3ms/step - loss: 20.5406 -
auc_112: 0.5022 - val_loss: 26.8407 - val_auc_112: 0.5085
Epoch 144/700
267/267 [=====] - 1s 3ms/step - loss: 18.9067 -
auc_112: 0.5046 - val_loss: 18.6244 - val_auc_112: 0.4896
Epoch 145/700
267/267 [=====] - 1s 3ms/step - loss: 18.3271 -
auc_112: 0.5044 - val_loss: 29.0217 - val_auc_112: 0.5064
Epoch 146/700
267/267 [=====] - 1s 3ms/step - loss: 26.1685 -
auc_112: 0.5001 - val_loss: 18.5037 - val_auc_112: 0.5116
Epoch 147/700
267/267 [=====] - 1s 3ms/step - loss: 19.6177 -
auc_112: 0.5029 - val_loss: 20.0993 - val_auc_112: 0.5095
Epoch 148/700
267/267 [=====] - 1s 3ms/step - loss: 21.3073 -
auc_112: 0.4982 - val_loss: 8.2075 - val_auc_112: 0.4893
Epoch 149/700
267/267 [=====] - 1s 3ms/step - loss: 19.3613 -
auc_112: 0.5052 - val_loss: 19.9480 - val_auc_112: 0.4907
Epoch 150/700
267/267 [=====] - 1s 3ms/step - loss: 19.7382 -
auc_112: 0.5038 - val_loss: 42.8916 - val_auc_112: 0.5021
Epoch 151/700
267/267 [=====] - 1s 3ms/step - loss: 21.2730 -
auc_112: 0.5018 - val_loss: 13.9635 - val_auc_112: 0.5092
Epoch 152/700

267/267 [=====] - 1s 3ms/step - loss: 18.3388 -
auc_112: 0.5054 - val_loss: 10.3338 - val_auc_112: 0.4995
Epoch 153/700
267/267 [=====] - 1s 3ms/step - loss: 20.6273 -
auc_112: 0.5057 - val_loss: 39.2315 - val_auc_112: 0.5063
Epoch 154/700
267/267 [=====] - 1s 3ms/step - loss: 17.0644 -
auc_112: 0.5008 - val_loss: 14.3468 - val_auc_112: 0.4926
Epoch 155/700
267/267 [=====] - 1s 3ms/step - loss: 17.6202 -
auc_112: 0.5061 - val_loss: 22.5206 - val_auc_112: 0.4990
Epoch 156/700
267/267 [=====] - 1s 3ms/step - loss: 18.3261 -
auc_112: 0.5036 - val_loss: 22.1702 - val_auc_112: 0.5004
Epoch 157/700
267/267 [=====] - 1s 3ms/step - loss: 19.1004 -
auc_112: 0.4998 - val_loss: 13.2617 - val_auc_112: 0.5054
Epoch 158/700
267/267 [=====] - 1s 3ms/step - loss: 21.6539 -
auc_112: 0.5005 - val_loss: 13.7785 - val_auc_112: 0.5044
Epoch 159/700
267/267 [=====] - 1s 3ms/step - loss: 19.1608 -
auc_112: 0.5027 - val_loss: 20.3663 - val_auc_112: 0.5022
Epoch 160/700
267/267 [=====] - 1s 3ms/step - loss: 23.8900 -
auc_112: 0.5032 - val_loss: 19.1177 - val_auc_112: 0.4983
Epoch 161/700
267/267 [=====] - 1s 3ms/step - loss: 19.9980 -
auc_112: 0.5027 - val_loss: 8.0345 - val_auc_112: 0.5113
Epoch 162/700
267/267 [=====] - 1s 3ms/step - loss: 21.9133 -
auc_112: 0.5057 - val_loss: 20.5965 - val_auc_112: 0.5095
Epoch 163/700
267/267 [=====] - 1s 3ms/step - loss: 18.5385 -
auc_112: 0.5027 - val_loss: 12.5932 - val_auc_112: 0.4914
Epoch 164/700
267/267 [=====] - 1s 3ms/step - loss: 17.0920 -
auc_112: 0.5022 - val_loss: 14.2185 - val_auc_112: 0.5049
Epoch 165/700
267/267 [=====] - 1s 3ms/step - loss: 18.0987 -
auc_112: 0.5023 - val_loss: 19.1748 - val_auc_112: 0.5029
Epoch 166/700
267/267 [=====] - 1s 3ms/step - loss: 22.3512 -
auc_112: 0.5049 - val_loss: 6.3897 - val_auc_112: 0.4972
Epoch 167/700
267/267 [=====] - 1s 3ms/step - loss: 20.1482 -
auc_112: 0.5060 - val_loss: 11.4373 - val_auc_112: 0.4930
Epoch 168/700

267/267 [=====] - 1s 3ms/step - loss: 23.1609 -
auc_112: 0.5022 - val_loss: 24.2922 - val_auc_112: 0.4902
Epoch 169/700
267/267 [=====] - 1s 3ms/step - loss: 22.8579 -
auc_112: 0.5059 - val_loss: 29.1126 - val_auc_112: 0.5003
Epoch 170/700
267/267 [=====] - 1s 3ms/step - loss: 18.5327 -
auc_112: 0.5027 - val_loss: 13.4637 - val_auc_112: 0.4923
Epoch 171/700
267/267 [=====] - 1s 3ms/step - loss: 22.4076 -
auc_112: 0.5000 - val_loss: 12.9047 - val_auc_112: 0.5046
Epoch 172/700
267/267 [=====] - 1s 3ms/step - loss: 16.3930 -
auc_112: 0.5058 - val_loss: 11.3469 - val_auc_112: 0.4936
Epoch 173/700
267/267 [=====] - 1s 3ms/step - loss: 21.9391 -
auc_112: 0.4992 - val_loss: 18.4944 - val_auc_112: 0.5155
Epoch 174/700
267/267 [=====] - 1s 3ms/step - loss: 17.6071 -
auc_112: 0.5038 - val_loss: 19.7669 - val_auc_112: 0.4998
Epoch 175/700
267/267 [=====] - 1s 3ms/step - loss: 18.1623 -
auc_112: 0.5062 - val_loss: 25.1494 - val_auc_112: 0.4984
Epoch 176/700
267/267 [=====] - 1s 3ms/step - loss: 18.2818 -
auc_112: 0.5022 - val_loss: 12.4778 - val_auc_112: 0.4869
Epoch 177/700
267/267 [=====] - 1s 3ms/step - loss: 20.4028 -
auc_112: 0.5012 - val_loss: 28.5728 - val_auc_112: 0.4939
Epoch 178/700
267/267 [=====] - 1s 3ms/step - loss: 17.9746 -
auc_112: 0.5055 - val_loss: 24.3473 - val_auc_112: 0.5076
Epoch 179/700
267/267 [=====] - 1s 3ms/step - loss: 17.5156 -
auc_112: 0.5027 - val_loss: 25.8186 - val_auc_112: 0.4993
Epoch 180/700
267/267 [=====] - 1s 3ms/step - loss: 23.8468 -
auc_112: 0.5056 - val_loss: 21.3318 - val_auc_112: 0.4961
Epoch 181/700
267/267 [=====] - 1s 3ms/step - loss: 19.9829 -
auc_112: 0.5014 - val_loss: 15.0770 - val_auc_112: 0.5028
Epoch 182/700
267/267 [=====] - 1s 3ms/step - loss: 22.9910 -
auc_112: 0.5022 - val_loss: 32.9930 - val_auc_112: 0.5105
Epoch 183/700
267/267 [=====] - 1s 3ms/step - loss: 20.2312 -
auc_112: 0.5030 - val_loss: 9.7964 - val_auc_112: 0.5141
Epoch 184/700

267/267 [=====] - 1s 3ms/step - loss: 18.6578 -
auc_112: 0.5020 - val_loss: 43.3978 - val_auc_112: 0.5048
Epoch 185/700
267/267 [=====] - 1s 3ms/step - loss: 22.3132 -
auc_112: 0.5040 - val_loss: 11.9235 - val_auc_112: 0.5041
Epoch 186/700
267/267 [=====] - 1s 3ms/step - loss: 21.7812 -
auc_112: 0.5052 - val_loss: 24.0545 - val_auc_112: 0.4969
Epoch 187/700
267/267 [=====] - 1s 3ms/step - loss: 17.8943 -
auc_112: 0.5056 - val_loss: 15.1306 - val_auc_112: 0.5149
Epoch 188/700
267/267 [=====] - 1s 3ms/step - loss: 21.5566 -
auc_112: 0.5010 - val_loss: 20.7795 - val_auc_112: 0.5033
Epoch 189/700
267/267 [=====] - 1s 3ms/step - loss: 21.4741 -
auc_112: 0.4995 - val_loss: 33.9794 - val_auc_112: 0.4983
Epoch 190/700
267/267 [=====] - 1s 3ms/step - loss: 20.3686 -
auc_112: 0.5015 - val_loss: 22.3941 - val_auc_112: 0.4848
Epoch 191/700
267/267 [=====] - 1s 3ms/step - loss: 14.4643 -
auc_112: 0.5051 - val_loss: 21.4211 - val_auc_112: 0.4929
Epoch 192/700
267/267 [=====] - 1s 3ms/step - loss: 22.9115 -
auc_112: 0.5006 - val_loss: 22.8660 - val_auc_112: 0.4908
Epoch 193/700
267/267 [=====] - 1s 3ms/step - loss: 23.5849 -
auc_112: 0.5033 - val_loss: 41.2094 - val_auc_112: 0.4949
Epoch 194/700
267/267 [=====] - 1s 3ms/step - loss: 23.1634 -
auc_112: 0.5043 - val_loss: 16.4376 - val_auc_112: 0.5006
Epoch 195/700
267/267 [=====] - 1s 3ms/step - loss: 17.4611 -
auc_112: 0.5035 - val_loss: 22.7447 - val_auc_112: 0.5023
Epoch 196/700
267/267 [=====] - 1s 3ms/step - loss: 20.7996 -
auc_112: 0.5023 - val_loss: 11.7178 - val_auc_112: 0.4974
Epoch 197/700
267/267 [=====] - 1s 3ms/step - loss: 19.7285 -
auc_112: 0.5046 - val_loss: 13.2726 - val_auc_112: 0.4997
Epoch 198/700
267/267 [=====] - 1s 3ms/step - loss: 22.0523 -
auc_112: 0.5027 - val_loss: 33.6148 - val_auc_112: 0.5063
Epoch 199/700
267/267 [=====] - 1s 3ms/step - loss: 24.2691 -
auc_112: 0.5020 - val_loss: 40.2310 - val_auc_112: 0.4989
Epoch 200/700

267/267 [=====] - 1s 3ms/step - loss: 16.4139 -
auc_112: 0.5053 - val_loss: 14.6958 - val_auc_112: 0.5032
Epoch 201/700
267/267 [=====] - 1s 3ms/step - loss: 19.4792 -
auc_112: 0.5036 - val_loss: 11.9005 - val_auc_112: 0.5036
Epoch 202/700
267/267 [=====] - 1s 3ms/step - loss: 18.5243 -
auc_112: 0.4976 - val_loss: 33.6442 - val_auc_112: 0.4984
Epoch 203/700
267/267 [=====] - 1s 3ms/step - loss: 19.8236 -
auc_112: 0.5029 - val_loss: 32.3194 - val_auc_112: 0.5082
Epoch 204/700
267/267 [=====] - 1s 3ms/step - loss: 20.6840 -
auc_112: 0.5029 - val_loss: 9.4140 - val_auc_112: 0.4897
Epoch 205/700
267/267 [=====] - 1s 3ms/step - loss: 17.2231 -
auc_112: 0.5033 - val_loss: 8.4738 - val_auc_112: 0.5106
Epoch 206/700
267/267 [=====] - 1s 3ms/step - loss: 15.9866 -
auc_112: 0.5055 - val_loss: 6.7800 - val_auc_112: 0.5053
Epoch 207/700
267/267 [=====] - 1s 3ms/step - loss: 21.8164 -
auc_112: 0.5020 - val_loss: 22.5982 - val_auc_112: 0.4942
Epoch 208/700
267/267 [=====] - 1s 3ms/step - loss: 21.8524 -
auc_112: 0.5066 - val_loss: 7.6577 - val_auc_112: 0.5171
Epoch 209/700
267/267 [=====] - 1s 3ms/step - loss: 17.2705 -
auc_112: 0.5090 - val_loss: 31.8157 - val_auc_112: 0.5001
Epoch 210/700
267/267 [=====] - 1s 3ms/step - loss: 21.2703 -
auc_112: 0.4996 - val_loss: 25.8362 - val_auc_112: 0.4856
Epoch 211/700
267/267 [=====] - 1s 3ms/step - loss: 17.8424 -
auc_112: 0.5011 - val_loss: 13.9169 - val_auc_112: 0.4999
Epoch 212/700
267/267 [=====] - 1s 3ms/step - loss: 24.8910 -
auc_112: 0.5013 - val_loss: 10.6412 - val_auc_112: 0.5050
Epoch 213/700
267/267 [=====] - 1s 3ms/step - loss: 17.0044 -
auc_112: 0.5033 - val_loss: 14.8421 - val_auc_112: 0.5060
Epoch 214/700
267/267 [=====] - 1s 3ms/step - loss: 14.9505 -
auc_112: 0.5060 - val_loss: 37.1831 - val_auc_112: 0.5093
Epoch 215/700
267/267 [=====] - 1s 3ms/step - loss: 19.7381 -
auc_112: 0.5011 - val_loss: 27.5149 - val_auc_112: 0.5062
Epoch 216/700

267/267 [=====] - 1s 3ms/step - loss: 20.5762 -
 auc_112: 0.5037 - val_loss: 18.6435 - val_auc_112: 0.5039
 Epoch 217/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8941 -
 auc_112: 0.5037 - val_loss: 13.3970 - val_auc_112: 0.5031
 Epoch 218/700
 267/267 [=====] - 1s 3ms/step - loss: 20.5088 -
 auc_112: 0.5029 - val_loss: 9.8388 - val_auc_112: 0.5107
 Epoch 219/700
 267/267 [=====] - 1s 3ms/step - loss: 17.3232 -
 auc_112: 0.5044 - val_loss: 21.2490 - val_auc_112: 0.5092
 Epoch 220/700
 267/267 [=====] - 1s 3ms/step - loss: 18.6689 -
 auc_112: 0.5059 - val_loss: 39.8304 - val_auc_112: 0.4961
 Epoch 221/700
 267/267 [=====] - 1s 3ms/step - loss: 22.0160 -
 auc_112: 0.5010 - val_loss: 10.7093 - val_auc_112: 0.4974
 Epoch 222/700
 267/267 [=====] - 1s 3ms/step - loss: 21.7411 -
 auc_112: 0.5009 - val_loss: 21.5490 - val_auc_112: 0.4975
 Epoch 223/700
 267/267 [=====] - 1s 3ms/step - loss: 17.1164 -
 auc_112: 0.5004 - val_loss: 28.5713 - val_auc_112: 0.4996
 Epoch 224/700
 267/267 [=====] - 1s 3ms/step - loss: 21.8664 -
 auc_112: 0.5000 - val_loss: 21.9699 - val_auc_112: 0.5087
 Epoch 225/700
 267/267 [=====] - 1s 3ms/step - loss: 16.4310 -
 auc_112: 0.5035 - val_loss: 13.5141 - val_auc_112: 0.5121
 Epoch 226/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4076 -
 auc_112: 0.5016 - val_loss: 13.4743 - val_auc_112: 0.4922
 Epoch 227/700
 267/267 [=====] - 1s 3ms/step - loss: 22.6920 -
 auc_112: 0.5009 - val_loss: 24.5816 - val_auc_112: 0.5074
 Epoch 228/700
 267/267 [=====] - 1s 3ms/step - loss: 21.8771 -
 auc_112: 0.5040 - val_loss: 20.5586 - val_auc_112: 0.5000
 Epoch 229/700
 267/267 [=====] - 1s 3ms/step - loss: 18.7176 -
 auc_112: 0.4992 - val_loss: 18.4343 - val_auc_112: 0.4932
 Epoch 230/700
 267/267 [=====] - 1s 3ms/step - loss: 17.7512 -
 auc_112: 0.5045 - val_loss: 15.2828 - val_auc_112: 0.5001
 Epoch 231/700
 267/267 [=====] - 1s 3ms/step - loss: 22.8414 -
 auc_112: 0.5035 - val_loss: 19.4618 - val_auc_112: 0.5079
 Epoch 232/700

267/267 [=====] - 1s 3ms/step - loss: 17.0089 -
auc_112: 0.5027 - val_loss: 18.0773 - val_auc_112: 0.4880
Epoch 233/700
267/267 [=====] - 1s 3ms/step - loss: 19.0313 -
auc_112: 0.5063 - val_loss: 19.4687 - val_auc_112: 0.5086
Epoch 234/700
267/267 [=====] - 1s 3ms/step - loss: 21.0481 -
auc_112: 0.5051 - val_loss: 24.1642 - val_auc_112: 0.4971
Epoch 235/700
267/267 [=====] - 1s 3ms/step - loss: 16.0550 -
auc_112: 0.5013 - val_loss: 34.4544 - val_auc_112: 0.5102
Epoch 236/700
267/267 [=====] - 1s 3ms/step - loss: 18.4679 -
auc_112: 0.5044 - val_loss: 7.4194 - val_auc_112: 0.5131
Epoch 237/700
267/267 [=====] - 1s 3ms/step - loss: 19.1178 -
auc_112: 0.5026 - val_loss: 52.0213 - val_auc_112: 0.4984
Epoch 238/700
267/267 [=====] - 1s 3ms/step - loss: 21.6419 -
auc_112: 0.5032 - val_loss: 27.3801 - val_auc_112: 0.4992
Epoch 239/700
267/267 [=====] - 1s 3ms/step - loss: 21.3790 -
auc_112: 0.5046 - val_loss: 12.9972 - val_auc_112: 0.5067
Epoch 240/700
267/267 [=====] - 1s 3ms/step - loss: 18.6254 -
auc_112: 0.5038 - val_loss: 21.0824 - val_auc_112: 0.4970
Epoch 241/700
267/267 [=====] - 1s 3ms/step - loss: 17.0933 -
auc_112: 0.5044 - val_loss: 17.2769 - val_auc_112: 0.5039
Epoch 242/700
267/267 [=====] - 1s 3ms/step - loss: 20.5202 -
auc_112: 0.5064 - val_loss: 6.2801 - val_auc_112: 0.5077
Epoch 243/700
267/267 [=====] - 1s 3ms/step - loss: 18.9412 -
auc_112: 0.5001 - val_loss: 18.3032 - val_auc_112: 0.5029
Epoch 244/700
267/267 [=====] - 1s 3ms/step - loss: 21.3431 -
auc_112: 0.5004 - val_loss: 39.1160 - val_auc_112: 0.4877
Epoch 245/700
267/267 [=====] - 1s 3ms/step - loss: 24.3031 -
auc_112: 0.5007 - val_loss: 19.6761 - val_auc_112: 0.5071
Epoch 246/700
267/267 [=====] - 1s 3ms/step - loss: 16.8122 -
auc_112: 0.5040 - val_loss: 37.3757 - val_auc_112: 0.4979
Epoch 247/700
267/267 [=====] - 1s 3ms/step - loss: 21.1539 -
auc_112: 0.5046 - val_loss: 22.1620 - val_auc_112: 0.4931
Epoch 248/700

267/267 [=====] - 1s 3ms/step - loss: 22.0216 -
auc_112: 0.5025 - val_loss: 17.6788 - val_auc_112: 0.5083
Epoch 249/700
267/267 [=====] - 1s 3ms/step - loss: 21.2174 -
auc_112: 0.5006 - val_loss: 23.1499 - val_auc_112: 0.5013
Epoch 250/700
267/267 [=====] - 1s 3ms/step - loss: 15.6290 -
auc_112: 0.5072 - val_loss: 27.8838 - val_auc_112: 0.5001
Epoch 251/700
267/267 [=====] - 1s 3ms/step - loss: 17.9901 -
auc_112: 0.5050 - val_loss: 4.6315 - val_auc_112: 0.4898
Epoch 252/700
267/267 [=====] - 1s 3ms/step - loss: 19.0831 -
auc_112: 0.5034 - val_loss: 18.5145 - val_auc_112: 0.4891
Epoch 253/700
267/267 [=====] - 1s 3ms/step - loss: 20.9853 -
auc_112: 0.5043 - val_loss: 7.8556 - val_auc_112: 0.4828
Epoch 254/700
267/267 [=====] - 1s 3ms/step - loss: 24.0333 -
auc_112: 0.5033 - val_loss: 26.8696 - val_auc_112: 0.5155
Epoch 255/700
267/267 [=====] - 1s 3ms/step - loss: 19.8276 -
auc_112: 0.5051 - val_loss: 13.4717 - val_auc_112: 0.4948
Epoch 256/700
267/267 [=====] - 1s 3ms/step - loss: 19.3375 -
auc_112: 0.5049 - val_loss: 12.4512 - val_auc_112: 0.5034
Epoch 257/700
267/267 [=====] - 1s 3ms/step - loss: 19.7769 -
auc_112: 0.5031 - val_loss: 16.6518 - val_auc_112: 0.5087
Epoch 258/700
267/267 [=====] - 1s 3ms/step - loss: 17.1045 -
auc_112: 0.5041 - val_loss: 13.8388 - val_auc_112: 0.5107
Epoch 259/700
267/267 [=====] - 1s 3ms/step - loss: 17.9413 -
auc_112: 0.5001 - val_loss: 13.8473 - val_auc_112: 0.4968
Epoch 260/700
267/267 [=====] - 1s 3ms/step - loss: 17.3228 -
auc_112: 0.5013 - val_loss: 13.3800 - val_auc_112: 0.5050
Epoch 261/700
267/267 [=====] - 1s 3ms/step - loss: 19.6226 -
auc_112: 0.5017 - val_loss: 10.6061 - val_auc_112: 0.5109
Epoch 262/700
267/267 [=====] - 1s 3ms/step - loss: 17.7014 -
auc_112: 0.5056 - val_loss: 13.0029 - val_auc_112: 0.5153
Epoch 263/700
267/267 [=====] - 1s 3ms/step - loss: 17.8430 -
auc_112: 0.5083 - val_loss: 16.9305 - val_auc_112: 0.4980
Epoch 264/700

267/267 [=====] - 1s 3ms/step - loss: 16.7662 -
auc_112: 0.5047 - val_loss: 18.5995 - val_auc_112: 0.4927
Epoch 265/700
267/267 [=====] - 1s 3ms/step - loss: 19.6197 -
auc_112: 0.5020 - val_loss: 34.6528 - val_auc_112: 0.5105
Epoch 266/700
267/267 [=====] - 1s 3ms/step - loss: 18.5387 -
auc_112: 0.5028 - val_loss: 20.4800 - val_auc_112: 0.5025
Epoch 267/700
267/267 [=====] - 1s 3ms/step - loss: 17.0889 -
auc_112: 0.5032 - val_loss: 19.6759 - val_auc_112: 0.5107
Epoch 268/700
267/267 [=====] - 1s 3ms/step - loss: 15.9701 -
auc_112: 0.5032 - val_loss: 9.6920 - val_auc_112: 0.4962
Epoch 269/700
267/267 [=====] - 1s 3ms/step - loss: 16.1469 -
auc_112: 0.5031 - val_loss: 8.7576 - val_auc_112: 0.4955
Epoch 270/700
267/267 [=====] - 1s 3ms/step - loss: 19.1639 -
auc_112: 0.5047 - val_loss: 34.8394 - val_auc_112: 0.5051
Epoch 271/700
267/267 [=====] - 1s 3ms/step - loss: 19.3791 -
auc_112: 0.5033 - val_loss: 23.7103 - val_auc_112: 0.5129
Epoch 272/700
267/267 [=====] - 1s 3ms/step - loss: 17.2577 -
auc_112: 0.5040 - val_loss: 22.3180 - val_auc_112: 0.5164
Epoch 273/700
267/267 [=====] - 1s 3ms/step - loss: 19.7102 -
auc_112: 0.5023 - val_loss: 17.7432 - val_auc_112: 0.4878
Epoch 274/700
267/267 [=====] - 1s 3ms/step - loss: 17.6128 -
auc_112: 0.5047 - val_loss: 12.9897 - val_auc_112: 0.5053
Epoch 275/700
267/267 [=====] - 1s 3ms/step - loss: 19.6317 -
auc_112: 0.5065 - val_loss: 20.2092 - val_auc_112: 0.5184
Epoch 276/700
267/267 [=====] - 1s 3ms/step - loss: 21.2702 -
auc_112: 0.5027 - val_loss: 19.0722 - val_auc_112: 0.5138
Epoch 277/700
267/267 [=====] - 1s 3ms/step - loss: 19.0294 -
auc_112: 0.5025 - val_loss: 13.6456 - val_auc_112: 0.4935
Epoch 278/700
267/267 [=====] - 1s 3ms/step - loss: 16.8719 -
auc_112: 0.5062 - val_loss: 15.6033 - val_auc_112: 0.5092
Epoch 279/700
267/267 [=====] - 1s 3ms/step - loss: 18.5708 -
auc_112: 0.5021 - val_loss: 47.7295 - val_auc_112: 0.5076
Epoch 280/700

267/267 [=====] - 1s 3ms/step - loss: 21.9634 -
auc_112: 0.4999 - val_loss: 26.5105 - val_auc_112: 0.4996
Epoch 281/700
267/267 [=====] - 1s 3ms/step - loss: 18.4655 -
auc_112: 0.5041 - val_loss: 11.4736 - val_auc_112: 0.4983
Epoch 282/700
267/267 [=====] - 1s 3ms/step - loss: 21.5839 -
auc_112: 0.5034 - val_loss: 11.5602 - val_auc_112: 0.4992
Epoch 283/700
267/267 [=====] - 1s 3ms/step - loss: 14.9613 -
auc_112: 0.5093 - val_loss: 22.9529 - val_auc_112: 0.5070
Epoch 284/700
267/267 [=====] - 1s 3ms/step - loss: 15.3803 -
auc_112: 0.5029 - val_loss: 12.0739 - val_auc_112: 0.5117
Epoch 285/700
267/267 [=====] - 1s 3ms/step - loss: 16.5813 -
auc_112: 0.5003 - val_loss: 17.9402 - val_auc_112: 0.5013
Epoch 286/700
267/267 [=====] - 1s 3ms/step - loss: 22.2793 -
auc_112: 0.5039 - val_loss: 12.1317 - val_auc_112: 0.5016
Epoch 287/700
267/267 [=====] - 1s 3ms/step - loss: 20.6571 -
auc_112: 0.5035 - val_loss: 16.3907 - val_auc_112: 0.4882
Epoch 288/700
267/267 [=====] - 1s 3ms/step - loss: 20.8367 -
auc_112: 0.5038 - val_loss: 11.0890 - val_auc_112: 0.5148
Epoch 289/700
267/267 [=====] - 1s 3ms/step - loss: 17.9176 -
auc_112: 0.5038 - val_loss: 40.7522 - val_auc_112: 0.5182
Epoch 290/700
267/267 [=====] - 1s 3ms/step - loss: 18.3002 -
auc_112: 0.5006 - val_loss: 18.4966 - val_auc_112: 0.4989
Epoch 291/700
267/267 [=====] - 1s 3ms/step - loss: 17.9027 -
auc_112: 0.5042 - val_loss: 30.8131 - val_auc_112: 0.4984
Epoch 292/700
267/267 [=====] - 1s 3ms/step - loss: 19.8824 -
auc_112: 0.5007 - val_loss: 10.1182 - val_auc_112: 0.5006
Epoch 293/700
267/267 [=====] - 1s 3ms/step - loss: 17.6561 -
auc_112: 0.5059 - val_loss: 16.5522 - val_auc_112: 0.5032
Epoch 294/700
267/267 [=====] - 1s 3ms/step - loss: 19.5092 -
auc_112: 0.5021 - val_loss: 19.0636 - val_auc_112: 0.5179
Epoch 295/700
267/267 [=====] - 1s 3ms/step - loss: 22.7284 -
auc_112: 0.5019 - val_loss: 26.7965 - val_auc_112: 0.5106
Epoch 296/700

267/267 [=====] - 1s 3ms/step - loss: 21.4533 -
auc_112: 0.5028 - val_loss: 16.8803 - val_auc_112: 0.4986
Epoch 297/700
267/267 [=====] - 1s 3ms/step - loss: 20.3715 -
auc_112: 0.5035 - val_loss: 28.2811 - val_auc_112: 0.4894
Epoch 298/700
267/267 [=====] - 1s 3ms/step - loss: 20.1573 -
auc_112: 0.5019 - val_loss: 16.0270 - val_auc_112: 0.4936
Epoch 299/700
267/267 [=====] - 1s 3ms/step - loss: 17.0414 -
auc_112: 0.5021 - val_loss: 9.2547 - val_auc_112: 0.4961
Epoch 300/700
267/267 [=====] - 1s 3ms/step - loss: 21.2306 -
auc_112: 0.5044 - val_loss: 25.8757 - val_auc_112: 0.5103
Epoch 301/700
267/267 [=====] - 1s 3ms/step - loss: 15.7584 -
auc_112: 0.5029 - val_loss: 10.8097 - val_auc_112: 0.4922
Epoch 302/700
267/267 [=====] - 1s 3ms/step - loss: 16.6616 -
auc_112: 0.5032 - val_loss: 17.4796 - val_auc_112: 0.5143
Epoch 303/700
267/267 [=====] - 1s 3ms/step - loss: 18.0435 -
auc_112: 0.5047 - val_loss: 13.8309 - val_auc_112: 0.4931
Epoch 304/700
267/267 [=====] - 1s 3ms/step - loss: 19.8368 -
auc_112: 0.5047 - val_loss: 10.4171 - val_auc_112: 0.4976
Epoch 305/700
267/267 [=====] - 1s 3ms/step - loss: 18.6034 -
auc_112: 0.4995 - val_loss: 25.8547 - val_auc_112: 0.5015
Epoch 306/700
267/267 [=====] - 1s 3ms/step - loss: 21.4722 -
auc_112: 0.5005 - val_loss: 20.5346 - val_auc_112: 0.5103
Epoch 307/700
267/267 [=====] - 1s 3ms/step - loss: 23.6891 -
auc_112: 0.5048 - val_loss: 38.0700 - val_auc_112: 0.4960
Epoch 308/700
267/267 [=====] - 1s 3ms/step - loss: 22.5558 -
auc_112: 0.5041 - val_loss: 45.1100 - val_auc_112: 0.5097
Epoch 309/700
267/267 [=====] - 1s 3ms/step - loss: 18.9223 -
auc_112: 0.5028 - val_loss: 28.3083 - val_auc_112: 0.5024
Epoch 310/700
267/267 [=====] - 1s 3ms/step - loss: 18.4282 -
auc_112: 0.5052 - val_loss: 8.1371 - val_auc_112: 0.5081
Epoch 311/700
267/267 [=====] - 1s 3ms/step - loss: 21.8018 -
auc_112: 0.5053 - val_loss: 19.7245 - val_auc_112: 0.5035
Epoch 312/700

267/267 [=====] - 1s 3ms/step - loss: 18.2302 -
auc_112: 0.5020 - val_loss: 28.7707 - val_auc_112: 0.4928
Epoch 313/700
267/267 [=====] - 1s 3ms/step - loss: 21.6699 -
auc_112: 0.5052 - val_loss: 46.3654 - val_auc_112: 0.4979
Epoch 314/700
267/267 [=====] - 1s 3ms/step - loss: 20.5862 -
auc_112: 0.5010 - val_loss: 25.4871 - val_auc_112: 0.4995
Epoch 315/700
267/267 [=====] - 1s 3ms/step - loss: 20.0539 -
auc_112: 0.5032 - val_loss: 12.7711 - val_auc_112: 0.4986
Epoch 316/700
267/267 [=====] - 1s 3ms/step - loss: 17.4077 -
auc_112: 0.5044 - val_loss: 21.7108 - val_auc_112: 0.5051
Epoch 317/700
267/267 [=====] - 1s 3ms/step - loss: 21.0345 -
auc_112: 0.5020 - val_loss: 5.5978 - val_auc_112: 0.5019
Epoch 318/700
267/267 [=====] - 1s 3ms/step - loss: 18.5128 -
auc_112: 0.5037 - val_loss: 11.5967 - val_auc_112: 0.4861
Epoch 319/700
267/267 [=====] - 1s 3ms/step - loss: 15.9960 -
auc_112: 0.4999 - val_loss: 31.7893 - val_auc_112: 0.4986
Epoch 320/700
267/267 [=====] - 1s 3ms/step - loss: 20.1261 -
auc_112: 0.5040 - val_loss: 22.1842 - val_auc_112: 0.4972
Epoch 321/700
267/267 [=====] - 1s 3ms/step - loss: 20.5827 -
auc_112: 0.4996 - val_loss: 44.4302 - val_auc_112: 0.5086
Epoch 322/700
267/267 [=====] - 1s 3ms/step - loss: 20.3663 -
auc_112: 0.5050 - val_loss: 17.3857 - val_auc_112: 0.4933
Epoch 323/700
267/267 [=====] - 1s 3ms/step - loss: 21.1377 -
auc_112: 0.5036 - val_loss: 12.1281 - val_auc_112: 0.5103
Epoch 324/700
267/267 [=====] - 1s 3ms/step - loss: 20.2534 -
auc_112: 0.5033 - val_loss: 21.2016 - val_auc_112: 0.4960
Epoch 325/700
267/267 [=====] - 1s 3ms/step - loss: 19.7138 -
auc_112: 0.5032 - val_loss: 14.0984 - val_auc_112: 0.5000
Epoch 326/700
267/267 [=====] - 1s 3ms/step - loss: 18.9711 -
auc_112: 0.5032 - val_loss: 6.4923 - val_auc_112: 0.4861
Epoch 327/700
267/267 [=====] - 1s 3ms/step - loss: 20.1806 -
auc_112: 0.5017 - val_loss: 46.3467 - val_auc_112: 0.5144
Epoch 328/700

267/267 [=====] - 1s 3ms/step - loss: 21.4986 -
 auc_112: 0.5068 - val_loss: 6.9000 - val_auc_112: 0.5106
 Epoch 329/700
 267/267 [=====] - 1s 3ms/step - loss: 25.5230 -
 auc_112: 0.5025 - val_loss: 16.4677 - val_auc_112: 0.4927
 Epoch 330/700
 267/267 [=====] - 1s 3ms/step - loss: 21.4653 -
 auc_112: 0.5034 - val_loss: 32.5898 - val_auc_112: 0.5055
 Epoch 331/700
 267/267 [=====] - 1s 3ms/step - loss: 18.3333 -
 auc_112: 0.5027 - val_loss: 38.0664 - val_auc_112: 0.4886
 Epoch 332/700
 267/267 [=====] - 1s 3ms/step - loss: 17.7956 -
 auc_112: 0.5064 - val_loss: 10.3002 - val_auc_112: 0.5084
 Epoch 333/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3028 -
 auc_112: 0.4992 - val_loss: 9.8264 - val_auc_112: 0.4959
 Epoch 334/700
 267/267 [=====] - 1s 3ms/step - loss: 17.4675 -
 auc_112: 0.5043 - val_loss: 33.0085 - val_auc_112: 0.5117
 Epoch 335/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3648 -
 auc_112: 0.5022 - val_loss: 8.6117 - val_auc_112: 0.5156
 Epoch 336/700
 267/267 [=====] - 1s 3ms/step - loss: 20.8637 -
 auc_112: 0.5058 - val_loss: 8.7557 - val_auc_112: 0.5051
 Epoch 337/700
 267/267 [=====] - 1s 3ms/step - loss: 19.1283 -
 auc_112: 0.5073 - val_loss: 7.3887 - val_auc_112: 0.5114
 Epoch 338/700
 267/267 [=====] - 1s 3ms/step - loss: 18.6057 -
 auc_112: 0.5034 - val_loss: 12.1467 - val_auc_112: 0.4992
 Epoch 339/700
 267/267 [=====] - 1s 3ms/step - loss: 18.4709 -
 auc_112: 0.5042 - val_loss: 20.6558 - val_auc_112: 0.5073
 Epoch 340/700
 267/267 [=====] - 1s 3ms/step - loss: 19.8328 -
 auc_112: 0.5075 - val_loss: 17.9062 - val_auc_112: 0.4971
 Epoch 341/700
 267/267 [=====] - 1s 3ms/step - loss: 23.1716 -
 auc_112: 0.5006 - val_loss: 15.5571 - val_auc_112: 0.4946
 Epoch 342/700
 267/267 [=====] - 1s 3ms/step - loss: 16.4524 -
 auc_112: 0.5046 - val_loss: 22.7354 - val_auc_112: 0.5086
 Epoch 343/700
 267/267 [=====] - 1s 3ms/step - loss: 17.1814 -
 auc_112: 0.5035 - val_loss: 11.2917 - val_auc_112: 0.4891
 Epoch 344/700

267/267 [=====] - 1s 3ms/step - loss: 22.0007 -
auc_112: 0.5061 - val_loss: 12.8686 - val_auc_112: 0.5072
Epoch 345/700
267/267 [=====] - 1s 3ms/step - loss: 20.1451 -
auc_112: 0.5044 - val_loss: 23.2146 - val_auc_112: 0.4958
Epoch 346/700
267/267 [=====] - 1s 3ms/step - loss: 23.6258 -
auc_112: 0.5047 - val_loss: 19.0853 - val_auc_112: 0.4957
Epoch 347/700
267/267 [=====] - 1s 3ms/step - loss: 20.3745 -
auc_112: 0.5039 - val_loss: 29.6816 - val_auc_112: 0.5081
Epoch 348/700
267/267 [=====] - 1s 3ms/step - loss: 19.6375 -
auc_112: 0.5030 - val_loss: 18.1700 - val_auc_112: 0.4985
Epoch 349/700
267/267 [=====] - 1s 3ms/step - loss: 18.5537 -
auc_112: 0.5057 - val_loss: 25.4754 - val_auc_112: 0.5028
Epoch 350/700
267/267 [=====] - 1s 3ms/step - loss: 17.5761 -
auc_112: 0.5007 - val_loss: 10.6000 - val_auc_112: 0.5072
Epoch 351/700
267/267 [=====] - 1s 3ms/step - loss: 17.7397 -
auc_112: 0.5040 - val_loss: 15.6590 - val_auc_112: 0.4921
Epoch 352/700
267/267 [=====] - 1s 3ms/step - loss: 16.8078 -
auc_112: 0.5007 - val_loss: 8.9538 - val_auc_112: 0.5056
Epoch 353/700
267/267 [=====] - 1s 3ms/step - loss: 20.8180 -
auc_112: 0.5016 - val_loss: 11.7233 - val_auc_112: 0.5125
Epoch 354/700
267/267 [=====] - 1s 3ms/step - loss: 19.4410 -
auc_112: 0.5039 - val_loss: 24.8419 - val_auc_112: 0.5019
Epoch 355/700
267/267 [=====] - 1s 3ms/step - loss: 18.1638 -
auc_112: 0.5022 - val_loss: 10.9456 - val_auc_112: 0.5088
Epoch 356/700
267/267 [=====] - 1s 3ms/step - loss: 19.8425 -
auc_112: 0.5007 - val_loss: 41.9283 - val_auc_112: 0.5043
Epoch 357/700
267/267 [=====] - 1s 3ms/step - loss: 18.4232 -
auc_112: 0.5060 - val_loss: 12.4740 - val_auc_112: 0.5068
Epoch 358/700
267/267 [=====] - 1s 3ms/step - loss: 22.5743 -
auc_112: 0.5085 - val_loss: 14.5454 - val_auc_112: 0.4953
Epoch 359/700
267/267 [=====] - 1s 3ms/step - loss: 16.4102 -
auc_112: 0.5046 - val_loss: 23.9967 - val_auc_112: 0.5016
Epoch 360/700

267/267 [=====] - 1s 3ms/step - loss: 19.3414 -
auc_112: 0.5012 - val_loss: 42.2172 - val_auc_112: 0.4947
Epoch 361/700
267/267 [=====] - 1s 3ms/step - loss: 17.5835 -
auc_112: 0.5023 - val_loss: 8.1606 - val_auc_112: 0.5065
Epoch 362/700
267/267 [=====] - 1s 3ms/step - loss: 20.3507 -
auc_112: 0.5033 - val_loss: 25.4230 - val_auc_112: 0.4971
Epoch 363/700
267/267 [=====] - 1s 3ms/step - loss: 17.5677 -
auc_112: 0.5060 - val_loss: 22.9074 - val_auc_112: 0.4896
Epoch 364/700
267/267 [=====] - 1s 3ms/step - loss: 19.9166 -
auc_112: 0.5025 - val_loss: 12.6848 - val_auc_112: 0.4990
Epoch 365/700
267/267 [=====] - 1s 3ms/step - loss: 17.6010 -
auc_112: 0.5000 - val_loss: 26.0376 - val_auc_112: 0.4943
Epoch 366/700
267/267 [=====] - 1s 3ms/step - loss: 21.6187 -
auc_112: 0.5062 - val_loss: 15.5523 - val_auc_112: 0.5018
Epoch 367/700
267/267 [=====] - 1s 3ms/step - loss: 19.6482 -
auc_112: 0.5038 - val_loss: 15.5729 - val_auc_112: 0.5012
Epoch 368/700
267/267 [=====] - 1s 3ms/step - loss: 21.3688 -
auc_112: 0.5000 - val_loss: 42.2422 - val_auc_112: 0.5059
Epoch 369/700
267/267 [=====] - 1s 3ms/step - loss: 24.7342 -
auc_112: 0.5013 - val_loss: 13.4995 - val_auc_112: 0.5139
Epoch 370/700
267/267 [=====] - 1s 3ms/step - loss: 19.6831 -
auc_112: 0.5021 - val_loss: 24.3343 - val_auc_112: 0.4990
Epoch 371/700
267/267 [=====] - 1s 3ms/step - loss: 21.0524 -
auc_112: 0.5008 - val_loss: 15.6282 - val_auc_112: 0.5097
Epoch 372/700
267/267 [=====] - 1s 3ms/step - loss: 19.5739 -
auc_112: 0.5032 - val_loss: 26.8778 - val_auc_112: 0.4964
Epoch 373/700
267/267 [=====] - 1s 3ms/step - loss: 16.8486 -
auc_112: 0.5014 - val_loss: 22.3830 - val_auc_112: 0.5099
Epoch 374/700
267/267 [=====] - 1s 3ms/step - loss: 17.1446 -
auc_112: 0.5033 - val_loss: 10.6138 - val_auc_112: 0.5088
Epoch 375/700
267/267 [=====] - 1s 3ms/step - loss: 18.0213 -
auc_112: 0.5021 - val_loss: 27.9622 - val_auc_112: 0.5036
Epoch 376/700

267/267 [=====] - 1s 3ms/step - loss: 20.4438 -
auc_112: 0.5034 - val_loss: 17.5157 - val_auc_112: 0.5058
Epoch 377/700
267/267 [=====] - 1s 3ms/step - loss: 20.2087 -
auc_112: 0.5020 - val_loss: 9.3572 - val_auc_112: 0.5125
Epoch 378/700
267/267 [=====] - 1s 3ms/step - loss: 15.9726 -
auc_112: 0.5044 - val_loss: 17.9702 - val_auc_112: 0.5051
Epoch 379/700
267/267 [=====] - 1s 3ms/step - loss: 21.7934 -
auc_112: 0.5003 - val_loss: 15.2785 - val_auc_112: 0.5097
Epoch 380/700
267/267 [=====] - 1s 3ms/step - loss: 21.2699 -
auc_112: 0.5021 - val_loss: 20.5020 - val_auc_112: 0.5094
Epoch 381/700
267/267 [=====] - 1s 3ms/step - loss: 18.9571 -
auc_112: 0.5026 - val_loss: 33.0744 - val_auc_112: 0.5047
Epoch 382/700
267/267 [=====] - 1s 3ms/step - loss: 19.1290 -
auc_112: 0.5033 - val_loss: 17.4626 - val_auc_112: 0.4975
Epoch 383/700
267/267 [=====] - 1s 3ms/step - loss: 20.7254 -
auc_112: 0.5023 - val_loss: 13.1354 - val_auc_112: 0.4954
Epoch 384/700
267/267 [=====] - 1s 3ms/step - loss: 19.9213 -
auc_112: 0.5020 - val_loss: 35.2175 - val_auc_112: 0.5006
Epoch 385/700
267/267 [=====] - 1s 3ms/step - loss: 24.0206 -
auc_112: 0.4999 - val_loss: 7.8186 - val_auc_112: 0.4893
Epoch 386/700
267/267 [=====] - 1s 3ms/step - loss: 18.5463 -
auc_112: 0.5001 - val_loss: 18.0525 - val_auc_112: 0.5132
Epoch 387/700
267/267 [=====] - 1s 3ms/step - loss: 15.4673 -
auc_112: 0.5029 - val_loss: 5.4929 - val_auc_112: 0.4939
Epoch 388/700
267/267 [=====] - 1s 3ms/step - loss: 20.0351 -
auc_112: 0.5031 - val_loss: 24.0495 - val_auc_112: 0.5037
Epoch 389/700
267/267 [=====] - 1s 3ms/step - loss: 18.9914 -
auc_112: 0.5016 - val_loss: 11.5399 - val_auc_112: 0.5065
Epoch 390/700
267/267 [=====] - 1s 3ms/step - loss: 19.2952 -
auc_112: 0.5059 - val_loss: 19.0315 - val_auc_112: 0.4946
Epoch 391/700
267/267 [=====] - 1s 3ms/step - loss: 19.6742 -
auc_112: 0.5023 - val_loss: 17.6865 - val_auc_112: 0.5092
Epoch 392/700

267/267 [=====] - 1s 3ms/step - loss: 23.9067 -
 auc_112: 0.5032 - val_loss: 33.9313 - val_auc_112: 0.4940
 Epoch 393/700
 267/267 [=====] - 1s 3ms/step - loss: 20.7701 -
 auc_112: 0.5038 - val_loss: 36.9416 - val_auc_112: 0.5057
 Epoch 394/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0172 -
 auc_112: 0.4997 - val_loss: 13.9104 - val_auc_112: 0.4944
 Epoch 395/700
 267/267 [=====] - 1s 3ms/step - loss: 18.2745 -
 auc_112: 0.5028 - val_loss: 20.2476 - val_auc_112: 0.4926
 Epoch 396/700
 267/267 [=====] - 1s 3ms/step - loss: 22.0847 -
 auc_112: 0.5019 - val_loss: 19.0836 - val_auc_112: 0.5060
 Epoch 397/700
 267/267 [=====] - 1s 3ms/step - loss: 20.6482 -
 auc_112: 0.5027 - val_loss: 41.6331 - val_auc_112: 0.5054
 Epoch 398/700
 267/267 [=====] - 1s 3ms/step - loss: 18.6587 -
 auc_112: 0.5041 - val_loss: 41.0922 - val_auc_112: 0.5012
 Epoch 399/700
 267/267 [=====] - 1s 3ms/step - loss: 20.1112 -
 auc_112: 0.5062 - val_loss: 15.0463 - val_auc_112: 0.4939
 Epoch 400/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1647 -
 auc_112: 0.5012 - val_loss: 21.9856 - val_auc_112: 0.5059
 Epoch 401/700
 267/267 [=====] - 1s 3ms/step - loss: 20.3425 -
 auc_112: 0.5038 - val_loss: 58.1163 - val_auc_112: 0.5037
 Epoch 402/700
 267/267 [=====] - 1s 3ms/step - loss: 22.8485 -
 auc_112: 0.5061 - val_loss: 18.8597 - val_auc_112: 0.4912
 Epoch 403/700
 267/267 [=====] - 1s 3ms/step - loss: 21.2893 -
 auc_112: 0.5007 - val_loss: 26.7158 - val_auc_112: 0.5051
 Epoch 404/700
 267/267 [=====] - 1s 3ms/step - loss: 17.9470 -
 auc_112: 0.5015 - val_loss: 16.5560 - val_auc_112: 0.5047
 Epoch 405/700
 267/267 [=====] - 1s 3ms/step - loss: 18.6378 -
 auc_112: 0.5051 - val_loss: 4.5291 - val_auc_112: 0.5064
 Epoch 406/700
 267/267 [=====] - 1s 3ms/step - loss: 18.4793 -
 auc_112: 0.5013 - val_loss: 23.2688 - val_auc_112: 0.5081
 Epoch 407/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0139 -
 auc_112: 0.5031 - val_loss: 7.8035 - val_auc_112: 0.4964
 Epoch 408/700

267/267 [=====] - 1s 3ms/step - loss: 21.6948 -
auc_112: 0.5023 - val_loss: 19.3663 - val_auc_112: 0.5030
Epoch 409/700
267/267 [=====] - 1s 3ms/step - loss: 17.7802 -
auc_112: 0.5040 - val_loss: 19.2643 - val_auc_112: 0.5034
Epoch 410/700
267/267 [=====] - 1s 3ms/step - loss: 18.6312 -
auc_112: 0.5048 - val_loss: 20.9635 - val_auc_112: 0.5043
Epoch 411/700
267/267 [=====] - 1s 3ms/step - loss: 20.8131 -
auc_112: 0.5048 - val_loss: 23.8632 - val_auc_112: 0.5014
Epoch 412/700
267/267 [=====] - 1s 3ms/step - loss: 15.7267 -
auc_112: 0.5037 - val_loss: 9.3731 - val_auc_112: 0.5062
Epoch 413/700
267/267 [=====] - 1s 3ms/step - loss: 20.8686 -
auc_112: 0.5010 - val_loss: 9.8588 - val_auc_112: 0.5036
Epoch 414/700
267/267 [=====] - 1s 3ms/step - loss: 19.8150 -
auc_112: 0.5058 - val_loss: 19.2340 - val_auc_112: 0.4978
Epoch 415/700
267/267 [=====] - 1s 3ms/step - loss: 16.3300 -
auc_112: 0.5063 - val_loss: 17.9193 - val_auc_112: 0.4924
Epoch 416/700
267/267 [=====] - 1s 3ms/step - loss: 16.5457 -
auc_112: 0.5054 - val_loss: 23.7971 - val_auc_112: 0.5069
Epoch 417/700
267/267 [=====] - 1s 3ms/step - loss: 23.6106 -
auc_112: 0.5022 - val_loss: 28.8649 - val_auc_112: 0.4967
Epoch 418/700
267/267 [=====] - 1s 3ms/step - loss: 15.4308 -
auc_112: 0.5026 - val_loss: 29.3275 - val_auc_112: 0.5071
Epoch 419/700
267/267 [=====] - 1s 3ms/step - loss: 22.9182 -
auc_112: 0.5041 - val_loss: 5.7811 - val_auc_112: 0.5003
Epoch 420/700
267/267 [=====] - 1s 3ms/step - loss: 17.9464 -
auc_112: 0.5071 - val_loss: 7.4005 - val_auc_112: 0.5112
Epoch 421/700
267/267 [=====] - 1s 3ms/step - loss: 17.3596 -
auc_112: 0.5027 - val_loss: 43.4261 - val_auc_112: 0.5036
Epoch 422/700
267/267 [=====] - 1s 3ms/step - loss: 21.7780 -
auc_112: 0.5044 - val_loss: 11.3751 - val_auc_112: 0.4969
Epoch 423/700
267/267 [=====] - 1s 3ms/step - loss: 15.1649 -
auc_112: 0.5041 - val_loss: 16.5471 - val_auc_112: 0.5055
Epoch 424/700

267/267 [=====] - 1s 3ms/step - loss: 19.5225 -
 auc_112: 0.5021 - val_loss: 29.9038 - val_auc_112: 0.5035
 Epoch 425/700
 267/267 [=====] - 1s 3ms/step - loss: 20.5722 -
 auc_112: 0.5026 - val_loss: 25.3507 - val_auc_112: 0.4976
 Epoch 426/700
 267/267 [=====] - 1s 3ms/step - loss: 16.4438 -
 auc_112: 0.5022 - val_loss: 38.6725 - val_auc_112: 0.4905
 Epoch 427/700
 267/267 [=====] - 1s 3ms/step - loss: 20.1279 -
 auc_112: 0.5042 - val_loss: 25.6104 - val_auc_112: 0.5081
 Epoch 428/700
 267/267 [=====] - 1s 3ms/step - loss: 18.4652 -
 auc_112: 0.5018 - val_loss: 9.4850 - val_auc_112: 0.4939
 Epoch 429/700
 267/267 [=====] - 1s 3ms/step - loss: 17.3660 -
 auc_112: 0.5037 - val_loss: 22.9421 - val_auc_112: 0.4925
 Epoch 430/700
 267/267 [=====] - 1s 3ms/step - loss: 19.9159 -
 auc_112: 0.5034 - val_loss: 14.3131 - val_auc_112: 0.5090
 Epoch 431/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3967 -
 auc_112: 0.5016 - val_loss: 29.2035 - val_auc_112: 0.5066
 Epoch 432/700
 267/267 [=====] - 1s 3ms/step - loss: 25.3104 -
 auc_112: 0.5003 - val_loss: 29.7428 - val_auc_112: 0.5071
 Epoch 433/700
 267/267 [=====] - 1s 3ms/step - loss: 17.5026 -
 auc_112: 0.5033 - val_loss: 25.2524 - val_auc_112: 0.5162
 Epoch 434/700
 267/267 [=====] - 1s 3ms/step - loss: 16.2120 -
 auc_112: 0.5025 - val_loss: 23.4428 - val_auc_112: 0.4991
 Epoch 435/700
 267/267 [=====] - 1s 3ms/step - loss: 16.8715 -
 auc_112: 0.5042 - val_loss: 18.6113 - val_auc_112: 0.4963
 Epoch 436/700
 267/267 [=====] - 1s 3ms/step - loss: 24.5311 -
 auc_112: 0.5024 - val_loss: 32.5660 - val_auc_112: 0.5074
 Epoch 437/700
 267/267 [=====] - 1s 3ms/step - loss: 22.2563 -
 auc_112: 0.5034 - val_loss: 50.4618 - val_auc_112: 0.5009
 Epoch 438/700
 267/267 [=====] - 1s 3ms/step - loss: 24.9402 -
 auc_112: 0.5010 - val_loss: 21.7913 - val_auc_112: 0.5034
 Epoch 439/700
 267/267 [=====] - 1s 3ms/step - loss: 19.9320 -
 auc_112: 0.5046 - val_loss: 5.7747 - val_auc_112: 0.5105
 Epoch 440/700

267/267 [=====] - 1s 3ms/step - loss: 18.8169 -
auc_112: 0.4998 - val_loss: 16.0755 - val_auc_112: 0.5091
Epoch 441/700
267/267 [=====] - 1s 3ms/step - loss: 21.0872 -
auc_112: 0.5027 - val_loss: 24.3232 - val_auc_112: 0.5036
Epoch 442/700
267/267 [=====] - 1s 3ms/step - loss: 20.3686 -
auc_112: 0.5044 - val_loss: 10.0303 - val_auc_112: 0.5095
Epoch 443/700
267/267 [=====] - 1s 3ms/step - loss: 22.2336 -
auc_112: 0.5021 - val_loss: 25.1949 - val_auc_112: 0.4925
Epoch 444/700
267/267 [=====] - 1s 3ms/step - loss: 19.7890 -
auc_112: 0.5066 - val_loss: 15.0818 - val_auc_112: 0.5133
Epoch 445/700
267/267 [=====] - 1s 3ms/step - loss: 20.9271 -
auc_112: 0.5052 - val_loss: 26.7166 - val_auc_112: 0.5097
Epoch 446/700
267/267 [=====] - 1s 3ms/step - loss: 22.6526 -
auc_112: 0.5043 - val_loss: 10.5642 - val_auc_112: 0.4966
Epoch 447/700
267/267 [=====] - 1s 3ms/step - loss: 19.3361 -
auc_112: 0.5064 - val_loss: 17.6208 - val_auc_112: 0.5004
Epoch 448/700
267/267 [=====] - 1s 3ms/step - loss: 18.5263 -
auc_112: 0.5022 - val_loss: 25.0538 - val_auc_112: 0.4997
Epoch 449/700
267/267 [=====] - 1s 3ms/step - loss: 17.2711 -
auc_112: 0.5024 - val_loss: 17.8007 - val_auc_112: 0.5079
Epoch 450/700
267/267 [=====] - 1s 3ms/step - loss: 20.1749 -
auc_112: 0.5057 - val_loss: 26.5095 - val_auc_112: 0.4999
Epoch 451/700
267/267 [=====] - 1s 3ms/step - loss: 22.6794 -
auc_112: 0.5021 - val_loss: 13.0557 - val_auc_112: 0.4989
Epoch 452/700
267/267 [=====] - 1s 3ms/step - loss: 19.2448 -
auc_112: 0.4991 - val_loss: 12.3348 - val_auc_112: 0.4910
Epoch 453/700
267/267 [=====] - 1s 3ms/step - loss: 18.2662 -
auc_112: 0.4978 - val_loss: 13.1576 - val_auc_112: 0.4953
Epoch 454/700
267/267 [=====] - 1s 3ms/step - loss: 18.0350 -
auc_112: 0.5013 - val_loss: 19.1355 - val_auc_112: 0.4949
Epoch 455/700
267/267 [=====] - 1s 3ms/step - loss: 21.3470 -
auc_112: 0.5014 - val_loss: 22.3058 - val_auc_112: 0.5079
Epoch 456/700

267/267 [=====] - 1s 3ms/step - loss: 19.2780 -
auc_112: 0.4999 - val_loss: 14.6678 - val_auc_112: 0.5071
Epoch 457/700
267/267 [=====] - 1s 3ms/step - loss: 18.6078 -
auc_112: 0.5038 - val_loss: 16.3700 - val_auc_112: 0.5012
Epoch 458/700
267/267 [=====] - 1s 3ms/step - loss: 24.2740 -
auc_112: 0.5039 - val_loss: 24.0345 - val_auc_112: 0.4991
Epoch 459/700
267/267 [=====] - 1s 3ms/step - loss: 18.6799 -
auc_112: 0.5020 - val_loss: 15.6925 - val_auc_112: 0.5174
Epoch 460/700
267/267 [=====] - 1s 3ms/step - loss: 17.6562 -
auc_112: 0.5024 - val_loss: 10.0715 - val_auc_112: 0.5117
Epoch 461/700
267/267 [=====] - 1s 3ms/step - loss: 18.7785 -
auc_112: 0.5026 - val_loss: 33.0445 - val_auc_112: 0.5011
Epoch 462/700
267/267 [=====] - 1s 3ms/step - loss: 19.9810 -
auc_112: 0.5012 - val_loss: 12.4840 - val_auc_112: 0.5073
Epoch 463/700
267/267 [=====] - 1s 3ms/step - loss: 21.5782 -
auc_112: 0.5010 - val_loss: 27.2943 - val_auc_112: 0.4973
Epoch 464/700
267/267 [=====] - 1s 3ms/step - loss: 20.7905 -
auc_112: 0.4994 - val_loss: 12.9233 - val_auc_112: 0.4946
Epoch 465/700
267/267 [=====] - 1s 3ms/step - loss: 14.5075 -
auc_112: 0.5076 - val_loss: 9.5001 - val_auc_112: 0.5033
Epoch 466/700
267/267 [=====] - 1s 3ms/step - loss: 15.4003 -
auc_112: 0.5034 - val_loss: 13.6269 - val_auc_112: 0.5053
Epoch 467/700
267/267 [=====] - 1s 3ms/step - loss: 21.3149 -
auc_112: 0.5029 - val_loss: 9.2402 - val_auc_112: 0.5003
Epoch 468/700
267/267 [=====] - 1s 3ms/step - loss: 19.5777 -
auc_112: 0.5054 - val_loss: 44.4683 - val_auc_112: 0.4897
Epoch 469/700
267/267 [=====] - 1s 3ms/step - loss: 23.1308 -
auc_112: 0.5022 - val_loss: 36.5727 - val_auc_112: 0.4967
Epoch 470/700
267/267 [=====] - 1s 3ms/step - loss: 18.9998 -
auc_112: 0.5015 - val_loss: 19.3236 - val_auc_112: 0.5016
Epoch 471/700
267/267 [=====] - 1s 3ms/step - loss: 17.5099 -
auc_112: 0.5016 - val_loss: 8.3452 - val_auc_112: 0.5098
Epoch 472/700

267/267 [=====] - 1s 3ms/step - loss: 21.2456 -
auc_112: 0.5035 - val_loss: 42.1048 - val_auc_112: 0.5024
Epoch 473/700
267/267 [=====] - 1s 3ms/step - loss: 17.7181 -
auc_112: 0.5032 - val_loss: 15.8076 - val_auc_112: 0.4975
Epoch 474/700
267/267 [=====] - 1s 3ms/step - loss: 19.2994 -
auc_112: 0.5050 - val_loss: 33.3674 - val_auc_112: 0.5117
Epoch 475/700
267/267 [=====] - 1s 3ms/step - loss: 18.1768 -
auc_112: 0.5050 - val_loss: 16.3988 - val_auc_112: 0.4884
Epoch 476/700
267/267 [=====] - 1s 3ms/step - loss: 20.1985 -
auc_112: 0.5055 - val_loss: 19.3242 - val_auc_112: 0.5101
Epoch 477/700
267/267 [=====] - 1s 3ms/step - loss: 24.0970 -
auc_112: 0.5053 - val_loss: 28.2481 - val_auc_112: 0.5036
Epoch 478/700
267/267 [=====] - 1s 3ms/step - loss: 21.0020 -
auc_112: 0.5050 - val_loss: 38.6805 - val_auc_112: 0.4868
Epoch 479/700
267/267 [=====] - 1s 3ms/step - loss: 16.6350 -
auc_112: 0.5059 - val_loss: 8.2377 - val_auc_112: 0.4983
Epoch 480/700
267/267 [=====] - 1s 3ms/step - loss: 20.6098 -
auc_112: 0.5020 - val_loss: 12.0958 - val_auc_112: 0.4888
Epoch 481/700
267/267 [=====] - 1s 3ms/step - loss: 17.5172 -
auc_112: 0.5033 - val_loss: 5.6738 - val_auc_112: 0.5041
Epoch 482/700
267/267 [=====] - 1s 3ms/step - loss: 19.7280 -
auc_112: 0.5041 - val_loss: 33.9920 - val_auc_112: 0.4971
Epoch 483/700
267/267 [=====] - 1s 3ms/step - loss: 20.3097 -
auc_112: 0.4988 - val_loss: 23.0640 - val_auc_112: 0.5039
Epoch 484/700
267/267 [=====] - 1s 3ms/step - loss: 18.6966 -
auc_112: 0.5042 - val_loss: 19.8688 - val_auc_112: 0.5057
Epoch 485/700
267/267 [=====] - 1s 3ms/step - loss: 23.1710 -
auc_112: 0.5038 - val_loss: 33.4384 - val_auc_112: 0.5015
Epoch 486/700
267/267 [=====] - 1s 3ms/step - loss: 22.2759 -
auc_112: 0.5053 - val_loss: 26.3275 - val_auc_112: 0.5120
Epoch 487/700
267/267 [=====] - 1s 3ms/step - loss: 21.6499 -
auc_112: 0.5039 - val_loss: 9.5034 - val_auc_112: 0.5162
Epoch 488/700

267/267 [=====] - 1s 3ms/step - loss: 18.2604 -
auc_112: 0.5055 - val_loss: 7.4829 - val_auc_112: 0.5006
Epoch 489/700
267/267 [=====] - 1s 3ms/step - loss: 22.3005 -
auc_112: 0.5062 - val_loss: 27.6981 - val_auc_112: 0.5114
Epoch 490/700
267/267 [=====] - 1s 3ms/step - loss: 20.3954 -
auc_112: 0.5049 - val_loss: 10.9763 - val_auc_112: 0.4929
Epoch 491/700
267/267 [=====] - 1s 3ms/step - loss: 18.9522 -
auc_112: 0.5025 - val_loss: 6.6766 - val_auc_112: 0.5066
Epoch 492/700
267/267 [=====] - 1s 3ms/step - loss: 20.4609 -
auc_112: 0.5044 - val_loss: 29.9418 - val_auc_112: 0.5112
Epoch 493/700
267/267 [=====] - 1s 3ms/step - loss: 20.3296 -
auc_112: 0.5027 - val_loss: 12.3649 - val_auc_112: 0.5122
Epoch 494/700
267/267 [=====] - 1s 3ms/step - loss: 17.0787 -
auc_112: 0.4998 - val_loss: 20.5656 - val_auc_112: 0.4953
Epoch 495/700
267/267 [=====] - 1s 3ms/step - loss: 19.0324 -
auc_112: 0.5045 - val_loss: 17.3903 - val_auc_112: 0.4900
Epoch 496/700
267/267 [=====] - 1s 3ms/step - loss: 20.1140 -
auc_112: 0.5080 - val_loss: 17.5892 - val_auc_112: 0.5116
Epoch 497/700
267/267 [=====] - 1s 3ms/step - loss: 19.9015 -
auc_112: 0.5044 - val_loss: 23.1767 - val_auc_112: 0.4981
Epoch 498/700
267/267 [=====] - 1s 3ms/step - loss: 17.4956 -
auc_112: 0.4989 - val_loss: 5.8288 - val_auc_112: 0.5075
Epoch 499/700
267/267 [=====] - 1s 3ms/step - loss: 20.3887 -
auc_112: 0.5001 - val_loss: 8.6241 - val_auc_112: 0.4942
Epoch 500/700
267/267 [=====] - 1s 3ms/step - loss: 21.8145 -
auc_112: 0.5045 - val_loss: 12.4375 - val_auc_112: 0.5098
Epoch 501/700
267/267 [=====] - 1s 3ms/step - loss: 20.2942 -
auc_112: 0.5040 - val_loss: 5.4759 - val_auc_112: 0.5086
Epoch 502/700
267/267 [=====] - 1s 3ms/step - loss: 18.1787 -
auc_112: 0.5009 - val_loss: 16.3016 - val_auc_112: 0.5015
Epoch 503/700
267/267 [=====] - 1s 3ms/step - loss: 18.4373 -
auc_112: 0.5031 - val_loss: 21.9811 - val_auc_112: 0.5101
Epoch 504/700

267/267 [=====] - 1s 3ms/step - loss: 15.4024 -
auc_112: 0.5043 - val_loss: 23.1949 - val_auc_112: 0.4840
Epoch 505/700
267/267 [=====] - 1s 3ms/step - loss: 20.4766 -
auc_112: 0.5039 - val_loss: 16.9664 - val_auc_112: 0.5041
Epoch 506/700
267/267 [=====] - 1s 3ms/step - loss: 16.9824 -
auc_112: 0.5045 - val_loss: 23.6967 - val_auc_112: 0.5033
Epoch 507/700
267/267 [=====] - 1s 3ms/step - loss: 18.8054 -
auc_112: 0.5038 - val_loss: 30.7546 - val_auc_112: 0.5092
Epoch 508/700
267/267 [=====] - 1s 3ms/step - loss: 16.4194 -
auc_112: 0.5038 - val_loss: 23.1352 - val_auc_112: 0.4991
Epoch 509/700
267/267 [=====] - 1s 3ms/step - loss: 19.1752 -
auc_112: 0.5013 - val_loss: 25.6938 - val_auc_112: 0.5032
Epoch 510/700
267/267 [=====] - 1s 3ms/step - loss: 18.4487 -
auc_112: 0.5022 - val_loss: 30.7765 - val_auc_112: 0.5025
Epoch 511/700
267/267 [=====] - 1s 3ms/step - loss: 21.9284 -
auc_112: 0.5053 - val_loss: 31.8453 - val_auc_112: 0.5040
Epoch 512/700
267/267 [=====] - 1s 3ms/step - loss: 23.7496 -
auc_112: 0.4992 - val_loss: 31.8425 - val_auc_112: 0.4897
Epoch 513/700
267/267 [=====] - 1s 3ms/step - loss: 19.5882 -
auc_112: 0.5009 - val_loss: 22.9003 - val_auc_112: 0.5159
Epoch 514/700
267/267 [=====] - 1s 3ms/step - loss: 19.9292 -
auc_112: 0.5033 - val_loss: 48.3313 - val_auc_112: 0.5026
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 19.3212 -
auc_112: 0.5055 - val_loss: 8.3848 - val_auc_112: 0.4905
Epoch 516/700
267/267 [=====] - 1s 3ms/step - loss: 18.7809 -
auc_112: 0.5054 - val_loss: 11.3707 - val_auc_112: 0.5152
Epoch 517/700
267/267 [=====] - 1s 3ms/step - loss: 20.7537 -
auc_112: 0.5002 - val_loss: 9.9218 - val_auc_112: 0.5052
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 19.4187 -
auc_112: 0.5018 - val_loss: 12.8258 - val_auc_112: 0.5068
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 17.9111 -
auc_112: 0.5029 - val_loss: 16.5254 - val_auc_112: 0.4810
Epoch 520/700

267/267 [=====] - 1s 3ms/step - loss: 20.0169 -
auc_112: 0.5012 - val_loss: 18.5999 - val_auc_112: 0.4943
Epoch 521/700
267/267 [=====] - 1s 3ms/step - loss: 18.0940 -
auc_112: 0.5041 - val_loss: 11.4734 - val_auc_112: 0.5016
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 16.5614 -
auc_112: 0.5058 - val_loss: 27.2230 - val_auc_112: 0.5094
Epoch 523/700
267/267 [=====] - 1s 3ms/step - loss: 18.3708 -
auc_112: 0.5034 - val_loss: 11.4014 - val_auc_112: 0.5051
Epoch 524/700
267/267 [=====] - 1s 3ms/step - loss: 17.1993 -
auc_112: 0.5010 - val_loss: 12.6201 - val_auc_112: 0.5108
Epoch 525/700
267/267 [=====] - 1s 3ms/step - loss: 21.6194 -
auc_112: 0.5034 - val_loss: 14.6395 - val_auc_112: 0.5024
Epoch 526/700
267/267 [=====] - 1s 3ms/step - loss: 18.6492 -
auc_112: 0.5067 - val_loss: 14.9228 - val_auc_112: 0.4920
Epoch 527/700
267/267 [=====] - 1s 3ms/step - loss: 21.6821 -
auc_112: 0.5015 - val_loss: 21.4346 - val_auc_112: 0.4987
Epoch 528/700
267/267 [=====] - 1s 3ms/step - loss: 17.5172 -
auc_112: 0.5007 - val_loss: 10.0095 - val_auc_112: 0.5097
Epoch 529/700
267/267 [=====] - 1s 3ms/step - loss: 17.5935 -
auc_112: 0.5039 - val_loss: 12.6701 - val_auc_112: 0.5128
Epoch 530/700
267/267 [=====] - 1s 3ms/step - loss: 18.4638 -
auc_112: 0.5007 - val_loss: 19.8716 - val_auc_112: 0.5005
Epoch 531/700
267/267 [=====] - 1s 3ms/step - loss: 20.1556 -
auc_112: 0.5031 - val_loss: 7.6225 - val_auc_112: 0.4995
Epoch 532/700
267/267 [=====] - 1s 3ms/step - loss: 20.0210 -
auc_112: 0.5023 - val_loss: 18.2620 - val_auc_112: 0.4928
Epoch 533/700
267/267 [=====] - 1s 3ms/step - loss: 19.8966 -
auc_112: 0.5030 - val_loss: 10.6862 - val_auc_112: 0.4999
Epoch 534/700
267/267 [=====] - 1s 3ms/step - loss: 18.5429 -
auc_112: 0.5028 - val_loss: 23.8919 - val_auc_112: 0.5106
Epoch 535/700
267/267 [=====] - 1s 3ms/step - loss: 20.1687 -
auc_112: 0.5050 - val_loss: 25.1083 - val_auc_112: 0.5014
Epoch 536/700

267/267 [=====] - 1s 3ms/step - loss: 18.8595 -
auc_112: 0.5043 - val_loss: 37.1257 - val_auc_112: 0.5071
Epoch 537/700
267/267 [=====] - 1s 3ms/step - loss: 21.1038 -
auc_112: 0.5021 - val_loss: 12.5726 - val_auc_112: 0.5028
Epoch 538/700
267/267 [=====] - 1s 3ms/step - loss: 17.7754 -
auc_112: 0.5018 - val_loss: 21.5936 - val_auc_112: 0.5016
Epoch 539/700
267/267 [=====] - 1s 3ms/step - loss: 18.3637 -
auc_112: 0.5006 - val_loss: 20.2146 - val_auc_112: 0.4875
Epoch 540/700
267/267 [=====] - 1s 3ms/step - loss: 20.8754 -
auc_112: 0.5029 - val_loss: 34.7146 - val_auc_112: 0.4994
Epoch 541/700
267/267 [=====] - 1s 3ms/step - loss: 20.8431 -
auc_112: 0.5032 - val_loss: 8.2065 - val_auc_112: 0.4926
Epoch 542/700
267/267 [=====] - 1s 3ms/step - loss: 22.9210 -
auc_112: 0.5033 - val_loss: 16.2915 - val_auc_112: 0.5044
Epoch 543/700
267/267 [=====] - 1s 3ms/step - loss: 21.8657 -
auc_112: 0.5037 - val_loss: 14.1399 - val_auc_112: 0.5107
Epoch 544/700
267/267 [=====] - 1s 3ms/step - loss: 17.5220 -
auc_112: 0.5002 - val_loss: 19.3699 - val_auc_112: 0.5047
Epoch 545/700
267/267 [=====] - 1s 3ms/step - loss: 21.6125 -
auc_112: 0.5054 - val_loss: 28.1230 - val_auc_112: 0.4976
Epoch 546/700
267/267 [=====] - 1s 3ms/step - loss: 19.3928 -
auc_112: 0.5023 - val_loss: 21.9979 - val_auc_112: 0.4986
Epoch 547/700
267/267 [=====] - 1s 3ms/step - loss: 15.2733 -
auc_112: 0.5018 - val_loss: 18.4346 - val_auc_112: 0.5105
Epoch 548/700
267/267 [=====] - 1s 3ms/step - loss: 15.7067 -
auc_112: 0.5034 - val_loss: 16.5568 - val_auc_112: 0.4932
Epoch 549/700
267/267 [=====] - 1s 3ms/step - loss: 20.9297 -
auc_112: 0.5000 - val_loss: 21.3899 - val_auc_112: 0.5010
Epoch 550/700
267/267 [=====] - 1s 3ms/step - loss: 20.7094 -
auc_112: 0.4983 - val_loss: 17.3673 - val_auc_112: 0.5066
Epoch 551/700
267/267 [=====] - 1s 3ms/step - loss: 22.8270 -
auc_112: 0.5053 - val_loss: 9.2016 - val_auc_112: 0.5037
Epoch 552/700

267/267 [=====] - 1s 3ms/step - loss: 20.8492 -
auc_112: 0.5042 - val_loss: 12.9507 - val_auc_112: 0.4983
Epoch 553/700
267/267 [=====] - 1s 3ms/step - loss: 18.2149 -
auc_112: 0.5043 - val_loss: 15.7950 - val_auc_112: 0.5156
Epoch 554/700
267/267 [=====] - 1s 3ms/step - loss: 21.2124 -
auc_112: 0.5068 - val_loss: 16.1289 - val_auc_112: 0.4916
Epoch 555/700
267/267 [=====] - 1s 3ms/step - loss: 18.0199 -
auc_112: 0.5021 - val_loss: 24.9824 - val_auc_112: 0.5069
Epoch 556/700
267/267 [=====] - 1s 3ms/step - loss: 18.9659 -
auc_112: 0.5019 - val_loss: 24.9479 - val_auc_112: 0.5064
Epoch 557/700
267/267 [=====] - 1s 3ms/step - loss: 20.3333 -
auc_112: 0.5014 - val_loss: 24.1715 - val_auc_112: 0.5055
Epoch 558/700
267/267 [=====] - 1s 3ms/step - loss: 20.0000 -
auc_112: 0.5054 - val_loss: 14.5080 - val_auc_112: 0.5034
Epoch 559/700
267/267 [=====] - 1s 3ms/step - loss: 20.1035 -
auc_112: 0.5026 - val_loss: 24.0893 - val_auc_112: 0.5158
Epoch 560/700
267/267 [=====] - 1s 3ms/step - loss: 20.6556 -
auc_112: 0.4997 - val_loss: 17.4769 - val_auc_112: 0.5096
Epoch 561/700
267/267 [=====] - 1s 3ms/step - loss: 16.3609 -
auc_112: 0.5006 - val_loss: 9.2762 - val_auc_112: 0.4903
Epoch 562/700
267/267 [=====] - 1s 3ms/step - loss: 17.2065 -
auc_112: 0.5037 - val_loss: 10.3153 - val_auc_112: 0.5018
Epoch 563/700
267/267 [=====] - 1s 3ms/step - loss: 19.6354 -
auc_112: 0.5058 - val_loss: 19.5421 - val_auc_112: 0.4915
Epoch 564/700
267/267 [=====] - 1s 3ms/step - loss: 20.4389 -
auc_112: 0.5031 - val_loss: 5.8345 - val_auc_112: 0.5021
Epoch 565/700
267/267 [=====] - 1s 3ms/step - loss: 21.8084 -
auc_112: 0.5040 - val_loss: 22.3488 - val_auc_112: 0.5086
Epoch 566/700
267/267 [=====] - 1s 3ms/step - loss: 23.8215 -
auc_112: 0.5038 - val_loss: 25.8880 - val_auc_112: 0.5109
Epoch 567/700
267/267 [=====] - 1s 3ms/step - loss: 17.5638 -
auc_112: 0.5028 - val_loss: 10.8479 - val_auc_112: 0.5104
Epoch 568/700

267/267 [=====] - 1s 3ms/step - loss: 22.4430 -
auc_112: 0.5029 - val_loss: 41.0140 - val_auc_112: 0.5078
Epoch 569/700
267/267 [=====] - 1s 3ms/step - loss: 21.8643 -
auc_112: 0.5019 - val_loss: 24.1352 - val_auc_112: 0.4944
Epoch 570/700
267/267 [=====] - 1s 3ms/step - loss: 21.5890 -
auc_112: 0.5050 - val_loss: 24.8586 - val_auc_112: 0.5100
Epoch 571/700
267/267 [=====] - 1s 3ms/step - loss: 21.3759 -
auc_112: 0.5031 - val_loss: 24.6200 - val_auc_112: 0.5000
Epoch 572/700
267/267 [=====] - 1s 3ms/step - loss: 19.0023 -
auc_112: 0.5029 - val_loss: 15.0144 - val_auc_112: 0.5005
Epoch 573/700
267/267 [=====] - 1s 3ms/step - loss: 21.0187 -
auc_112: 0.5040 - val_loss: 18.6380 - val_auc_112: 0.4972
Epoch 574/700
267/267 [=====] - 1s 3ms/step - loss: 18.2736 -
auc_112: 0.5018 - val_loss: 11.9670 - val_auc_112: 0.5115
Epoch 575/700
267/267 [=====] - 1s 3ms/step - loss: 18.1346 -
auc_112: 0.5050 - val_loss: 12.1927 - val_auc_112: 0.4990
Epoch 576/700
267/267 [=====] - 1s 3ms/step - loss: 20.7209 -
auc_112: 0.4995 - val_loss: 13.2882 - val_auc_112: 0.5065
Epoch 577/700
267/267 [=====] - 1s 3ms/step - loss: 20.2767 -
auc_112: 0.4985 - val_loss: 23.6136 - val_auc_112: 0.4935
Epoch 578/700
267/267 [=====] - 1s 3ms/step - loss: 18.6433 -
auc_112: 0.5053 - val_loss: 8.6138 - val_auc_112: 0.5068
Epoch 579/700
267/267 [=====] - 1s 3ms/step - loss: 18.9264 -
auc_112: 0.5014 - val_loss: 16.5609 - val_auc_112: 0.4989
Epoch 580/700
267/267 [=====] - 1s 3ms/step - loss: 18.8101 -
auc_112: 0.5048 - val_loss: 43.2118 - val_auc_112: 0.4965
Epoch 581/700
267/267 [=====] - 1s 3ms/step - loss: 18.8930 -
auc_112: 0.5003 - val_loss: 17.9859 - val_auc_112: 0.4950
Epoch 582/700
267/267 [=====] - 1s 3ms/step - loss: 18.1618 -
auc_112: 0.5052 - val_loss: 10.6394 - val_auc_112: 0.5095
Epoch 583/700
267/267 [=====] - 1s 3ms/step - loss: 18.4024 -
auc_112: 0.5022 - val_loss: 23.3546 - val_auc_112: 0.5034
Epoch 584/700

267/267 [=====] - 1s 3ms/step - loss: 19.4131 -
auc_112: 0.5035 - val_loss: 16.8930 - val_auc_112: 0.5137
Epoch 585/700
267/267 [=====] - 1s 3ms/step - loss: 19.1798 -
auc_112: 0.5046 - val_loss: 22.8480 - val_auc_112: 0.4936
Epoch 586/700
267/267 [=====] - 1s 3ms/step - loss: 17.4976 -
auc_112: 0.5035 - val_loss: 20.8826 - val_auc_112: 0.5152
Epoch 587/700
267/267 [=====] - 1s 3ms/step - loss: 14.5797 -
auc_112: 0.5017 - val_loss: 17.6714 - val_auc_112: 0.4935
Epoch 588/700
267/267 [=====] - 1s 3ms/step - loss: 20.6113 -
auc_112: 0.5030 - val_loss: 21.2644 - val_auc_112: 0.5020
Epoch 589/700
267/267 [=====] - 1s 3ms/step - loss: 18.7295 -
auc_112: 0.5007 - val_loss: 30.4219 - val_auc_112: 0.5005
Epoch 590/700
267/267 [=====] - 1s 3ms/step - loss: 21.6132 -
auc_112: 0.5018 - val_loss: 16.3969 - val_auc_112: 0.4975
Epoch 591/700
267/267 [=====] - 1s 3ms/step - loss: 20.0431 -
auc_112: 0.5025 - val_loss: 27.7729 - val_auc_112: 0.5049
Epoch 592/700
267/267 [=====] - 1s 3ms/step - loss: 17.1498 -
auc_112: 0.5027 - val_loss: 11.7020 - val_auc_112: 0.5078
Epoch 593/700
267/267 [=====] - 1s 3ms/step - loss: 23.2944 -
auc_112: 0.5029 - val_loss: 27.6773 - val_auc_112: 0.4987
Epoch 594/700
267/267 [=====] - 1s 3ms/step - loss: 17.8641 -
auc_112: 0.5050 - val_loss: 10.5657 - val_auc_112: 0.5061
Epoch 595/700
267/267 [=====] - 1s 3ms/step - loss: 19.9069 -
auc_112: 0.5027 - val_loss: 12.3209 - val_auc_112: 0.4981
Epoch 596/700
267/267 [=====] - 1s 3ms/step - loss: 21.1139 -
auc_112: 0.5024 - val_loss: 15.5927 - val_auc_112: 0.5109
Epoch 597/700
267/267 [=====] - 1s 3ms/step - loss: 22.5448 -
auc_112: 0.5020 - val_loss: 13.1385 - val_auc_112: 0.4963
Epoch 598/700
267/267 [=====] - 1s 3ms/step - loss: 24.6797 -
auc_112: 0.5028 - val_loss: 23.1900 - val_auc_112: 0.4955
Epoch 599/700
267/267 [=====] - 1s 3ms/step - loss: 15.9571 -
auc_112: 0.5054 - val_loss: 16.3991 - val_auc_112: 0.4976
Epoch 600/700

267/267 [=====] - 1s 3ms/step - loss: 20.6644 -
 auc_112: 0.5008 - val_loss: 32.0567 - val_auc_112: 0.4959
 Epoch 601/700
 267/267 [=====] - 1s 3ms/step - loss: 18.0586 -
 auc_112: 0.5039 - val_loss: 18.3710 - val_auc_112: 0.4997
 Epoch 602/700
 267/267 [=====] - 1s 3ms/step - loss: 20.0002 -
 auc_112: 0.5034 - val_loss: 15.6660 - val_auc_112: 0.4985
 Epoch 603/700
 267/267 [=====] - 1s 3ms/step - loss: 21.3162 -
 auc_112: 0.5025 - val_loss: 15.8577 - val_auc_112: 0.5143
 Epoch 604/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1077 -
 auc_112: 0.5041 - val_loss: 21.8675 - val_auc_112: 0.5050
 Epoch 605/700
 267/267 [=====] - 1s 3ms/step - loss: 20.5535 -
 auc_112: 0.5013 - val_loss: 31.3725 - val_auc_112: 0.5007
 Epoch 606/700
 267/267 [=====] - 1s 3ms/step - loss: 18.7962 -
 auc_112: 0.5044 - val_loss: 19.2837 - val_auc_112: 0.5032
 Epoch 607/700
 267/267 [=====] - 1s 3ms/step - loss: 16.2639 -
 auc_112: 0.5020 - val_loss: 29.3769 - val_auc_112: 0.4995
 Epoch 608/700
 267/267 [=====] - 1s 3ms/step - loss: 19.2185 -
 auc_112: 0.5056 - val_loss: 31.9263 - val_auc_112: 0.5054
 Epoch 609/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8878 -
 auc_112: 0.5005 - val_loss: 13.0959 - val_auc_112: 0.4865
 Epoch 610/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4733 -
 auc_112: 0.5034 - val_loss: 31.5917 - val_auc_112: 0.5154
 Epoch 611/700
 267/267 [=====] - 1s 3ms/step - loss: 22.5079 -
 auc_112: 0.5085 - val_loss: 11.9521 - val_auc_112: 0.5143
 Epoch 612/700
 267/267 [=====] - 1s 3ms/step - loss: 17.0484 -
 auc_112: 0.5008 - val_loss: 18.5243 - val_auc_112: 0.5003
 Epoch 613/700
 267/267 [=====] - 1s 3ms/step - loss: 18.0987 -
 auc_112: 0.5038 - val_loss: 14.9195 - val_auc_112: 0.4934
 Epoch 614/700
 267/267 [=====] - 1s 3ms/step - loss: 22.5152 -
 auc_112: 0.5027 - val_loss: 15.3600 - val_auc_112: 0.5019
 Epoch 615/700
 267/267 [=====] - 1s 3ms/step - loss: 22.0830 -
 auc_112: 0.5012 - val_loss: 30.3142 - val_auc_112: 0.4941
 Epoch 616/700

267/267 [=====] - 1s 3ms/step - loss: 19.6799 -
auc_112: 0.5035 - val_loss: 58.5263 - val_auc_112: 0.5151
Epoch 617/700
267/267 [=====] - 1s 3ms/step - loss: 22.6399 -
auc_112: 0.5022 - val_loss: 12.4264 - val_auc_112: 0.4906
Epoch 618/700
267/267 [=====] - 1s 3ms/step - loss: 21.8984 -
auc_112: 0.5001 - val_loss: 29.7784 - val_auc_112: 0.5017
Epoch 619/700
267/267 [=====] - 1s 3ms/step - loss: 15.9939 -
auc_112: 0.5082 - val_loss: 11.6775 - val_auc_112: 0.5054
Epoch 620/700
267/267 [=====] - 1s 3ms/step - loss: 18.3429 -
auc_112: 0.5008 - val_loss: 11.7279 - val_auc_112: 0.5028
Epoch 621/700
267/267 [=====] - 1s 3ms/step - loss: 21.9804 -
auc_112: 0.5078 - val_loss: 29.5091 - val_auc_112: 0.4891
Epoch 622/700
267/267 [=====] - 1s 3ms/step - loss: 20.7339 -
auc_112: 0.5024 - val_loss: 35.5399 - val_auc_112: 0.4992
Epoch 623/700
267/267 [=====] - 1s 3ms/step - loss: 24.9209 -
auc_112: 0.5047 - val_loss: 20.5770 - val_auc_112: 0.5061
Epoch 624/700
267/267 [=====] - 1s 3ms/step - loss: 17.8682 -
auc_112: 0.4992 - val_loss: 23.2735 - val_auc_112: 0.4946
Epoch 625/700
267/267 [=====] - 1s 3ms/step - loss: 17.7523 -
auc_112: 0.5052 - val_loss: 19.4064 - val_auc_112: 0.4912
Epoch 626/700
267/267 [=====] - 1s 3ms/step - loss: 18.7763 -
auc_112: 0.5033 - val_loss: 12.2562 - val_auc_112: 0.5059
Epoch 627/700
267/267 [=====] - 1s 3ms/step - loss: 17.0438 -
auc_112: 0.5067 - val_loss: 20.3132 - val_auc_112: 0.4989
Epoch 628/700
267/267 [=====] - 1s 3ms/step - loss: 18.5321 -
auc_112: 0.5033 - val_loss: 21.4658 - val_auc_112: 0.4895
Epoch 629/700
267/267 [=====] - 1s 3ms/step - loss: 20.1256 -
auc_112: 0.5015 - val_loss: 9.3949 - val_auc_112: 0.5000
Epoch 630/700
267/267 [=====] - 1s 3ms/step - loss: 22.4081 -
auc_112: 0.5026 - val_loss: 25.7343 - val_auc_112: 0.5153
Epoch 631/700
267/267 [=====] - 1s 3ms/step - loss: 18.8028 -
auc_112: 0.5013 - val_loss: 14.4636 - val_auc_112: 0.5069
Epoch 632/700

267/267 [=====] - 1s 3ms/step - loss: 18.2228 -
 auc_112: 0.5022 - val_loss: 22.8205 - val_auc_112: 0.5095
 Epoch 633/700
 267/267 [=====] - 1s 3ms/step - loss: 24.0509 -
 auc_112: 0.5007 - val_loss: 15.1551 - val_auc_112: 0.5001
 Epoch 634/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2337 -
 auc_112: 0.5012 - val_loss: 11.8960 - val_auc_112: 0.4869
 Epoch 635/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8544 -
 auc_112: 0.5053 - val_loss: 19.9768 - val_auc_112: 0.4995
 Epoch 636/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2774 -
 auc_112: 0.4999 - val_loss: 23.3323 - val_auc_112: 0.5087
 Epoch 637/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5937 -
 auc_112: 0.5015 - val_loss: 8.9354 - val_auc_112: 0.4998
 Epoch 638/700
 267/267 [=====] - 1s 3ms/step - loss: 16.7286 -
 auc_112: 0.5042 - val_loss: 27.1980 - val_auc_112: 0.5097
 Epoch 639/700
 267/267 [=====] - 1s 3ms/step - loss: 21.1870 -
 auc_112: 0.5009 - val_loss: 29.9956 - val_auc_112: 0.5117
 Epoch 640/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4865 -
 auc_112: 0.4995 - val_loss: 10.3891 - val_auc_112: 0.5024
 Epoch 641/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0039 -
 auc_112: 0.5028 - val_loss: 19.6471 - val_auc_112: 0.5089
 Epoch 642/700
 267/267 [=====] - 1s 3ms/step - loss: 19.1824 -
 auc_112: 0.5051 - val_loss: 21.5235 - val_auc_112: 0.5093
 Epoch 643/700
 267/267 [=====] - 1s 3ms/step - loss: 18.2165 -
 auc_112: 0.5016 - val_loss: 10.8109 - val_auc_112: 0.5109
 Epoch 644/700
 267/267 [=====] - 1s 3ms/step - loss: 18.3813 -
 auc_112: 0.5011 - val_loss: 17.1726 - val_auc_112: 0.5090
 Epoch 645/700
 267/267 [=====] - 1s 3ms/step - loss: 17.5064 -
 auc_112: 0.5036 - val_loss: 14.3411 - val_auc_112: 0.4908
 Epoch 646/700
 267/267 [=====] - 1s 3ms/step - loss: 20.6483 -
 auc_112: 0.5024 - val_loss: 17.9704 - val_auc_112: 0.5098
 Epoch 647/700
 267/267 [=====] - 1s 3ms/step - loss: 18.4376 -
 auc_112: 0.5020 - val_loss: 21.1057 - val_auc_112: 0.4922
 Epoch 648/700

267/267 [=====] - 1s 3ms/step - loss: 17.3638 -
auc_112: 0.5063 - val_loss: 14.3311 - val_auc_112: 0.4999
Epoch 649/700
267/267 [=====] - 1s 3ms/step - loss: 21.5790 -
auc_112: 0.5065 - val_loss: 13.0423 - val_auc_112: 0.5186
Epoch 650/700
267/267 [=====] - 1s 3ms/step - loss: 20.6339 -
auc_112: 0.5049 - val_loss: 8.0296 - val_auc_112: 0.4995
Epoch 651/700
267/267 [=====] - 1s 3ms/step - loss: 20.5871 -
auc_112: 0.5024 - val_loss: 14.6255 - val_auc_112: 0.5168
Epoch 652/700
267/267 [=====] - 1s 3ms/step - loss: 16.9798 -
auc_112: 0.5013 - val_loss: 24.8070 - val_auc_112: 0.5060
Epoch 653/700
267/267 [=====] - 1s 3ms/step - loss: 22.4543 -
auc_112: 0.4989 - val_loss: 34.6271 - val_auc_112: 0.5084
Epoch 654/700
267/267 [=====] - 1s 3ms/step - loss: 23.9309 -
auc_112: 0.5037 - val_loss: 13.4085 - val_auc_112: 0.5076
Epoch 655/700
267/267 [=====] - 1s 3ms/step - loss: 20.9211 -
auc_112: 0.5030 - val_loss: 28.2494 - val_auc_112: 0.4931
Epoch 656/700
267/267 [=====] - 1s 3ms/step - loss: 20.3238 -
auc_112: 0.5040 - val_loss: 10.2546 - val_auc_112: 0.4990
Epoch 657/700
267/267 [=====] - 1s 3ms/step - loss: 19.8902 -
auc_112: 0.5005 - val_loss: 25.9176 - val_auc_112: 0.5034
Epoch 658/700
267/267 [=====] - 1s 3ms/step - loss: 18.0691 -
auc_112: 0.5058 - val_loss: 29.7417 - val_auc_112: 0.5081
Epoch 659/700
267/267 [=====] - 1s 3ms/step - loss: 20.1069 -
auc_112: 0.5068 - val_loss: 40.8100 - val_auc_112: 0.5044
Epoch 660/700
267/267 [=====] - 1s 3ms/step - loss: 19.6171 -
auc_112: 0.5017 - val_loss: 29.6597 - val_auc_112: 0.5060
Epoch 661/700
267/267 [=====] - 1s 3ms/step - loss: 21.2138 -
auc_112: 0.5048 - val_loss: 22.7576 - val_auc_112: 0.5021
Epoch 662/700
267/267 [=====] - 1s 3ms/step - loss: 21.4132 -
auc_112: 0.5033 - val_loss: 13.5199 - val_auc_112: 0.5148
Epoch 663/700
267/267 [=====] - 1s 3ms/step - loss: 20.3086 -
auc_112: 0.4994 - val_loss: 23.4477 - val_auc_112: 0.4929
Epoch 664/700

267/267 [=====] - 1s 3ms/step - loss: 22.7234 -
auc_112: 0.4977 - val_loss: 42.8518 - val_auc_112: 0.4958
Epoch 665/700
267/267 [=====] - 1s 3ms/step - loss: 19.1651 -
auc_112: 0.5018 - val_loss: 21.4633 - val_auc_112: 0.5129
Epoch 666/700
267/267 [=====] - 1s 3ms/step - loss: 21.9828 -
auc_112: 0.5063 - val_loss: 32.6399 - val_auc_112: 0.4896
Epoch 667/700
267/267 [=====] - 1s 3ms/step - loss: 19.7070 -
auc_112: 0.5027 - val_loss: 19.7556 - val_auc_112: 0.5090
Epoch 668/700
267/267 [=====] - 1s 3ms/step - loss: 19.0237 -
auc_112: 0.5025 - val_loss: 24.3337 - val_auc_112: 0.4996
Epoch 669/700
267/267 [=====] - 1s 3ms/step - loss: 20.6017 -
auc_112: 0.5029 - val_loss: 17.1678 - val_auc_112: 0.5017
Epoch 670/700
267/267 [=====] - 1s 3ms/step - loss: 19.5890 -
auc_112: 0.5044 - val_loss: 13.4153 - val_auc_112: 0.5031
Epoch 671/700
267/267 [=====] - 1s 3ms/step - loss: 17.1799 -
auc_112: 0.5012 - val_loss: 15.1696 - val_auc_112: 0.4980
Epoch 672/700
267/267 [=====] - 1s 3ms/step - loss: 18.3980 -
auc_112: 0.5030 - val_loss: 49.1163 - val_auc_112: 0.4953
Epoch 673/700
267/267 [=====] - 1s 3ms/step - loss: 21.1156 -
auc_112: 0.5045 - val_loss: 8.5257 - val_auc_112: 0.4977
Epoch 674/700
267/267 [=====] - 1s 3ms/step - loss: 20.2171 -
auc_112: 0.5036 - val_loss: 9.9397 - val_auc_112: 0.5104
Epoch 675/700
267/267 [=====] - 1s 3ms/step - loss: 20.8894 -
auc_112: 0.5043 - val_loss: 20.1087 - val_auc_112: 0.4957
Epoch 676/700
267/267 [=====] - 1s 3ms/step - loss: 21.4812 -
auc_112: 0.5046 - val_loss: 26.7365 - val_auc_112: 0.4928
Epoch 677/700
267/267 [=====] - 1s 3ms/step - loss: 18.2668 -
auc_112: 0.5014 - val_loss: 16.2428 - val_auc_112: 0.5036
Epoch 678/700
267/267 [=====] - 1s 3ms/step - loss: 22.2373 -
auc_112: 0.5070 - val_loss: 17.9360 - val_auc_112: 0.5011
Epoch 679/700
267/267 [=====] - 1s 3ms/step - loss: 20.2939 -
auc_112: 0.5025 - val_loss: 19.0932 - val_auc_112: 0.4955
Epoch 680/700

267/267 [=====] - 1s 3ms/step - loss: 21.0171 -
auc_112: 0.5052 - val_loss: 14.7547 - val_auc_112: 0.5065
Epoch 681/700
267/267 [=====] - 1s 3ms/step - loss: 19.4009 -
auc_112: 0.5028 - val_loss: 21.8998 - val_auc_112: 0.5045
Epoch 682/700
267/267 [=====] - 1s 3ms/step - loss: 21.4394 -
auc_112: 0.5043 - val_loss: 10.5939 - val_auc_112: 0.5113
Epoch 683/700
267/267 [=====] - 1s 3ms/step - loss: 19.3516 -
auc_112: 0.5031 - val_loss: 15.0188 - val_auc_112: 0.5070
Epoch 684/700
267/267 [=====] - 1s 3ms/step - loss: 22.5605 -
auc_112: 0.5042 - val_loss: 10.8516 - val_auc_112: 0.5040
Epoch 685/700
267/267 [=====] - 1s 3ms/step - loss: 20.5601 -
auc_112: 0.5049 - val_loss: 6.2114 - val_auc_112: 0.5074
Epoch 686/700
267/267 [=====] - 1s 3ms/step - loss: 16.0850 -
auc_112: 0.5042 - val_loss: 25.8813 - val_auc_112: 0.5010
Epoch 687/700
267/267 [=====] - 1s 3ms/step - loss: 20.8371 -
auc_112: 0.5029 - val_loss: 9.0781 - val_auc_112: 0.5111
Epoch 688/700
267/267 [=====] - 1s 3ms/step - loss: 23.4797 -
auc_112: 0.5012 - val_loss: 12.4193 - val_auc_112: 0.5074
Epoch 689/700
267/267 [=====] - 1s 3ms/step - loss: 21.5065 -
auc_112: 0.5028 - val_loss: 24.8320 - val_auc_112: 0.4980
Epoch 690/700
267/267 [=====] - 1s 3ms/step - loss: 18.5394 -
auc_112: 0.4994 - val_loss: 12.0683 - val_auc_112: 0.4992
Epoch 691/700
267/267 [=====] - 1s 3ms/step - loss: 20.4514 -
auc_112: 0.4981 - val_loss: 12.3406 - val_auc_112: 0.5091
Epoch 692/700
267/267 [=====] - 1s 3ms/step - loss: 19.1565 -
auc_112: 0.5022 - val_loss: 14.8849 - val_auc_112: 0.5081
Epoch 693/700
267/267 [=====] - 1s 3ms/step - loss: 20.1199 -
auc_112: 0.5051 - val_loss: 27.6668 - val_auc_112: 0.5123
Epoch 694/700
267/267 [=====] - 1s 3ms/step - loss: 19.5569 -
auc_112: 0.5038 - val_loss: 15.1487 - val_auc_112: 0.5048
Epoch 695/700
267/267 [=====] - 1s 3ms/step - loss: 20.4380 -
auc_112: 0.5031 - val_loss: 9.9221 - val_auc_112: 0.5041
Epoch 696/700

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267/267 [=====] - 1s 3ms/step - loss: 18.6195 -
auc_112: 0.5054 - val_loss: 13.7261 - val_auc_112: 0.5000
Epoch 697/700
267/267 [=====] - 1s 3ms/step - loss: 25.7147 -
auc_112: 0.5023 - val_loss: 31.9834 - val_auc_112: 0.4901
Epoch 698/700
267/267 [=====] - 1s 3ms/step - loss: 19.8134 -
auc_112: 0.5065 - val_loss: 10.2123 - val_auc_112: 0.5128
Epoch 699/700
267/267 [=====] - 1s 3ms/step - loss: 15.9941 -
auc_112: 0.5030 - val_loss: 8.2625 - val_auc_112: 0.5005
Epoch 700/700
267/267 [=====] - 1s 3ms/step - loss: 18.3901 -
auc_112: 0.5004 - val_loss: 19.0338 - val_auc_112: 0.4993
625/625 [=====] - 0s 554us/step
[CV] ... epochs=700, learning_rate=0.1, score=0.492, total= 8.8min
[CV] epochs=700, learning_rate=0.1 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 21.5503 -
auc_113: 0.5065 - val_loss: 45.0054 - val_auc_113: 0.5098
Epoch 2/700
267/267 [=====] - 1s 3ms/step - loss: 19.6942 -
auc_113: 0.4982 - val_loss: 19.6382 - val_auc_113: 0.5032
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 19.6008 -
auc_113: 0.4997 - val_loss: 18.2356 - val_auc_113: 0.5118
Epoch 4/700
267/267 [=====] - 1s 3ms/step - loss: 17.3184 -
auc_113: 0.5029 - val_loss: 7.4702 - val_auc_113: 0.5021
Epoch 5/700
267/267 [=====] - 1s 3ms/step - loss: 18.2408 -
auc_113: 0.4998 - val_loss: 8.1765 - val_auc_113: 0.4937
Epoch 6/700
267/267 [=====] - 1s 3ms/step - loss: 17.6592 -
auc_113: 0.5030 - val_loss: 14.9404 - val_auc_113: 0.5132
Epoch 7/700
267/267 [=====] - 1s 3ms/step - loss: 22.9216 -
auc_113: 0.5036 - val_loss: 26.1264 - val_auc_113: 0.5025
Epoch 8/700
267/267 [=====] - 1s 3ms/step - loss: 20.2726 -
auc_113: 0.5063 - val_loss: 17.0446 - val_auc_113: 0.5092
Epoch 9/700
267/267 [=====] - 1s 3ms/step - loss: 22.2147 -
auc_113: 0.5050 - val_loss: 15.8136 - val_auc_113: 0.5079
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 17.9469 -
auc_113: 0.5032 - val_loss: 9.3877 - val_auc_113: 0.4925
Epoch 11/700

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267/267 [=====] - 1s 3ms/step - loss: 18.2359 -
auc_113: 0.5069 - val_loss: 15.5276 - val_auc_113: 0.5074
Epoch 12/700
267/267 [=====] - 1s 3ms/step - loss: 21.6510 -
auc_113: 0.5059 - val_loss: 11.7654 - val_auc_113: 0.5019
Epoch 13/700
267/267 [=====] - 1s 3ms/step - loss: 17.3882 -
auc_113: 0.5000 - val_loss: 31.1688 - val_auc_113: 0.5092
Epoch 14/700
267/267 [=====] - 1s 3ms/step - loss: 19.1203 -
auc_113: 0.5031 - val_loss: 12.1926 - val_auc_113: 0.5019
Epoch 15/700
267/267 [=====] - 1s 3ms/step - loss: 20.2335 -
auc_113: 0.5009 - val_loss: 7.9784 - val_auc_113: 0.4964
Epoch 16/700
267/267 [=====] - 1s 3ms/step - loss: 21.3478 -
auc_113: 0.5030 - val_loss: 18.5796 - val_auc_113: 0.4916
Epoch 17/700
267/267 [=====] - 1s 3ms/step - loss: 20.7270 -
auc_113: 0.5060 - val_loss: 9.1408 - val_auc_113: 0.4958
Epoch 18/700
267/267 [=====] - 1s 3ms/step - loss: 18.0912 -
auc_113: 0.5043 - val_loss: 11.0079 - val_auc_113: 0.5008
Epoch 19/700
267/267 [=====] - 1s 3ms/step - loss: 19.8203 -
auc_113: 0.5008 - val_loss: 10.2845 - val_auc_113: 0.4949
Epoch 20/700
267/267 [=====] - 1s 3ms/step - loss: 19.0268 -
auc_113: 0.5038 - val_loss: 25.8055 - val_auc_113: 0.5078
Epoch 21/700
267/267 [=====] - 1s 3ms/step - loss: 19.3262 -
auc_113: 0.5064 - val_loss: 16.9139 - val_auc_113: 0.5031
Epoch 22/700
267/267 [=====] - 1s 3ms/step - loss: 20.4752 -
auc_113: 0.5041 - val_loss: 17.3091 - val_auc_113: 0.5041
Epoch 23/700
267/267 [=====] - 1s 3ms/step - loss: 20.5617 -
auc_113: 0.4989 - val_loss: 14.7319 - val_auc_113: 0.5088
Epoch 24/700
267/267 [=====] - 1s 3ms/step - loss: 23.1405 -
auc_113: 0.5020 - val_loss: 9.4616 - val_auc_113: 0.5093
Epoch 25/700
267/267 [=====] - 1s 3ms/step - loss: 21.6913 -
auc_113: 0.5013 - val_loss: 14.4186 - val_auc_113: 0.5074
Epoch 26/700
267/267 [=====] - 1s 3ms/step - loss: 17.1763 -
auc_113: 0.5050 - val_loss: 12.0402 - val_auc_113: 0.4971
Epoch 27/700

267/267 [=====] - 1s 3ms/step - loss: 16.5373 -
 auc_113: 0.5048 - val_loss: 12.9508 - val_auc_113: 0.5090
 Epoch 28/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5533 -
 auc_113: 0.5039 - val_loss: 10.4623 - val_auc_113: 0.5068
 Epoch 29/700
 267/267 [=====] - 1s 3ms/step - loss: 18.3403 -
 auc_113: 0.5033 - val_loss: 11.6742 - val_auc_113: 0.4864
 Epoch 30/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1882 -
 auc_113: 0.5010 - val_loss: 13.2733 - val_auc_113: 0.5116
 Epoch 31/700
 267/267 [=====] - 1s 3ms/step - loss: 19.4147 -
 auc_113: 0.5054 - val_loss: 9.0332 - val_auc_113: 0.5049
 Epoch 32/700
 267/267 [=====] - 1s 3ms/step - loss: 18.5249 -
 auc_113: 0.5065 - val_loss: 24.2399 - val_auc_113: 0.5128
 Epoch 33/700
 267/267 [=====] - 1s 3ms/step - loss: 17.6579 -
 auc_113: 0.5074 - val_loss: 48.4250 - val_auc_113: 0.4965
 Epoch 34/700
 267/267 [=====] - 1s 3ms/step - loss: 25.3426 -
 auc_113: 0.5023 - val_loss: 12.9326 - val_auc_113: 0.5154
 Epoch 35/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5350 -
 auc_113: 0.4993 - val_loss: 9.5051 - val_auc_113: 0.4807
 Epoch 36/700
 267/267 [=====] - 1s 3ms/step - loss: 19.9786 -
 auc_113: 0.5013 - val_loss: 24.7968 - val_auc_113: 0.5037
 Epoch 37/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6861 -
 auc_113: 0.5024 - val_loss: 26.5952 - val_auc_113: 0.5014
 Epoch 38/700
 267/267 [=====] - 1s 3ms/step - loss: 22.3447 -
 auc_113: 0.5030 - val_loss: 26.3824 - val_auc_113: 0.4930
 Epoch 39/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0602 -
 auc_113: 0.5008 - val_loss: 25.8722 - val_auc_113: 0.5056
 Epoch 40/700
 267/267 [=====] - 1s 3ms/step - loss: 17.9198 -
 auc_113: 0.5021 - val_loss: 16.6134 - val_auc_113: 0.5092
 Epoch 41/700
 267/267 [=====] - 1s 3ms/step - loss: 16.6839 -
 auc_113: 0.5001 - val_loss: 10.8863 - val_auc_113: 0.4960
 Epoch 42/700
 267/267 [=====] - 1s 3ms/step - loss: 18.2162 -
 auc_113: 0.5042 - val_loss: 21.2339 - val_auc_113: 0.5086
 Epoch 43/700

267/267 [=====] - 1s 3ms/step - loss: 20.4016 -
auc_113: 0.5010 - val_loss: 45.4722 - val_auc_113: 0.5096
Epoch 44/700
267/267 [=====] - 1s 3ms/step - loss: 20.1470 -
auc_113: 0.5025 - val_loss: 13.4791 - val_auc_113: 0.5083
Epoch 45/700
267/267 [=====] - 1s 3ms/step - loss: 19.2806 -
auc_113: 0.5010 - val_loss: 29.9740 - val_auc_113: 0.4999
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 17.8960 -
auc_113: 0.5016 - val_loss: 14.5696 - val_auc_113: 0.5045
Epoch 47/700
267/267 [=====] - 1s 3ms/step - loss: 19.9354 -
auc_113: 0.5024 - val_loss: 10.2337 - val_auc_113: 0.4988
Epoch 48/700
267/267 [=====] - 1s 4ms/step - loss: 16.3818 -
auc_113: 0.5021 - val_loss: 11.6196 - val_auc_113: 0.5098
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 20.5881 -
auc_113: 0.5040 - val_loss: 13.9859 - val_auc_113: 0.5032
Epoch 50/700
267/267 [=====] - 1s 3ms/step - loss: 21.3943 -
auc_113: 0.5016 - val_loss: 38.2593 - val_auc_113: 0.5000
Epoch 51/700
267/267 [=====] - 1s 3ms/step - loss: 23.5253 -
auc_113: 0.4993 - val_loss: 18.3666 - val_auc_113: 0.5026
Epoch 52/700
267/267 [=====] - 1s 3ms/step - loss: 22.0240 -
auc_113: 0.5028 - val_loss: 25.8609 - val_auc_113: 0.4897
Epoch 53/700
267/267 [=====] - 1s 3ms/step - loss: 20.3788 -
auc_113: 0.5006 - val_loss: 41.8105 - val_auc_113: 0.4990
Epoch 54/700
267/267 [=====] - 1s 3ms/step - loss: 20.8341 -
auc_113: 0.5000 - val_loss: 12.2580 - val_auc_113: 0.4981
Epoch 55/700
267/267 [=====] - 1s 3ms/step - loss: 20.6368 -
auc_113: 0.5001 - val_loss: 16.0177 - val_auc_113: 0.5083
Epoch 56/700
267/267 [=====] - 1s 3ms/step - loss: 17.9495 -
auc_113: 0.5043 - val_loss: 11.3926 - val_auc_113: 0.5027
Epoch 57/700
267/267 [=====] - 1s 3ms/step - loss: 17.6877 -
auc_113: 0.5034 - val_loss: 14.0556 - val_auc_113: 0.5064
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 19.0426 -
auc_113: 0.5019 - val_loss: 25.4407 - val_auc_113: 0.5125
Epoch 59/700

267/267 [=====] - 1s 3ms/step - loss: 21.6515 -
auc_113: 0.5037 - val_loss: 11.0989 - val_auc_113: 0.4923
Epoch 60/700
267/267 [=====] - 1s 3ms/step - loss: 21.5845 -
auc_113: 0.5045 - val_loss: 10.5369 - val_auc_113: 0.4943
Epoch 61/700
267/267 [=====] - 1s 3ms/step - loss: 22.3385 -
auc_113: 0.5056 - val_loss: 20.1697 - val_auc_113: 0.5103
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 20.6529 -
auc_113: 0.4998 - val_loss: 15.3067 - val_auc_113: 0.4985
Epoch 63/700
267/267 [=====] - 1s 3ms/step - loss: 19.2817 -
auc_113: 0.5014 - val_loss: 25.9393 - val_auc_113: 0.4968
Epoch 64/700
267/267 [=====] - 1s 3ms/step - loss: 19.7703 -
auc_113: 0.5032 - val_loss: 19.6234 - val_auc_113: 0.5010
Epoch 65/700
267/267 [=====] - 1s 3ms/step - loss: 19.6324 -
auc_113: 0.5011 - val_loss: 21.8421 - val_auc_113: 0.5067
Epoch 66/700
267/267 [=====] - 1s 3ms/step - loss: 18.8746 -
auc_113: 0.5045 - val_loss: 12.9453 - val_auc_113: 0.4943
Epoch 67/700
267/267 [=====] - 1s 3ms/step - loss: 19.7216 -
auc_113: 0.5023 - val_loss: 4.6953 - val_auc_113: 0.5146
Epoch 68/700
267/267 [=====] - 1s 3ms/step - loss: 21.9309 -
auc_113: 0.5033 - val_loss: 28.7312 - val_auc_113: 0.4992
Epoch 69/700
267/267 [=====] - 1s 3ms/step - loss: 19.7094 -
auc_113: 0.5025 - val_loss: 19.4065 - val_auc_113: 0.5026
Epoch 70/700
267/267 [=====] - 1s 3ms/step - loss: 21.3154 -
auc_113: 0.5033 - val_loss: 13.8793 - val_auc_113: 0.5038
Epoch 71/700
267/267 [=====] - 1s 3ms/step - loss: 18.8942 -
auc_113: 0.5040 - val_loss: 17.2828 - val_auc_113: 0.4984
Epoch 72/700
267/267 [=====] - 1s 3ms/step - loss: 20.9823 -
auc_113: 0.5051 - val_loss: 19.2886 - val_auc_113: 0.5079
Epoch 73/700
267/267 [=====] - 1s 3ms/step - loss: 24.7204 -
auc_113: 0.5009 - val_loss: 58.7470 - val_auc_113: 0.4936
Epoch 74/700
267/267 [=====] - 1s 3ms/step - loss: 26.1826 -
auc_113: 0.4993 - val_loss: 11.0357 - val_auc_113: 0.4967
Epoch 75/700

267/267 [=====] - 1s 3ms/step - loss: 21.2339 -
auc_113: 0.5021 - val_loss: 14.2596 - val_auc_113: 0.5178
Epoch 76/700
267/267 [=====] - 1s 3ms/step - loss: 20.7743 -
auc_113: 0.5028 - val_loss: 8.3800 - val_auc_113: 0.5099
Epoch 77/700
267/267 [=====] - 1s 3ms/step - loss: 19.9884 -
auc_113: 0.5049 - val_loss: 46.9800 - val_auc_113: 0.5097
Epoch 78/700
267/267 [=====] - 1s 3ms/step - loss: 23.6560 -
auc_113: 0.5036 - val_loss: 28.8552 - val_auc_113: 0.4987
Epoch 79/700
267/267 [=====] - 1s 3ms/step - loss: 23.5370 -
auc_113: 0.5008 - val_loss: 9.5012 - val_auc_113: 0.5101
Epoch 80/700
267/267 [=====] - 1s 3ms/step - loss: 20.3270 -
auc_113: 0.5025 - val_loss: 39.1720 - val_auc_113: 0.5019
Epoch 81/700
267/267 [=====] - 1s 3ms/step - loss: 20.7240 -
auc_113: 0.5039 - val_loss: 22.9468 - val_auc_113: 0.4975
Epoch 82/700
267/267 [=====] - 1s 3ms/step - loss: 21.2815 -
auc_113: 0.5064 - val_loss: 37.6199 - val_auc_113: 0.5067
Epoch 83/700
267/267 [=====] - 1s 3ms/step - loss: 19.9317 -
auc_113: 0.5029 - val_loss: 6.8326 - val_auc_113: 0.5031
Epoch 84/700
267/267 [=====] - 1s 3ms/step - loss: 19.9809 -
auc_113: 0.5018 - val_loss: 29.0546 - val_auc_113: 0.4959
Epoch 85/700
267/267 [=====] - 1s 3ms/step - loss: 17.4073 -
auc_113: 0.5023 - val_loss: 19.5832 - val_auc_113: 0.5076
Epoch 86/700
267/267 [=====] - 1s 3ms/step - loss: 19.6631 -
auc_113: 0.5009 - val_loss: 5.5928 - val_auc_113: 0.5119
Epoch 87/700
267/267 [=====] - 1s 3ms/step - loss: 14.7025 -
auc_113: 0.4998 - val_loss: 7.7353 - val_auc_113: 0.5037
Epoch 88/700
267/267 [=====] - 1s 3ms/step - loss: 16.8642 -
auc_113: 0.4976 - val_loss: 7.7622 - val_auc_113: 0.5153
Epoch 89/700
267/267 [=====] - 1s 3ms/step - loss: 19.2680 -
auc_113: 0.5029 - val_loss: 33.0217 - val_auc_113: 0.5074
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 20.6922 -
auc_113: 0.4972 - val_loss: 13.9581 - val_auc_113: 0.5063
Epoch 91/700

267/267 [=====] - 1s 3ms/step - loss: 16.3832 -
auc_113: 0.5008 - val_loss: 10.4057 - val_auc_113: 0.5021
Epoch 92/700
267/267 [=====] - 1s 3ms/step - loss: 24.5431 -
auc_113: 0.5046 - val_loss: 24.1006 - val_auc_113: 0.5137
Epoch 93/700
267/267 [=====] - 1s 3ms/step - loss: 19.4362 -
auc_113: 0.5035 - val_loss: 39.4592 - val_auc_113: 0.5037
Epoch 94/700
267/267 [=====] - 1s 3ms/step - loss: 17.8221 -
auc_113: 0.5030 - val_loss: 12.6416 - val_auc_113: 0.5066
Epoch 95/700
267/267 [=====] - 1s 3ms/step - loss: 22.2600 -
auc_113: 0.4999 - val_loss: 38.8549 - val_auc_113: 0.4947
Epoch 96/700
267/267 [=====] - 1s 3ms/step - loss: 18.7453 -
auc_113: 0.5017 - val_loss: 11.8916 - val_auc_113: 0.5136
Epoch 97/700
267/267 [=====] - 1s 3ms/step - loss: 21.2387 -
auc_113: 0.5057 - val_loss: 15.4277 - val_auc_113: 0.5012
Epoch 98/700
267/267 [=====] - 1s 3ms/step - loss: 19.9241 -
auc_113: 0.5001 - val_loss: 11.9938 - val_auc_113: 0.5035
Epoch 99/700
267/267 [=====] - 1s 3ms/step - loss: 20.5429 -
auc_113: 0.5028 - val_loss: 32.5823 - val_auc_113: 0.5048
Epoch 100/700
267/267 [=====] - 1s 3ms/step - loss: 21.0455 -
auc_113: 0.5059 - val_loss: 14.7043 - val_auc_113: 0.5010
Epoch 101/700
267/267 [=====] - 1s 3ms/step - loss: 21.6912 -
auc_113: 0.5060 - val_loss: 6.6537 - val_auc_113: 0.5101
Epoch 102/700
267/267 [=====] - 1s 3ms/step - loss: 18.7459 -
auc_113: 0.5044 - val_loss: 24.3599 - val_auc_113: 0.5015
Epoch 103/700
267/267 [=====] - 1s 3ms/step - loss: 19.0472 -
auc_113: 0.5019 - val_loss: 9.1453 - val_auc_113: 0.4873
Epoch 104/700
267/267 [=====] - 1s 3ms/step - loss: 16.3155 -
auc_113: 0.5040 - val_loss: 27.5367 - val_auc_113: 0.5101
Epoch 105/700
267/267 [=====] - 1s 3ms/step - loss: 20.8051 -
auc_113: 0.5005 - val_loss: 17.0476 - val_auc_113: 0.4982
Epoch 106/700
267/267 [=====] - 1s 3ms/step - loss: 23.7156 -
auc_113: 0.5032 - val_loss: 29.4535 - val_auc_113: 0.5003
Epoch 107/700

267/267 [=====] - 1s 3ms/step - loss: 17.9535 -
auc_113: 0.5037 - val_loss: 21.9670 - val_auc_113: 0.5012
Epoch 108/700
267/267 [=====] - 1s 3ms/step - loss: 23.3794 -
auc_113: 0.4992 - val_loss: 14.7757 - val_auc_113: 0.5038
Epoch 109/700
267/267 [=====] - 1s 3ms/step - loss: 17.0563 -
auc_113: 0.5058 - val_loss: 14.9817 - val_auc_113: 0.5023
Epoch 110/700
267/267 [=====] - 1s 3ms/step - loss: 17.8178 -
auc_113: 0.5040 - val_loss: 18.1180 - val_auc_113: 0.5047
Epoch 111/700
267/267 [=====] - 1s 3ms/step - loss: 19.1448 -
auc_113: 0.5055 - val_loss: 13.2764 - val_auc_113: 0.4949
Epoch 112/700
267/267 [=====] - 1s 3ms/step - loss: 21.4110 -
auc_113: 0.5002 - val_loss: 40.3005 - val_auc_113: 0.5105
Epoch 113/700
267/267 [=====] - 1s 3ms/step - loss: 22.4955 -
auc_113: 0.4993 - val_loss: 23.4760 - val_auc_113: 0.5014
Epoch 114/700
267/267 [=====] - 1s 3ms/step - loss: 19.1742 -
auc_113: 0.5037 - val_loss: 17.7539 - val_auc_113: 0.5122
Epoch 115/700
267/267 [=====] - 1s 3ms/step - loss: 20.1137 -
auc_113: 0.5044 - val_loss: 16.1636 - val_auc_113: 0.4926
Epoch 116/700
267/267 [=====] - 1s 3ms/step - loss: 17.0155 -
auc_113: 0.5024 - val_loss: 25.1937 - val_auc_113: 0.4983
Epoch 117/700
267/267 [=====] - 1s 3ms/step - loss: 17.3852 -
auc_113: 0.5027 - val_loss: 13.1985 - val_auc_113: 0.5008
Epoch 118/700
267/267 [=====] - 1s 3ms/step - loss: 18.8838 -
auc_113: 0.5037 - val_loss: 23.6182 - val_auc_113: 0.5145
Epoch 119/700
267/267 [=====] - 1s 3ms/step - loss: 20.7520 -
auc_113: 0.5076 - val_loss: 22.2679 - val_auc_113: 0.4974
Epoch 120/700
267/267 [=====] - 1s 3ms/step - loss: 16.0414 -
auc_113: 0.5059 - val_loss: 6.7123 - val_auc_113: 0.5108
Epoch 121/700
267/267 [=====] - 1s 3ms/step - loss: 19.7560 -
auc_113: 0.5037 - val_loss: 9.1171 - val_auc_113: 0.5077
Epoch 122/700
267/267 [=====] - 1s 3ms/step - loss: 18.8513 -
auc_113: 0.5026 - val_loss: 35.7822 - val_auc_113: 0.5053
Epoch 123/700

267/267 [=====] - 1s 3ms/step - loss: 19.2186 -
auc_113: 0.5013 - val_loss: 20.3474 - val_auc_113: 0.4988
Epoch 124/700
267/267 [=====] - 1s 3ms/step - loss: 22.9542 -
auc_113: 0.5042 - val_loss: 20.4877 - val_auc_113: 0.5001
Epoch 125/700
267/267 [=====] - 1s 3ms/step - loss: 19.7511 -
auc_113: 0.5030 - val_loss: 19.4377 - val_auc_113: 0.5095
Epoch 126/700
267/267 [=====] - 1s 3ms/step - loss: 18.6435 -
auc_113: 0.5006 - val_loss: 23.1450 - val_auc_113: 0.5020
Epoch 127/700
267/267 [=====] - 1s 3ms/step - loss: 21.3892 -
auc_113: 0.5017 - val_loss: 35.0924 - val_auc_113: 0.5001
Epoch 128/700
267/267 [=====] - 1s 3ms/step - loss: 22.5683 -
auc_113: 0.5025 - val_loss: 17.7624 - val_auc_113: 0.5133
Epoch 129/700
267/267 [=====] - 1s 3ms/step - loss: 20.2577 -
auc_113: 0.5034 - val_loss: 35.6696 - val_auc_113: 0.5021
Epoch 130/700
267/267 [=====] - 1s 3ms/step - loss: 21.2526 -
auc_113: 0.5038 - val_loss: 11.1368 - val_auc_113: 0.5171
Epoch 131/700
267/267 [=====] - 1s 3ms/step - loss: 19.7386 -
auc_113: 0.5064 - val_loss: 23.4201 - val_auc_113: 0.4989
Epoch 132/700
267/267 [=====] - 1s 3ms/step - loss: 21.2196 -
auc_113: 0.5010 - val_loss: 42.0739 - val_auc_113: 0.5032
Epoch 133/700
267/267 [=====] - 1s 3ms/step - loss: 23.5180 -
auc_113: 0.5045 - val_loss: 42.2687 - val_auc_113: 0.4926
Epoch 134/700
267/267 [=====] - 1s 3ms/step - loss: 20.4887 -
auc_113: 0.4995 - val_loss: 21.1510 - val_auc_113: 0.5032
Epoch 135/700
267/267 [=====] - 1s 3ms/step - loss: 21.3190 -
auc_113: 0.5022 - val_loss: 9.1689 - val_auc_113: 0.5097
Epoch 136/700
267/267 [=====] - 1s 3ms/step - loss: 24.1358 -
auc_113: 0.5029 - val_loss: 21.7433 - val_auc_113: 0.5053
Epoch 137/700
267/267 [=====] - 1s 3ms/step - loss: 19.9330 -
auc_113: 0.5017 - val_loss: 16.7058 - val_auc_113: 0.5158
Epoch 138/700
267/267 [=====] - 1s 3ms/step - loss: 19.0196 -
auc_113: 0.5008 - val_loss: 12.8118 - val_auc_113: 0.5179
Epoch 139/700

267/267 [=====] - 1s 3ms/step - loss: 19.0647 -
auc_113: 0.5019 - val_loss: 25.0955 - val_auc_113: 0.4941
Epoch 140/700
267/267 [=====] - 1s 3ms/step - loss: 19.1358 -
auc_113: 0.4998 - val_loss: 11.1979 - val_auc_113: 0.5083
Epoch 141/700
267/267 [=====] - 1s 3ms/step - loss: 17.9270 -
auc_113: 0.5041 - val_loss: 29.5424 - val_auc_113: 0.5133
Epoch 142/700
267/267 [=====] - 1s 3ms/step - loss: 18.8874 -
auc_113: 0.5025 - val_loss: 17.1885 - val_auc_113: 0.4928
Epoch 143/700
267/267 [=====] - 1s 3ms/step - loss: 18.0048 -
auc_113: 0.5016 - val_loss: 29.3960 - val_auc_113: 0.5125
Epoch 144/700
267/267 [=====] - 1s 3ms/step - loss: 17.0118 -
auc_113: 0.5006 - val_loss: 9.8382 - val_auc_113: 0.5071
Epoch 145/700
267/267 [=====] - 1s 3ms/step - loss: 15.6118 -
auc_113: 0.5048 - val_loss: 13.4468 - val_auc_113: 0.5034
Epoch 146/700
267/267 [=====] - 1s 3ms/step - loss: 19.6909 -
auc_113: 0.5047 - val_loss: 14.2052 - val_auc_113: 0.5070
Epoch 147/700
267/267 [=====] - 1s 3ms/step - loss: 17.6134 -
auc_113: 0.5022 - val_loss: 5.0354 - val_auc_113: 0.4934
Epoch 148/700
267/267 [=====] - 1s 3ms/step - loss: 17.3488 -
auc_113: 0.5031 - val_loss: 22.0790 - val_auc_113: 0.4958
Epoch 149/700
267/267 [=====] - 1s 3ms/step - loss: 20.2828 -
auc_113: 0.5035 - val_loss: 28.2521 - val_auc_113: 0.5045
Epoch 150/700
267/267 [=====] - 1s 3ms/step - loss: 18.9767 -
auc_113: 0.5042 - val_loss: 12.1247 - val_auc_113: 0.5070
Epoch 151/700
267/267 [=====] - 1s 3ms/step - loss: 21.1617 -
auc_113: 0.4989 - val_loss: 12.5047 - val_auc_113: 0.5031
Epoch 152/700
267/267 [=====] - 1s 3ms/step - loss: 18.9187 -
auc_113: 0.5037 - val_loss: 12.9423 - val_auc_113: 0.5117
Epoch 153/700
267/267 [=====] - 1s 3ms/step - loss: 15.8672 -
auc_113: 0.5058 - val_loss: 8.0989 - val_auc_113: 0.5009
Epoch 154/700
267/267 [=====] - 1s 3ms/step - loss: 18.7977 -
auc_113: 0.5026 - val_loss: 27.4746 - val_auc_113: 0.5204
Epoch 155/700

267/267 [=====] - 1s 3ms/step - loss: 19.0532 -
auc_113: 0.5046 - val_loss: 28.8416 - val_auc_113: 0.5031
Epoch 156/700
267/267 [=====] - 1s 3ms/step - loss: 21.4944 -
auc_113: 0.5031 - val_loss: 18.4030 - val_auc_113: 0.4924
Epoch 157/700
267/267 [=====] - 1s 3ms/step - loss: 18.5782 -
auc_113: 0.5034 - val_loss: 24.2005 - val_auc_113: 0.5086
Epoch 158/700
267/267 [=====] - 1s 3ms/step - loss: 17.3397 -
auc_113: 0.5042 - val_loss: 12.4122 - val_auc_113: 0.5065
Epoch 159/700
267/267 [=====] - 1s 3ms/step - loss: 17.4741 -
auc_113: 0.5009 - val_loss: 19.1258 - val_auc_113: 0.5085
Epoch 160/700
267/267 [=====] - 1s 3ms/step - loss: 19.1684 -
auc_113: 0.5031 - val_loss: 19.9902 - val_auc_113: 0.5017
Epoch 161/700
267/267 [=====] - 1s 3ms/step - loss: 21.0510 -
auc_113: 0.5051 - val_loss: 20.9664 - val_auc_113: 0.5118
Epoch 162/700
267/267 [=====] - 1s 3ms/step - loss: 17.8142 -
auc_113: 0.5064 - val_loss: 16.9751 - val_auc_113: 0.4975
Epoch 163/700
267/267 [=====] - 1s 3ms/step - loss: 17.2937 -
auc_113: 0.5015 - val_loss: 23.2126 - val_auc_113: 0.4995
Epoch 164/700
267/267 [=====] - 1s 3ms/step - loss: 22.5835 -
auc_113: 0.5047 - val_loss: 30.3549 - val_auc_113: 0.5038
Epoch 165/700
267/267 [=====] - 1s 3ms/step - loss: 20.2811 -
auc_113: 0.5052 - val_loss: 14.6788 - val_auc_113: 0.4947
Epoch 166/700
267/267 [=====] - 1s 3ms/step - loss: 20.7522 -
auc_113: 0.5040 - val_loss: 22.4022 - val_auc_113: 0.5089
Epoch 167/700
267/267 [=====] - 1s 3ms/step - loss: 20.8997 -
auc_113: 0.5043 - val_loss: 14.8326 - val_auc_113: 0.5028
Epoch 168/700
267/267 [=====] - 1s 3ms/step - loss: 21.1319 -
auc_113: 0.5070 - val_loss: 36.2174 - val_auc_113: 0.5021
Epoch 169/700
267/267 [=====] - 1s 3ms/step - loss: 17.3500 -
auc_113: 0.5006 - val_loss: 17.6275 - val_auc_113: 0.5096
Epoch 170/700
267/267 [=====] - 1s 3ms/step - loss: 19.9349 -
auc_113: 0.5039 - val_loss: 18.8126 - val_auc_113: 0.4901
Epoch 171/700

267/267 [=====] - 1s 3ms/step - loss: 21.8386 -
auc_113: 0.4989 - val_loss: 24.1813 - val_auc_113: 0.5021
Epoch 172/700
267/267 [=====] - 1s 3ms/step - loss: 17.0944 -
auc_113: 0.5033 - val_loss: 8.5397 - val_auc_113: 0.5030
Epoch 173/700
267/267 [=====] - 1s 3ms/step - loss: 16.7527 -
auc_113: 0.5031 - val_loss: 12.5853 - val_auc_113: 0.5014
Epoch 174/700
267/267 [=====] - 1s 3ms/step - loss: 19.4387 -
auc_113: 0.5008 - val_loss: 17.7824 - val_auc_113: 0.4944
Epoch 175/700
267/267 [=====] - 1s 3ms/step - loss: 18.7623 -
auc_113: 0.5032 - val_loss: 9.5811 - val_auc_113: 0.4947
Epoch 176/700
267/267 [=====] - 1s 3ms/step - loss: 22.7006 -
auc_113: 0.5030 - val_loss: 30.8426 - val_auc_113: 0.5037
Epoch 177/700
267/267 [=====] - 1s 3ms/step - loss: 17.7538 -
auc_113: 0.5010 - val_loss: 14.0423 - val_auc_113: 0.4991
Epoch 178/700
267/267 [=====] - 1s 3ms/step - loss: 20.9938 -
auc_113: 0.5034 - val_loss: 21.9359 - val_auc_113: 0.5074
Epoch 179/700
267/267 [=====] - 1s 3ms/step - loss: 16.6602 -
auc_113: 0.5057 - val_loss: 16.0957 - val_auc_113: 0.5021
Epoch 180/700
267/267 [=====] - 1s 3ms/step - loss: 17.3665 -
auc_113: 0.5052 - val_loss: 14.0946 - val_auc_113: 0.5092
Epoch 181/700
267/267 [=====] - 1s 3ms/step - loss: 20.9287 -
auc_113: 0.5037 - val_loss: 12.2269 - val_auc_113: 0.5037
Epoch 182/700
267/267 [=====] - 1s 3ms/step - loss: 20.5539 -
auc_113: 0.5071 - val_loss: 18.4501 - val_auc_113: 0.4999
Epoch 183/700
267/267 [=====] - 1s 3ms/step - loss: 19.0554 -
auc_113: 0.5031 - val_loss: 27.3190 - val_auc_113: 0.5076
Epoch 184/700
267/267 [=====] - 1s 3ms/step - loss: 19.4503 -
auc_113: 0.5019 - val_loss: 23.0302 - val_auc_113: 0.5042
Epoch 185/700
267/267 [=====] - 1s 3ms/step - loss: 17.9833 -
auc_113: 0.4988 - val_loss: 21.9710 - val_auc_113: 0.4894
Epoch 186/700
267/267 [=====] - 1s 3ms/step - loss: 22.6925 -
auc_113: 0.5023 - val_loss: 24.2775 - val_auc_113: 0.4939
Epoch 187/700

267/267 [=====] - 1s 3ms/step - loss: 20.6512 -
auc_113: 0.5047 - val_loss: 20.2943 - val_auc_113: 0.5136
Epoch 188/700
267/267 [=====] - 1s 3ms/step - loss: 19.1460 -
auc_113: 0.5026 - val_loss: 26.1168 - val_auc_113: 0.4986
Epoch 189/700
267/267 [=====] - 1s 3ms/step - loss: 18.2526 -
auc_113: 0.4983 - val_loss: 25.3538 - val_auc_113: 0.4998
Epoch 190/700
267/267 [=====] - 1s 3ms/step - loss: 18.9136 -
auc_113: 0.5004 - val_loss: 10.4166 - val_auc_113: 0.4947
Epoch 191/700
267/267 [=====] - 1s 3ms/step - loss: 18.8896 -
auc_113: 0.4987 - val_loss: 17.8928 - val_auc_113: 0.4961
Epoch 192/700
267/267 [=====] - 1s 3ms/step - loss: 20.8670 -
auc_113: 0.5022 - val_loss: 22.1992 - val_auc_113: 0.4975
Epoch 193/700
267/267 [=====] - 1s 3ms/step - loss: 21.9314 -
auc_113: 0.5038 - val_loss: 18.5033 - val_auc_113: 0.4956
Epoch 194/700
267/267 [=====] - 1s 3ms/step - loss: 18.8817 -
auc_113: 0.5007 - val_loss: 6.5985 - val_auc_113: 0.4926
Epoch 195/700
267/267 [=====] - 1s 3ms/step - loss: 23.1494 -
auc_113: 0.5061 - val_loss: 22.2717 - val_auc_113: 0.5104
Epoch 196/700
267/267 [=====] - 1s 3ms/step - loss: 17.2632 -
auc_113: 0.5032 - val_loss: 24.0174 - val_auc_113: 0.5069
Epoch 197/700
267/267 [=====] - 1s 3ms/step - loss: 18.0079 -
auc_113: 0.5031 - val_loss: 22.4452 - val_auc_113: 0.5093
Epoch 198/700
267/267 [=====] - 1s 3ms/step - loss: 21.5322 -
auc_113: 0.5062 - val_loss: 37.4048 - val_auc_113: 0.5128
Epoch 199/700
267/267 [=====] - 1s 3ms/step - loss: 19.4579 -
auc_113: 0.4997 - val_loss: 42.6168 - val_auc_113: 0.4998
Epoch 200/700
267/267 [=====] - 1s 3ms/step - loss: 17.9594 -
auc_113: 0.5028 - val_loss: 17.0036 - val_auc_113: 0.4995
Epoch 201/700
267/267 [=====] - 1s 4ms/step - loss: 19.6032 -
auc_113: 0.5033 - val_loss: 43.0813 - val_auc_113: 0.4982
Epoch 202/700
267/267 [=====] - 1s 3ms/step - loss: 20.2128 -
auc_113: 0.5068 - val_loss: 16.8162 - val_auc_113: 0.5076
Epoch 203/700

267/267 [=====] - 1s 3ms/step - loss: 17.6245 -
auc_113: 0.5020 - val_loss: 21.4226 - val_auc_113: 0.4964
Epoch 204/700
267/267 [=====] - 1s 3ms/step - loss: 17.3376 -
auc_113: 0.5052 - val_loss: 17.3996 - val_auc_113: 0.4892
Epoch 205/700
267/267 [=====] - 1s 3ms/step - loss: 18.3275 -
auc_113: 0.5036 - val_loss: 8.6202 - val_auc_113: 0.5027
Epoch 206/700
267/267 [=====] - 1s 3ms/step - loss: 19.1484 -
auc_113: 0.5029 - val_loss: 24.5930 - val_auc_113: 0.5013
Epoch 207/700
267/267 [=====] - 1s 3ms/step - loss: 22.4769 -
auc_113: 0.5027 - val_loss: 27.4786 - val_auc_113: 0.4931
Epoch 208/700
267/267 [=====] - 1s 3ms/step - loss: 16.8358 -
auc_113: 0.5009 - val_loss: 13.3160 - val_auc_113: 0.5123
Epoch 209/700
267/267 [=====] - 1s 3ms/step - loss: 17.8013 -
auc_113: 0.5052 - val_loss: 21.9843 - val_auc_113: 0.4921
Epoch 210/700
267/267 [=====] - 1s 3ms/step - loss: 18.1871 -
auc_113: 0.5040 - val_loss: 32.2424 - val_auc_113: 0.5040
Epoch 211/700
267/267 [=====] - 1s 3ms/step - loss: 20.4056 -
auc_113: 0.5012 - val_loss: 19.7510 - val_auc_113: 0.5064
Epoch 212/700
267/267 [=====] - 1s 3ms/step - loss: 20.4048 -
auc_113: 0.5040 - val_loss: 50.9906 - val_auc_113: 0.4952
Epoch 213/700
267/267 [=====] - 1s 3ms/step - loss: 19.8349 -
auc_113: 0.5013 - val_loss: 12.9455 - val_auc_113: 0.4886
Epoch 214/700
267/267 [=====] - 1s 3ms/step - loss: 16.2487 -
auc_113: 0.5029 - val_loss: 9.7155 - val_auc_113: 0.5148
Epoch 215/700
267/267 [=====] - 1s 3ms/step - loss: 17.7721 -
auc_113: 0.5036 - val_loss: 29.5127 - val_auc_113: 0.4908
Epoch 216/700
267/267 [=====] - 1s 3ms/step - loss: 21.5830 -
auc_113: 0.5051 - val_loss: 18.9851 - val_auc_113: 0.5117
Epoch 217/700
267/267 [=====] - 1s 3ms/step - loss: 24.7057 -
auc_113: 0.5021 - val_loss: 26.7358 - val_auc_113: 0.5014
Epoch 218/700
267/267 [=====] - 1s 3ms/step - loss: 19.8253 -
auc_113: 0.5006 - val_loss: 12.1265 - val_auc_113: 0.5028
Epoch 219/700

267/267 [=====] - 1s 3ms/step - loss: 17.5496 -
auc_113: 0.5047 - val_loss: 13.7863 - val_auc_113: 0.4935
Epoch 220/700
267/267 [=====] - 1s 3ms/step - loss: 19.6292 -
auc_113: 0.5035 - val_loss: 23.4823 - val_auc_113: 0.5119
Epoch 221/700
267/267 [=====] - 1s 3ms/step - loss: 21.3843 -
auc_113: 0.5029 - val_loss: 11.5663 - val_auc_113: 0.5108
Epoch 222/700
267/267 [=====] - 1s 3ms/step - loss: 16.5271 -
auc_113: 0.5027 - val_loss: 43.9537 - val_auc_113: 0.4992
Epoch 223/700
267/267 [=====] - 1s 3ms/step - loss: 19.5889 -
auc_113: 0.5046 - val_loss: 14.7309 - val_auc_113: 0.5084
Epoch 224/700
267/267 [=====] - 1s 3ms/step - loss: 19.7211 -
auc_113: 0.5034 - val_loss: 18.4364 - val_auc_113: 0.5006
Epoch 225/700
267/267 [=====] - 1s 3ms/step - loss: 20.7313 -
auc_113: 0.5026 - val_loss: 5.9938 - val_auc_113: 0.4949
Epoch 226/700
267/267 [=====] - 1s 3ms/step - loss: 21.7119 -
auc_113: 0.5024 - val_loss: 11.1822 - val_auc_113: 0.4953
Epoch 227/700
267/267 [=====] - 1s 3ms/step - loss: 24.7113 -
auc_113: 0.5008 - val_loss: 11.1458 - val_auc_113: 0.5031
Epoch 228/700
267/267 [=====] - 1s 3ms/step - loss: 16.9497 -
auc_113: 0.4999 - val_loss: 15.1728 - val_auc_113: 0.4912
Epoch 229/700
267/267 [=====] - 1s 3ms/step - loss: 22.8265 -
auc_113: 0.5007 - val_loss: 26.1854 - val_auc_113: 0.4937
Epoch 230/700
267/267 [=====] - 1s 3ms/step - loss: 17.5094 -
auc_113: 0.5025 - val_loss: 17.6644 - val_auc_113: 0.4996
Epoch 231/700
267/267 [=====] - 1s 3ms/step - loss: 20.5995 -
auc_113: 0.5059 - val_loss: 13.8806 - val_auc_113: 0.4977
Epoch 232/700
267/267 [=====] - 1s 3ms/step - loss: 16.9138 -
auc_113: 0.5029 - val_loss: 22.2200 - val_auc_113: 0.5064
Epoch 233/700
267/267 [=====] - 1s 3ms/step - loss: 20.0337 -
auc_113: 0.5059 - val_loss: 24.5282 - val_auc_113: 0.5008
Epoch 234/700
267/267 [=====] - 1s 3ms/step - loss: 17.8519 -
auc_113: 0.5014 - val_loss: 9.8580 - val_auc_113: 0.5054
Epoch 235/700

267/267 [=====] - 1s 3ms/step - loss: 21.0586 -
auc_113: 0.5036 - val_loss: 31.7465 - val_auc_113: 0.4953
Epoch 236/700
267/267 [=====] - 1s 3ms/step - loss: 22.3833 -
auc_113: 0.5001 - val_loss: 13.4299 - val_auc_113: 0.5035
Epoch 237/700
267/267 [=====] - 1s 3ms/step - loss: 20.0931 -
auc_113: 0.5022 - val_loss: 9.8966 - val_auc_113: 0.5080
Epoch 238/700
267/267 [=====] - 1s 3ms/step - loss: 18.1683 -
auc_113: 0.4999 - val_loss: 17.7712 - val_auc_113: 0.5131
Epoch 239/700
267/267 [=====] - 1s 3ms/step - loss: 23.0623 -
auc_113: 0.5018 - val_loss: 16.6202 - val_auc_113: 0.4969
Epoch 240/700
267/267 [=====] - 1s 3ms/step - loss: 21.4725 -
auc_113: 0.5038 - val_loss: 19.2918 - val_auc_113: 0.4995
Epoch 241/700
267/267 [=====] - 1s 3ms/step - loss: 21.2705 -
auc_113: 0.5026 - val_loss: 22.8003 - val_auc_113: 0.4920
Epoch 242/700
267/267 [=====] - 1s 3ms/step - loss: 18.2719 -
auc_113: 0.5058 - val_loss: 21.7119 - val_auc_113: 0.5021
Epoch 243/700
267/267 [=====] - 1s 3ms/step - loss: 20.0374 -
auc_113: 0.5021 - val_loss: 22.6939 - val_auc_113: 0.5049
Epoch 244/700
267/267 [=====] - 1s 3ms/step - loss: 19.2862 -
auc_113: 0.5007 - val_loss: 18.8676 - val_auc_113: 0.5126
Epoch 245/700
267/267 [=====] - 1s 3ms/step - loss: 19.1677 -
auc_113: 0.5035 - val_loss: 12.5614 - val_auc_113: 0.4960
Epoch 246/700
267/267 [=====] - 1s 3ms/step - loss: 24.4683 -
auc_113: 0.5053 - val_loss: 28.4184 - val_auc_113: 0.5065
Epoch 247/700
267/267 [=====] - 1s 3ms/step - loss: 20.3602 -
auc_113: 0.5014 - val_loss: 20.3146 - val_auc_113: 0.5123
Epoch 248/700
267/267 [=====] - 1s 3ms/step - loss: 17.3139 -
auc_113: 0.5001 - val_loss: 22.0458 - val_auc_113: 0.4931
Epoch 249/700
267/267 [=====] - 1s 3ms/step - loss: 18.0329 -
auc_113: 0.5038 - val_loss: 5.7706 - val_auc_113: 0.5002
Epoch 250/700
267/267 [=====] - 1s 3ms/step - loss: 19.3568 -
auc_113: 0.5039 - val_loss: 24.9516 - val_auc_113: 0.5003
Epoch 251/700

267/267 [=====] - 1s 3ms/step - loss: 19.6077 -
auc_113: 0.5032 - val_loss: 44.1433 - val_auc_113: 0.4844
Epoch 252/700
267/267 [=====] - 1s 3ms/step - loss: 19.4134 -
auc_113: 0.5014 - val_loss: 18.4934 - val_auc_113: 0.4974
Epoch 253/700
267/267 [=====] - 1s 3ms/step - loss: 21.8290 -
auc_113: 0.5045 - val_loss: 20.4880 - val_auc_113: 0.5007
Epoch 254/700
267/267 [=====] - 1s 3ms/step - loss: 19.6160 -
auc_113: 0.5026 - val_loss: 14.4651 - val_auc_113: 0.5156
Epoch 255/700
267/267 [=====] - 1s 3ms/step - loss: 21.0914 -
auc_113: 0.5039 - val_loss: 34.4335 - val_auc_113: 0.5091
Epoch 256/700
267/267 [=====] - 1s 3ms/step - loss: 18.3870 -
auc_113: 0.5028 - val_loss: 8.9229 - val_auc_113: 0.4932
Epoch 257/700
267/267 [=====] - 1s 3ms/step - loss: 20.4370 -
auc_113: 0.5075 - val_loss: 17.0113 - val_auc_113: 0.4962
Epoch 258/700
267/267 [=====] - 1s 3ms/step - loss: 21.3626 -
auc_113: 0.5040 - val_loss: 12.8712 - val_auc_113: 0.5142
Epoch 259/700
267/267 [=====] - 1s 3ms/step - loss: 19.8510 -
auc_113: 0.5023 - val_loss: 11.3267 - val_auc_113: 0.4949
Epoch 260/700
267/267 [=====] - 1s 4ms/step - loss: 21.8369 -
auc_113: 0.5016 - val_loss: 20.5634 - val_auc_113: 0.5047
Epoch 261/700
267/267 [=====] - 1s 3ms/step - loss: 21.4072 -
auc_113: 0.5019 - val_loss: 18.5036 - val_auc_113: 0.5040
Epoch 262/700
267/267 [=====] - 1s 3ms/step - loss: 24.1301 -
auc_113: 0.5014 - val_loss: 12.1775 - val_auc_113: 0.5162
Epoch 263/700
267/267 [=====] - 1s 3ms/step - loss: 19.8720 -
auc_113: 0.5040 - val_loss: 26.7816 - val_auc_113: 0.4993
Epoch 264/700
267/267 [=====] - 1s 3ms/step - loss: 22.0295 -
auc_113: 0.4995 - val_loss: 10.8498 - val_auc_113: 0.5029
Epoch 265/700
267/267 [=====] - 1s 3ms/step - loss: 17.8737 -
auc_113: 0.5030 - val_loss: 25.7221 - val_auc_113: 0.5013
Epoch 266/700
267/267 [=====] - 1s 3ms/step - loss: 19.6342 -
auc_113: 0.5028 - val_loss: 19.0031 - val_auc_113: 0.5039
Epoch 267/700

267/267 [=====] - 1s 3ms/step - loss: 16.5169 -
auc_113: 0.5059 - val_loss: 18.4625 - val_auc_113: 0.4963
Epoch 268/700
267/267 [=====] - 1s 3ms/step - loss: 20.0391 -
auc_113: 0.5000 - val_loss: 17.8686 - val_auc_113: 0.4937
Epoch 269/700
267/267 [=====] - 1s 3ms/step - loss: 17.9612 -
auc_113: 0.5015 - val_loss: 9.2078 - val_auc_113: 0.5120
Epoch 270/700
267/267 [=====] - 1s 3ms/step - loss: 19.4711 -
auc_113: 0.5050 - val_loss: 28.4742 - val_auc_113: 0.5073
Epoch 271/700
267/267 [=====] - 1s 3ms/step - loss: 27.2501 -
auc_113: 0.5035 - val_loss: 9.5631 - val_auc_113: 0.5041
Epoch 272/700
267/267 [=====] - 1s 3ms/step - loss: 17.3923 -
auc_113: 0.5050 - val_loss: 14.6937 - val_auc_113: 0.5086
Epoch 273/700
267/267 [=====] - 1s 3ms/step - loss: 23.1073 -
auc_113: 0.5016 - val_loss: 16.8278 - val_auc_113: 0.5056
Epoch 274/700
267/267 [=====] - 1s 3ms/step - loss: 20.9283 -
auc_113: 0.5000 - val_loss: 13.8620 - val_auc_113: 0.5041
Epoch 275/700
267/267 [=====] - 1s 3ms/step - loss: 16.7345 -
auc_113: 0.4974 - val_loss: 26.3469 - val_auc_113: 0.4967
Epoch 276/700
267/267 [=====] - 1s 3ms/step - loss: 18.6687 -
auc_113: 0.5031 - val_loss: 15.1176 - val_auc_113: 0.5150
Epoch 277/700
267/267 [=====] - 1s 3ms/step - loss: 19.4861 -
auc_113: 0.4999 - val_loss: 9.9669 - val_auc_113: 0.4945
Epoch 278/700
267/267 [=====] - 1s 3ms/step - loss: 20.8090 -
auc_113: 0.5030 - val_loss: 25.3479 - val_auc_113: 0.5078
Epoch 279/700
267/267 [=====] - 1s 3ms/step - loss: 19.5443 -
auc_113: 0.5030 - val_loss: 28.1326 - val_auc_113: 0.4870
Epoch 280/700
267/267 [=====] - 1s 3ms/step - loss: 19.1592 -
auc_113: 0.5034 - val_loss: 13.8544 - val_auc_113: 0.5015
Epoch 281/700
267/267 [=====] - 1s 3ms/step - loss: 20.6059 -
auc_113: 0.5003 - val_loss: 17.0622 - val_auc_113: 0.5080
Epoch 282/700
267/267 [=====] - 1s 3ms/step - loss: 21.7084 -
auc_113: 0.5009 - val_loss: 22.0720 - val_auc_113: 0.5059
Epoch 283/700

267/267 [=====] - 1s 3ms/step - loss: 18.3955 -
 auc_113: 0.5012 - val_loss: 11.3316 - val_auc_113: 0.4949
 Epoch 284/700
 267/267 [=====] - 1s 3ms/step - loss: 15.8510 -
 auc_113: 0.5038 - val_loss: 24.0788 - val_auc_113: 0.4949
 Epoch 285/700
 267/267 [=====] - 1s 3ms/step - loss: 21.4889 -
 auc_113: 0.4984 - val_loss: 30.0643 - val_auc_113: 0.5067
 Epoch 286/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2009 -
 auc_113: 0.5041 - val_loss: 8.1610 - val_auc_113: 0.5033
 Epoch 287/700
 267/267 [=====] - 1s 3ms/step - loss: 17.7885 -
 auc_113: 0.5036 - val_loss: 9.8927 - val_auc_113: 0.5100
 Epoch 288/700
 267/267 [=====] - 1s 3ms/step - loss: 21.4147 -
 auc_113: 0.5023 - val_loss: 41.8951 - val_auc_113: 0.4907
 Epoch 289/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6745 -
 auc_113: 0.5026 - val_loss: 42.8632 - val_auc_113: 0.5002
 Epoch 290/700
 267/267 [=====] - 1s 3ms/step - loss: 19.9494 -
 auc_113: 0.5038 - val_loss: 10.9074 - val_auc_113: 0.5067
 Epoch 291/700
 267/267 [=====] - 1s 3ms/step - loss: 24.2072 -
 auc_113: 0.5026 - val_loss: 6.8425 - val_auc_113: 0.4970
 Epoch 292/700
 267/267 [=====] - 1s 3ms/step - loss: 17.3928 -
 auc_113: 0.5033 - val_loss: 12.0906 - val_auc_113: 0.4985
 Epoch 293/700
 267/267 [=====] - 1s 3ms/step - loss: 19.7247 -
 auc_113: 0.5064 - val_loss: 15.1591 - val_auc_113: 0.5046
 Epoch 294/700
 267/267 [=====] - 1s 3ms/step - loss: 18.0530 -
 auc_113: 0.5018 - val_loss: 7.1945 - val_auc_113: 0.4929
 Epoch 295/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0818 -
 auc_113: 0.4980 - val_loss: 26.1581 - val_auc_113: 0.5075
 Epoch 296/700
 267/267 [=====] - 1s 3ms/step - loss: 18.3500 -
 auc_113: 0.5051 - val_loss: 35.3929 - val_auc_113: 0.4967
 Epoch 297/700
 267/267 [=====] - 1s 3ms/step - loss: 21.8635 -
 auc_113: 0.5039 - val_loss: 19.4213 - val_auc_113: 0.5050
 Epoch 298/700
 267/267 [=====] - 1s 3ms/step - loss: 18.4671 -
 auc_113: 0.5035 - val_loss: 28.5796 - val_auc_113: 0.5010
 Epoch 299/700

267/267 [=====] - 1s 3ms/step - loss: 17.3905 -
auc_113: 0.5030 - val_loss: 29.9280 - val_auc_113: 0.5032
Epoch 300/700
267/267 [=====] - 1s 3ms/step - loss: 19.3639 -
auc_113: 0.5032 - val_loss: 7.6036 - val_auc_113: 0.5056
Epoch 301/700
267/267 [=====] - 1s 3ms/step - loss: 21.3358 -
auc_113: 0.5065 - val_loss: 26.6392 - val_auc_113: 0.5069
Epoch 302/700
267/267 [=====] - 1s 3ms/step - loss: 21.0171 -
auc_113: 0.5032 - val_loss: 15.8368 - val_auc_113: 0.4962
Epoch 303/700
267/267 [=====] - 1s 3ms/step - loss: 19.2699 -
auc_113: 0.5053 - val_loss: 8.4742 - val_auc_113: 0.5041
Epoch 304/700
267/267 [=====] - 1s 3ms/step - loss: 19.5646 -
auc_113: 0.5056 - val_loss: 8.2636 - val_auc_113: 0.4968
Epoch 305/700
267/267 [=====] - 1s 3ms/step - loss: 18.2229 -
auc_113: 0.5047 - val_loss: 19.0636 - val_auc_113: 0.5045
Epoch 306/700
267/267 [=====] - 1s 3ms/step - loss: 19.9013 -
auc_113: 0.5025 - val_loss: 10.5026 - val_auc_113: 0.4978
Epoch 307/700
267/267 [=====] - 1s 3ms/step - loss: 16.5645 -
auc_113: 0.4968 - val_loss: 17.7464 - val_auc_113: 0.5102
Epoch 308/700
267/267 [=====] - 1s 3ms/step - loss: 23.5796 -
auc_113: 0.5019 - val_loss: 33.3487 - val_auc_113: 0.5029
Epoch 309/700
267/267 [=====] - 1s 3ms/step - loss: 18.4972 -
auc_113: 0.5030 - val_loss: 24.8897 - val_auc_113: 0.5077
Epoch 310/700
267/267 [=====] - 1s 3ms/step - loss: 17.5553 -
auc_113: 0.5031 - val_loss: 9.5879 - val_auc_113: 0.4926
Epoch 311/700
267/267 [=====] - 1s 3ms/step - loss: 16.4456 -
auc_113: 0.5037 - val_loss: 10.3182 - val_auc_113: 0.4970
Epoch 312/700
267/267 [=====] - 1s 3ms/step - loss: 18.7579 -
auc_113: 0.5071 - val_loss: 24.9261 - val_auc_113: 0.5005
Epoch 313/700
267/267 [=====] - 1s 3ms/step - loss: 22.1044 -
auc_113: 0.5016 - val_loss: 10.7247 - val_auc_113: 0.5111
Epoch 314/700
267/267 [=====] - 1s 3ms/step - loss: 18.7724 -
auc_113: 0.5045 - val_loss: 16.6964 - val_auc_113: 0.5104
Epoch 315/700

267/267 [=====] - 1s 3ms/step - loss: 20.7437 -
auc_113: 0.5074 - val_loss: 8.2826 - val_auc_113: 0.4905
Epoch 316/700
267/267 [=====] - 1s 3ms/step - loss: 18.3444 -
auc_113: 0.5018 - val_loss: 21.3360 - val_auc_113: 0.4972
Epoch 317/700
267/267 [=====] - 1s 3ms/step - loss: 19.8007 -
auc_113: 0.5011 - val_loss: 19.3245 - val_auc_113: 0.5040
Epoch 318/700
267/267 [=====] - 1s 3ms/step - loss: 19.7153 -
auc_113: 0.5034 - val_loss: 17.2507 - val_auc_113: 0.5067
Epoch 319/700
267/267 [=====] - 1s 3ms/step - loss: 19.0212 -
auc_113: 0.5048 - val_loss: 23.1082 - val_auc_113: 0.4983
Epoch 320/700
267/267 [=====] - 1s 3ms/step - loss: 19.9880 -
auc_113: 0.5020 - val_loss: 29.0060 - val_auc_113: 0.5031
Epoch 321/700
267/267 [=====] - 1s 3ms/step - loss: 16.8357 -
auc_113: 0.5043 - val_loss: 10.2878 - val_auc_113: 0.4967
Epoch 322/700
267/267 [=====] - 1s 3ms/step - loss: 20.3110 -
auc_113: 0.5032 - val_loss: 20.5546 - val_auc_113: 0.5037
Epoch 323/700
267/267 [=====] - 1s 3ms/step - loss: 22.4091 -
auc_113: 0.5023 - val_loss: 15.4346 - val_auc_113: 0.5006
Epoch 324/700
267/267 [=====] - 1s 3ms/step - loss: 19.3448 -
auc_113: 0.5027 - val_loss: 4.1143 - val_auc_113: 0.5031
Epoch 325/700
267/267 [=====] - 1s 3ms/step - loss: 24.8872 -
auc_113: 0.5041 - val_loss: 9.4302 - val_auc_113: 0.5024
Epoch 326/700
267/267 [=====] - 1s 3ms/step - loss: 18.2007 -
auc_113: 0.5032 - val_loss: 9.8706 - val_auc_113: 0.5077
Epoch 327/700
267/267 [=====] - 1s 3ms/step - loss: 17.6014 -
auc_113: 0.5007 - val_loss: 35.6558 - val_auc_113: 0.5040
Epoch 328/700
267/267 [=====] - 1s 3ms/step - loss: 19.1774 -
auc_113: 0.5021 - val_loss: 11.8623 - val_auc_113: 0.5024
Epoch 329/700
267/267 [=====] - 1s 3ms/step - loss: 19.8316 -
auc_113: 0.5027 - val_loss: 20.1551 - val_auc_113: 0.5146
Epoch 330/700
267/267 [=====] - 1s 3ms/step - loss: 19.8041 -
auc_113: 0.5005 - val_loss: 15.8462 - val_auc_113: 0.5120
Epoch 331/700

267/267 [=====] - 1s 3ms/step - loss: 18.1793 -
 auc_113: 0.5054 - val_loss: 14.5391 - val_auc_113: 0.4963
 Epoch 332/700
 267/267 [=====] - 1s 3ms/step - loss: 18.0508 -
 auc_113: 0.4991 - val_loss: 12.4516 - val_auc_113: 0.5069
 Epoch 333/700
 267/267 [=====] - 1s 3ms/step - loss: 19.1063 -
 auc_113: 0.5067 - val_loss: 25.6566 - val_auc_113: 0.5117
 Epoch 334/700
 267/267 [=====] - 1s 3ms/step - loss: 21.3958 -
 auc_113: 0.5057 - val_loss: 24.2990 - val_auc_113: 0.5108
 Epoch 335/700
 267/267 [=====] - 1s 3ms/step - loss: 22.3027 -
 auc_113: 0.5043 - val_loss: 14.8053 - val_auc_113: 0.5043
 Epoch 336/700
 267/267 [=====] - 1s 3ms/step - loss: 21.6441 -
 auc_113: 0.4990 - val_loss: 13.1213 - val_auc_113: 0.5064
 Epoch 337/700
 267/267 [=====] - 1s 3ms/step - loss: 19.9228 -
 auc_113: 0.5021 - val_loss: 25.3000 - val_auc_113: 0.5061
 Epoch 338/700
 267/267 [=====] - 1s 3ms/step - loss: 18.9720 -
 auc_113: 0.5014 - val_loss: 7.3248 - val_auc_113: 0.5068
 Epoch 339/700
 267/267 [=====] - 1s 3ms/step - loss: 19.1893 -
 auc_113: 0.5064 - val_loss: 13.1714 - val_auc_113: 0.5089
 Epoch 340/700
 267/267 [=====] - 1s 3ms/step - loss: 23.6118 -
 auc_113: 0.5019 - val_loss: 15.7174 - val_auc_113: 0.4969
 Epoch 341/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1261 -
 auc_113: 0.5027 - val_loss: 9.1144 - val_auc_113: 0.5002
 Epoch 342/700
 267/267 [=====] - 1s 3ms/step - loss: 21.2987 -
 auc_113: 0.5025 - val_loss: 25.2219 - val_auc_113: 0.5062
 Epoch 343/700
 267/267 [=====] - 1s 3ms/step - loss: 19.9709 -
 auc_113: 0.5016 - val_loss: 16.3892 - val_auc_113: 0.5071
 Epoch 344/700
 267/267 [=====] - 1s 3ms/step - loss: 20.8497 -
 auc_113: 0.5010 - val_loss: 18.2866 - val_auc_113: 0.5078
 Epoch 345/700
 267/267 [=====] - 1s 3ms/step - loss: 15.4783 -
 auc_113: 0.5033 - val_loss: 13.3507 - val_auc_113: 0.4889
 Epoch 346/700
 267/267 [=====] - 1s 3ms/step - loss: 18.7521 -
 auc_113: 0.5026 - val_loss: 18.9397 - val_auc_113: 0.5095
 Epoch 347/700

267/267 [=====] - 1s 3ms/step - loss: 22.2143 -
 auc_113: 0.5044 - val_loss: 21.8921 - val_auc_113: 0.5056
 Epoch 348/700
 267/267 [=====] - 1s 3ms/step - loss: 21.5259 -
 auc_113: 0.5033 - val_loss: 41.6100 - val_auc_113: 0.4946
 Epoch 349/700
 267/267 [=====] - 1s 3ms/step - loss: 19.7083 -
 auc_113: 0.5026 - val_loss: 35.6485 - val_auc_113: 0.5007
 Epoch 350/700
 267/267 [=====] - 1s 3ms/step - loss: 23.5239 -
 auc_113: 0.5028 - val_loss: 19.8004 - val_auc_113: 0.5054
 Epoch 351/700
 267/267 [=====] - 1s 3ms/step - loss: 18.0933 -
 auc_113: 0.5058 - val_loss: 14.7966 - val_auc_113: 0.4993
 Epoch 352/700
 267/267 [=====] - 1s 3ms/step - loss: 22.8159 -
 auc_113: 0.5030 - val_loss: 18.3109 - val_auc_113: 0.5040
 Epoch 353/700
 267/267 [=====] - 1s 3ms/step - loss: 24.8093 -
 auc_113: 0.5064 - val_loss: 17.7973 - val_auc_113: 0.5108
 Epoch 354/700
 267/267 [=====] - 1s 3ms/step - loss: 18.4619 -
 auc_113: 0.5024 - val_loss: 22.5636 - val_auc_113: 0.5025
 Epoch 355/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0161 -
 auc_113: 0.5033 - val_loss: 9.1376 - val_auc_113: 0.5122
 Epoch 356/700
 267/267 [=====] - 1s 3ms/step - loss: 19.9574 -
 auc_113: 0.5021 - val_loss: 17.5779 - val_auc_113: 0.5011
 Epoch 357/700
 267/267 [=====] - 1s 3ms/step - loss: 21.8601 -
 auc_113: 0.5028 - val_loss: 23.8593 - val_auc_113: 0.5040
 Epoch 358/700
 267/267 [=====] - 1s 3ms/step - loss: 20.1161 -
 auc_113: 0.5029 - val_loss: 7.0286 - val_auc_113: 0.4940
 Epoch 359/700
 267/267 [=====] - 1s 3ms/step - loss: 19.1538 -
 auc_113: 0.5074 - val_loss: 20.7858 - val_auc_113: 0.4899
 Epoch 360/700
 267/267 [=====] - 1s 3ms/step - loss: 25.8592 -
 auc_113: 0.5052 - val_loss: 8.9328 - val_auc_113: 0.4972
 Epoch 361/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5117 -
 auc_113: 0.5011 - val_loss: 16.5312 - val_auc_113: 0.4934
 Epoch 362/700
 267/267 [=====] - 1s 3ms/step - loss: 21.4652 -
 auc_113: 0.5003 - val_loss: 38.5720 - val_auc_113: 0.5021
 Epoch 363/700

267/267 [=====] - 1s 3ms/step - loss: 24.8372 -
 auc_113: 0.5015 - val_loss: 58.7667 - val_auc_113: 0.5039
 Epoch 364/700
 267/267 [=====] - 1s 3ms/step - loss: 21.9985 -
 auc_113: 0.5026 - val_loss: 20.5529 - val_auc_113: 0.5056
 Epoch 365/700
 267/267 [=====] - 1s 3ms/step - loss: 21.5136 -
 auc_113: 0.5011 - val_loss: 8.8791 - val_auc_113: 0.4997
 Epoch 366/700
 267/267 [=====] - 1s 3ms/step - loss: 17.9862 -
 auc_113: 0.5030 - val_loss: 27.8366 - val_auc_113: 0.5023
 Epoch 367/700
 267/267 [=====] - 1s 3ms/step - loss: 23.0469 -
 auc_113: 0.5029 - val_loss: 8.3534 - val_auc_113: 0.5033
 Epoch 368/700
 267/267 [=====] - 1s 3ms/step - loss: 21.9053 -
 auc_113: 0.5032 - val_loss: 16.6756 - val_auc_113: 0.5126
 Epoch 369/700
 267/267 [=====] - 1s 3ms/step - loss: 17.1371 -
 auc_113: 0.5058 - val_loss: 12.6985 - val_auc_113: 0.5004
 Epoch 370/700
 267/267 [=====] - 1s 3ms/step - loss: 17.3076 -
 auc_113: 0.5035 - val_loss: 11.4409 - val_auc_113: 0.5102
 Epoch 371/700
 267/267 [=====] - 1s 3ms/step - loss: 17.9403 -
 auc_113: 0.5045 - val_loss: 16.2606 - val_auc_113: 0.5015
 Epoch 372/700
 267/267 [=====] - 1s 3ms/step - loss: 18.3522 -
 auc_113: 0.5021 - val_loss: 22.2779 - val_auc_113: 0.5097
 Epoch 373/700
 267/267 [=====] - 1s 3ms/step - loss: 24.4019 -
 auc_113: 0.5019 - val_loss: 8.5851 - val_auc_113: 0.5052
 Epoch 374/700
 267/267 [=====] - 1s 3ms/step - loss: 23.9269 -
 auc_113: 0.4995 - val_loss: 11.5223 - val_auc_113: 0.5074
 Epoch 375/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8514 -
 auc_113: 0.4995 - val_loss: 19.2177 - val_auc_113: 0.4946
 Epoch 376/700
 267/267 [=====] - 1s 3ms/step - loss: 24.0063 -
 auc_113: 0.5037 - val_loss: 59.8988 - val_auc_113: 0.5010
 Epoch 377/700
 267/267 [=====] - 1s 3ms/step - loss: 22.0114 -
 auc_113: 0.5041 - val_loss: 11.9249 - val_auc_113: 0.4924
 Epoch 378/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1930 -
 auc_113: 0.5033 - val_loss: 22.5391 - val_auc_113: 0.4978
 Epoch 379/700

267/267 [=====] - 1s 3ms/step - loss: 18.2313 -
 auc_113: 0.5042 - val_loss: 22.8595 - val_auc_113: 0.4896
 Epoch 380/700
 267/267 [=====] - 1s 3ms/step - loss: 22.5861 -
 auc_113: 0.5042 - val_loss: 7.5324 - val_auc_113: 0.5030
 Epoch 381/700
 267/267 [=====] - 1s 3ms/step - loss: 18.5289 -
 auc_113: 0.5016 - val_loss: 11.7855 - val_auc_113: 0.5027
 Epoch 382/700
 267/267 [=====] - 1s 3ms/step - loss: 24.5565 -
 auc_113: 0.5023 - val_loss: 22.7656 - val_auc_113: 0.5017
 Epoch 383/700
 267/267 [=====] - 1s 3ms/step - loss: 23.2077 -
 auc_113: 0.5010 - val_loss: 14.6252 - val_auc_113: 0.4968
 Epoch 384/700
 267/267 [=====] - 1s 3ms/step - loss: 22.5597 -
 auc_113: 0.5054 - val_loss: 18.0856 - val_auc_113: 0.4969
 Epoch 385/700
 267/267 [=====] - 1s 3ms/step - loss: 20.5797 -
 auc_113: 0.5012 - val_loss: 11.0344 - val_auc_113: 0.4950
 Epoch 386/700
 267/267 [=====] - 1s 3ms/step - loss: 19.1082 -
 auc_113: 0.5042 - val_loss: 20.2616 - val_auc_113: 0.4975
 Epoch 387/700
 267/267 [=====] - 1s 3ms/step - loss: 22.8589 -
 auc_113: 0.5013 - val_loss: 28.5464 - val_auc_113: 0.5104
 Epoch 388/700
 267/267 [=====] - 1s 3ms/step - loss: 21.1300 -
 auc_113: 0.5020 - val_loss: 36.8740 - val_auc_113: 0.5116
 Epoch 389/700
 267/267 [=====] - 1s 3ms/step - loss: 21.4933 -
 auc_113: 0.5024 - val_loss: 20.1721 - val_auc_113: 0.5085
 Epoch 390/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4746 -
 auc_113: 0.5035 - val_loss: 24.4953 - val_auc_113: 0.5092
 Epoch 391/700
 267/267 [=====] - 1s 3ms/step - loss: 23.1735 -
 auc_113: 0.5040 - val_loss: 10.5231 - val_auc_113: 0.5038
 Epoch 392/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8754 -
 auc_113: 0.5015 - val_loss: 31.1018 - val_auc_113: 0.5074
 Epoch 393/700
 267/267 [=====] - 1s 3ms/step - loss: 18.5801 -
 auc_113: 0.5031 - val_loss: 11.0255 - val_auc_113: 0.5113
 Epoch 394/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6028 -
 auc_113: 0.5030 - val_loss: 18.7033 - val_auc_113: 0.5011
 Epoch 395/700

267/267 [=====] - 1s 3ms/step - loss: 18.8975 -
 auc_113: 0.4998 - val_loss: 33.4794 - val_auc_113: 0.4929
 Epoch 396/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3338 -
 auc_113: 0.5009 - val_loss: 13.6074 - val_auc_113: 0.5060
 Epoch 397/700
 267/267 [=====] - 1s 3ms/step - loss: 18.0126 -
 auc_113: 0.5000 - val_loss: 15.8978 - val_auc_113: 0.5001
 Epoch 398/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6507 -
 auc_113: 0.5036 - val_loss: 7.4627 - val_auc_113: 0.5106
 Epoch 399/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3901 -
 auc_113: 0.5024 - val_loss: 21.8097 - val_auc_113: 0.4968
 Epoch 400/700
 267/267 [=====] - 1s 3ms/step - loss: 21.0066 -
 auc_113: 0.5060 - val_loss: 27.8259 - val_auc_113: 0.5012
 Epoch 401/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3149 -
 auc_113: 0.5037 - val_loss: 6.1506 - val_auc_113: 0.4874
 Epoch 402/700
 267/267 [=====] - 1s 3ms/step - loss: 20.3129 -
 auc_113: 0.5028 - val_loss: 7.1741 - val_auc_113: 0.5019
 Epoch 403/700
 267/267 [=====] - 1s 3ms/step - loss: 19.9880 -
 auc_113: 0.5011 - val_loss: 20.6281 - val_auc_113: 0.4888
 Epoch 404/700
 267/267 [=====] - 1s 3ms/step - loss: 20.5293 -
 auc_113: 0.5014 - val_loss: 18.6799 - val_auc_113: 0.5086
 Epoch 405/700
 267/267 [=====] - 1s 3ms/step - loss: 16.2949 -
 auc_113: 0.5050 - val_loss: 11.8693 - val_auc_113: 0.4939
 Epoch 406/700
 267/267 [=====] - 1s 3ms/step - loss: 16.6884 -
 auc_113: 0.5035 - val_loss: 17.3595 - val_auc_113: 0.4962
 Epoch 407/700
 267/267 [=====] - 1s 3ms/step - loss: 20.3944 -
 auc_113: 0.5044 - val_loss: 11.0070 - val_auc_113: 0.4981
 Epoch 408/700
 267/267 [=====] - 1s 3ms/step - loss: 19.8384 -
 auc_113: 0.5074 - val_loss: 14.4230 - val_auc_113: 0.5082
 Epoch 409/700
 267/267 [=====] - 1s 3ms/step - loss: 19.4738 -
 auc_113: 0.5031 - val_loss: 15.2162 - val_auc_113: 0.4930
 Epoch 410/700
 267/267 [=====] - 1s 3ms/step - loss: 17.4467 -
 auc_113: 0.5048 - val_loss: 10.6083 - val_auc_113: 0.5053
 Epoch 411/700

267/267 [=====] - 1s 3ms/step - loss: 24.3204 -
auc_113: 0.5020 - val_loss: 44.1596 - val_auc_113: 0.5084
Epoch 412/700
267/267 [=====] - 1s 3ms/step - loss: 19.9725 -
auc_113: 0.5048 - val_loss: 42.0010 - val_auc_113: 0.4969
Epoch 413/700
267/267 [=====] - 1s 3ms/step - loss: 17.3983 -
auc_113: 0.5038 - val_loss: 8.8249 - val_auc_113: 0.4992
Epoch 414/700
267/267 [=====] - 1s 3ms/step - loss: 20.2852 -
auc_113: 0.5005 - val_loss: 18.5206 - val_auc_113: 0.5022
Epoch 415/700
267/267 [=====] - 1s 3ms/step - loss: 19.2335 -
auc_113: 0.5044 - val_loss: 18.8712 - val_auc_113: 0.4992
Epoch 416/700
267/267 [=====] - 1s 3ms/step - loss: 16.2405 -
auc_113: 0.5015 - val_loss: 15.4397 - val_auc_113: 0.5140
Epoch 417/700
267/267 [=====] - 1s 3ms/step - loss: 19.6196 -
auc_113: 0.5025 - val_loss: 36.6091 - val_auc_113: 0.4984
Epoch 418/700
267/267 [=====] - 1s 3ms/step - loss: 17.4516 -
auc_113: 0.5016 - val_loss: 15.9041 - val_auc_113: 0.5011
Epoch 419/700
267/267 [=====] - 1s 3ms/step - loss: 16.5395 -
auc_113: 0.5050 - val_loss: 17.5838 - val_auc_113: 0.4946
Epoch 420/700
267/267 [=====] - 1s 3ms/step - loss: 24.3431 -
auc_113: 0.5025 - val_loss: 20.2713 - val_auc_113: 0.4981
Epoch 421/700
267/267 [=====] - 1s 3ms/step - loss: 19.3033 -
auc_113: 0.5044 - val_loss: 23.8199 - val_auc_113: 0.4874
Epoch 422/700
267/267 [=====] - 1s 3ms/step - loss: 20.0499 -
auc_113: 0.5056 - val_loss: 18.4078 - val_auc_113: 0.5064
Epoch 423/700
267/267 [=====] - 1s 3ms/step - loss: 16.7692 -
auc_113: 0.5048 - val_loss: 8.3265 - val_auc_113: 0.4912
Epoch 424/700
267/267 [=====] - 1s 3ms/step - loss: 22.4970 -
auc_113: 0.5016 - val_loss: 31.4148 - val_auc_113: 0.5110
Epoch 425/700
267/267 [=====] - 1s 3ms/step - loss: 20.9577 -
auc_113: 0.5042 - val_loss: 31.3050 - val_auc_113: 0.5005
Epoch 426/700
267/267 [=====] - 1s 3ms/step - loss: 20.1601 -
auc_113: 0.5059 - val_loss: 19.3958 - val_auc_113: 0.5055
Epoch 427/700

267/267 [=====] - 1s 3ms/step - loss: 18.2912 -
auc_113: 0.5027 - val_loss: 10.4045 - val_auc_113: 0.5132
Epoch 428/700
267/267 [=====] - 1s 3ms/step - loss: 21.0846 -
auc_113: 0.5036 - val_loss: 21.7203 - val_auc_113: 0.5146
Epoch 429/700
267/267 [=====] - 1s 3ms/step - loss: 17.4130 -
auc_113: 0.5023 - val_loss: 12.4661 - val_auc_113: 0.5109
Epoch 430/700
267/267 [=====] - 1s 3ms/step - loss: 18.5241 -
auc_113: 0.5052 - val_loss: 19.9988 - val_auc_113: 0.5090
Epoch 431/700
267/267 [=====] - 1s 3ms/step - loss: 21.8495 -
auc_113: 0.5001 - val_loss: 21.1242 - val_auc_113: 0.4970
Epoch 432/700
267/267 [=====] - 1s 3ms/step - loss: 18.6909 -
auc_113: 0.5008 - val_loss: 10.3310 - val_auc_113: 0.5059
Epoch 433/700
267/267 [=====] - 1s 3ms/step - loss: 17.5520 -
auc_113: 0.5032 - val_loss: 24.7542 - val_auc_113: 0.5151
Epoch 434/700
267/267 [=====] - 1s 3ms/step - loss: 17.1402 -
auc_113: 0.5055 - val_loss: 15.8074 - val_auc_113: 0.5041
Epoch 435/700
267/267 [=====] - 1s 3ms/step - loss: 22.6134 -
auc_113: 0.5056 - val_loss: 16.3285 - val_auc_113: 0.4954
Epoch 436/700
267/267 [=====] - 1s 3ms/step - loss: 16.9515 -
auc_113: 0.5026 - val_loss: 15.1264 - val_auc_113: 0.5120
Epoch 437/700
267/267 [=====] - 1s 3ms/step - loss: 17.6311 -
auc_113: 0.5069 - val_loss: 8.8294 - val_auc_113: 0.5036
Epoch 438/700
267/267 [=====] - 1s 3ms/step - loss: 19.7777 -
auc_113: 0.5045 - val_loss: 6.4419 - val_auc_113: 0.5059
Epoch 439/700
267/267 [=====] - 1s 3ms/step - loss: 19.6507 -
auc_113: 0.5041 - val_loss: 12.3918 - val_auc_113: 0.5041
Epoch 440/700
267/267 [=====] - 1s 3ms/step - loss: 24.2386 -
auc_113: 0.5009 - val_loss: 10.0396 - val_auc_113: 0.5088
Epoch 441/700
267/267 [=====] - 1s 3ms/step - loss: 20.3980 -
auc_113: 0.5016 - val_loss: 17.3979 - val_auc_113: 0.4945
Epoch 442/700
267/267 [=====] - 1s 3ms/step - loss: 19.6030 -
auc_113: 0.5000 - val_loss: 20.8406 - val_auc_113: 0.5120
Epoch 443/700

267/267 [=====] - 1s 3ms/step - loss: 18.3319 -
auc_113: 0.5002 - val_loss: 9.5689 - val_auc_113: 0.4907
Epoch 444/700
267/267 [=====] - 1s 3ms/step - loss: 19.3739 -
auc_113: 0.5006 - val_loss: 20.7147 - val_auc_113: 0.5096
Epoch 445/700
267/267 [=====] - 1s 3ms/step - loss: 21.3123 -
auc_113: 0.5040 - val_loss: 10.7107 - val_auc_113: 0.4930
Epoch 446/700
267/267 [=====] - 1s 3ms/step - loss: 21.1380 -
auc_113: 0.5063 - val_loss: 11.0356 - val_auc_113: 0.5026
Epoch 447/700
267/267 [=====] - 1s 3ms/step - loss: 20.4399 -
auc_113: 0.5031 - val_loss: 19.7740 - val_auc_113: 0.5089
Epoch 448/700
267/267 [=====] - 1s 3ms/step - loss: 18.4761 -
auc_113: 0.5023 - val_loss: 16.9696 - val_auc_113: 0.5038
Epoch 449/700
267/267 [=====] - 1s 3ms/step - loss: 19.3912 -
auc_113: 0.5008 - val_loss: 16.9341 - val_auc_113: 0.4920
Epoch 450/700
267/267 [=====] - 1s 3ms/step - loss: 19.8394 -
auc_113: 0.5045 - val_loss: 11.9399 - val_auc_113: 0.5030
Epoch 451/700
267/267 [=====] - 1s 3ms/step - loss: 17.3012 -
auc_113: 0.5005 - val_loss: 30.1492 - val_auc_113: 0.4931
Epoch 452/700
267/267 [=====] - 1s 3ms/step - loss: 18.3393 -
auc_113: 0.4990 - val_loss: 29.9474 - val_auc_113: 0.5022
Epoch 453/700
267/267 [=====] - 1s 3ms/step - loss: 21.2398 -
auc_113: 0.5041 - val_loss: 36.3392 - val_auc_113: 0.5042
Epoch 454/700
267/267 [=====] - 1s 3ms/step - loss: 19.6988 -
auc_113: 0.5025 - val_loss: 14.1105 - val_auc_113: 0.4973
Epoch 455/700
267/267 [=====] - 1s 3ms/step - loss: 19.6317 -
auc_113: 0.5004 - val_loss: 15.4613 - val_auc_113: 0.4914
Epoch 456/700
267/267 [=====] - 1s 3ms/step - loss: 15.3781 -
auc_113: 0.5023 - val_loss: 19.1197 - val_auc_113: 0.4954
Epoch 457/700
267/267 [=====] - 1s 3ms/step - loss: 19.5618 -
auc_113: 0.5062 - val_loss: 12.4684 - val_auc_113: 0.5025
Epoch 458/700
267/267 [=====] - 1s 3ms/step - loss: 15.5761 -
auc_113: 0.5033 - val_loss: 29.0801 - val_auc_113: 0.5029
Epoch 459/700

267/267 [=====] - 1s 3ms/step - loss: 21.9686 -
auc_113: 0.5022 - val_loss: 44.7153 - val_auc_113: 0.5067
Epoch 460/700
267/267 [=====] - 1s 3ms/step - loss: 23.7093 -
auc_113: 0.4987 - val_loss: 13.1354 - val_auc_113: 0.4934
Epoch 461/700
267/267 [=====] - 1s 3ms/step - loss: 18.1744 -
auc_113: 0.5023 - val_loss: 9.6860 - val_auc_113: 0.5036
Epoch 462/700
267/267 [=====] - 1s 3ms/step - loss: 18.9359 -
auc_113: 0.5046 - val_loss: 11.0686 - val_auc_113: 0.5096
Epoch 463/700
267/267 [=====] - 1s 3ms/step - loss: 16.5086 -
auc_113: 0.5046 - val_loss: 5.6396 - val_auc_113: 0.5022
Epoch 464/700
267/267 [=====] - 1s 3ms/step - loss: 21.2235 -
auc_113: 0.5041 - val_loss: 13.4473 - val_auc_113: 0.5060
Epoch 465/700
267/267 [=====] - 1s 3ms/step - loss: 17.2496 -
auc_113: 0.5008 - val_loss: 26.1790 - val_auc_113: 0.5010
Epoch 466/700
267/267 [=====] - 1s 3ms/step - loss: 19.5695 -
auc_113: 0.4995 - val_loss: 37.8399 - val_auc_113: 0.5121
Epoch 467/700
267/267 [=====] - 1s 3ms/step - loss: 22.4336 -
auc_113: 0.5032 - val_loss: 23.4821 - val_auc_113: 0.4992
Epoch 468/700
267/267 [=====] - 1s 3ms/step - loss: 17.5918 -
auc_113: 0.5040 - val_loss: 14.1858 - val_auc_113: 0.4895
Epoch 469/700
267/267 [=====] - 1s 3ms/step - loss: 20.3198 -
auc_113: 0.5029 - val_loss: 18.3377 - val_auc_113: 0.5111
Epoch 470/700
267/267 [=====] - 1s 3ms/step - loss: 19.3451 -
auc_113: 0.5038 - val_loss: 5.0889 - val_auc_113: 0.5069
Epoch 471/700
267/267 [=====] - 1s 3ms/step - loss: 22.9441 -
auc_113: 0.5035 - val_loss: 17.1774 - val_auc_113: 0.5030
Epoch 472/700
267/267 [=====] - 1s 3ms/step - loss: 16.2336 -
auc_113: 0.5008 - val_loss: 25.6076 - val_auc_113: 0.5118
Epoch 473/700
267/267 [=====] - 1s 3ms/step - loss: 23.2634 -
auc_113: 0.5022 - val_loss: 10.5153 - val_auc_113: 0.4969
Epoch 474/700
267/267 [=====] - 1s 3ms/step - loss: 16.9588 -
auc_113: 0.5049 - val_loss: 25.0226 - val_auc_113: 0.5078
Epoch 475/700

267/267 [=====] - 1s 3ms/step - loss: 15.8565 -
auc_113: 0.5003 - val_loss: 22.0256 - val_auc_113: 0.5028
Epoch 476/700
267/267 [=====] - 1s 3ms/step - loss: 19.2193 -
auc_113: 0.5004 - val_loss: 14.2150 - val_auc_113: 0.5012
Epoch 477/700
267/267 [=====] - 1s 3ms/step - loss: 18.3841 -
auc_113: 0.5013 - val_loss: 17.6098 - val_auc_113: 0.4958
Epoch 478/700
267/267 [=====] - 1s 3ms/step - loss: 19.7472 -
auc_113: 0.5038 - val_loss: 6.4145 - val_auc_113: 0.4936
Epoch 479/700
267/267 [=====] - 1s 3ms/step - loss: 17.7086 -
auc_113: 0.5059 - val_loss: 11.5206 - val_auc_113: 0.5034
Epoch 480/700
267/267 [=====] - 1s 3ms/step - loss: 22.3498 -
auc_113: 0.5028 - val_loss: 13.7004 - val_auc_113: 0.4974
Epoch 481/700
267/267 [=====] - 1s 3ms/step - loss: 17.9076 -
auc_113: 0.5039 - val_loss: 20.0327 - val_auc_113: 0.5067
Epoch 482/700
267/267 [=====] - 1s 3ms/step - loss: 20.8532 -
auc_113: 0.5068 - val_loss: 7.5528 - val_auc_113: 0.4967
Epoch 483/700
267/267 [=====] - 1s 3ms/step - loss: 21.7607 -
auc_113: 0.4999 - val_loss: 24.7176 - val_auc_113: 0.5128
Epoch 484/700
267/267 [=====] - 1s 3ms/step - loss: 19.2545 -
auc_113: 0.5030 - val_loss: 24.8099 - val_auc_113: 0.4983
Epoch 485/700
267/267 [=====] - 1s 3ms/step - loss: 21.7217 -
auc_113: 0.5030 - val_loss: 21.8342 - val_auc_113: 0.5059
Epoch 486/700
267/267 [=====] - 1s 3ms/step - loss: 18.8602 -
auc_113: 0.5021 - val_loss: 28.1677 - val_auc_113: 0.4966
Epoch 487/700
267/267 [=====] - 1s 3ms/step - loss: 18.3978 -
auc_113: 0.5046 - val_loss: 41.5997 - val_auc_113: 0.5029
Epoch 488/700
267/267 [=====] - 1s 3ms/step - loss: 24.4862 -
auc_113: 0.5039 - val_loss: 16.3451 - val_auc_113: 0.5020
Epoch 489/700
267/267 [=====] - 1s 3ms/step - loss: 20.0642 -
auc_113: 0.5014 - val_loss: 46.8639 - val_auc_113: 0.5087
Epoch 490/700
267/267 [=====] - 1s 3ms/step - loss: 20.5285 -
auc_113: 0.5024 - val_loss: 18.4711 - val_auc_113: 0.4965
Epoch 491/700

267/267 [=====] - 1s 3ms/step - loss: 18.4978 -
auc_113: 0.5053 - val_loss: 11.9403 - val_auc_113: 0.4950
Epoch 492/700
267/267 [=====] - 1s 3ms/step - loss: 21.1665 -
auc_113: 0.5066 - val_loss: 28.1117 - val_auc_113: 0.5139
Epoch 493/700
267/267 [=====] - 1s 3ms/step - loss: 20.8923 -
auc_113: 0.5030 - val_loss: 13.0418 - val_auc_113: 0.5047
Epoch 494/700
267/267 [=====] - 1s 3ms/step - loss: 19.1517 -
auc_113: 0.5056 - val_loss: 11.8905 - val_auc_113: 0.5000
Epoch 495/700
267/267 [=====] - 1s 3ms/step - loss: 17.8375 -
auc_113: 0.5056 - val_loss: 8.9849 - val_auc_113: 0.5098
Epoch 496/700
267/267 [=====] - 1s 3ms/step - loss: 25.5247 -
auc_113: 0.5049 - val_loss: 9.3268 - val_auc_113: 0.5136
Epoch 497/700
267/267 [=====] - 1s 3ms/step - loss: 18.2808 -
auc_113: 0.5019 - val_loss: 18.6597 - val_auc_113: 0.5063
Epoch 498/700
267/267 [=====] - 1s 3ms/step - loss: 20.0422 -
auc_113: 0.5019 - val_loss: 21.0386 - val_auc_113: 0.5033
Epoch 499/700
267/267 [=====] - 1s 3ms/step - loss: 16.0296 -
auc_113: 0.5014 - val_loss: 16.4110 - val_auc_113: 0.4864
Epoch 500/700
267/267 [=====] - 1s 3ms/step - loss: 19.9053 -
auc_113: 0.5033 - val_loss: 17.7272 - val_auc_113: 0.5069
Epoch 501/700
267/267 [=====] - 1s 3ms/step - loss: 18.3967 -
auc_113: 0.5033 - val_loss: 23.9077 - val_auc_113: 0.4998
Epoch 502/700
267/267 [=====] - 1s 3ms/step - loss: 21.6465 -
auc_113: 0.5058 - val_loss: 27.5353 - val_auc_113: 0.5085
Epoch 503/700
267/267 [=====] - 1s 3ms/step - loss: 17.5726 -
auc_113: 0.5029 - val_loss: 9.0349 - val_auc_113: 0.4989
Epoch 504/700
267/267 [=====] - 1s 3ms/step - loss: 16.8848 -
auc_113: 0.5021 - val_loss: 25.0599 - val_auc_113: 0.5012
Epoch 505/700
267/267 [=====] - 1s 3ms/step - loss: 24.7866 -
auc_113: 0.5059 - val_loss: 36.5581 - val_auc_113: 0.5103
Epoch 506/700
267/267 [=====] - 1s 3ms/step - loss: 20.0433 -
auc_113: 0.5010 - val_loss: 15.8133 - val_auc_113: 0.5034
Epoch 507/700

267/267 [=====] - 1s 3ms/step - loss: 19.3020 -
auc_113: 0.5047 - val_loss: 12.7848 - val_auc_113: 0.5094
Epoch 508/700
267/267 [=====] - 1s 3ms/step - loss: 19.3810 -
auc_113: 0.4969 - val_loss: 24.6894 - val_auc_113: 0.4932
Epoch 509/700
267/267 [=====] - 1s 3ms/step - loss: 23.2167 -
auc_113: 0.5044 - val_loss: 30.7932 - val_auc_113: 0.5031
Epoch 510/700
267/267 [=====] - 1s 3ms/step - loss: 26.8739 -
auc_113: 0.5017 - val_loss: 19.1663 - val_auc_113: 0.5047
Epoch 511/700
267/267 [=====] - 1s 3ms/step - loss: 20.0101 -
auc_113: 0.5011 - val_loss: 13.1606 - val_auc_113: 0.5024
Epoch 512/700
267/267 [=====] - 1s 3ms/step - loss: 18.8183 -
auc_113: 0.5042 - val_loss: 14.7684 - val_auc_113: 0.5109
Epoch 513/700
267/267 [=====] - 1s 3ms/step - loss: 20.4406 -
auc_113: 0.5041 - val_loss: 19.7094 - val_auc_113: 0.5055
Epoch 514/700
267/267 [=====] - 1s 3ms/step - loss: 15.7980 -
auc_113: 0.5054 - val_loss: 4.2298 - val_auc_113: 0.4963
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 17.1084 -
auc_113: 0.5042 - val_loss: 19.1131 - val_auc_113: 0.4937
Epoch 516/700
267/267 [=====] - 1s 3ms/step - loss: 25.4542 -
auc_113: 0.5019 - val_loss: 29.1732 - val_auc_113: 0.5071
Epoch 517/700
267/267 [=====] - 1s 3ms/step - loss: 15.7004 -
auc_113: 0.5020 - val_loss: 5.7331 - val_auc_113: 0.5128
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 21.8560 -
auc_113: 0.5036 - val_loss: 14.5033 - val_auc_113: 0.5048
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 15.1128 -
auc_113: 0.5040 - val_loss: 15.5866 - val_auc_113: 0.4970
Epoch 520/700
267/267 [=====] - 1s 3ms/step - loss: 21.4364 -
auc_113: 0.5014 - val_loss: 23.8022 - val_auc_113: 0.5122
Epoch 521/700
267/267 [=====] - 1s 3ms/step - loss: 23.3853 -
auc_113: 0.5029 - val_loss: 15.9183 - val_auc_113: 0.4932
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 17.7079 -
auc_113: 0.4974 - val_loss: 8.4157 - val_auc_113: 0.5005
Epoch 523/700

267/267 [=====] - 1s 3ms/step - loss: 18.8684 -
 auc_113: 0.5035 - val_loss: 24.1471 - val_auc_113: 0.5069
 Epoch 524/700
 267/267 [=====] - 1s 3ms/step - loss: 20.1105 -
 auc_113: 0.5001 - val_loss: 8.8144 - val_auc_113: 0.5151
 Epoch 525/700
 267/267 [=====] - 1s 3ms/step - loss: 20.6804 -
 auc_113: 0.5044 - val_loss: 23.0866 - val_auc_113: 0.5103
 Epoch 526/700
 267/267 [=====] - 1s 3ms/step - loss: 21.1551 -
 auc_113: 0.5064 - val_loss: 30.5982 - val_auc_113: 0.5026
 Epoch 527/700
 267/267 [=====] - 1s 3ms/step - loss: 20.1933 -
 auc_113: 0.5042 - val_loss: 15.9244 - val_auc_113: 0.4993
 Epoch 528/700
 267/267 [=====] - 1s 3ms/step - loss: 16.0945 -
 auc_113: 0.5018 - val_loss: 17.0090 - val_auc_113: 0.5053
 Epoch 529/700
 267/267 [=====] - 1s 3ms/step - loss: 18.4159 -
 auc_113: 0.5055 - val_loss: 9.8757 - val_auc_113: 0.4961
 Epoch 530/700
 267/267 [=====] - 1s 3ms/step - loss: 21.0703 -
 auc_113: 0.5015 - val_loss: 13.7267 - val_auc_113: 0.5037
 Epoch 531/700
 267/267 [=====] - 1s 3ms/step - loss: 17.1535 -
 auc_113: 0.5033 - val_loss: 6.8584 - val_auc_113: 0.5031
 Epoch 532/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3727 -
 auc_113: 0.5026 - val_loss: 30.2299 - val_auc_113: 0.5096
 Epoch 533/700
 267/267 [=====] - 1s 3ms/step - loss: 22.9945 -
 auc_113: 0.5047 - val_loss: 14.0009 - val_auc_113: 0.4981
 Epoch 534/700
 267/267 [=====] - 1s 3ms/step - loss: 24.1373 -
 auc_113: 0.5006 - val_loss: 28.3595 - val_auc_113: 0.4935
 Epoch 535/700
 267/267 [=====] - 1s 3ms/step - loss: 21.4903 -
 auc_113: 0.5020 - val_loss: 25.7557 - val_auc_113: 0.4976
 Epoch 536/700
 267/267 [=====] - 1s 3ms/step - loss: 19.4749 -
 auc_113: 0.5027 - val_loss: 14.1622 - val_auc_113: 0.5030
 Epoch 537/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1253 -
 auc_113: 0.5044 - val_loss: 20.4269 - val_auc_113: 0.5076
 Epoch 538/700
 267/267 [=====] - 1s 3ms/step - loss: 18.4270 -
 auc_113: 0.5019 - val_loss: 12.7392 - val_auc_113: 0.4927
 Epoch 539/700

267/267 [=====] - 1s 3ms/step - loss: 23.5744 -
 auc_113: 0.5050 - val_loss: 16.9946 - val_auc_113: 0.4876
 Epoch 540/700
 267/267 [=====] - 1s 3ms/step - loss: 19.8328 -
 auc_113: 0.5032 - val_loss: 26.1334 - val_auc_113: 0.5094
 Epoch 541/700
 267/267 [=====] - 1s 3ms/step - loss: 16.2476 -
 auc_113: 0.5067 - val_loss: 20.8576 - val_auc_113: 0.5056
 Epoch 542/700
 267/267 [=====] - 1s 3ms/step - loss: 18.0370 -
 auc_113: 0.5039 - val_loss: 21.7306 - val_auc_113: 0.5012
 Epoch 543/700
 267/267 [=====] - 1s 3ms/step - loss: 21.2817 -
 auc_113: 0.5018 - val_loss: 27.8680 - val_auc_113: 0.4886
 Epoch 544/700
 267/267 [=====] - 1s 3ms/step - loss: 18.3330 -
 auc_113: 0.5036 - val_loss: 4.2821 - val_auc_113: 0.4895
 Epoch 545/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3601 -
 auc_113: 0.5016 - val_loss: 11.4767 - val_auc_113: 0.5098
 Epoch 546/700
 267/267 [=====] - 1s 3ms/step - loss: 19.8503 -
 auc_113: 0.5012 - val_loss: 28.1274 - val_auc_113: 0.5146
 Epoch 547/700
 267/267 [=====] - 1s 3ms/step - loss: 23.2627 -
 auc_113: 0.5051 - val_loss: 13.8217 - val_auc_113: 0.5129
 Epoch 548/700
 267/267 [=====] - 1s 3ms/step - loss: 20.9237 -
 auc_113: 0.5058 - val_loss: 24.0738 - val_auc_113: 0.5026
 Epoch 549/700
 267/267 [=====] - 1s 3ms/step - loss: 19.4535 -
 auc_113: 0.5043 - val_loss: 22.5958 - val_auc_113: 0.4987
 Epoch 550/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0256 -
 auc_113: 0.5037 - val_loss: 19.2904 - val_auc_113: 0.5136
 Epoch 551/700
 267/267 [=====] - 1s 3ms/step - loss: 18.4707 -
 auc_113: 0.5037 - val_loss: 26.4956 - val_auc_113: 0.5059
 Epoch 552/700
 267/267 [=====] - 1s 3ms/step - loss: 21.3398 -
 auc_113: 0.4995 - val_loss: 16.5592 - val_auc_113: 0.4899
 Epoch 553/700
 267/267 [=====] - 1s 3ms/step - loss: 24.0882 -
 auc_113: 0.5030 - val_loss: 14.2724 - val_auc_113: 0.5010
 Epoch 554/700
 267/267 [=====] - 1s 3ms/step - loss: 18.3192 -
 auc_113: 0.5026 - val_loss: 7.5534 - val_auc_113: 0.4932
 Epoch 555/700

267/267 [=====] - 1s 3ms/step - loss: 20.0239 -
auc_113: 0.5034 - val_loss: 19.4306 - val_auc_113: 0.5028
Epoch 556/700
267/267 [=====] - 1s 3ms/step - loss: 20.1975 -
auc_113: 0.5009 - val_loss: 13.1461 - val_auc_113: 0.5116
Epoch 557/700
267/267 [=====] - 1s 3ms/step - loss: 18.2668 -
auc_113: 0.4995 - val_loss: 10.8246 - val_auc_113: 0.5075
Epoch 558/700
267/267 [=====] - 1s 3ms/step - loss: 17.4578 -
auc_113: 0.5040 - val_loss: 16.9054 - val_auc_113: 0.5081
Epoch 559/700
267/267 [=====] - 1s 3ms/step - loss: 23.0298 -
auc_113: 0.5008 - val_loss: 13.7792 - val_auc_113: 0.5013
Epoch 560/700
267/267 [=====] - 1s 3ms/step - loss: 23.3976 -
auc_113: 0.5025 - val_loss: 6.9135 - val_auc_113: 0.5178
Epoch 561/700
267/267 [=====] - 1s 3ms/step - loss: 17.3255 -
auc_113: 0.5056 - val_loss: 28.7665 - val_auc_113: 0.5071
Epoch 562/700
267/267 [=====] - 1s 3ms/step - loss: 21.7737 -
auc_113: 0.5012 - val_loss: 16.9393 - val_auc_113: 0.5056
Epoch 563/700
267/267 [=====] - 1s 3ms/step - loss: 20.8651 -
auc_113: 0.5001 - val_loss: 36.2759 - val_auc_113: 0.5125
Epoch 564/700
267/267 [=====] - 1s 3ms/step - loss: 19.8290 -
auc_113: 0.5022 - val_loss: 16.8187 - val_auc_113: 0.5003
Epoch 565/700
267/267 [=====] - 1s 3ms/step - loss: 19.0447 -
auc_113: 0.5037 - val_loss: 21.3716 - val_auc_113: 0.5139
Epoch 566/700
267/267 [=====] - 1s 3ms/step - loss: 24.2607 -
auc_113: 0.5025 - val_loss: 12.2115 - val_auc_113: 0.4962
Epoch 567/700
267/267 [=====] - 1s 3ms/step - loss: 21.5878 -
auc_113: 0.5021 - val_loss: 20.2342 - val_auc_113: 0.5129
Epoch 568/700
267/267 [=====] - 1s 3ms/step - loss: 19.4260 -
auc_113: 0.5021 - val_loss: 19.8125 - val_auc_113: 0.5037
Epoch 569/700
267/267 [=====] - 1s 3ms/step - loss: 24.0083 -
auc_113: 0.4997 - val_loss: 14.8853 - val_auc_113: 0.4907
Epoch 570/700
267/267 [=====] - 1s 3ms/step - loss: 17.8231 -
auc_113: 0.5060 - val_loss: 28.7925 - val_auc_113: 0.5088
Epoch 571/700

267/267 [=====] - 1s 3ms/step - loss: 18.8201 -
auc_113: 0.5013 - val_loss: 23.3614 - val_auc_113: 0.5055
Epoch 572/700
267/267 [=====] - 1s 3ms/step - loss: 20.5054 -
auc_113: 0.5012 - val_loss: 25.7392 - val_auc_113: 0.5084
Epoch 573/700
267/267 [=====] - 1s 3ms/step - loss: 19.9134 -
auc_113: 0.5035 - val_loss: 14.0532 - val_auc_113: 0.4913
Epoch 574/700
267/267 [=====] - 1s 3ms/step - loss: 18.6583 -
auc_113: 0.5017 - val_loss: 14.8748 - val_auc_113: 0.4985
Epoch 575/700
267/267 [=====] - 1s 3ms/step - loss: 21.9604 -
auc_113: 0.5017 - val_loss: 22.0317 - val_auc_113: 0.4961
Epoch 576/700
267/267 [=====] - 1s 3ms/step - loss: 21.0528 -
auc_113: 0.4996 - val_loss: 13.6584 - val_auc_113: 0.4995
Epoch 577/700
267/267 [=====] - 1s 3ms/step - loss: 16.4296 -
auc_113: 0.5027 - val_loss: 15.5050 - val_auc_113: 0.4958
Epoch 578/700
267/267 [=====] - 1s 3ms/step - loss: 23.4691 -
auc_113: 0.5016 - val_loss: 30.3219 - val_auc_113: 0.5074
Epoch 579/700
267/267 [=====] - 1s 3ms/step - loss: 18.6181 -
auc_113: 0.5029 - val_loss: 33.6629 - val_auc_113: 0.5046
Epoch 580/700
267/267 [=====] - 1s 3ms/step - loss: 18.0194 -
auc_113: 0.5037 - val_loss: 12.7812 - val_auc_113: 0.5184
Epoch 581/700
267/267 [=====] - 1s 3ms/step - loss: 21.9082 -
auc_113: 0.5013 - val_loss: 29.1917 - val_auc_113: 0.4998
Epoch 582/700
267/267 [=====] - 1s 3ms/step - loss: 15.9974 -
auc_113: 0.5034 - val_loss: 14.3962 - val_auc_113: 0.5069
Epoch 583/700
267/267 [=====] - 1s 3ms/step - loss: 20.4120 -
auc_113: 0.5016 - val_loss: 26.2856 - val_auc_113: 0.4982
Epoch 584/700
267/267 [=====] - 1s 3ms/step - loss: 20.4179 -
auc_113: 0.4995 - val_loss: 5.9451 - val_auc_113: 0.5017
Epoch 585/700
267/267 [=====] - 1s 3ms/step - loss: 19.0120 -
auc_113: 0.5047 - val_loss: 18.1957 - val_auc_113: 0.4928
Epoch 586/700
267/267 [=====] - 1s 3ms/step - loss: 19.7907 -
auc_113: 0.4994 - val_loss: 11.5642 - val_auc_113: 0.5063
Epoch 587/700

267/267 [=====] - 1s 3ms/step - loss: 18.9849 -
 auc_113: 0.5012 - val_loss: 30.4688 - val_auc_113: 0.5112
 Epoch 588/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8492 -
 auc_113: 0.5039 - val_loss: 42.9581 - val_auc_113: 0.5110
 Epoch 589/700
 267/267 [=====] - 1s 3ms/step - loss: 16.6955 -
 auc_113: 0.5005 - val_loss: 21.5202 - val_auc_113: 0.5066
 Epoch 590/700
 267/267 [=====] - 1s 3ms/step - loss: 22.2480 -
 auc_113: 0.5005 - val_loss: 24.7502 - val_auc_113: 0.4918
 Epoch 591/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5132 -
 auc_113: 0.4986 - val_loss: 8.8540 - val_auc_113: 0.4963
 Epoch 592/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8388 -
 auc_113: 0.4999 - val_loss: 6.6103 - val_auc_113: 0.5083
 Epoch 593/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0304 -
 auc_113: 0.5017 - val_loss: 15.1061 - val_auc_113: 0.4994
 Epoch 594/700
 267/267 [=====] - 1s 3ms/step - loss: 17.7095 -
 auc_113: 0.5036 - val_loss: 17.1200 - val_auc_113: 0.5115
 Epoch 595/700
 267/267 [=====] - 1s 3ms/step - loss: 21.4970 -
 auc_113: 0.5060 - val_loss: 12.9852 - val_auc_113: 0.5096
 Epoch 596/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3573 -
 auc_113: 0.4999 - val_loss: 13.9211 - val_auc_113: 0.5015
 Epoch 597/700
 267/267 [=====] - 1s 3ms/step - loss: 18.6815 -
 auc_113: 0.5039 - val_loss: 32.8542 - val_auc_113: 0.5042
 Epoch 598/700
 267/267 [=====] - 1s 3ms/step - loss: 17.1920 -
 auc_113: 0.5043 - val_loss: 16.9455 - val_auc_113: 0.5082
 Epoch 599/700
 267/267 [=====] - 1s 3ms/step - loss: 21.3436 -
 auc_113: 0.5030 - val_loss: 15.4713 - val_auc_113: 0.5060
 Epoch 600/700
 267/267 [=====] - 1s 3ms/step - loss: 16.7086 -
 auc_113: 0.5013 - val_loss: 18.1408 - val_auc_113: 0.5129
 Epoch 601/700
 267/267 [=====] - 1s 3ms/step - loss: 20.8323 -
 auc_113: 0.5056 - val_loss: 18.5840 - val_auc_113: 0.5041
 Epoch 602/700
 267/267 [=====] - 1s 3ms/step - loss: 20.5606 -
 auc_113: 0.5082 - val_loss: 9.9918 - val_auc_113: 0.5018
 Epoch 603/700

267/267 [=====] - 1s 3ms/step - loss: 22.8546 -
 auc_113: 0.5024 - val_loss: 17.5744 - val_auc_113: 0.5077
 Epoch 604/700
 267/267 [=====] - 1s 3ms/step - loss: 20.0143 -
 auc_113: 0.5048 - val_loss: 20.6799 - val_auc_113: 0.5063
 Epoch 605/700
 267/267 [=====] - 1s 3ms/step - loss: 19.7782 -
 auc_113: 0.4996 - val_loss: 35.5928 - val_auc_113: 0.5048
 Epoch 606/700
 267/267 [=====] - 1s 3ms/step - loss: 18.6428 -
 auc_113: 0.5024 - val_loss: 7.3383 - val_auc_113: 0.5063
 Epoch 607/700
 267/267 [=====] - 1s 3ms/step - loss: 20.1329 -
 auc_113: 0.5058 - val_loss: 34.2607 - val_auc_113: 0.5135
 Epoch 608/700
 267/267 [=====] - 1s 3ms/step - loss: 20.7826 -
 auc_113: 0.5035 - val_loss: 15.6656 - val_auc_113: 0.5041
 Epoch 609/700
 267/267 [=====] - 1s 3ms/step - loss: 17.3422 -
 auc_113: 0.5015 - val_loss: 9.3573 - val_auc_113: 0.5029
 Epoch 610/700
 267/267 [=====] - 1s 3ms/step - loss: 18.6095 -
 auc_113: 0.5042 - val_loss: 33.6605 - val_auc_113: 0.4980
 Epoch 611/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6407 -
 auc_113: 0.5046 - val_loss: 9.4311 - val_auc_113: 0.5030
 Epoch 612/700
 267/267 [=====] - 1s 3ms/step - loss: 16.4117 -
 auc_113: 0.5026 - val_loss: 9.6300 - val_auc_113: 0.5112
 Epoch 613/700
 267/267 [=====] - 1s 3ms/step - loss: 16.9277 -
 auc_113: 0.5037 - val_loss: 34.3530 - val_auc_113: 0.4969
 Epoch 614/700
 267/267 [=====] - 1s 3ms/step - loss: 26.3851 -
 auc_113: 0.5034 - val_loss: 11.1406 - val_auc_113: 0.5005
 Epoch 615/700
 267/267 [=====] - 1s 3ms/step - loss: 22.7596 -
 auc_113: 0.5002 - val_loss: 9.1068 - val_auc_113: 0.5085
 Epoch 616/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5577 -
 auc_113: 0.5034 - val_loss: 19.5054 - val_auc_113: 0.5129
 Epoch 617/700
 267/267 [=====] - 1s 3ms/step - loss: 19.7405 -
 auc_113: 0.5046 - val_loss: 20.5516 - val_auc_113: 0.5062
 Epoch 618/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2390 -
 auc_113: 0.5047 - val_loss: 32.2555 - val_auc_113: 0.5030
 Epoch 619/700

267/267 [=====] - 1s 3ms/step - loss: 19.8338 -
auc_113: 0.5034 - val_loss: 11.9877 - val_auc_113: 0.5029
Epoch 620/700
267/267 [=====] - 1s 3ms/step - loss: 23.5755 -
auc_113: 0.5010 - val_loss: 10.4461 - val_auc_113: 0.4916
Epoch 621/700
267/267 [=====] - 1s 3ms/step - loss: 17.9403 -
auc_113: 0.4988 - val_loss: 31.6113 - val_auc_113: 0.4971
Epoch 622/700
267/267 [=====] - 1s 3ms/step - loss: 19.2572 -
auc_113: 0.5016 - val_loss: 42.8788 - val_auc_113: 0.5087
Epoch 623/700
267/267 [=====] - 1s 3ms/step - loss: 21.9146 -
auc_113: 0.5031 - val_loss: 10.3514 - val_auc_113: 0.5075
Epoch 624/700
267/267 [=====] - 1s 3ms/step - loss: 19.8050 -
auc_113: 0.5017 - val_loss: 10.9529 - val_auc_113: 0.4991
Epoch 625/700
267/267 [=====] - 1s 3ms/step - loss: 20.2928 -
auc_113: 0.5023 - val_loss: 20.9475 - val_auc_113: 0.4884
Epoch 626/700
267/267 [=====] - 1s 3ms/step - loss: 19.3473 -
auc_113: 0.5007 - val_loss: 9.2970 - val_auc_113: 0.5076
Epoch 627/700
267/267 [=====] - 1s 3ms/step - loss: 17.2780 -
auc_113: 0.5042 - val_loss: 13.3707 - val_auc_113: 0.5042
Epoch 628/700
267/267 [=====] - 1s 3ms/step - loss: 18.1280 -
auc_113: 0.5013 - val_loss: 38.9159 - val_auc_113: 0.4971
Epoch 629/700
267/267 [=====] - 1s 3ms/step - loss: 19.9160 -
auc_113: 0.4986 - val_loss: 29.3859 - val_auc_113: 0.5084
Epoch 630/700
267/267 [=====] - 1s 3ms/step - loss: 20.1457 -
auc_113: 0.5032 - val_loss: 45.7334 - val_auc_113: 0.5079
Epoch 631/700
267/267 [=====] - 1s 3ms/step - loss: 23.0003 -
auc_113: 0.5052 - val_loss: 12.8208 - val_auc_113: 0.4880
Epoch 632/700
267/267 [=====] - 1s 3ms/step - loss: 19.0805 -
auc_113: 0.5003 - val_loss: 21.4756 - val_auc_113: 0.4933
Epoch 633/700
267/267 [=====] - 1s 3ms/step - loss: 19.5366 -
auc_113: 0.5017 - val_loss: 25.4897 - val_auc_113: 0.4925
Epoch 634/700
267/267 [=====] - 1s 3ms/step - loss: 20.0881 -
auc_113: 0.5026 - val_loss: 10.4197 - val_auc_113: 0.5112
Epoch 635/700

267/267 [=====] - 1s 3ms/step - loss: 19.1699 -
auc_113: 0.4998 - val_loss: 12.2400 - val_auc_113: 0.5084
Epoch 636/700
267/267 [=====] - 1s 3ms/step - loss: 20.1749 -
auc_113: 0.5031 - val_loss: 13.7658 - val_auc_113: 0.4895
Epoch 637/700
267/267 [=====] - 1s 3ms/step - loss: 21.9287 -
auc_113: 0.5019 - val_loss: 7.6315 - val_auc_113: 0.4856
Epoch 638/700
267/267 [=====] - 1s 3ms/step - loss: 19.2059 -
auc_113: 0.5043 - val_loss: 3.9308 - val_auc_113: 0.4955
Epoch 639/700
267/267 [=====] - 1s 3ms/step - loss: 20.3873 -
auc_113: 0.5039 - val_loss: 16.5484 - val_auc_113: 0.5156
Epoch 640/700
267/267 [=====] - 1s 3ms/step - loss: 22.9806 -
auc_113: 0.5018 - val_loss: 14.3621 - val_auc_113: 0.5042
Epoch 641/700
267/267 [=====] - 1s 3ms/step - loss: 17.5857 -
auc_113: 0.5049 - val_loss: 19.7522 - val_auc_113: 0.5136
Epoch 642/700
267/267 [=====] - 1s 3ms/step - loss: 19.2930 -
auc_113: 0.5043 - val_loss: 22.0262 - val_auc_113: 0.5126
Epoch 643/700
267/267 [=====] - 1s 3ms/step - loss: 22.1961 -
auc_113: 0.5013 - val_loss: 16.9488 - val_auc_113: 0.4953
Epoch 644/700
267/267 [=====] - 1s 3ms/step - loss: 18.2123 -
auc_113: 0.5028 - val_loss: 24.7544 - val_auc_113: 0.5106
Epoch 645/700
267/267 [=====] - 1s 3ms/step - loss: 18.7555 -
auc_113: 0.5074 - val_loss: 13.7481 - val_auc_113: 0.5116
Epoch 646/700
267/267 [=====] - 1s 3ms/step - loss: 18.1151 -
auc_113: 0.5053 - val_loss: 15.6390 - val_auc_113: 0.5000
Epoch 647/700
267/267 [=====] - 1s 3ms/step - loss: 19.6142 -
auc_113: 0.4996 - val_loss: 7.9841 - val_auc_113: 0.5028
Epoch 648/700
267/267 [=====] - 1s 3ms/step - loss: 22.3218 -
auc_113: 0.5003 - val_loss: 7.2091 - val_auc_113: 0.4901
Epoch 649/700
267/267 [=====] - 1s 3ms/step - loss: 22.3694 -
auc_113: 0.5012 - val_loss: 31.9291 - val_auc_113: 0.4933
Epoch 650/700
267/267 [=====] - 1s 3ms/step - loss: 20.1985 -
auc_113: 0.5041 - val_loss: 24.8445 - val_auc_113: 0.5105
Epoch 651/700

267/267 [=====] - 1s 3ms/step - loss: 19.4898 -
auc_113: 0.5032 - val_loss: 6.6783 - val_auc_113: 0.4953
Epoch 652/700
267/267 [=====] - 1s 4ms/step - loss: 21.2498 -
auc_113: 0.5028 - val_loss: 18.3679 - val_auc_113: 0.4980
Epoch 653/700
267/267 [=====] - 1s 3ms/step - loss: 17.3721 -
auc_113: 0.5008 - val_loss: 11.6163 - val_auc_113: 0.5094
Epoch 654/700
267/267 [=====] - 1s 3ms/step - loss: 19.1266 -
auc_113: 0.5046 - val_loss: 19.8065 - val_auc_113: 0.5103
Epoch 655/700
267/267 [=====] - 1s 3ms/step - loss: 20.9023 -
auc_113: 0.5038 - val_loss: 22.8567 - val_auc_113: 0.4944
Epoch 656/700
267/267 [=====] - 1s 3ms/step - loss: 20.0390 -
auc_113: 0.5014 - val_loss: 37.8954 - val_auc_113: 0.4991
Epoch 657/700
267/267 [=====] - 1s 3ms/step - loss: 19.0629 -
auc_113: 0.5040 - val_loss: 26.4723 - val_auc_113: 0.4994
Epoch 658/700
267/267 [=====] - 1s 3ms/step - loss: 22.6545 -
auc_113: 0.5019 - val_loss: 23.3617 - val_auc_113: 0.4932
Epoch 659/700
267/267 [=====] - 1s 3ms/step - loss: 17.7757 -
auc_113: 0.5021 - val_loss: 8.8725 - val_auc_113: 0.5136
Epoch 660/700
267/267 [=====] - 1s 3ms/step - loss: 17.2685 -
auc_113: 0.5043 - val_loss: 12.3578 - val_auc_113: 0.5085
Epoch 661/700
267/267 [=====] - 1s 3ms/step - loss: 22.5950 -
auc_113: 0.5062 - val_loss: 10.7595 - val_auc_113: 0.5051
Epoch 662/700
267/267 [=====] - 1s 3ms/step - loss: 20.0935 -
auc_113: 0.5044 - val_loss: 17.8591 - val_auc_113: 0.4883
Epoch 663/700
267/267 [=====] - 1s 3ms/step - loss: 16.8057 -
auc_113: 0.5026 - val_loss: 16.9874 - val_auc_113: 0.5072
Epoch 664/700
267/267 [=====] - 1s 3ms/step - loss: 22.9601 -
auc_113: 0.4995 - val_loss: 17.0986 - val_auc_113: 0.4931
Epoch 665/700
267/267 [=====] - 1s 3ms/step - loss: 21.2033 -
auc_113: 0.5027 - val_loss: 13.2077 - val_auc_113: 0.5094
Epoch 666/700
267/267 [=====] - 1s 3ms/step - loss: 25.1857 -
auc_113: 0.5010 - val_loss: 20.0633 - val_auc_113: 0.4999
Epoch 667/700

267/267 [=====] - 1s 3ms/step - loss: 17.2866 -
auc_113: 0.5038 - val_loss: 12.9733 - val_auc_113: 0.5016
Epoch 668/700
267/267 [=====] - 1s 3ms/step - loss: 25.9257 -
auc_113: 0.5010 - val_loss: 18.1472 - val_auc_113: 0.4982
Epoch 669/700
267/267 [=====] - 1s 3ms/step - loss: 17.8224 -
auc_113: 0.5081 - val_loss: 17.3115 - val_auc_113: 0.4967
Epoch 670/700
267/267 [=====] - 1s 3ms/step - loss: 17.6760 -
auc_113: 0.5045 - val_loss: 12.4091 - val_auc_113: 0.5034
Epoch 671/700
267/267 [=====] - 1s 3ms/step - loss: 20.0864 -
auc_113: 0.5042 - val_loss: 24.2807 - val_auc_113: 0.4985
Epoch 672/700
267/267 [=====] - 1s 3ms/step - loss: 19.9034 -
auc_113: 0.4991 - val_loss: 11.3598 - val_auc_113: 0.5001
Epoch 673/700
267/267 [=====] - 1s 3ms/step - loss: 20.6103 -
auc_113: 0.5034 - val_loss: 11.8706 - val_auc_113: 0.5089
Epoch 674/700
267/267 [=====] - 1s 3ms/step - loss: 19.8299 -
auc_113: 0.5019 - val_loss: 17.9018 - val_auc_113: 0.5086
Epoch 675/700
267/267 [=====] - 1s 3ms/step - loss: 19.8705 -
auc_113: 0.5026 - val_loss: 18.6805 - val_auc_113: 0.5007
Epoch 676/700
267/267 [=====] - 1s 3ms/step - loss: 21.5984 -
auc_113: 0.5013 - val_loss: 16.1110 - val_auc_113: 0.5004
Epoch 677/700
267/267 [=====] - 1s 3ms/step - loss: 14.9983 -
auc_113: 0.5047 - val_loss: 24.0524 - val_auc_113: 0.4934
Epoch 678/700
267/267 [=====] - 1s 3ms/step - loss: 17.6832 -
auc_113: 0.5031 - val_loss: 24.3958 - val_auc_113: 0.5051
Epoch 679/700
267/267 [=====] - 1s 3ms/step - loss: 19.5034 -
auc_113: 0.5049 - val_loss: 18.7862 - val_auc_113: 0.5161
Epoch 680/700
267/267 [=====] - 1s 3ms/step - loss: 19.0700 -
auc_113: 0.5045 - val_loss: 11.3641 - val_auc_113: 0.5091
Epoch 681/700
267/267 [=====] - 1s 3ms/step - loss: 17.0295 -
auc_113: 0.5059 - val_loss: 17.4377 - val_auc_113: 0.4991
Epoch 682/700
267/267 [=====] - 1s 3ms/step - loss: 21.1958 -
auc_113: 0.4992 - val_loss: 26.5920 - val_auc_113: 0.5008
Epoch 683/700

267/267 [=====] - 1s 3ms/step - loss: 17.6487 -
auc_113: 0.5039 - val_loss: 30.9686 - val_auc_113: 0.5136
Epoch 684/700
267/267 [=====] - 1s 3ms/step - loss: 22.1564 -
auc_113: 0.5053 - val_loss: 30.5559 - val_auc_113: 0.5037
Epoch 685/700
267/267 [=====] - 1s 3ms/step - loss: 18.2878 -
auc_113: 0.4997 - val_loss: 23.6796 - val_auc_113: 0.5030
Epoch 686/700
267/267 [=====] - 1s 3ms/step - loss: 21.2217 -
auc_113: 0.5023 - val_loss: 31.5778 - val_auc_113: 0.5109
Epoch 687/700
267/267 [=====] - 1s 3ms/step - loss: 19.5049 -
auc_113: 0.4983 - val_loss: 22.8651 - val_auc_113: 0.4969
Epoch 688/700
267/267 [=====] - 1s 3ms/step - loss: 20.6495 -
auc_113: 0.5042 - val_loss: 37.2705 - val_auc_113: 0.5086
Epoch 689/700
267/267 [=====] - 1s 3ms/step - loss: 17.2479 -
auc_113: 0.5017 - val_loss: 10.4527 - val_auc_113: 0.5111
Epoch 690/700
267/267 [=====] - 1s 3ms/step - loss: 21.9473 -
auc_113: 0.5016 - val_loss: 21.7558 - val_auc_113: 0.5026
Epoch 691/700
267/267 [=====] - 1s 3ms/step - loss: 21.5841 -
auc_113: 0.5022 - val_loss: 7.6348 - val_auc_113: 0.5121
Epoch 692/700
267/267 [=====] - 1s 3ms/step - loss: 17.5854 -
auc_113: 0.5007 - val_loss: 22.7807 - val_auc_113: 0.5032
Epoch 693/700
267/267 [=====] - 1s 3ms/step - loss: 25.0897 -
auc_113: 0.5032 - val_loss: 23.7591 - val_auc_113: 0.4964
Epoch 694/700
267/267 [=====] - 1s 3ms/step - loss: 22.1828 -
auc_113: 0.5007 - val_loss: 16.6481 - val_auc_113: 0.5025
Epoch 695/700
267/267 [=====] - 1s 3ms/step - loss: 19.4671 -
auc_113: 0.5002 - val_loss: 24.0358 - val_auc_113: 0.5132
Epoch 696/700
267/267 [=====] - 1s 3ms/step - loss: 17.3020 -
auc_113: 0.5033 - val_loss: 21.4159 - val_auc_113: 0.5057
Epoch 697/700
267/267 [=====] - 1s 3ms/step - loss: 18.5942 -
auc_113: 0.5037 - val_loss: 15.8157 - val_auc_113: 0.4994
Epoch 698/700
267/267 [=====] - 1s 3ms/step - loss: 16.7297 -
auc_113: 0.5003 - val_loss: 38.7445 - val_auc_113: 0.5097
Epoch 699/700

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267/267 [=====] - 1s 3ms/step - loss: 17.5260 -
auc_113: 0.5050 - val_loss: 15.5380 - val_auc_113: 0.5165
Epoch 700/700
267/267 [=====] - 1s 3ms/step - loss: 18.1519 -
auc_113: 0.5063 - val_loss: 29.1228 - val_auc_113: 0.4998
  1/625 [...] - ETA: 0sWARNING:tensorflow:Callbacks
method `on_predict_batch_end` is slow compared to the batch time (batch time:
0.0000s vs `on_predict_batch_end` time: 0.0010s). Check your callbacks.
625/625 [=====] - 0s 548us/step
[CV] ... epochs=700, learning_rate=0.1, score=0.498, total= 9.1min
[CV] epochs=700, learning_rate=0.1 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 20.0241 -
auc_114: 0.5029 - val_loss: 23.5869 - val_auc_114: 0.5052
Epoch 2/700
267/267 [=====] - 1s 3ms/step - loss: 22.4549 -
auc_114: 0.4985 - val_loss: 29.4461 - val_auc_114: 0.5091
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 21.9399 -
auc_114: 0.5024 - val_loss: 20.6745 - val_auc_114: 0.4857
Epoch 4/700
267/267 [=====] - 1s 3ms/step - loss: 18.5458 -
auc_114: 0.5004 - val_loss: 22.0119 - val_auc_114: 0.5130
Epoch 5/700
267/267 [=====] - 1s 3ms/step - loss: 19.5860 -
auc_114: 0.5030 - val_loss: 37.3809 - val_auc_114: 0.5137
Epoch 6/700
267/267 [=====] - 1s 3ms/step - loss: 17.9723 -
auc_114: 0.5042 - val_loss: 19.3966 - val_auc_114: 0.4987
Epoch 7/700
267/267 [=====] - 1s 3ms/step - loss: 18.6967 -
auc_114: 0.5026 - val_loss: 25.0752 - val_auc_114: 0.5115
Epoch 8/700
267/267 [=====] - 1s 3ms/step - loss: 16.9107 -
auc_114: 0.5000 - val_loss: 26.9815 - val_auc_114: 0.4959
Epoch 9/700
267/267 [=====] - 1s 3ms/step - loss: 18.6752 -
auc_114: 0.4996 - val_loss: 18.2418 - val_auc_114: 0.5139
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 19.6464 -
auc_114: 0.5047 - val_loss: 21.7540 - val_auc_114: 0.4839
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 16.6484 -
auc_114: 0.5023 - val_loss: 27.3419 - val_auc_114: 0.4915
Epoch 12/700
267/267 [=====] - 1s 3ms/step - loss: 20.3031 -
auc_114: 0.5027 - val_loss: 29.6026 - val_auc_114: 0.5061
Epoch 13/700

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267/267 [=====] - 1s 3ms/step - loss: 17.7762 -
auc_114: 0.5031 - val_loss: 20.6676 - val_auc_114: 0.5089
Epoch 14/700
267/267 [=====] - 1s 3ms/step - loss: 19.5860 -
auc_114: 0.4998 - val_loss: 17.5659 - val_auc_114: 0.4999
Epoch 15/700
267/267 [=====] - 1s 3ms/step - loss: 20.8203 -
auc_114: 0.5034 - val_loss: 58.5748 - val_auc_114: 0.5033
Epoch 16/700
267/267 [=====] - 1s 3ms/step - loss: 23.7155 -
auc_114: 0.5054 - val_loss: 38.4868 - val_auc_114: 0.4938
Epoch 17/700
267/267 [=====] - 1s 3ms/step - loss: 18.9375 -
auc_114: 0.5013 - val_loss: 26.8231 - val_auc_114: 0.5053
Epoch 18/700
267/267 [=====] - 1s 3ms/step - loss: 20.7235 -
auc_114: 0.5006 - val_loss: 13.5255 - val_auc_114: 0.4981
Epoch 19/700
267/267 [=====] - 1s 3ms/step - loss: 17.1782 -
auc_114: 0.5001 - val_loss: 12.9100 - val_auc_114: 0.4882
Epoch 20/700
267/267 [=====] - 1s 3ms/step - loss: 20.2871 -
auc_114: 0.4991 - val_loss: 17.8900 - val_auc_114: 0.5175
Epoch 21/700
267/267 [=====] - 1s 3ms/step - loss: 21.8471 -
auc_114: 0.4996 - val_loss: 16.6906 - val_auc_114: 0.4898
Epoch 22/700
267/267 [=====] - 1s 3ms/step - loss: 17.5099 -
auc_114: 0.5023 - val_loss: 27.5320 - val_auc_114: 0.5067
Epoch 23/700
267/267 [=====] - 1s 3ms/step - loss: 19.9552 -
auc_114: 0.5009 - val_loss: 21.5106 - val_auc_114: 0.5007
Epoch 24/700
267/267 [=====] - 1s 3ms/step - loss: 20.7656 -
auc_114: 0.5035 - val_loss: 30.1739 - val_auc_114: 0.5109
Epoch 25/700
267/267 [=====] - 1s 3ms/step - loss: 21.8317 -
auc_114: 0.5026 - val_loss: 26.4911 - val_auc_114: 0.4941
Epoch 26/700
267/267 [=====] - 1s 3ms/step - loss: 20.7400 -
auc_114: 0.5009 - val_loss: 17.6467 - val_auc_114: 0.4999
Epoch 27/700
267/267 [=====] - 1s 3ms/step - loss: 16.8034 -
auc_114: 0.5044 - val_loss: 17.3459 - val_auc_114: 0.4974
Epoch 28/700
267/267 [=====] - 1s 3ms/step - loss: 18.8077 -
auc_114: 0.5022 - val_loss: 32.3449 - val_auc_114: 0.5035
Epoch 29/700

267/267 [=====] - 1s 3ms/step - loss: 16.5558 -
auc_114: 0.5072 - val_loss: 22.7785 - val_auc_114: 0.4945
Epoch 30/700
267/267 [=====] - 1s 3ms/step - loss: 15.3045 -
auc_114: 0.5027 - val_loss: 8.8401 - val_auc_114: 0.4962
Epoch 31/700
267/267 [=====] - 1s 3ms/step - loss: 21.3878 -
auc_114: 0.5030 - val_loss: 36.4068 - val_auc_114: 0.5096
Epoch 32/700
267/267 [=====] - 1s 3ms/step - loss: 17.9356 -
auc_114: 0.5003 - val_loss: 20.9606 - val_auc_114: 0.4899
Epoch 33/700
267/267 [=====] - 1s 3ms/step - loss: 20.0657 -
auc_114: 0.5019 - val_loss: 21.7552 - val_auc_114: 0.5138
Epoch 34/700
267/267 [=====] - 1s 3ms/step - loss: 17.2542 -
auc_114: 0.5046 - val_loss: 36.1946 - val_auc_114: 0.4868
Epoch 35/700
267/267 [=====] - 1s 3ms/step - loss: 20.9601 -
auc_114: 0.4978 - val_loss: 18.4773 - val_auc_114: 0.4976
Epoch 36/700
267/267 [=====] - 1s 3ms/step - loss: 17.8968 -
auc_114: 0.5022 - val_loss: 10.3202 - val_auc_114: 0.4845
Epoch 37/700
267/267 [=====] - 1s 3ms/step - loss: 17.6875 -
auc_114: 0.4977 - val_loss: 17.2079 - val_auc_114: 0.4996
Epoch 38/700
267/267 [=====] - 1s 3ms/step - loss: 20.8753 -
auc_114: 0.5016 - val_loss: 17.6996 - val_auc_114: 0.5041
Epoch 39/700
267/267 [=====] - 1s 3ms/step - loss: 17.6335 -
auc_114: 0.5033 - val_loss: 9.6167 - val_auc_114: 0.5092
Epoch 40/700
267/267 [=====] - 1s 3ms/step - loss: 19.4587 -
auc_114: 0.5013 - val_loss: 12.6346 - val_auc_114: 0.5093
Epoch 41/700
267/267 [=====] - 1s 3ms/step - loss: 18.0538 -
auc_114: 0.4982 - val_loss: 9.6447 - val_auc_114: 0.5059
Epoch 42/700
267/267 [=====] - 1s 3ms/step - loss: 18.2293 -
auc_114: 0.5006 - val_loss: 6.8693 - val_auc_114: 0.5019
Epoch 43/700
267/267 [=====] - 1s 3ms/step - loss: 17.8415 -
auc_114: 0.5005 - val_loss: 26.8775 - val_auc_114: 0.5078
Epoch 44/700
267/267 [=====] - 1s 3ms/step - loss: 20.3262 -
auc_114: 0.5033 - val_loss: 19.6117 - val_auc_114: 0.4987
Epoch 45/700

267/267 [=====] - 1s 3ms/step - loss: 20.4473 -
auc_114: 0.5031 - val_loss: 24.4843 - val_auc_114: 0.5008
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 20.9869 -
auc_114: 0.5015 - val_loss: 25.2600 - val_auc_114: 0.5109
Epoch 47/700
267/267 [=====] - 1s 3ms/step - loss: 24.2473 -
auc_114: 0.5030 - val_loss: 26.0568 - val_auc_114: 0.5157
Epoch 48/700
267/267 [=====] - 1s 3ms/step - loss: 20.6470 -
auc_114: 0.5062 - val_loss: 10.2185 - val_auc_114: 0.5008
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 17.6767 -
auc_114: 0.5029 - val_loss: 17.1119 - val_auc_114: 0.4974
Epoch 50/700
267/267 [=====] - 1s 3ms/step - loss: 20.2402 -
auc_114: 0.5007 - val_loss: 18.7694 - val_auc_114: 0.5053
Epoch 51/700
267/267 [=====] - 1s 3ms/step - loss: 21.2894 -
auc_114: 0.5024 - val_loss: 33.4274 - val_auc_114: 0.5000
Epoch 52/700
267/267 [=====] - 1s 3ms/step - loss: 23.1360 -
auc_114: 0.5063 - val_loss: 24.3828 - val_auc_114: 0.4911
Epoch 53/700
267/267 [=====] - 1s 3ms/step - loss: 20.0198 -
auc_114: 0.5043 - val_loss: 8.2516 - val_auc_114: 0.5132
Epoch 54/700
267/267 [=====] - 1s 3ms/step - loss: 18.7059 -
auc_114: 0.5021 - val_loss: 8.3180 - val_auc_114: 0.5039
Epoch 55/700
267/267 [=====] - 1s 3ms/step - loss: 18.7849 -
auc_114: 0.4997 - val_loss: 46.8459 - val_auc_114: 0.5058
Epoch 56/700
267/267 [=====] - 1s 3ms/step - loss: 19.9455 -
auc_114: 0.5014 - val_loss: 16.1098 - val_auc_114: 0.4934
Epoch 57/700
267/267 [=====] - 1s 3ms/step - loss: 20.5644 -
auc_114: 0.5033 - val_loss: 21.9898 - val_auc_114: 0.4911
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 18.4865 -
auc_114: 0.5018 - val_loss: 23.6046 - val_auc_114: 0.5087
Epoch 59/700
267/267 [=====] - 1s 3ms/step - loss: 18.0811 -
auc_114: 0.5044 - val_loss: 8.7801 - val_auc_114: 0.4900
Epoch 60/700
267/267 [=====] - 1s 3ms/step - loss: 24.9107 -
auc_114: 0.5043 - val_loss: 26.1275 - val_auc_114: 0.5111
Epoch 61/700

267/267 [=====] - 1s 3ms/step - loss: 19.3009 -
auc_114: 0.5024 - val_loss: 7.0934 - val_auc_114: 0.5008
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 21.8066 -
auc_114: 0.5048 - val_loss: 9.3438 - val_auc_114: 0.5093
Epoch 63/700
267/267 [=====] - 1s 3ms/step - loss: 16.9445 -
auc_114: 0.5027 - val_loss: 11.4988 - val_auc_114: 0.5063
Epoch 64/700
267/267 [=====] - 1s 3ms/step - loss: 19.3224 -
auc_114: 0.5100 - val_loss: 27.9334 - val_auc_114: 0.4931
Epoch 65/700
267/267 [=====] - 1s 3ms/step - loss: 18.6451 -
auc_114: 0.5054 - val_loss: 12.4879 - val_auc_114: 0.5068
Epoch 66/700
267/267 [=====] - 1s 3ms/step - loss: 16.4358 -
auc_114: 0.5028 - val_loss: 38.2778 - val_auc_114: 0.5050
Epoch 67/700
267/267 [=====] - 1s 3ms/step - loss: 20.8253 -
auc_114: 0.5007 - val_loss: 22.0627 - val_auc_114: 0.5099
Epoch 68/700
267/267 [=====] - 1s 3ms/step - loss: 19.3295 -
auc_114: 0.4993 - val_loss: 23.2559 - val_auc_114: 0.4894
Epoch 69/700
267/267 [=====] - 1s 3ms/step - loss: 21.3882 -
auc_114: 0.4992 - val_loss: 24.2152 - val_auc_114: 0.5008
Epoch 70/700
267/267 [=====] - 1s 3ms/step - loss: 23.3765 -
auc_114: 0.5023 - val_loss: 9.5575 - val_auc_114: 0.5087
Epoch 71/700
267/267 [=====] - 1s 3ms/step - loss: 17.1377 -
auc_114: 0.5035 - val_loss: 20.1890 - val_auc_114: 0.5044
Epoch 72/700
267/267 [=====] - 1s 3ms/step - loss: 16.6639 -
auc_114: 0.5043 - val_loss: 29.0436 - val_auc_114: 0.5015
Epoch 73/700
267/267 [=====] - 1s 3ms/step - loss: 20.9976 -
auc_114: 0.5004 - val_loss: 8.2353 - val_auc_114: 0.5014
Epoch 74/700
267/267 [=====] - 1s 3ms/step - loss: 21.0750 -
auc_114: 0.5010 - val_loss: 7.6109 - val_auc_114: 0.4924
Epoch 75/700
267/267 [=====] - 1s 3ms/step - loss: 20.0063 -
auc_114: 0.4988 - val_loss: 12.0697 - val_auc_114: 0.4986
Epoch 76/700
267/267 [=====] - 1s 3ms/step - loss: 20.3459 -
auc_114: 0.4999 - val_loss: 13.4526 - val_auc_114: 0.5017
Epoch 77/700

267/267 [=====] - 1s 3ms/step - loss: 19.4549 -
auc_114: 0.5021 - val_loss: 6.8410 - val_auc_114: 0.5104
Epoch 78/700
267/267 [=====] - 1s 3ms/step - loss: 17.6089 -
auc_114: 0.5035 - val_loss: 20.9117 - val_auc_114: 0.4920
Epoch 79/700
267/267 [=====] - 1s 3ms/step - loss: 21.7755 -
auc_114: 0.5029 - val_loss: 9.7832 - val_auc_114: 0.5150
Epoch 80/700
267/267 [=====] - 1s 3ms/step - loss: 22.6748 -
auc_114: 0.5009 - val_loss: 11.9851 - val_auc_114: 0.4903
Epoch 81/700
267/267 [=====] - 1s 3ms/step - loss: 21.8441 -
auc_114: 0.5001 - val_loss: 6.0973 - val_auc_114: 0.5005
Epoch 82/700
267/267 [=====] - 1s 3ms/step - loss: 22.5569 -
auc_114: 0.5043 - val_loss: 30.3895 - val_auc_114: 0.5014
Epoch 83/700
267/267 [=====] - 1s 3ms/step - loss: 21.2332 -
auc_114: 0.5018 - val_loss: 10.0600 - val_auc_114: 0.5026
Epoch 84/700
267/267 [=====] - 1s 3ms/step - loss: 18.3529 -
auc_114: 0.5034 - val_loss: 12.6408 - val_auc_114: 0.5066
Epoch 85/700
267/267 [=====] - 1s 3ms/step - loss: 20.4709 -
auc_114: 0.5030 - val_loss: 11.7696 - val_auc_114: 0.4906
Epoch 86/700
267/267 [=====] - 1s 3ms/step - loss: 17.2568 -
auc_114: 0.5039 - val_loss: 12.7394 - val_auc_114: 0.5078
Epoch 87/700
267/267 [=====] - 1s 3ms/step - loss: 26.0488 -
auc_114: 0.5039 - val_loss: 29.7849 - val_auc_114: 0.5060
Epoch 88/700
267/267 [=====] - 1s 3ms/step - loss: 22.2853 -
auc_114: 0.5023 - val_loss: 48.4041 - val_auc_114: 0.4896
Epoch 89/700
267/267 [=====] - 1s 3ms/step - loss: 17.6835 -
auc_114: 0.5036 - val_loss: 24.8264 - val_auc_114: 0.4918
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 16.6319 -
auc_114: 0.4997 - val_loss: 30.5954 - val_auc_114: 0.4970
Epoch 91/700
267/267 [=====] - 1s 3ms/step - loss: 19.4655 -
auc_114: 0.5039 - val_loss: 10.5683 - val_auc_114: 0.4895
Epoch 92/700
267/267 [=====] - 1s 3ms/step - loss: 16.7533 -
auc_114: 0.5038 - val_loss: 15.7742 - val_auc_114: 0.5104
Epoch 93/700

267/267 [=====] - 1s 3ms/step - loss: 20.1132 -
auc_114: 0.5042 - val_loss: 10.8169 - val_auc_114: 0.5127
Epoch 94/700
267/267 [=====] - 1s 3ms/step - loss: 20.1089 -
auc_114: 0.5021 - val_loss: 14.6322 - val_auc_114: 0.4994
Epoch 95/700
267/267 [=====] - 1s 3ms/step - loss: 17.6246 -
auc_114: 0.5002 - val_loss: 9.5973 - val_auc_114: 0.5033
Epoch 96/700
267/267 [=====] - 1s 3ms/step - loss: 19.2289 -
auc_114: 0.5036 - val_loss: 21.8818 - val_auc_114: 0.5093
Epoch 97/700
267/267 [=====] - 1s 3ms/step - loss: 21.7445 -
auc_114: 0.5019 - val_loss: 9.6123 - val_auc_114: 0.4937
Epoch 98/700
267/267 [=====] - 1s 3ms/step - loss: 19.1510 -
auc_114: 0.5018 - val_loss: 24.0649 - val_auc_114: 0.5083
Epoch 99/700
267/267 [=====] - 1s 3ms/step - loss: 23.7848 -
auc_114: 0.5049 - val_loss: 30.9133 - val_auc_114: 0.4988
Epoch 100/700
267/267 [=====] - 1s 3ms/step - loss: 21.7242 -
auc_114: 0.5030 - val_loss: 24.4362 - val_auc_114: 0.4994
Epoch 101/700
267/267 [=====] - 1s 3ms/step - loss: 24.7846 -
auc_114: 0.4984 - val_loss: 29.4917 - val_auc_114: 0.5021
Epoch 102/700
267/267 [=====] - 1s 3ms/step - loss: 18.4988 -
auc_114: 0.5016 - val_loss: 8.5222 - val_auc_114: 0.5041
Epoch 103/700
267/267 [=====] - 1s 3ms/step - loss: 15.6692 -
auc_114: 0.5006 - val_loss: 13.5740 - val_auc_114: 0.5065
Epoch 104/700
267/267 [=====] - 1s 3ms/step - loss: 19.1464 -
auc_114: 0.4997 - val_loss: 23.0444 - val_auc_114: 0.4976
Epoch 105/700
267/267 [=====] - 1s 3ms/step - loss: 20.1944 -
auc_114: 0.5007 - val_loss: 21.2170 - val_auc_114: 0.5022
Epoch 106/700
267/267 [=====] - 1s 3ms/step - loss: 20.2247 -
auc_114: 0.5027 - val_loss: 19.4754 - val_auc_114: 0.5036
Epoch 107/700
267/267 [=====] - 1s 3ms/step - loss: 20.3474 -
auc_114: 0.5027 - val_loss: 17.6783 - val_auc_114: 0.5018
Epoch 108/700
267/267 [=====] - 1s 3ms/step - loss: 19.4541 -
auc_114: 0.5005 - val_loss: 30.0149 - val_auc_114: 0.4841
Epoch 109/700

267/267 [=====] - 1s 3ms/step - loss: 18.6101 -
auc_114: 0.5015 - val_loss: 15.1081 - val_auc_114: 0.5087
Epoch 110/700
267/267 [=====] - 1s 3ms/step - loss: 13.3978 -
auc_114: 0.5021 - val_loss: 32.2246 - val_auc_114: 0.4915
Epoch 111/700
267/267 [=====] - 1s 3ms/step - loss: 18.0894 -
auc_114: 0.5053 - val_loss: 20.4816 - val_auc_114: 0.5024
Epoch 112/700
267/267 [=====] - 1s 3ms/step - loss: 18.2968 -
auc_114: 0.5016 - val_loss: 16.3526 - val_auc_114: 0.4939
Epoch 113/700
267/267 [=====] - 1s 3ms/step - loss: 22.7495 -
auc_114: 0.5041 - val_loss: 24.7510 - val_auc_114: 0.5051
Epoch 114/700
267/267 [=====] - 1s 3ms/step - loss: 20.9993 -
auc_114: 0.5017 - val_loss: 8.8825 - val_auc_114: 0.4947
Epoch 115/700
267/267 [=====] - 1s 3ms/step - loss: 18.3089 -
auc_114: 0.5049 - val_loss: 28.7825 - val_auc_114: 0.5097
Epoch 116/700
267/267 [=====] - 1s 3ms/step - loss: 18.1006 -
auc_114: 0.5036 - val_loss: 12.1388 - val_auc_114: 0.5111
Epoch 117/700
267/267 [=====] - 1s 3ms/step - loss: 21.4743 -
auc_114: 0.5034 - val_loss: 15.3904 - val_auc_114: 0.5102
Epoch 118/700
267/267 [=====] - 1s 3ms/step - loss: 20.9397 -
auc_114: 0.4991 - val_loss: 9.0644 - val_auc_114: 0.5008
Epoch 119/700
267/267 [=====] - 1s 3ms/step - loss: 17.1783 -
auc_114: 0.5012 - val_loss: 11.0620 - val_auc_114: 0.5035
Epoch 120/700
267/267 [=====] - 1s 3ms/step - loss: 18.6297 -
auc_114: 0.4976 - val_loss: 12.0170 - val_auc_114: 0.5016
Epoch 121/700
267/267 [=====] - 1s 3ms/step - loss: 19.4663 -
auc_114: 0.4980 - val_loss: 20.9755 - val_auc_114: 0.4966
Epoch 122/700
267/267 [=====] - 1s 3ms/step - loss: 26.7531 -
auc_114: 0.5012 - val_loss: 23.1186 - val_auc_114: 0.4927
Epoch 123/700
267/267 [=====] - 1s 3ms/step - loss: 20.3663 -
auc_114: 0.5017 - val_loss: 19.4841 - val_auc_114: 0.5004
Epoch 124/700
267/267 [=====] - 1s 3ms/step - loss: 21.8630 -
auc_114: 0.5035 - val_loss: 31.8305 - val_auc_114: 0.5006
Epoch 125/700

267/267 [=====] - 1s 3ms/step - loss: 18.4103 -
auc_114: 0.5010 - val_loss: 12.9662 - val_auc_114: 0.4931
Epoch 126/700
267/267 [=====] - 1s 3ms/step - loss: 18.9674 -
auc_114: 0.5010 - val_loss: 25.2729 - val_auc_114: 0.4958
Epoch 127/700
267/267 [=====] - 1s 3ms/step - loss: 21.3406 -
auc_114: 0.5068 - val_loss: 12.7242 - val_auc_114: 0.4979
Epoch 128/700
267/267 [=====] - 1s 3ms/step - loss: 21.1505 -
auc_114: 0.5014 - val_loss: 13.2964 - val_auc_114: 0.5031
Epoch 129/700
267/267 [=====] - 1s 3ms/step - loss: 22.2359 -
auc_114: 0.5024 - val_loss: 25.0446 - val_auc_114: 0.5157
Epoch 130/700
267/267 [=====] - 1s 3ms/step - loss: 20.7825 -
auc_114: 0.5030 - val_loss: 9.8188 - val_auc_114: 0.5062
Epoch 131/700
267/267 [=====] - 1s 3ms/step - loss: 18.2780 -
auc_114: 0.5026 - val_loss: 29.4612 - val_auc_114: 0.5007
Epoch 132/700
267/267 [=====] - 1s 3ms/step - loss: 17.0704 -
auc_114: 0.5008 - val_loss: 5.6174 - val_auc_114: 0.5003
Epoch 133/700
267/267 [=====] - 1s 3ms/step - loss: 14.2547 -
auc_114: 0.5017 - val_loss: 21.6004 - val_auc_114: 0.5092
Epoch 134/700
267/267 [=====] - 1s 3ms/step - loss: 19.3433 -
auc_114: 0.5018 - val_loss: 22.4750 - val_auc_114: 0.5069
Epoch 135/700
267/267 [=====] - 1s 3ms/step - loss: 20.2093 -
auc_114: 0.5025 - val_loss: 18.8547 - val_auc_114: 0.5065
Epoch 136/700
267/267 [=====] - 1s 3ms/step - loss: 17.5015 -
auc_114: 0.5024 - val_loss: 18.4919 - val_auc_114: 0.5064
Epoch 137/700
267/267 [=====] - 1s 3ms/step - loss: 19.0110 -
auc_114: 0.4993 - val_loss: 27.3219 - val_auc_114: 0.4983
Epoch 138/700
267/267 [=====] - 1s 3ms/step - loss: 19.5346 -
auc_114: 0.5041 - val_loss: 11.3018 - val_auc_114: 0.5014
Epoch 139/700
267/267 [=====] - 1s 3ms/step - loss: 22.1099 -
auc_114: 0.5017 - val_loss: 23.0615 - val_auc_114: 0.4979
Epoch 140/700
267/267 [=====] - 1s 3ms/step - loss: 18.0125 -
auc_114: 0.5028 - val_loss: 36.1868 - val_auc_114: 0.5013
Epoch 141/700

267/267 [=====] - 1s 3ms/step - loss: 17.0043 -
auc_114: 0.5002 - val_loss: 18.4117 - val_auc_114: 0.5046
Epoch 142/700
267/267 [=====] - 1s 3ms/step - loss: 20.1826 -
auc_114: 0.5009 - val_loss: 15.7072 - val_auc_114: 0.4909
Epoch 143/700
267/267 [=====] - 1s 3ms/step - loss: 17.6729 -
auc_114: 0.5050 - val_loss: 14.5710 - val_auc_114: 0.4982
Epoch 144/700
267/267 [=====] - 1s 3ms/step - loss: 20.1567 -
auc_114: 0.5014 - val_loss: 5.8799 - val_auc_114: 0.4985
Epoch 145/700
267/267 [=====] - 1s 3ms/step - loss: 22.2874 -
auc_114: 0.5030 - val_loss: 31.3665 - val_auc_114: 0.5156
Epoch 146/700
267/267 [=====] - 1s 3ms/step - loss: 20.1397 -
auc_114: 0.4989 - val_loss: 13.1355 - val_auc_114: 0.5100
Epoch 147/700
267/267 [=====] - 1s 3ms/step - loss: 18.5402 -
auc_114: 0.5027 - val_loss: 36.7938 - val_auc_114: 0.4878
Epoch 148/700
267/267 [=====] - 1s 3ms/step - loss: 16.0314 -
auc_114: 0.5001 - val_loss: 26.7014 - val_auc_114: 0.4990
Epoch 149/700
267/267 [=====] - 1s 3ms/step - loss: 17.4810 -
auc_114: 0.5014 - val_loss: 11.7442 - val_auc_114: 0.4970
Epoch 150/700
267/267 [=====] - 1s 3ms/step - loss: 21.5611 -
auc_114: 0.4999 - val_loss: 13.3113 - val_auc_114: 0.5060
Epoch 151/700
267/267 [=====] - 1s 3ms/step - loss: 18.4055 -
auc_114: 0.5048 - val_loss: 32.2511 - val_auc_114: 0.5006
Epoch 152/700
267/267 [=====] - 1s 3ms/step - loss: 16.2940 -
auc_114: 0.5060 - val_loss: 6.6064 - val_auc_114: 0.4971
Epoch 153/700
267/267 [=====] - 1s 3ms/step - loss: 20.2114 -
auc_114: 0.4988 - val_loss: 24.9763 - val_auc_114: 0.5022
Epoch 154/700
267/267 [=====] - 1s 3ms/step - loss: 16.1725 -
auc_114: 0.4999 - val_loss: 9.7652 - val_auc_114: 0.5056
Epoch 155/700
267/267 [=====] - 1s 3ms/step - loss: 24.5727 -
auc_114: 0.5022 - val_loss: 13.5222 - val_auc_114: 0.4972
Epoch 156/700
267/267 [=====] - 1s 3ms/step - loss: 22.2028 -
auc_114: 0.5011 - val_loss: 22.0070 - val_auc_114: 0.5104
Epoch 157/700

267/267 [=====] - 1s 3ms/step - loss: 20.7154 -
auc_114: 0.5018 - val_loss: 49.3205 - val_auc_114: 0.5050
Epoch 158/700
267/267 [=====] - 1s 3ms/step - loss: 18.0070 -
auc_114: 0.5035 - val_loss: 18.4653 - val_auc_114: 0.5040
Epoch 159/700
267/267 [=====] - 1s 3ms/step - loss: 20.2290 -
auc_114: 0.5056 - val_loss: 35.7719 - val_auc_114: 0.4880
Epoch 160/700
267/267 [=====] - 1s 3ms/step - loss: 19.1131 -
auc_114: 0.5031 - val_loss: 20.6436 - val_auc_114: 0.4883
Epoch 161/700
267/267 [=====] - 1s 3ms/step - loss: 20.1078 -
auc_114: 0.5069 - val_loss: 30.3086 - val_auc_114: 0.5080
Epoch 162/700
267/267 [=====] - 1s 3ms/step - loss: 20.1609 -
auc_114: 0.5019 - val_loss: 7.7603 - val_auc_114: 0.5144
Epoch 163/700
267/267 [=====] - 1s 3ms/step - loss: 16.0233 -
auc_114: 0.5031 - val_loss: 27.1026 - val_auc_114: 0.4895
Epoch 164/700
267/267 [=====] - 1s 3ms/step - loss: 17.6137 -
auc_114: 0.5045 - val_loss: 18.8095 - val_auc_114: 0.5088
Epoch 165/700
267/267 [=====] - 1s 3ms/step - loss: 17.5255 -
auc_114: 0.4997 - val_loss: 10.0270 - val_auc_114: 0.4989
Epoch 166/700
267/267 [=====] - 1s 3ms/step - loss: 17.0813 -
auc_114: 0.5063 - val_loss: 17.3054 - val_auc_114: 0.4948
Epoch 167/700
267/267 [=====] - 1s 3ms/step - loss: 16.3882 -
auc_114: 0.5035 - val_loss: 17.2544 - val_auc_114: 0.5090
Epoch 168/700
267/267 [=====] - 1s 3ms/step - loss: 18.4847 -
auc_114: 0.5041 - val_loss: 24.3516 - val_auc_114: 0.5008
Epoch 169/700
267/267 [=====] - 1s 3ms/step - loss: 20.4043 -
auc_114: 0.5021 - val_loss: 23.7139 - val_auc_114: 0.5045
Epoch 170/700
267/267 [=====] - 1s 3ms/step - loss: 19.6236 -
auc_114: 0.5060 - val_loss: 20.3463 - val_auc_114: 0.4874
Epoch 171/700
267/267 [=====] - 1s 3ms/step - loss: 19.5806 -
auc_114: 0.5037 - val_loss: 49.8554 - val_auc_114: 0.4892
Epoch 172/700
267/267 [=====] - 1s 3ms/step - loss: 20.1500 -
auc_114: 0.5032 - val_loss: 21.3871 - val_auc_114: 0.4985
Epoch 173/700

267/267 [=====] - 1s 3ms/step - loss: 19.4397 -
auc_114: 0.5051 - val_loss: 14.7295 - val_auc_114: 0.5020
Epoch 174/700
267/267 [=====] - 1s 3ms/step - loss: 20.9657 -
auc_114: 0.5030 - val_loss: 15.6589 - val_auc_114: 0.5034
Epoch 175/700
267/267 [=====] - 1s 3ms/step - loss: 14.3347 -
auc_114: 0.5023 - val_loss: 21.2813 - val_auc_114: 0.4933
Epoch 176/700
267/267 [=====] - 1s 3ms/step - loss: 17.8102 -
auc_114: 0.5041 - val_loss: 10.6870 - val_auc_114: 0.5058
Epoch 177/700
267/267 [=====] - 1s 3ms/step - loss: 28.2939 -
auc_114: 0.5021 - val_loss: 26.0425 - val_auc_114: 0.5016
Epoch 178/700
267/267 [=====] - 1s 3ms/step - loss: 17.8774 -
auc_114: 0.5017 - val_loss: 17.0043 - val_auc_114: 0.4906
Epoch 179/700
267/267 [=====] - 1s 3ms/step - loss: 18.3098 -
auc_114: 0.5022 - val_loss: 12.7305 - val_auc_114: 0.4987
Epoch 180/700
267/267 [=====] - 1s 3ms/step - loss: 20.9656 -
auc_114: 0.5029 - val_loss: 20.6078 - val_auc_114: 0.5022
Epoch 181/700
267/267 [=====] - 1s 3ms/step - loss: 21.3616 -
auc_114: 0.5068 - val_loss: 13.9762 - val_auc_114: 0.5064
Epoch 182/700
267/267 [=====] - 1s 3ms/step - loss: 19.5484 -
auc_114: 0.5009 - val_loss: 32.0541 - val_auc_114: 0.4966
Epoch 183/700
267/267 [=====] - 1s 3ms/step - loss: 16.9164 -
auc_114: 0.5030 - val_loss: 15.2495 - val_auc_114: 0.5003
Epoch 184/700
267/267 [=====] - 1s 3ms/step - loss: 15.3887 -
auc_114: 0.5036 - val_loss: 21.3373 - val_auc_114: 0.5108
Epoch 185/700
267/267 [=====] - 1s 3ms/step - loss: 20.1570 -
auc_114: 0.4995 - val_loss: 44.4292 - val_auc_114: 0.5144
Epoch 186/700
267/267 [=====] - 1s 3ms/step - loss: 19.8860 -
auc_114: 0.5041 - val_loss: 8.5651 - val_auc_114: 0.4978
Epoch 187/700
267/267 [=====] - 1s 3ms/step - loss: 19.8092 -
auc_114: 0.5031 - val_loss: 17.2686 - val_auc_114: 0.4894
Epoch 188/700
267/267 [=====] - 1s 3ms/step - loss: 18.8462 -
auc_114: 0.5030 - val_loss: 11.3883 - val_auc_114: 0.5010
Epoch 189/700

267/267 [=====] - 1s 3ms/step - loss: 14.8262 -
auc_114: 0.5051 - val_loss: 6.5684 - val_auc_114: 0.5088
Epoch 190/700
267/267 [=====] - 1s 3ms/step - loss: 18.4969 -
auc_114: 0.5051 - val_loss: 17.4576 - val_auc_114: 0.5084
Epoch 191/700
267/267 [=====] - 1s 3ms/step - loss: 21.6081 -
auc_114: 0.5055 - val_loss: 11.1215 - val_auc_114: 0.5056
Epoch 192/700
267/267 [=====] - 1s 3ms/step - loss: 18.3791 -
auc_114: 0.5018 - val_loss: 24.0526 - val_auc_114: 0.5142
Epoch 193/700
267/267 [=====] - 1s 3ms/step - loss: 16.2882 -
auc_114: 0.5032 - val_loss: 20.7123 - val_auc_114: 0.5000
Epoch 194/700
267/267 [=====] - 1s 3ms/step - loss: 25.7462 -
auc_114: 0.5068 - val_loss: 30.7633 - val_auc_114: 0.4994
Epoch 195/700
267/267 [=====] - 1s 3ms/step - loss: 21.0248 -
auc_114: 0.5002 - val_loss: 27.4847 - val_auc_114: 0.4943
Epoch 196/700
267/267 [=====] - 1s 3ms/step - loss: 17.8292 -
auc_114: 0.5025 - val_loss: 19.1702 - val_auc_114: 0.5034
Epoch 197/700
267/267 [=====] - 1s 3ms/step - loss: 20.0942 -
auc_114: 0.5009 - val_loss: 10.0781 - val_auc_114: 0.5117
Epoch 198/700
267/267 [=====] - 1s 3ms/step - loss: 19.4568 -
auc_114: 0.5021 - val_loss: 14.7864 - val_auc_114: 0.5096
Epoch 199/700
267/267 [=====] - 1s 3ms/step - loss: 18.8987 -
auc_114: 0.5014 - val_loss: 25.5599 - val_auc_114: 0.5005
Epoch 200/700
267/267 [=====] - 1s 3ms/step - loss: 16.7795 -
auc_114: 0.5013 - val_loss: 5.1160 - val_auc_114: 0.5088
Epoch 201/700
267/267 [=====] - 1s 3ms/step - loss: 24.5297 -
auc_114: 0.5023 - val_loss: 15.9085 - val_auc_114: 0.5023
Epoch 202/700
267/267 [=====] - 1s 3ms/step - loss: 21.4419 -
auc_114: 0.5028 - val_loss: 16.4136 - val_auc_114: 0.5062
Epoch 203/700
267/267 [=====] - 1s 3ms/step - loss: 16.9058 -
auc_114: 0.5004 - val_loss: 23.3827 - val_auc_114: 0.4994
Epoch 204/700
267/267 [=====] - 1s 3ms/step - loss: 22.5198 -
auc_114: 0.5023 - val_loss: 7.7595 - val_auc_114: 0.5008
Epoch 205/700

267/267 [=====] - 1s 3ms/step - loss: 21.7042 -
auc_114: 0.5035 - val_loss: 11.2179 - val_auc_114: 0.5156
Epoch 206/700
267/267 [=====] - 1s 3ms/step - loss: 19.0385 -
auc_114: 0.5016 - val_loss: 7.7429 - val_auc_114: 0.5071
Epoch 207/700
267/267 [=====] - 1s 3ms/step - loss: 18.4154 -
auc_114: 0.5057 - val_loss: 22.3023 - val_auc_114: 0.5031
Epoch 208/700
267/267 [=====] - 1s 3ms/step - loss: 17.8235 -
auc_114: 0.5056 - val_loss: 21.6904 - val_auc_114: 0.5044
Epoch 209/700
267/267 [=====] - 1s 3ms/step - loss: 17.9260 -
auc_114: 0.5016 - val_loss: 23.0750 - val_auc_114: 0.4933
Epoch 210/700
267/267 [=====] - 1s 3ms/step - loss: 18.9905 -
auc_114: 0.5003 - val_loss: 13.4110 - val_auc_114: 0.5071
Epoch 211/700
267/267 [=====] - 1s 3ms/step - loss: 18.2366 -
auc_114: 0.4992 - val_loss: 14.2092 - val_auc_114: 0.5023
Epoch 212/700
267/267 [=====] - 1s 3ms/step - loss: 18.8835 -
auc_114: 0.5022 - val_loss: 36.6455 - val_auc_114: 0.4994
Epoch 213/700
267/267 [=====] - 1s 3ms/step - loss: 20.6361 -
auc_114: 0.5037 - val_loss: 26.9996 - val_auc_114: 0.4964
Epoch 214/700
267/267 [=====] - 1s 3ms/step - loss: 17.6553 -
auc_114: 0.5021 - val_loss: 9.6386 - val_auc_114: 0.5039
Epoch 215/700
267/267 [=====] - 1s 3ms/step - loss: 18.4730 -
auc_114: 0.5024 - val_loss: 17.9537 - val_auc_114: 0.4956
Epoch 216/700
267/267 [=====] - 1s 3ms/step - loss: 19.6907 -
auc_114: 0.5030 - val_loss: 29.3801 - val_auc_114: 0.5049
Epoch 217/700
267/267 [=====] - 1s 3ms/step - loss: 21.9317 -
auc_114: 0.5024 - val_loss: 16.2667 - val_auc_114: 0.5053
Epoch 218/700
267/267 [=====] - 1s 3ms/step - loss: 20.1305 -
auc_114: 0.4998 - val_loss: 14.3645 - val_auc_114: 0.4948
Epoch 219/700
267/267 [=====] - 1s 3ms/step - loss: 20.7475 -
auc_114: 0.4980 - val_loss: 15.3508 - val_auc_114: 0.5043
Epoch 220/700
267/267 [=====] - 1s 3ms/step - loss: 23.3139 -
auc_114: 0.5024 - val_loss: 17.9401 - val_auc_114: 0.4972
Epoch 221/700

267/267 [=====] - 1s 3ms/step - loss: 19.4037 -
auc_114: 0.5018 - val_loss: 27.5317 - val_auc_114: 0.4979
Epoch 222/700
267/267 [=====] - 1s 3ms/step - loss: 20.3067 -
auc_114: 0.5037 - val_loss: 15.6866 - val_auc_114: 0.4947
Epoch 223/700
267/267 [=====] - 1s 3ms/step - loss: 19.9824 -
auc_114: 0.5026 - val_loss: 12.8703 - val_auc_114: 0.4895
Epoch 224/700
267/267 [=====] - 1s 3ms/step - loss: 19.1162 -
auc_114: 0.5001 - val_loss: 14.4917 - val_auc_114: 0.5058
Epoch 225/700
267/267 [=====] - 1s 3ms/step - loss: 14.8982 -
auc_114: 0.5038 - val_loss: 23.4889 - val_auc_114: 0.5100
Epoch 226/700
267/267 [=====] - 1s 3ms/step - loss: 21.7725 -
auc_114: 0.5036 - val_loss: 25.5355 - val_auc_114: 0.4988
Epoch 227/700
267/267 [=====] - 1s 3ms/step - loss: 23.9713 -
auc_114: 0.5032 - val_loss: 20.2680 - val_auc_114: 0.4946
Epoch 228/700
267/267 [=====] - 1s 3ms/step - loss: 25.8025 -
auc_114: 0.5038 - val_loss: 35.5351 - val_auc_114: 0.4968
Epoch 229/700
267/267 [=====] - 1s 3ms/step - loss: 22.1819 -
auc_114: 0.5014 - val_loss: 6.1620 - val_auc_114: 0.4930
Epoch 230/700
267/267 [=====] - 1s 3ms/step - loss: 21.9378 -
auc_114: 0.5049 - val_loss: 18.0104 - val_auc_114: 0.4972
Epoch 231/700
267/267 [=====] - 1s 3ms/step - loss: 24.3042 -
auc_114: 0.4998 - val_loss: 15.4912 - val_auc_114: 0.5043
Epoch 232/700
267/267 [=====] - 1s 3ms/step - loss: 21.2328 -
auc_114: 0.5039 - val_loss: 24.5484 - val_auc_114: 0.5090
Epoch 233/700
267/267 [=====] - 1s 3ms/step - loss: 16.6731 -
auc_114: 0.4986 - val_loss: 22.7462 - val_auc_114: 0.4948
Epoch 234/700
267/267 [=====] - 1s 3ms/step - loss: 24.0420 -
auc_114: 0.5033 - val_loss: 39.1264 - val_auc_114: 0.4859
Epoch 235/700
267/267 [=====] - 1s 3ms/step - loss: 16.3006 -
auc_114: 0.4998 - val_loss: 22.9539 - val_auc_114: 0.5007
Epoch 236/700
267/267 [=====] - 1s 3ms/step - loss: 19.7497 -
auc_114: 0.5037 - val_loss: 14.3296 - val_auc_114: 0.4944
Epoch 237/700

267/267 [=====] - 1s 3ms/step - loss: 20.8634 -
auc_114: 0.5041 - val_loss: 34.1134 - val_auc_114: 0.5097
Epoch 238/700
267/267 [=====] - 1s 3ms/step - loss: 20.8243 -
auc_114: 0.5057 - val_loss: 17.8428 - val_auc_114: 0.5127
Epoch 239/700
267/267 [=====] - 1s 3ms/step - loss: 21.8724 -
auc_114: 0.5023 - val_loss: 30.3053 - val_auc_114: 0.5148
Epoch 240/700
267/267 [=====] - 1s 3ms/step - loss: 20.5991 -
auc_114: 0.5045 - val_loss: 42.0803 - val_auc_114: 0.5000
Epoch 241/700
267/267 [=====] - 1s 3ms/step - loss: 15.8535 -
auc_114: 0.5013 - val_loss: 8.6907 - val_auc_114: 0.4952
Epoch 242/700
267/267 [=====] - 1s 3ms/step - loss: 17.9344 -
auc_114: 0.5062 - val_loss: 21.1830 - val_auc_114: 0.5068
Epoch 243/700
267/267 [=====] - 1s 3ms/step - loss: 18.3120 -
auc_114: 0.5047 - val_loss: 10.3905 - val_auc_114: 0.5108
Epoch 244/700
267/267 [=====] - 1s 3ms/step - loss: 19.7068 -
auc_114: 0.4999 - val_loss: 13.4059 - val_auc_114: 0.5088
Epoch 245/700
267/267 [=====] - 1s 3ms/step - loss: 17.2390 -
auc_114: 0.5036 - val_loss: 21.2139 - val_auc_114: 0.4905
Epoch 246/700
267/267 [=====] - 1s 3ms/step - loss: 20.4630 -
auc_114: 0.5012 - val_loss: 15.8989 - val_auc_114: 0.4937
Epoch 247/700
267/267 [=====] - 1s 3ms/step - loss: 18.6779 -
auc_114: 0.4986 - val_loss: 10.9776 - val_auc_114: 0.4992
Epoch 248/700
267/267 [=====] - 1s 3ms/step - loss: 19.4561 -
auc_114: 0.5036 - val_loss: 42.7811 - val_auc_114: 0.5176
Epoch 249/700
267/267 [=====] - 1s 3ms/step - loss: 21.2449 -
auc_114: 0.5035 - val_loss: 22.2071 - val_auc_114: 0.5146
Epoch 250/700
267/267 [=====] - 1s 3ms/step - loss: 17.9271 -
auc_114: 0.5056 - val_loss: 13.0037 - val_auc_114: 0.5096
Epoch 251/700
267/267 [=====] - 1s 3ms/step - loss: 20.2860 -
auc_114: 0.5056 - val_loss: 19.4193 - val_auc_114: 0.5048
Epoch 252/700
267/267 [=====] - 1s 3ms/step - loss: 24.3821 -
auc_114: 0.5016 - val_loss: 16.8170 - val_auc_114: 0.5190
Epoch 253/700

267/267 [=====] - 1s 3ms/step - loss: 20.3479 -
auc_114: 0.5024 - val_loss: 29.7038 - val_auc_114: 0.5071
Epoch 254/700
267/267 [=====] - 1s 3ms/step - loss: 19.2087 -
auc_114: 0.5012 - val_loss: 25.4714 - val_auc_114: 0.5065
Epoch 255/700
267/267 [=====] - 1s 3ms/step - loss: 16.4652 -
auc_114: 0.5004 - val_loss: 19.6801 - val_auc_114: 0.4954
Epoch 256/700
267/267 [=====] - 1s 3ms/step - loss: 18.0294 -
auc_114: 0.4997 - val_loss: 17.8870 - val_auc_114: 0.4896
Epoch 257/700
267/267 [=====] - 1s 3ms/step - loss: 21.1599 -
auc_114: 0.5057 - val_loss: 35.8791 - val_auc_114: 0.5126
Epoch 258/700
267/267 [=====] - 1s 3ms/step - loss: 20.2724 -
auc_114: 0.5019 - val_loss: 12.8533 - val_auc_114: 0.5079
Epoch 259/700
267/267 [=====] - 1s 3ms/step - loss: 21.4727 -
auc_114: 0.5026 - val_loss: 13.3743 - val_auc_114: 0.5012
Epoch 260/700
267/267 [=====] - 1s 3ms/step - loss: 25.3289 -
auc_114: 0.5003 - val_loss: 24.6977 - val_auc_114: 0.5074
Epoch 261/700
267/267 [=====] - 1s 3ms/step - loss: 19.5834 -
auc_114: 0.5013 - val_loss: 22.1889 - val_auc_114: 0.5011
Epoch 262/700
267/267 [=====] - 1s 3ms/step - loss: 20.2959 -
auc_114: 0.5006 - val_loss: 3.0938 - val_auc_114: 0.4974
Epoch 263/700
267/267 [=====] - 1s 3ms/step - loss: 18.5395 -
auc_114: 0.5002 - val_loss: 35.4157 - val_auc_114: 0.5025
Epoch 264/700
267/267 [=====] - 1s 3ms/step - loss: 19.4003 -
auc_114: 0.5032 - val_loss: 14.1696 - val_auc_114: 0.4962
Epoch 265/700
267/267 [=====] - 1s 3ms/step - loss: 21.7099 -
auc_114: 0.5018 - val_loss: 21.5635 - val_auc_114: 0.4911
Epoch 266/700
267/267 [=====] - 1s 3ms/step - loss: 19.5946 -
auc_114: 0.4999 - val_loss: 26.2275 - val_auc_114: 0.4926
Epoch 267/700
267/267 [=====] - 1s 3ms/step - loss: 20.8492 -
auc_114: 0.5034 - val_loss: 10.6190 - val_auc_114: 0.5112
Epoch 268/700
267/267 [=====] - 1s 3ms/step - loss: 17.3116 -
auc_114: 0.5032 - val_loss: 14.9140 - val_auc_114: 0.5077
Epoch 269/700

267/267 [=====] - 1s 3ms/step - loss: 18.6584 -
auc_114: 0.4994 - val_loss: 20.0703 - val_auc_114: 0.4982
Epoch 270/700
267/267 [=====] - 1s 3ms/step - loss: 22.5757 -
auc_114: 0.5013 - val_loss: 14.9367 - val_auc_114: 0.4935
Epoch 271/700
267/267 [=====] - 1s 3ms/step - loss: 17.1317 -
auc_114: 0.5065 - val_loss: 25.3408 - val_auc_114: 0.4938
Epoch 272/700
267/267 [=====] - 1s 3ms/step - loss: 18.9800 -
auc_114: 0.5013 - val_loss: 8.8491 - val_auc_114: 0.4864
Epoch 273/700
267/267 [=====] - 1s 3ms/step - loss: 16.8785 -
auc_114: 0.5058 - val_loss: 11.6080 - val_auc_114: 0.5020
Epoch 274/700
267/267 [=====] - 1s 3ms/step - loss: 20.7520 -
auc_114: 0.5010 - val_loss: 25.6376 - val_auc_114: 0.4990
Epoch 275/700
267/267 [=====] - 1s 3ms/step - loss: 22.7856 -
auc_114: 0.5013 - val_loss: 25.1369 - val_auc_114: 0.5090
Epoch 276/700
267/267 [=====] - 1s 3ms/step - loss: 17.3369 -
auc_114: 0.4991 - val_loss: 10.9591 - val_auc_114: 0.4984
Epoch 277/700
267/267 [=====] - 1s 3ms/step - loss: 20.7783 -
auc_114: 0.5050 - val_loss: 15.3148 - val_auc_114: 0.5049
Epoch 278/700
267/267 [=====] - 1s 3ms/step - loss: 18.8970 -
auc_114: 0.5049 - val_loss: 16.0061 - val_auc_114: 0.5048
Epoch 279/700
267/267 [=====] - 1s 3ms/step - loss: 17.5779 -
auc_114: 0.5012 - val_loss: 14.9663 - val_auc_114: 0.4985
Epoch 280/700
267/267 [=====] - 1s 3ms/step - loss: 20.3050 -
auc_114: 0.5015 - val_loss: 32.5813 - val_auc_114: 0.4934
Epoch 281/700
267/267 [=====] - 1s 3ms/step - loss: 22.4661 -
auc_114: 0.5007 - val_loss: 31.6770 - val_auc_114: 0.4968
Epoch 282/700
267/267 [=====] - 1s 3ms/step - loss: 18.8553 -
auc_114: 0.5024 - val_loss: 9.3726 - val_auc_114: 0.5016
Epoch 283/700
267/267 [=====] - 1s 3ms/step - loss: 22.0986 -
auc_114: 0.5031 - val_loss: 17.9729 - val_auc_114: 0.5122
Epoch 284/700
267/267 [=====] - 1s 3ms/step - loss: 24.4578 -
auc_114: 0.4961 - val_loss: 30.5478 - val_auc_114: 0.5120
Epoch 285/700

267/267 [=====] - 1s 3ms/step - loss: 16.7657 -
auc_114: 0.4999 - val_loss: 17.5829 - val_auc_114: 0.5012
Epoch 286/700
267/267 [=====] - 1s 3ms/step - loss: 18.0744 -
auc_114: 0.5007 - val_loss: 13.9437 - val_auc_114: 0.4900
Epoch 287/700
267/267 [=====] - 1s 3ms/step - loss: 18.2398 -
auc_114: 0.4993 - val_loss: 18.3177 - val_auc_114: 0.5105
Epoch 288/700
267/267 [=====] - 1s 3ms/step - loss: 21.3129 -
auc_114: 0.5031 - val_loss: 25.1232 - val_auc_114: 0.5044
Epoch 289/700
267/267 [=====] - 1s 3ms/step - loss: 23.7798 -
auc_114: 0.5016 - val_loss: 16.3146 - val_auc_114: 0.5011
Epoch 290/700
267/267 [=====] - 1s 3ms/step - loss: 19.6279 -
auc_114: 0.5002 - val_loss: 47.9635 - val_auc_114: 0.4905
Epoch 291/700
267/267 [=====] - 1s 3ms/step - loss: 17.4881 -
auc_114: 0.5007 - val_loss: 35.3491 - val_auc_114: 0.5000
Epoch 292/700
267/267 [=====] - 1s 3ms/step - loss: 22.2311 -
auc_114: 0.5028 - val_loss: 37.5781 - val_auc_114: 0.4866
Epoch 293/700
267/267 [=====] - 1s 3ms/step - loss: 25.7272 -
auc_114: 0.5053 - val_loss: 25.7757 - val_auc_114: 0.5026
Epoch 294/700
267/267 [=====] - 1s 3ms/step - loss: 21.1687 -
auc_114: 0.5043 - val_loss: 23.9735 - val_auc_114: 0.4969
Epoch 295/700
267/267 [=====] - 1s 3ms/step - loss: 17.4076 -
auc_114: 0.5022 - val_loss: 12.0101 - val_auc_114: 0.5091
Epoch 296/700
267/267 [=====] - 1s 3ms/step - loss: 21.0087 -
auc_114: 0.5046 - val_loss: 23.1685 - val_auc_114: 0.4956
Epoch 297/700
267/267 [=====] - 1s 3ms/step - loss: 18.4499 -
auc_114: 0.5033 - val_loss: 30.9084 - val_auc_114: 0.4975
Epoch 298/700
267/267 [=====] - 1s 3ms/step - loss: 23.4784 -
auc_114: 0.4982 - val_loss: 11.2036 - val_auc_114: 0.5053
Epoch 299/700
267/267 [=====] - 1s 3ms/step - loss: 25.5626 -
auc_114: 0.5010 - val_loss: 42.4595 - val_auc_114: 0.4917
Epoch 300/700
267/267 [=====] - 1s 3ms/step - loss: 21.7130 -
auc_114: 0.5038 - val_loss: 13.8842 - val_auc_114: 0.5013
Epoch 301/700

267/267 [=====] - 1s 3ms/step - loss: 15.3124 -
auc_114: 0.5027 - val_loss: 19.9623 - val_auc_114: 0.4924
Epoch 302/700
267/267 [=====] - 1s 3ms/step - loss: 20.6204 -
auc_114: 0.5060 - val_loss: 22.9258 - val_auc_114: 0.5126
Epoch 303/700
267/267 [=====] - 1s 3ms/step - loss: 22.2642 -
auc_114: 0.5041 - val_loss: 11.9447 - val_auc_114: 0.5073
Epoch 304/700
267/267 [=====] - 1s 3ms/step - loss: 26.6434 -
auc_114: 0.5037 - val_loss: 15.1091 - val_auc_114: 0.4887
Epoch 305/700
267/267 [=====] - 1s 3ms/step - loss: 18.1970 -
auc_114: 0.4997 - val_loss: 5.8745 - val_auc_114: 0.5076
Epoch 306/700
267/267 [=====] - 1s 3ms/step - loss: 22.0034 -
auc_114: 0.5024 - val_loss: 16.8865 - val_auc_114: 0.5085
Epoch 307/700
267/267 [=====] - 1s 3ms/step - loss: 21.3639 -
auc_114: 0.5016 - val_loss: 14.0470 - val_auc_114: 0.5105
Epoch 308/700
267/267 [=====] - 1s 3ms/step - loss: 20.6694 -
auc_114: 0.5017 - val_loss: 24.4415 - val_auc_114: 0.5105
Epoch 309/700
267/267 [=====] - 1s 3ms/step - loss: 19.4188 -
auc_114: 0.5034 - val_loss: 14.6649 - val_auc_114: 0.5084
Epoch 310/700
267/267 [=====] - 1s 3ms/step - loss: 17.0007 -
auc_114: 0.5056 - val_loss: 67.4733 - val_auc_114: 0.5008
Epoch 311/700
267/267 [=====] - 1s 3ms/step - loss: 19.2831 -
auc_114: 0.5030 - val_loss: 13.9475 - val_auc_114: 0.5107
Epoch 312/700
267/267 [=====] - 1s 3ms/step - loss: 21.3986 -
auc_114: 0.5027 - val_loss: 19.8490 - val_auc_114: 0.4930
Epoch 313/700
267/267 [=====] - 1s 3ms/step - loss: 19.8443 -
auc_114: 0.4973 - val_loss: 22.5808 - val_auc_114: 0.5119
Epoch 314/700
267/267 [=====] - 1s 3ms/step - loss: 19.2866 -
auc_114: 0.5023 - val_loss: 29.1529 - val_auc_114: 0.4988
Epoch 315/700
267/267 [=====] - 1s 3ms/step - loss: 21.6173 -
auc_114: 0.5056 - val_loss: 11.4372 - val_auc_114: 0.5106
Epoch 316/700
267/267 [=====] - 1s 3ms/step - loss: 23.8343 -
auc_114: 0.4968 - val_loss: 39.5842 - val_auc_114: 0.5038
Epoch 317/700

267/267 [=====] - 1s 3ms/step - loss: 20.1501 -
auc_114: 0.5029 - val_loss: 8.3290 - val_auc_114: 0.4969
Epoch 318/700
267/267 [=====] - 1s 3ms/step - loss: 22.3894 -
auc_114: 0.5019 - val_loss: 12.1415 - val_auc_114: 0.4975
Epoch 319/700
267/267 [=====] - 1s 3ms/step - loss: 15.7128 -
auc_114: 0.5030 - val_loss: 17.5135 - val_auc_114: 0.5066
Epoch 320/700
267/267 [=====] - 1s 3ms/step - loss: 20.3146 -
auc_114: 0.4985 - val_loss: 26.8467 - val_auc_114: 0.5078
Epoch 321/700
267/267 [=====] - 1s 3ms/step - loss: 17.6735 -
auc_114: 0.5017 - val_loss: 23.6661 - val_auc_114: 0.5019
Epoch 322/700
267/267 [=====] - 1s 3ms/step - loss: 19.5726 -
auc_114: 0.5051 - val_loss: 17.8656 - val_auc_114: 0.5055
Epoch 323/700
267/267 [=====] - 1s 3ms/step - loss: 21.5268 -
auc_114: 0.5028 - val_loss: 20.0985 - val_auc_114: 0.4921
Epoch 324/700
267/267 [=====] - 1s 3ms/step - loss: 19.2621 -
auc_114: 0.4990 - val_loss: 32.3944 - val_auc_114: 0.5077
Epoch 325/700
267/267 [=====] - 1s 3ms/step - loss: 19.1698 -
auc_114: 0.5006 - val_loss: 19.4230 - val_auc_114: 0.4940
Epoch 326/700
267/267 [=====] - 1s 3ms/step - loss: 19.1366 -
auc_114: 0.5035 - val_loss: 10.2978 - val_auc_114: 0.5080
Epoch 327/700
267/267 [=====] - 1s 3ms/step - loss: 18.4461 -
auc_114: 0.5011 - val_loss: 16.5555 - val_auc_114: 0.5002
Epoch 328/700
267/267 [=====] - 1s 3ms/step - loss: 20.1854 -
auc_114: 0.4982 - val_loss: 14.6663 - val_auc_114: 0.4966
Epoch 329/700
267/267 [=====] - 1s 3ms/step - loss: 18.6300 -
auc_114: 0.5075 - val_loss: 43.4488 - val_auc_114: 0.5055
Epoch 330/700
267/267 [=====] - 1s 3ms/step - loss: 21.4325 -
auc_114: 0.5044 - val_loss: 14.2574 - val_auc_114: 0.5078
Epoch 331/700
267/267 [=====] - 1s 3ms/step - loss: 16.1927 -
auc_114: 0.5015 - val_loss: 11.9661 - val_auc_114: 0.4941
Epoch 332/700
267/267 [=====] - 1s 3ms/step - loss: 17.3477 -
auc_114: 0.5021 - val_loss: 33.3442 - val_auc_114: 0.5041
Epoch 333/700

267/267 [=====] - 1s 3ms/step - loss: 21.3220 -
auc_114: 0.5053 - val_loss: 18.1850 - val_auc_114: 0.4854
Epoch 334/700
267/267 [=====] - 1s 3ms/step - loss: 18.1372 -
auc_114: 0.5016 - val_loss: 22.7914 - val_auc_114: 0.4889
Epoch 335/700
267/267 [=====] - 1s 3ms/step - loss: 24.9382 -
auc_114: 0.4998 - val_loss: 18.4385 - val_auc_114: 0.5123
Epoch 336/700
267/267 [=====] - 1s 3ms/step - loss: 19.5233 -
auc_114: 0.5040 - val_loss: 15.6198 - val_auc_114: 0.5032
Epoch 337/700
267/267 [=====] - 1s 3ms/step - loss: 19.9706 -
auc_114: 0.5033 - val_loss: 21.1073 - val_auc_114: 0.5134
Epoch 338/700
267/267 [=====] - 1s 3ms/step - loss: 22.2993 -
auc_114: 0.5036 - val_loss: 62.9620 - val_auc_114: 0.4897
Epoch 339/700
267/267 [=====] - 1s 3ms/step - loss: 22.3760 -
auc_114: 0.5024 - val_loss: 28.6310 - val_auc_114: 0.5041
Epoch 340/700
267/267 [=====] - 1s 3ms/step - loss: 20.3347 -
auc_114: 0.5030 - val_loss: 9.2594 - val_auc_114: 0.4893
Epoch 341/700
267/267 [=====] - 1s 3ms/step - loss: 18.1073 -
auc_114: 0.5014 - val_loss: 16.6750 - val_auc_114: 0.5081
Epoch 342/700
267/267 [=====] - 1s 3ms/step - loss: 20.8165 -
auc_114: 0.4984 - val_loss: 38.7745 - val_auc_114: 0.4979
Epoch 343/700
267/267 [=====] - 1s 3ms/step - loss: 20.9562 -
auc_114: 0.5030 - val_loss: 17.6978 - val_auc_114: 0.5007
Epoch 344/700
267/267 [=====] - 1s 3ms/step - loss: 18.2615 -
auc_114: 0.5004 - val_loss: 36.1222 - val_auc_114: 0.4863
Epoch 345/700
267/267 [=====] - 1s 3ms/step - loss: 20.5265 -
auc_114: 0.5032 - val_loss: 12.6462 - val_auc_114: 0.4965
Epoch 346/700
267/267 [=====] - 1s 3ms/step - loss: 19.7462 -
auc_114: 0.4962 - val_loss: 14.2444 - val_auc_114: 0.4853
Epoch 347/700
267/267 [=====] - 1s 3ms/step - loss: 16.5758 -
auc_114: 0.5053 - val_loss: 24.8193 - val_auc_114: 0.5005
Epoch 348/700
267/267 [=====] - 1s 3ms/step - loss: 19.6877 -
auc_114: 0.5031 - val_loss: 33.8051 - val_auc_114: 0.5132
Epoch 349/700

267/267 [=====] - 1s 3ms/step - loss: 18.3441 -
auc_114: 0.5021 - val_loss: 43.2358 - val_auc_114: 0.4887
Epoch 350/700
267/267 [=====] - 1s 3ms/step - loss: 21.4692 -
auc_114: 0.5008 - val_loss: 10.1320 - val_auc_114: 0.5114
Epoch 351/700
267/267 [=====] - 1s 3ms/step - loss: 17.6310 -
auc_114: 0.5041 - val_loss: 15.2010 - val_auc_114: 0.4968
Epoch 352/700
267/267 [=====] - 1s 3ms/step - loss: 21.3588 -
auc_114: 0.5043 - val_loss: 32.3450 - val_auc_114: 0.5177
Epoch 353/700
267/267 [=====] - 1s 3ms/step - loss: 21.0766 -
auc_114: 0.5044 - val_loss: 12.1679 - val_auc_114: 0.5085
Epoch 354/700
267/267 [=====] - 1s 3ms/step - loss: 19.9028 -
auc_114: 0.5005 - val_loss: 10.2276 - val_auc_114: 0.5108
Epoch 355/700
267/267 [=====] - 1s 3ms/step - loss: 19.3653 -
auc_114: 0.5040 - val_loss: 19.2363 - val_auc_114: 0.5009
Epoch 356/700
267/267 [=====] - 1s 3ms/step - loss: 24.3760 -
auc_114: 0.5016 - val_loss: 16.6887 - val_auc_114: 0.4912
Epoch 357/700
267/267 [=====] - 1s 3ms/step - loss: 17.3286 -
auc_114: 0.5028 - val_loss: 24.1950 - val_auc_114: 0.5165
Epoch 358/700
267/267 [=====] - 1s 3ms/step - loss: 18.5765 -
auc_114: 0.5022 - val_loss: 14.7637 - val_auc_114: 0.5024
Epoch 359/700
267/267 [=====] - 1s 3ms/step - loss: 16.5412 -
auc_114: 0.5015 - val_loss: 29.2513 - val_auc_114: 0.4961
Epoch 360/700
267/267 [=====] - 1s 3ms/step - loss: 19.4507 -
auc_114: 0.5002 - val_loss: 11.0573 - val_auc_114: 0.4855
Epoch 361/700
267/267 [=====] - 1s 3ms/step - loss: 19.1976 -
auc_114: 0.5029 - val_loss: 10.5243 - val_auc_114: 0.4865
Epoch 362/700
267/267 [=====] - 1s 3ms/step - loss: 21.6246 -
auc_114: 0.5069 - val_loss: 13.9458 - val_auc_114: 0.4879
Epoch 363/700
267/267 [=====] - 1s 3ms/step - loss: 20.2553 -
auc_114: 0.5025 - val_loss: 14.2516 - val_auc_114: 0.5154
Epoch 364/700
267/267 [=====] - 1s 3ms/step - loss: 19.6436 -
auc_114: 0.5013 - val_loss: 8.0691 - val_auc_114: 0.5123
Epoch 365/700

267/267 [=====] - 1s 3ms/step - loss: 17.5928 -
auc_114: 0.5004 - val_loss: 8.7152 - val_auc_114: 0.5022
Epoch 366/700
267/267 [=====] - 1s 3ms/step - loss: 23.9079 -
auc_114: 0.5024 - val_loss: 30.8127 - val_auc_114: 0.5001
Epoch 367/700
267/267 [=====] - 1s 3ms/step - loss: 21.9711 -
auc_114: 0.4990 - val_loss: 16.4894 - val_auc_114: 0.4885
Epoch 368/700
267/267 [=====] - 1s 3ms/step - loss: 18.4141 -
auc_114: 0.5024 - val_loss: 9.3064 - val_auc_114: 0.5067
Epoch 369/700
267/267 [=====] - 1s 3ms/step - loss: 17.2829 -
auc_114: 0.5046 - val_loss: 12.0651 - val_auc_114: 0.4979
Epoch 370/700
267/267 [=====] - 1s 3ms/step - loss: 16.9486 -
auc_114: 0.5034 - val_loss: 25.8447 - val_auc_114: 0.4931
Epoch 371/700
267/267 [=====] - 1s 3ms/step - loss: 17.0639 -
auc_114: 0.5028 - val_loss: 32.1464 - val_auc_114: 0.4956
Epoch 372/700
267/267 [=====] - 1s 3ms/step - loss: 17.1495 -
auc_114: 0.5038 - val_loss: 17.7332 - val_auc_114: 0.5072
Epoch 373/700
267/267 [=====] - 1s 3ms/step - loss: 21.5554 -
auc_114: 0.4995 - val_loss: 20.9130 - val_auc_114: 0.5063
Epoch 374/700
267/267 [=====] - 1s 3ms/step - loss: 19.3602 -
auc_114: 0.5052 - val_loss: 28.5810 - val_auc_114: 0.4996
Epoch 375/700
267/267 [=====] - 1s 3ms/step - loss: 18.9663 -
auc_114: 0.5026 - val_loss: 24.9467 - val_auc_114: 0.5034
Epoch 376/700
267/267 [=====] - 1s 3ms/step - loss: 19.3673 -
auc_114: 0.5042 - val_loss: 20.9243 - val_auc_114: 0.5031
Epoch 377/700
267/267 [=====] - 1s 3ms/step - loss: 18.0512 -
auc_114: 0.5012 - val_loss: 24.7696 - val_auc_114: 0.4957
Epoch 378/700
267/267 [=====] - 1s 3ms/step - loss: 19.4690 -
auc_114: 0.4993 - val_loss: 35.5224 - val_auc_114: 0.4929
Epoch 379/700
267/267 [=====] - 1s 3ms/step - loss: 21.7713 -
auc_114: 0.4975 - val_loss: 6.9631 - val_auc_114: 0.5081
Epoch 380/700
267/267 [=====] - 1s 3ms/step - loss: 18.3222 -
auc_114: 0.5009 - val_loss: 15.9720 - val_auc_114: 0.4959
Epoch 381/700

267/267 [=====] - 1s 3ms/step - loss: 19.4767 -
auc_114: 0.4988 - val_loss: 9.2406 - val_auc_114: 0.4952
Epoch 382/700
267/267 [=====] - 1s 3ms/step - loss: 17.0819 -
auc_114: 0.5042 - val_loss: 41.7935 - val_auc_114: 0.4946
Epoch 383/700
267/267 [=====] - 1s 3ms/step - loss: 21.2828 -
auc_114: 0.4979 - val_loss: 44.0295 - val_auc_114: 0.5002
Epoch 384/700
267/267 [=====] - 1s 3ms/step - loss: 22.1623 -
auc_114: 0.5020 - val_loss: 21.0798 - val_auc_114: 0.4995
Epoch 385/700
267/267 [=====] - 1s 3ms/step - loss: 19.7734 -
auc_114: 0.5046 - val_loss: 42.0604 - val_auc_114: 0.4998
Epoch 386/700
267/267 [=====] - 1s 3ms/step - loss: 19.1108 -
auc_114: 0.5034 - val_loss: 13.7474 - val_auc_114: 0.5002
Epoch 387/700
267/267 [=====] - 1s 3ms/step - loss: 20.1249 -
auc_114: 0.4988 - val_loss: 11.6959 - val_auc_114: 0.5092
Epoch 388/700
267/267 [=====] - 1s 3ms/step - loss: 22.0043 -
auc_114: 0.4996 - val_loss: 35.2338 - val_auc_114: 0.5008
Epoch 389/700
267/267 [=====] - 1s 3ms/step - loss: 19.4951 -
auc_114: 0.5012 - val_loss: 16.9275 - val_auc_114: 0.4968
Epoch 390/700
267/267 [=====] - 1s 3ms/step - loss: 18.4265 -
auc_114: 0.5046 - val_loss: 11.1988 - val_auc_114: 0.5132
Epoch 391/700
267/267 [=====] - 1s 3ms/step - loss: 18.5537 -
auc_114: 0.5047 - val_loss: 47.1049 - val_auc_114: 0.4960
Epoch 392/700
267/267 [=====] - 1s 3ms/step - loss: 22.5059 -
auc_114: 0.5016 - val_loss: 10.8720 - val_auc_114: 0.4991
Epoch 393/700
267/267 [=====] - 1s 3ms/step - loss: 15.6263 -
auc_114: 0.5045 - val_loss: 23.3501 - val_auc_114: 0.5118
Epoch 394/700
267/267 [=====] - 1s 3ms/step - loss: 17.9844 -
auc_114: 0.5027 - val_loss: 10.6860 - val_auc_114: 0.5094
Epoch 395/700
267/267 [=====] - 1s 3ms/step - loss: 22.3581 -
auc_114: 0.5014 - val_loss: 21.2661 - val_auc_114: 0.5075
Epoch 396/700
267/267 [=====] - 1s 3ms/step - loss: 20.9322 -
auc_114: 0.4999 - val_loss: 21.0539 - val_auc_114: 0.5036
Epoch 397/700

267/267 [=====] - 1s 3ms/step - loss: 19.7293 -
 auc_114: 0.5020 - val_loss: 25.9773 - val_auc_114: 0.4988
 Epoch 398/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5231 -
 auc_114: 0.5001 - val_loss: 9.3762 - val_auc_114: 0.4979
 Epoch 399/700
 267/267 [=====] - 1s 3ms/step - loss: 17.0613 -
 auc_114: 0.5032 - val_loss: 11.6142 - val_auc_114: 0.4921
 Epoch 400/700
 267/267 [=====] - 1s 3ms/step - loss: 22.0973 -
 auc_114: 0.4992 - val_loss: 11.4806 - val_auc_114: 0.4853
 Epoch 401/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4193 -
 auc_114: 0.5017 - val_loss: 11.3894 - val_auc_114: 0.5010
 Epoch 402/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6498 -
 auc_114: 0.5068 - val_loss: 25.3599 - val_auc_114: 0.5156
 Epoch 403/700
 267/267 [=====] - 1s 3ms/step - loss: 15.6106 -
 auc_114: 0.5039 - val_loss: 31.3496 - val_auc_114: 0.4953
 Epoch 404/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2288 -
 auc_114: 0.5024 - val_loss: 25.0403 - val_auc_114: 0.5022
 Epoch 405/700
 267/267 [=====] - 1s 3ms/step - loss: 17.1641 -
 auc_114: 0.5042 - val_loss: 8.7078 - val_auc_114: 0.5064
 Epoch 406/700
 267/267 [=====] - 1s 3ms/step - loss: 22.9562 -
 auc_114: 0.5002 - val_loss: 34.7073 - val_auc_114: 0.4963
 Epoch 407/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4157 -
 auc_114: 0.5034 - val_loss: 12.0432 - val_auc_114: 0.5022
 Epoch 408/700
 267/267 [=====] - 1s 3ms/step - loss: 17.2732 -
 auc_114: 0.4994 - val_loss: 8.5343 - val_auc_114: 0.4939
 Epoch 409/700
 267/267 [=====] - 1s 3ms/step - loss: 23.9421 -
 auc_114: 0.5004 - val_loss: 10.4763 - val_auc_114: 0.5049
 Epoch 410/700
 267/267 [=====] - 1s 3ms/step - loss: 19.2903 -
 auc_114: 0.5008 - val_loss: 11.9447 - val_auc_114: 0.5043
 Epoch 411/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1328 -
 auc_114: 0.5029 - val_loss: 7.1464 - val_auc_114: 0.5038
 Epoch 412/700
 267/267 [=====] - 1s 3ms/step - loss: 21.7267 -
 auc_114: 0.4988 - val_loss: 9.0888 - val_auc_114: 0.5067
 Epoch 413/700

267/267 [=====] - 1s 3ms/step - loss: 19.0400 -
auc_114: 0.5043 - val_loss: 23.7517 - val_auc_114: 0.5072
Epoch 414/700
267/267 [=====] - 1s 3ms/step - loss: 16.8530 -
auc_114: 0.5013 - val_loss: 11.7623 - val_auc_114: 0.5019
Epoch 415/700
267/267 [=====] - 1s 3ms/step - loss: 20.9061 -
auc_114: 0.5011 - val_loss: 17.3449 - val_auc_114: 0.5099
Epoch 416/700
267/267 [=====] - 1s 3ms/step - loss: 19.1449 -
auc_114: 0.5024 - val_loss: 12.3201 - val_auc_114: 0.4966
Epoch 417/700
267/267 [=====] - 1s 3ms/step - loss: 18.5547 -
auc_114: 0.5040 - val_loss: 15.6207 - val_auc_114: 0.4876
Epoch 418/700
267/267 [=====] - 1s 3ms/step - loss: 22.0591 -
auc_114: 0.5000 - val_loss: 13.4697 - val_auc_114: 0.5074
Epoch 419/700
267/267 [=====] - 1s 3ms/step - loss: 20.5460 -
auc_114: 0.4990 - val_loss: 29.5826 - val_auc_114: 0.4947
Epoch 420/700
267/267 [=====] - 1s 3ms/step - loss: 16.5612 -
auc_114: 0.5069 - val_loss: 10.7681 - val_auc_114: 0.4986
Epoch 421/700
267/267 [=====] - 1s 3ms/step - loss: 17.4182 -
auc_114: 0.5035 - val_loss: 37.2319 - val_auc_114: 0.5068
Epoch 422/700
267/267 [=====] - 1s 3ms/step - loss: 21.2050 -
auc_114: 0.5007 - val_loss: 16.7800 - val_auc_114: 0.4972
Epoch 423/700
267/267 [=====] - 1s 3ms/step - loss: 18.0249 -
auc_114: 0.5042 - val_loss: 5.1108 - val_auc_114: 0.5119
Epoch 424/700
267/267 [=====] - 1s 3ms/step - loss: 17.9938 -
auc_114: 0.5009 - val_loss: 14.8054 - val_auc_114: 0.5041
Epoch 425/700
267/267 [=====] - 1s 3ms/step - loss: 19.7939 -
auc_114: 0.5049 - val_loss: 12.7807 - val_auc_114: 0.4955
Epoch 426/700
267/267 [=====] - 1s 3ms/step - loss: 19.8784 -
auc_114: 0.5011 - val_loss: 15.7613 - val_auc_114: 0.4991
Epoch 427/700
267/267 [=====] - 1s 3ms/step - loss: 18.0614 -
auc_114: 0.5015 - val_loss: 22.5865 - val_auc_114: 0.4974
Epoch 428/700
267/267 [=====] - 1s 3ms/step - loss: 20.4021 -
auc_114: 0.5039 - val_loss: 21.8188 - val_auc_114: 0.5033
Epoch 429/700

267/267 [=====] - 1s 3ms/step - loss: 21.9908 -
auc_114: 0.4998 - val_loss: 53.4299 - val_auc_114: 0.5079
Epoch 430/700
267/267 [=====] - 1s 3ms/step - loss: 19.8503 -
auc_114: 0.5030 - val_loss: 26.1022 - val_auc_114: 0.4859
Epoch 431/700
267/267 [=====] - 1s 3ms/step - loss: 17.3078 -
auc_114: 0.5000 - val_loss: 10.2959 - val_auc_114: 0.5043
Epoch 432/700
267/267 [=====] - 1s 3ms/step - loss: 18.8011 -
auc_114: 0.5025 - val_loss: 10.9360 - val_auc_114: 0.5011
Epoch 433/700
267/267 [=====] - 1s 3ms/step - loss: 19.6081 -
auc_114: 0.5044 - val_loss: 13.8014 - val_auc_114: 0.5102
Epoch 434/700
267/267 [=====] - 1s 3ms/step - loss: 23.2964 -
auc_114: 0.5068 - val_loss: 35.3362 - val_auc_114: 0.5057
Epoch 435/700
267/267 [=====] - 1s 3ms/step - loss: 16.5919 -
auc_114: 0.5044 - val_loss: 40.0576 - val_auc_114: 0.4913
Epoch 436/700
267/267 [=====] - 1s 3ms/step - loss: 17.5560 -
auc_114: 0.5018 - val_loss: 34.7922 - val_auc_114: 0.4891
Epoch 437/700
267/267 [=====] - 1s 3ms/step - loss: 19.0367 -
auc_114: 0.5002 - val_loss: 38.3022 - val_auc_114: 0.4932
Epoch 438/700
267/267 [=====] - 1s 3ms/step - loss: 23.6920 -
auc_114: 0.5035 - val_loss: 25.7615 - val_auc_114: 0.5008
Epoch 439/700
267/267 [=====] - 1s 3ms/step - loss: 21.9647 -
auc_114: 0.5011 - val_loss: 23.5393 - val_auc_114: 0.5109
Epoch 440/700
267/267 [=====] - 1s 3ms/step - loss: 18.8237 -
auc_114: 0.5039 - val_loss: 4.9942 - val_auc_114: 0.4916
Epoch 441/700
267/267 [=====] - 1s 3ms/step - loss: 17.4504 -
auc_114: 0.5044 - val_loss: 26.2645 - val_auc_114: 0.4981
Epoch 442/700
267/267 [=====] - 1s 3ms/step - loss: 19.8305 -
auc_114: 0.5012 - val_loss: 12.8833 - val_auc_114: 0.5084
Epoch 443/700
267/267 [=====] - 1s 3ms/step - loss: 22.8298 -
auc_114: 0.5033 - val_loss: 15.0045 - val_auc_114: 0.5167
Epoch 444/700
267/267 [=====] - 1s 3ms/step - loss: 20.1607 -
auc_114: 0.4999 - val_loss: 19.0827 - val_auc_114: 0.5033
Epoch 445/700

267/267 [=====] - 1s 3ms/step - loss: 21.5780 -
auc_114: 0.4989 - val_loss: 19.8173 - val_auc_114: 0.5060
Epoch 446/700
267/267 [=====] - 1s 3ms/step - loss: 19.6370 -
auc_114: 0.5019 - val_loss: 14.3455 - val_auc_114: 0.5113
Epoch 447/700
267/267 [=====] - 1s 3ms/step - loss: 16.7743 -
auc_114: 0.5056 - val_loss: 30.9555 - val_auc_114: 0.4937
Epoch 448/700
267/267 [=====] - 1s 3ms/step - loss: 16.6681 -
auc_114: 0.5021 - val_loss: 16.2621 - val_auc_114: 0.5114
Epoch 449/700
267/267 [=====] - 1s 3ms/step - loss: 22.7782 -
auc_114: 0.5023 - val_loss: 34.6659 - val_auc_114: 0.5097
Epoch 450/700
267/267 [=====] - 1s 3ms/step - loss: 20.1889 -
auc_114: 0.5042 - val_loss: 30.3609 - val_auc_114: 0.4940
Epoch 451/700
267/267 [=====] - 1s 3ms/step - loss: 16.6293 -
auc_114: 0.5028 - val_loss: 9.5748 - val_auc_114: 0.4926
Epoch 452/700
267/267 [=====] - 1s 3ms/step - loss: 20.0694 -
auc_114: 0.5011 - val_loss: 15.0694 - val_auc_114: 0.4857
Epoch 453/700
267/267 [=====] - 1s 3ms/step - loss: 20.6043 -
auc_114: 0.5018 - val_loss: 8.9374 - val_auc_114: 0.5147
Epoch 454/700
267/267 [=====] - 1s 3ms/step - loss: 18.6249 -
auc_114: 0.5050 - val_loss: 10.7493 - val_auc_114: 0.5006
Epoch 455/700
267/267 [=====] - 1s 3ms/step - loss: 21.9421 -
auc_114: 0.5039 - val_loss: 10.2765 - val_auc_114: 0.5049
Epoch 456/700
267/267 [=====] - 1s 3ms/step - loss: 18.9268 -
auc_114: 0.5005 - val_loss: 10.5785 - val_auc_114: 0.4924
Epoch 457/700
267/267 [=====] - 1s 3ms/step - loss: 18.1297 -
auc_114: 0.4986 - val_loss: 15.5474 - val_auc_114: 0.5050
Epoch 458/700
267/267 [=====] - 1s 3ms/step - loss: 17.5235 -
auc_114: 0.5048 - val_loss: 12.2939 - val_auc_114: 0.4930
Epoch 459/700
267/267 [=====] - 1s 3ms/step - loss: 22.4504 -
auc_114: 0.5020 - val_loss: 13.0093 - val_auc_114: 0.4958
Epoch 460/700
267/267 [=====] - 1s 3ms/step - loss: 23.5036 -
auc_114: 0.5056 - val_loss: 11.3225 - val_auc_114: 0.4907
Epoch 461/700

267/267 [=====] - 1s 3ms/step - loss: 19.9741 -
auc_114: 0.5017 - val_loss: 7.8451 - val_auc_114: 0.4973
Epoch 462/700
267/267 [=====] - 1s 3ms/step - loss: 17.8736 -
auc_114: 0.5016 - val_loss: 9.1379 - val_auc_114: 0.5026
Epoch 463/700
267/267 [=====] - 1s 3ms/step - loss: 21.9733 -
auc_114: 0.4995 - val_loss: 18.9053 - val_auc_114: 0.5028
Epoch 464/700
267/267 [=====] - 1s 3ms/step - loss: 22.9320 -
auc_114: 0.5051 - val_loss: 11.4082 - val_auc_114: 0.4903
Epoch 465/700
267/267 [=====] - 1s 3ms/step - loss: 20.4213 -
auc_114: 0.5040 - val_loss: 18.3763 - val_auc_114: 0.4974
Epoch 466/700
267/267 [=====] - 1s 3ms/step - loss: 20.2415 -
auc_114: 0.5031 - val_loss: 8.1158 - val_auc_114: 0.4992
Epoch 467/700
267/267 [=====] - 1s 3ms/step - loss: 17.1364 -
auc_114: 0.5007 - val_loss: 22.5180 - val_auc_114: 0.4856
Epoch 468/700
267/267 [=====] - 1s 3ms/step - loss: 18.7951 -
auc_114: 0.5005 - val_loss: 9.0388 - val_auc_114: 0.4905
Epoch 469/700
267/267 [=====] - 1s 3ms/step - loss: 22.8103 -
auc_114: 0.5010 - val_loss: 26.0617 - val_auc_114: 0.5051
Epoch 470/700
267/267 [=====] - 1s 3ms/step - loss: 22.7699 -
auc_114: 0.5038 - val_loss: 17.0918 - val_auc_114: 0.4950
Epoch 471/700
267/267 [=====] - 1s 3ms/step - loss: 19.7143 -
auc_114: 0.5042 - val_loss: 31.2430 - val_auc_114: 0.4910
Epoch 472/700
267/267 [=====] - 1s 3ms/step - loss: 18.0830 -
auc_114: 0.5005 - val_loss: 24.5789 - val_auc_114: 0.5152
Epoch 473/700
267/267 [=====] - 1s 3ms/step - loss: 19.5470 -
auc_114: 0.5010 - val_loss: 7.6515 - val_auc_114: 0.5135
Epoch 474/700
267/267 [=====] - 1s 3ms/step - loss: 21.8532 -
auc_114: 0.5015 - val_loss: 14.3111 - val_auc_114: 0.5064
Epoch 475/700
267/267 [=====] - 1s 3ms/step - loss: 19.1739 -
auc_114: 0.5054 - val_loss: 9.3138 - val_auc_114: 0.4984
Epoch 476/700
267/267 [=====] - 1s 3ms/step - loss: 19.0261 -
auc_114: 0.5028 - val_loss: 22.9602 - val_auc_114: 0.5029
Epoch 477/700

267/267 [=====] - 1s 3ms/step - loss: 17.1752 -
auc_114: 0.5038 - val_loss: 24.3111 - val_auc_114: 0.4960
Epoch 478/700
267/267 [=====] - 1s 3ms/step - loss: 20.0688 -
auc_114: 0.5025 - val_loss: 19.8383 - val_auc_114: 0.5178
Epoch 479/700
267/267 [=====] - 1s 3ms/step - loss: 22.7265 -
auc_114: 0.4998 - val_loss: 16.8765 - val_auc_114: 0.5038
Epoch 480/700
267/267 [=====] - 1s 3ms/step - loss: 17.8579 -
auc_114: 0.4984 - val_loss: 7.9261 - val_auc_114: 0.4937
Epoch 481/700
267/267 [=====] - 1s 3ms/step - loss: 21.7087 -
auc_114: 0.4996 - val_loss: 20.1550 - val_auc_114: 0.5113
Epoch 482/700
267/267 [=====] - 1s 3ms/step - loss: 20.9725 -
auc_114: 0.5017 - val_loss: 15.5682 - val_auc_114: 0.5115
Epoch 483/700
267/267 [=====] - 1s 3ms/step - loss: 18.0060 -
auc_114: 0.5043 - val_loss: 43.2280 - val_auc_114: 0.5025
Epoch 484/700
267/267 [=====] - 1s 3ms/step - loss: 19.5203 -
auc_114: 0.5027 - val_loss: 23.8655 - val_auc_114: 0.5133
Epoch 485/700
267/267 [=====] - 1s 3ms/step - loss: 20.1837 -
auc_114: 0.4985 - val_loss: 29.4898 - val_auc_114: 0.5071
Epoch 486/700
267/267 [=====] - 1s 3ms/step - loss: 17.1491 -
auc_114: 0.5001 - val_loss: 15.1090 - val_auc_114: 0.5001
Epoch 487/700
267/267 [=====] - 1s 3ms/step - loss: 20.9386 -
auc_114: 0.4979 - val_loss: 7.1482 - val_auc_114: 0.5077
Epoch 488/700
267/267 [=====] - 1s 3ms/step - loss: 17.1059 -
auc_114: 0.4993 - val_loss: 14.4717 - val_auc_114: 0.5057
Epoch 489/700
267/267 [=====] - 1s 3ms/step - loss: 21.3112 -
auc_114: 0.5044 - val_loss: 15.0049 - val_auc_114: 0.5100
Epoch 490/700
267/267 [=====] - 1s 3ms/step - loss: 21.3301 -
auc_114: 0.5039 - val_loss: 65.1739 - val_auc_114: 0.5044
Epoch 491/700
267/267 [=====] - 1s 3ms/step - loss: 21.6790 -
auc_114: 0.5008 - val_loss: 34.5009 - val_auc_114: 0.4898
Epoch 492/700
267/267 [=====] - 1s 3ms/step - loss: 17.2904 -
auc_114: 0.5012 - val_loss: 8.5663 - val_auc_114: 0.5014
Epoch 493/700

267/267 [=====] - 1s 3ms/step - loss: 17.9926 -
 auc_114: 0.4994 - val_loss: 15.4424 - val_auc_114: 0.5069
 Epoch 494/700
 267/267 [=====] - 1s 3ms/step - loss: 19.1244 -
 auc_114: 0.5035 - val_loss: 34.6338 - val_auc_114: 0.5021
 Epoch 495/700
 267/267 [=====] - 1s 3ms/step - loss: 17.3128 -
 auc_114: 0.5020 - val_loss: 9.7094 - val_auc_114: 0.4995
 Epoch 496/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0432 -
 auc_114: 0.4979 - val_loss: 12.7039 - val_auc_114: 0.4987
 Epoch 497/700
 267/267 [=====] - 1s 3ms/step - loss: 22.2190 -
 auc_114: 0.5017 - val_loss: 8.4582 - val_auc_114: 0.5104
 Epoch 498/700
 267/267 [=====] - 1s 3ms/step - loss: 21.8640 -
 auc_114: 0.5013 - val_loss: 7.6909 - val_auc_114: 0.5066
 Epoch 499/700
 267/267 [=====] - 1s 3ms/step - loss: 20.0706 -
 auc_114: 0.5029 - val_loss: 28.4153 - val_auc_114: 0.5037
 Epoch 500/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2911 -
 auc_114: 0.4990 - val_loss: 34.0536 - val_auc_114: 0.5111
 Epoch 501/700
 267/267 [=====] - 1s 3ms/step - loss: 19.9434 -
 auc_114: 0.5031 - val_loss: 21.8138 - val_auc_114: 0.4942
 Epoch 502/700
 267/267 [=====] - 1s 3ms/step - loss: 17.9912 -
 auc_114: 0.5036 - val_loss: 15.5052 - val_auc_114: 0.4944
 Epoch 503/700
 267/267 [=====] - 1s 3ms/step - loss: 20.0419 -
 auc_114: 0.5027 - val_loss: 16.7193 - val_auc_114: 0.5019
 Epoch 504/700
 267/267 [=====] - 1s 3ms/step - loss: 21.1833 -
 auc_114: 0.5019 - val_loss: 16.2276 - val_auc_114: 0.4934
 Epoch 505/700
 267/267 [=====] - 1s 3ms/step - loss: 16.1059 -
 auc_114: 0.5040 - val_loss: 5.7404 - val_auc_114: 0.5007
 Epoch 506/700
 267/267 [=====] - 1s 3ms/step - loss: 19.2953 -
 auc_114: 0.4997 - val_loss: 12.7023 - val_auc_114: 0.5016
 Epoch 507/700
 267/267 [=====] - 1s 3ms/step - loss: 18.2308 -
 auc_114: 0.5027 - val_loss: 19.1724 - val_auc_114: 0.5087
 Epoch 508/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2850 -
 auc_114: 0.5053 - val_loss: 34.7416 - val_auc_114: 0.5066
 Epoch 509/700

267/267 [=====] - 1s 3ms/step - loss: 19.6714 -
auc_114: 0.5019 - val_loss: 26.8691 - val_auc_114: 0.5012
Epoch 510/700
267/267 [=====] - 1s 3ms/step - loss: 21.8727 -
auc_114: 0.4989 - val_loss: 44.0349 - val_auc_114: 0.5060
Epoch 511/700
267/267 [=====] - 1s 3ms/step - loss: 21.0581 -
auc_114: 0.5012 - val_loss: 15.1486 - val_auc_114: 0.5085
Epoch 512/700
267/267 [=====] - 1s 3ms/step - loss: 24.9243 -
auc_114: 0.5041 - val_loss: 43.0766 - val_auc_114: 0.5062
Epoch 513/700
267/267 [=====] - 1s 3ms/step - loss: 21.8581 -
auc_114: 0.5016 - val_loss: 14.1204 - val_auc_114: 0.4962
Epoch 514/700
267/267 [=====] - 1s 3ms/step - loss: 20.7121 -
auc_114: 0.5023 - val_loss: 47.6866 - val_auc_114: 0.4992
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 20.5317 -
auc_114: 0.5020 - val_loss: 8.3438 - val_auc_114: 0.4919
Epoch 516/700
267/267 [=====] - 1s 3ms/step - loss: 20.8029 -
auc_114: 0.5040 - val_loss: 15.0556 - val_auc_114: 0.5072
Epoch 517/700
267/267 [=====] - 1s 3ms/step - loss: 17.6285 -
auc_114: 0.5012 - val_loss: 8.3212 - val_auc_114: 0.4926
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 19.9675 -
auc_114: 0.4984 - val_loss: 7.1095 - val_auc_114: 0.4879
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 19.2791 -
auc_114: 0.5028 - val_loss: 17.8635 - val_auc_114: 0.4968
Epoch 520/700
267/267 [=====] - 1s 3ms/step - loss: 19.5036 -
auc_114: 0.5041 - val_loss: 24.2828 - val_auc_114: 0.4947
Epoch 521/700
267/267 [=====] - 1s 3ms/step - loss: 20.2737 -
auc_114: 0.5044 - val_loss: 34.4457 - val_auc_114: 0.5001
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 19.3646 -
auc_114: 0.4981 - val_loss: 14.0572 - val_auc_114: 0.5046
Epoch 523/700
267/267 [=====] - 1s 3ms/step - loss: 24.3500 -
auc_114: 0.5032 - val_loss: 28.8450 - val_auc_114: 0.4919
Epoch 524/700
267/267 [=====] - 1s 3ms/step - loss: 21.1337 -
auc_114: 0.5017 - val_loss: 27.3874 - val_auc_114: 0.5061
Epoch 525/700

267/267 [=====] - 1s 3ms/step - loss: 21.5273 -
 auc_114: 0.4967 - val_loss: 21.8362 - val_auc_114: 0.4998
 Epoch 526/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4532 -
 auc_114: 0.4988 - val_loss: 11.8289 - val_auc_114: 0.5156
 Epoch 527/700
 267/267 [=====] - 1s 3ms/step - loss: 19.7226 -
 auc_114: 0.5014 - val_loss: 16.3019 - val_auc_114: 0.5046
 Epoch 528/700
 267/267 [=====] - 1s 3ms/step - loss: 23.2058 -
 auc_114: 0.5023 - val_loss: 20.0181 - val_auc_114: 0.5157
 Epoch 529/700
 267/267 [=====] - 1s 3ms/step - loss: 15.4668 -
 auc_114: 0.5035 - val_loss: 21.6985 - val_auc_114: 0.5062
 Epoch 530/700
 267/267 [=====] - 1s 3ms/step - loss: 14.8217 -
 auc_114: 0.5035 - val_loss: 16.4687 - val_auc_114: 0.5013
 Epoch 531/700
 267/267 [=====] - 1s 3ms/step - loss: 17.8858 -
 auc_114: 0.5010 - val_loss: 20.6574 - val_auc_114: 0.4992
 Epoch 532/700
 267/267 [=====] - 1s 4ms/step - loss: 19.6695 -
 auc_114: 0.5002 - val_loss: 26.6300 - val_auc_114: 0.5078
 Epoch 533/700
 267/267 [=====] - 1s 3ms/step - loss: 17.2087 -
 auc_114: 0.5062 - val_loss: 7.3065 - val_auc_114: 0.4936
 Epoch 534/700
 267/267 [=====] - 1s 3ms/step - loss: 17.1918 -
 auc_114: 0.5042 - val_loss: 17.9041 - val_auc_114: 0.4933
 Epoch 535/700
 267/267 [=====] - 1s 3ms/step - loss: 20.7599 -
 auc_114: 0.5022 - val_loss: 15.0539 - val_auc_114: 0.5060
 Epoch 536/700
 267/267 [=====] - 1s 3ms/step - loss: 18.4789 -
 auc_114: 0.5042 - val_loss: 5.5132 - val_auc_114: 0.4990
 Epoch 537/700
 267/267 [=====] - 1s 3ms/step - loss: 18.2536 -
 auc_114: 0.5040 - val_loss: 21.0057 - val_auc_114: 0.5109
 Epoch 538/700
 267/267 [=====] - 1s 3ms/step - loss: 22.3416 -
 auc_114: 0.5020 - val_loss: 11.5761 - val_auc_114: 0.5012
 Epoch 539/700
 267/267 [=====] - 1s 3ms/step - loss: 22.6989 -
 auc_114: 0.5044 - val_loss: 8.9260 - val_auc_114: 0.4954
 Epoch 540/700
 267/267 [=====] - 1s 3ms/step - loss: 18.9965 -
 auc_114: 0.5022 - val_loss: 15.9346 - val_auc_114: 0.5006
 Epoch 541/700

267/267 [=====] - 1s 3ms/step - loss: 19.5519 -
auc_114: 0.5029 - val_loss: 20.5389 - val_auc_114: 0.5014
Epoch 542/700
267/267 [=====] - 1s 3ms/step - loss: 21.8433 -
auc_114: 0.4961 - val_loss: 13.0462 - val_auc_114: 0.4968
Epoch 543/700
267/267 [=====] - 1s 3ms/step - loss: 20.8558 -
auc_114: 0.5025 - val_loss: 45.0113 - val_auc_114: 0.5066
Epoch 544/700
267/267 [=====] - 1s 3ms/step - loss: 19.5398 -
auc_114: 0.4987 - val_loss: 16.6819 - val_auc_114: 0.4897
Epoch 545/700
267/267 [=====] - 1s 3ms/step - loss: 20.8491 -
auc_114: 0.5053 - val_loss: 10.4914 - val_auc_114: 0.5028
Epoch 546/700
267/267 [=====] - 1s 3ms/step - loss: 15.9549 -
auc_114: 0.5041 - val_loss: 12.4100 - val_auc_114: 0.5022
Epoch 547/700
267/267 [=====] - 1s 3ms/step - loss: 23.2507 -
auc_114: 0.5009 - val_loss: 18.1378 - val_auc_114: 0.4949
Epoch 548/700
267/267 [=====] - 1s 3ms/step - loss: 18.2401 -
auc_114: 0.4982 - val_loss: 19.6593 - val_auc_114: 0.5078
Epoch 549/700
267/267 [=====] - 1s 3ms/step - loss: 18.0045 -
auc_114: 0.5011 - val_loss: 18.7149 - val_auc_114: 0.4959
Epoch 550/700
267/267 [=====] - 1s 3ms/step - loss: 19.5742 -
auc_114: 0.5002 - val_loss: 19.0542 - val_auc_114: 0.5014
Epoch 551/700
267/267 [=====] - 1s 3ms/step - loss: 20.0771 -
auc_114: 0.4999 - val_loss: 13.2331 - val_auc_114: 0.4915
Epoch 552/700
267/267 [=====] - 1s 3ms/step - loss: 20.8975 -
auc_114: 0.5049 - val_loss: 13.8441 - val_auc_114: 0.5100
Epoch 553/700
267/267 [=====] - 1s 3ms/step - loss: 18.8409 -
auc_114: 0.4988 - val_loss: 13.8134 - val_auc_114: 0.5009
Epoch 554/700
267/267 [=====] - 1s 3ms/step - loss: 22.4177 -
auc_114: 0.5026 - val_loss: 29.0571 - val_auc_114: 0.4865
Epoch 555/700
267/267 [=====] - 1s 3ms/step - loss: 19.0014 -
auc_114: 0.5034 - val_loss: 15.3320 - val_auc_114: 0.4882
Epoch 556/700
267/267 [=====] - 1s 3ms/step - loss: 17.8870 -
auc_114: 0.5057 - val_loss: 11.5239 - val_auc_114: 0.4892
Epoch 557/700

267/267 [=====] - 1s 3ms/step - loss: 18.4963 -
 auc_114: 0.4993 - val_loss: 13.5480 - val_auc_114: 0.5050
 Epoch 558/700
 267/267 [=====] - 1s 3ms/step - loss: 18.6577 -
 auc_114: 0.5031 - val_loss: 26.9473 - val_auc_114: 0.5038
 Epoch 559/700
 267/267 [=====] - 1s 3ms/step - loss: 23.2945 -
 auc_114: 0.4994 - val_loss: 15.7017 - val_auc_114: 0.5046
 Epoch 560/700
 267/267 [=====] - 1s 3ms/step - loss: 17.6771 -
 auc_114: 0.5040 - val_loss: 21.6010 - val_auc_114: 0.5040
 Epoch 561/700
 267/267 [=====] - 1s 3ms/step - loss: 18.9094 -
 auc_114: 0.5050 - val_loss: 17.6353 - val_auc_114: 0.5006
 Epoch 562/700
 267/267 [=====] - 1s 3ms/step - loss: 23.0046 -
 auc_114: 0.5031 - val_loss: 17.3073 - val_auc_114: 0.5035
 Epoch 563/700
 267/267 [=====] - 1s 3ms/step - loss: 17.4710 -
 auc_114: 0.5056 - val_loss: 24.5880 - val_auc_114: 0.5055
 Epoch 564/700
 267/267 [=====] - 1s 3ms/step - loss: 21.8664 -
 auc_114: 0.5009 - val_loss: 16.7144 - val_auc_114: 0.5005
 Epoch 565/700
 267/267 [=====] - 1s 3ms/step - loss: 20.3749 -
 auc_114: 0.4993 - val_loss: 12.8495 - val_auc_114: 0.5123
 Epoch 566/700
 267/267 [=====] - 1s 3ms/step - loss: 14.2467 -
 auc_114: 0.5022 - val_loss: 9.6824 - val_auc_114: 0.4938
 Epoch 567/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2382 -
 auc_114: 0.4988 - val_loss: 21.6772 - val_auc_114: 0.5144
 Epoch 568/700
 267/267 [=====] - 1s 3ms/step - loss: 16.1053 -
 auc_114: 0.5034 - val_loss: 6.4382 - val_auc_114: 0.5078
 Epoch 569/700
 267/267 [=====] - 1s 3ms/step - loss: 22.7638 -
 auc_114: 0.5001 - val_loss: 52.5421 - val_auc_114: 0.5039
 Epoch 570/700
 267/267 [=====] - 1s 3ms/step - loss: 20.6185 -
 auc_114: 0.5012 - val_loss: 8.9893 - val_auc_114: 0.5102
 Epoch 571/700
 267/267 [=====] - 1s 3ms/step - loss: 17.7574 -
 auc_114: 0.5041 - val_loss: 18.9981 - val_auc_114: 0.5153
 Epoch 572/700
 267/267 [=====] - 1s 3ms/step - loss: 20.0523 -
 auc_114: 0.5025 - val_loss: 28.3849 - val_auc_114: 0.5081
 Epoch 573/700

267/267 [=====] - 1s 3ms/step - loss: 19.6658 -
auc_114: 0.5065 - val_loss: 21.3337 - val_auc_114: 0.5025
Epoch 574/700
267/267 [=====] - 1s 3ms/step - loss: 18.9392 -
auc_114: 0.5031 - val_loss: 37.6943 - val_auc_114: 0.4948
Epoch 575/700
267/267 [=====] - 1s 3ms/step - loss: 16.2756 -
auc_114: 0.5022 - val_loss: 8.4346 - val_auc_114: 0.5077
Epoch 576/700
267/267 [=====] - 1s 3ms/step - loss: 20.7437 -
auc_114: 0.4999 - val_loss: 12.0433 - val_auc_114: 0.4912
Epoch 577/700
267/267 [=====] - 1s 3ms/step - loss: 21.0012 -
auc_114: 0.4996 - val_loss: 7.3269 - val_auc_114: 0.5079
Epoch 578/700
267/267 [=====] - 1s 3ms/step - loss: 20.9274 -
auc_114: 0.5056 - val_loss: 26.0538 - val_auc_114: 0.4889
Epoch 579/700
267/267 [=====] - 1s 3ms/step - loss: 24.3814 -
auc_114: 0.5005 - val_loss: 6.1901 - val_auc_114: 0.4975
Epoch 580/700
267/267 [=====] - 1s 3ms/step - loss: 23.4508 -
auc_114: 0.5003 - val_loss: 14.1781 - val_auc_114: 0.5130
Epoch 581/700
267/267 [=====] - 1s 3ms/step - loss: 20.4229 -
auc_114: 0.5020 - val_loss: 35.4442 - val_auc_114: 0.4996
Epoch 582/700
267/267 [=====] - 1s 3ms/step - loss: 17.1949 -
auc_114: 0.5038 - val_loss: 20.3455 - val_auc_114: 0.4971
Epoch 583/700
267/267 [=====] - 1s 3ms/step - loss: 19.6339 -
auc_114: 0.5033 - val_loss: 12.2224 - val_auc_114: 0.4893
Epoch 584/700
267/267 [=====] - 1s 3ms/step - loss: 21.9700 -
auc_114: 0.5003 - val_loss: 45.6013 - val_auc_114: 0.4853
Epoch 585/700
267/267 [=====] - 1s 3ms/step - loss: 22.6612 -
auc_114: 0.5023 - val_loss: 15.8053 - val_auc_114: 0.5008
Epoch 586/700
267/267 [=====] - 1s 3ms/step - loss: 20.4534 -
auc_114: 0.5019 - val_loss: 13.1116 - val_auc_114: 0.4959
Epoch 587/700
267/267 [=====] - 1s 3ms/step - loss: 20.6315 -
auc_114: 0.5002 - val_loss: 25.3201 - val_auc_114: 0.4978
Epoch 588/700
267/267 [=====] - 1s 3ms/step - loss: 23.4255 -
auc_114: 0.5001 - val_loss: 36.2968 - val_auc_114: 0.4995
Epoch 589/700

267/267 [=====] - 1s 3ms/step - loss: 15.7673 -
auc_114: 0.5052 - val_loss: 4.6123 - val_auc_114: 0.4971
Epoch 590/700
267/267 [=====] - 1s 3ms/step - loss: 18.1746 -
auc_114: 0.5043 - val_loss: 13.2576 - val_auc_114: 0.5085
Epoch 591/700
267/267 [=====] - 1s 3ms/step - loss: 19.1378 -
auc_114: 0.4987 - val_loss: 25.5641 - val_auc_114: 0.4921
Epoch 592/700
267/267 [=====] - 1s 3ms/step - loss: 18.4492 -
auc_114: 0.5044 - val_loss: 12.8417 - val_auc_114: 0.4923
Epoch 593/700
267/267 [=====] - 1s 3ms/step - loss: 18.9758 -
auc_114: 0.5030 - val_loss: 23.1960 - val_auc_114: 0.5017
Epoch 594/700
267/267 [=====] - 1s 3ms/step - loss: 17.8953 -
auc_114: 0.5055 - val_loss: 20.3911 - val_auc_114: 0.4843
Epoch 595/700
267/267 [=====] - 1s 3ms/step - loss: 16.4199 -
auc_114: 0.5007 - val_loss: 16.6908 - val_auc_114: 0.5119
Epoch 596/700
267/267 [=====] - 1s 3ms/step - loss: 21.3334 -
auc_114: 0.5075 - val_loss: 15.7834 - val_auc_114: 0.5070
Epoch 597/700
267/267 [=====] - 1s 3ms/step - loss: 15.5173 -
auc_114: 0.5008 - val_loss: 28.1474 - val_auc_114: 0.5084
Epoch 598/700
267/267 [=====] - 1s 3ms/step - loss: 18.1147 -
auc_114: 0.5038 - val_loss: 11.4402 - val_auc_114: 0.5054
Epoch 599/700
267/267 [=====] - 1s 3ms/step - loss: 18.0300 -
auc_114: 0.5004 - val_loss: 23.8249 - val_auc_114: 0.5073
Epoch 600/700
267/267 [=====] - 1s 3ms/step - loss: 16.5258 -
auc_114: 0.5071 - val_loss: 23.0835 - val_auc_114: 0.4977
Epoch 601/700
267/267 [=====] - 1s 3ms/step - loss: 18.2555 -
auc_114: 0.5034 - val_loss: 8.6699 - val_auc_114: 0.4974
Epoch 602/700
267/267 [=====] - 1s 3ms/step - loss: 25.0188 -
auc_114: 0.5026 - val_loss: 10.1404 - val_auc_114: 0.4950
Epoch 603/700
267/267 [=====] - 1s 3ms/step - loss: 22.8638 -
auc_114: 0.5016 - val_loss: 21.6678 - val_auc_114: 0.4984
Epoch 604/700
267/267 [=====] - 1s 3ms/step - loss: 19.9030 -
auc_114: 0.5026 - val_loss: 13.7110 - val_auc_114: 0.5122
Epoch 605/700

267/267 [=====] - 1s 3ms/step - loss: 23.5897 -
auc_114: 0.5047 - val_loss: 27.1236 - val_auc_114: 0.4823
Epoch 606/700
267/267 [=====] - 1s 3ms/step - loss: 17.0123 -
auc_114: 0.5021 - val_loss: 9.5774 - val_auc_114: 0.5044
Epoch 607/700
267/267 [=====] - 1s 3ms/step - loss: 23.9287 -
auc_114: 0.5018 - val_loss: 28.3894 - val_auc_114: 0.4982
Epoch 608/700
267/267 [=====] - 1s 3ms/step - loss: 18.9491 -
auc_114: 0.5034 - val_loss: 16.7013 - val_auc_114: 0.5103
Epoch 609/700
267/267 [=====] - 1s 3ms/step - loss: 19.4803 -
auc_114: 0.5005 - val_loss: 25.6067 - val_auc_114: 0.4862
Epoch 610/700
267/267 [=====] - 1s 3ms/step - loss: 19.1886 -
auc_114: 0.5000 - val_loss: 22.2111 - val_auc_114: 0.4967
Epoch 611/700
267/267 [=====] - 1s 3ms/step - loss: 24.2516 -
auc_114: 0.5023 - val_loss: 24.6552 - val_auc_114: 0.5106
Epoch 612/700
267/267 [=====] - 1s 3ms/step - loss: 16.6995 -
auc_114: 0.5034 - val_loss: 26.0478 - val_auc_114: 0.4892
Epoch 613/700
267/267 [=====] - 1s 3ms/step - loss: 16.9449 -
auc_114: 0.5029 - val_loss: 28.1184 - val_auc_114: 0.5064
Epoch 614/700
267/267 [=====] - 1s 3ms/step - loss: 21.9186 -
auc_114: 0.5027 - val_loss: 23.5121 - val_auc_114: 0.5009
Epoch 615/700
267/267 [=====] - 1s 3ms/step - loss: 21.2258 -
auc_114: 0.5028 - val_loss: 20.5512 - val_auc_114: 0.5005
Epoch 616/700
267/267 [=====] - 1s 3ms/step - loss: 16.5661 -
auc_114: 0.5014 - val_loss: 16.9424 - val_auc_114: 0.4996
Epoch 617/700
267/267 [=====] - 1s 3ms/step - loss: 24.1704 -
auc_114: 0.5024 - val_loss: 13.7568 - val_auc_114: 0.5020
Epoch 618/700
267/267 [=====] - 1s 3ms/step - loss: 19.0605 -
auc_114: 0.5046 - val_loss: 30.8218 - val_auc_114: 0.5106
Epoch 619/700
267/267 [=====] - 1s 3ms/step - loss: 26.0302 -
auc_114: 0.5005 - val_loss: 17.3305 - val_auc_114: 0.4888
Epoch 620/700
267/267 [=====] - 1s 3ms/step - loss: 25.1637 -
auc_114: 0.5036 - val_loss: 32.9636 - val_auc_114: 0.4954
Epoch 621/700

267/267 [=====] - 1s 3ms/step - loss: 17.8233 -
 auc_114: 0.5028 - val_loss: 14.4446 - val_auc_114: 0.4896
 Epoch 622/700
 267/267 [=====] - 1s 3ms/step - loss: 17.6089 -
 auc_114: 0.5019 - val_loss: 10.2456 - val_auc_114: 0.5096
 Epoch 623/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8263 -
 auc_114: 0.5021 - val_loss: 18.7116 - val_auc_114: 0.5000
 Epoch 624/700
 267/267 [=====] - 1s 3ms/step - loss: 17.9396 -
 auc_114: 0.5015 - val_loss: 7.9882 - val_auc_114: 0.4891
 Epoch 625/700
 267/267 [=====] - 1s 3ms/step - loss: 16.7831 -
 auc_114: 0.5046 - val_loss: 17.1188 - val_auc_114: 0.5000
 Epoch 626/700
 267/267 [=====] - 1s 3ms/step - loss: 16.3656 -
 auc_114: 0.5051 - val_loss: 13.9510 - val_auc_114: 0.4925
 Epoch 627/700
 267/267 [=====] - 1s 3ms/step - loss: 20.0680 -
 auc_114: 0.5001 - val_loss: 24.9908 - val_auc_114: 0.5027
 Epoch 628/700
 267/267 [=====] - 1s 3ms/step - loss: 18.5262 -
 auc_114: 0.5045 - val_loss: 7.9354 - val_auc_114: 0.5009
 Epoch 629/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1078 -
 auc_114: 0.4995 - val_loss: 18.1253 - val_auc_114: 0.5005
 Epoch 630/700
 267/267 [=====] - 1s 3ms/step - loss: 16.1456 -
 auc_114: 0.5023 - val_loss: 13.2909 - val_auc_114: 0.5009
 Epoch 631/700
 267/267 [=====] - 1s 3ms/step - loss: 22.0059 -
 auc_114: 0.5029 - val_loss: 9.7205 - val_auc_114: 0.5008
 Epoch 632/700
 267/267 [=====] - 1s 3ms/step - loss: 21.2533 -
 auc_114: 0.4995 - val_loss: 12.5537 - val_auc_114: 0.5000
 Epoch 633/700
 267/267 [=====] - 1s 3ms/step - loss: 20.8018 -
 auc_114: 0.5061 - val_loss: 23.1185 - val_auc_114: 0.5133
 Epoch 634/700
 267/267 [=====] - 1s 3ms/step - loss: 21.1845 -
 auc_114: 0.5013 - val_loss: 16.4217 - val_auc_114: 0.4987
 Epoch 635/700
 267/267 [=====] - 1s 3ms/step - loss: 17.2647 -
 auc_114: 0.5051 - val_loss: 18.0331 - val_auc_114: 0.5149
 Epoch 636/700
 267/267 [=====] - 1s 3ms/step - loss: 16.9538 -
 auc_114: 0.5028 - val_loss: 19.3313 - val_auc_114: 0.5088
 Epoch 637/700

267/267 [=====] - 1s 3ms/step - loss: 19.5146 -
auc_114: 0.4965 - val_loss: 28.0283 - val_auc_114: 0.4986
Epoch 638/700
267/267 [=====] - 1s 3ms/step - loss: 19.6999 -
auc_114: 0.5065 - val_loss: 11.2184 - val_auc_114: 0.4936
Epoch 639/700
267/267 [=====] - 1s 3ms/step - loss: 22.6076 -
auc_114: 0.5023 - val_loss: 37.9535 - val_auc_114: 0.5114
Epoch 640/700
267/267 [=====] - 1s 3ms/step - loss: 18.3681 -
auc_114: 0.5005 - val_loss: 12.2407 - val_auc_114: 0.4900
Epoch 641/700
267/267 [=====] - 1s 3ms/step - loss: 22.2444 -
auc_114: 0.5021 - val_loss: 11.1232 - val_auc_114: 0.5071
Epoch 642/700
267/267 [=====] - 1s 3ms/step - loss: 16.2388 -
auc_114: 0.5014 - val_loss: 15.6360 - val_auc_114: 0.4938
Epoch 643/700
267/267 [=====] - 1s 3ms/step - loss: 25.9936 -
auc_114: 0.5014 - val_loss: 20.4017 - val_auc_114: 0.4981
Epoch 644/700
267/267 [=====] - 1s 3ms/step - loss: 20.5732 -
auc_114: 0.5004 - val_loss: 15.8018 - val_auc_114: 0.4952
Epoch 645/700
267/267 [=====] - 1s 3ms/step - loss: 20.5387 -
auc_114: 0.5016 - val_loss: 30.8979 - val_auc_114: 0.4966
Epoch 646/700
267/267 [=====] - 1s 3ms/step - loss: 21.3761 -
auc_114: 0.5061 - val_loss: 32.0058 - val_auc_114: 0.5035
Epoch 647/700
267/267 [=====] - 1s 3ms/step - loss: 24.1448 -
auc_114: 0.5026 - val_loss: 31.6252 - val_auc_114: 0.4999
Epoch 648/700
267/267 [=====] - 1s 3ms/step - loss: 19.8292 -
auc_114: 0.4991 - val_loss: 7.9430 - val_auc_114: 0.5017
Epoch 649/700
267/267 [=====] - 1s 3ms/step - loss: 24.9388 -
auc_114: 0.4990 - val_loss: 14.1721 - val_auc_114: 0.5024
Epoch 650/700
267/267 [=====] - 1s 3ms/step - loss: 19.2723 -
auc_114: 0.4999 - val_loss: 10.7219 - val_auc_114: 0.5081
Epoch 651/700
267/267 [=====] - 1s 3ms/step - loss: 15.9393 -
auc_114: 0.5011 - val_loss: 12.5417 - val_auc_114: 0.5097
Epoch 652/700
267/267 [=====] - 1s 3ms/step - loss: 19.8038 -
auc_114: 0.5020 - val_loss: 12.4815 - val_auc_114: 0.5043
Epoch 653/700

267/267 [=====] - 1s 3ms/step - loss: 24.0964 -
auc_114: 0.5022 - val_loss: 17.7247 - val_auc_114: 0.4916
Epoch 654/700
267/267 [=====] - 1s 3ms/step - loss: 17.7189 -
auc_114: 0.4997 - val_loss: 5.4680 - val_auc_114: 0.4966
Epoch 655/700
267/267 [=====] - 1s 3ms/step - loss: 21.9977 -
auc_114: 0.5000 - val_loss: 33.4528 - val_auc_114: 0.5136
Epoch 656/700
267/267 [=====] - 1s 3ms/step - loss: 21.4970 -
auc_114: 0.5015 - val_loss: 33.8716 - val_auc_114: 0.5065
Epoch 657/700
267/267 [=====] - 1s 3ms/step - loss: 21.8350 -
auc_114: 0.5036 - val_loss: 24.7712 - val_auc_114: 0.4944
Epoch 658/700
267/267 [=====] - 1s 3ms/step - loss: 23.0898 -
auc_114: 0.5048 - val_loss: 15.5846 - val_auc_114: 0.5029
Epoch 659/700
267/267 [=====] - 1s 3ms/step - loss: 19.7325 -
auc_114: 0.5040 - val_loss: 23.2715 - val_auc_114: 0.5127
Epoch 660/700
267/267 [=====] - 1s 3ms/step - loss: 15.5378 -
auc_114: 0.5026 - val_loss: 11.5908 - val_auc_114: 0.4842
Epoch 661/700
267/267 [=====] - 1s 3ms/step - loss: 17.6873 -
auc_114: 0.5016 - val_loss: 12.8410 - val_auc_114: 0.5080
Epoch 662/700
267/267 [=====] - 1s 3ms/step - loss: 19.0629 -
auc_114: 0.4987 - val_loss: 29.9062 - val_auc_114: 0.4968
Epoch 663/700
267/267 [=====] - 1s 3ms/step - loss: 17.5541 -
auc_114: 0.5045 - val_loss: 25.0975 - val_auc_114: 0.5105
Epoch 664/700
267/267 [=====] - 1s 3ms/step - loss: 21.4394 -
auc_114: 0.5028 - val_loss: 12.1269 - val_auc_114: 0.4922
Epoch 665/700
267/267 [=====] - 1s 3ms/step - loss: 19.6698 -
auc_114: 0.5022 - val_loss: 22.1857 - val_auc_114: 0.4932
Epoch 666/700
267/267 [=====] - 1s 3ms/step - loss: 22.9326 -
auc_114: 0.4990 - val_loss: 13.4351 - val_auc_114: 0.5057
Epoch 667/700
267/267 [=====] - 1s 3ms/step - loss: 21.2708 -
auc_114: 0.5014 - val_loss: 19.2276 - val_auc_114: 0.5016
Epoch 668/700
267/267 [=====] - 1s 3ms/step - loss: 19.1468 -
auc_114: 0.5009 - val_loss: 20.9731 - val_auc_114: 0.4982
Epoch 669/700

267/267 [=====] - 1s 3ms/step - loss: 22.3227 -
 auc_114: 0.5017 - val_loss: 9.9460 - val_auc_114: 0.5066
 Epoch 670/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8401 -
 auc_114: 0.5015 - val_loss: 17.0683 - val_auc_114: 0.5067
 Epoch 671/700
 267/267 [=====] - 1s 3ms/step - loss: 25.0792 -
 auc_114: 0.5026 - val_loss: 13.0964 - val_auc_114: 0.5056
 Epoch 672/700
 267/267 [=====] - 1s 3ms/step - loss: 17.7672 -
 auc_114: 0.5043 - val_loss: 18.4432 - val_auc_114: 0.5148
 Epoch 673/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5556 -
 auc_114: 0.5033 - val_loss: 8.4452 - val_auc_114: 0.4949
 Epoch 674/700
 267/267 [=====] - 1s 3ms/step - loss: 18.6372 -
 auc_114: 0.5013 - val_loss: 48.8764 - val_auc_114: 0.4942
 Epoch 675/700
 267/267 [=====] - 1s 3ms/step - loss: 15.9163 -
 auc_114: 0.5048 - val_loss: 14.8618 - val_auc_114: 0.4901
 Epoch 676/700
 267/267 [=====] - 1s 3ms/step - loss: 18.5993 -
 auc_114: 0.5044 - val_loss: 19.5497 - val_auc_114: 0.5058
 Epoch 677/700
 267/267 [=====] - 1s 3ms/step - loss: 21.7586 -
 auc_114: 0.5038 - val_loss: 13.7991 - val_auc_114: 0.4891
 Epoch 678/700
 267/267 [=====] - 1s 3ms/step - loss: 19.7289 -
 auc_114: 0.5005 - val_loss: 14.5051 - val_auc_114: 0.4986
 Epoch 679/700
 267/267 [=====] - 1s 3ms/step - loss: 20.4370 -
 auc_114: 0.5025 - val_loss: 23.1823 - val_auc_114: 0.4879
 Epoch 680/700
 267/267 [=====] - 1s 3ms/step - loss: 17.4201 -
 auc_114: 0.5014 - val_loss: 31.7498 - val_auc_114: 0.5003
 Epoch 681/700
 267/267 [=====] - 1s 3ms/step - loss: 18.0432 -
 auc_114: 0.5031 - val_loss: 43.3690 - val_auc_114: 0.4990
 Epoch 682/700
 267/267 [=====] - 1s 3ms/step - loss: 22.3552 -
 auc_114: 0.5024 - val_loss: 17.0969 - val_auc_114: 0.5013
 Epoch 683/700
 267/267 [=====] - 1s 3ms/step - loss: 20.3405 -
 auc_114: 0.5046 - val_loss: 19.7078 - val_auc_114: 0.5064
 Epoch 684/700
 267/267 [=====] - 1s 3ms/step - loss: 20.3671 -
 auc_114: 0.5033 - val_loss: 30.1704 - val_auc_114: 0.5046
 Epoch 685/700

267/267 [=====] - 1s 3ms/step - loss: 16.2974 -
auc_114: 0.5025 - val_loss: 17.9319 - val_auc_114: 0.5009
Epoch 686/700
267/267 [=====] - 1s 3ms/step - loss: 18.3896 -
auc_114: 0.5026 - val_loss: 21.9914 - val_auc_114: 0.4929
Epoch 687/700
267/267 [=====] - 1s 3ms/step - loss: 19.6423 -
auc_114: 0.5044 - val_loss: 34.9182 - val_auc_114: 0.5027
Epoch 688/700
267/267 [=====] - 1s 3ms/step - loss: 19.8597 -
auc_114: 0.5011 - val_loss: 7.5827 - val_auc_114: 0.4992
Epoch 689/700
267/267 [=====] - 1s 3ms/step - loss: 24.0943 -
auc_114: 0.5015 - val_loss: 23.3258 - val_auc_114: 0.5008
Epoch 690/700
267/267 [=====] - 1s 3ms/step - loss: 22.1610 -
auc_114: 0.5013 - val_loss: 13.5710 - val_auc_114: 0.4919
Epoch 691/700
267/267 [=====] - 1s 3ms/step - loss: 22.5447 -
auc_114: 0.5024 - val_loss: 21.9354 - val_auc_114: 0.5128
Epoch 692/700
267/267 [=====] - 1s 3ms/step - loss: 20.6605 -
auc_114: 0.5006 - val_loss: 26.1759 - val_auc_114: 0.5104
Epoch 693/700
267/267 [=====] - 1s 3ms/step - loss: 19.5115 -
auc_114: 0.5036 - val_loss: 23.3018 - val_auc_114: 0.5033
Epoch 694/700
267/267 [=====] - 1s 3ms/step - loss: 16.1389 -
auc_114: 0.5041 - val_loss: 7.9202 - val_auc_114: 0.4895
Epoch 695/700
267/267 [=====] - 1s 3ms/step - loss: 19.9315 -
auc_114: 0.5011 - val_loss: 10.6305 - val_auc_114: 0.5077
Epoch 696/700
267/267 [=====] - 1s 3ms/step - loss: 18.4793 -
auc_114: 0.5018 - val_loss: 31.9450 - val_auc_114: 0.5055
Epoch 697/700
267/267 [=====] - 1s 3ms/step - loss: 19.5901 -
auc_114: 0.5022 - val_loss: 16.9942 - val_auc_114: 0.4890
Epoch 698/700
267/267 [=====] - 1s 3ms/step - loss: 20.1530 -
auc_114: 0.5022 - val_loss: 7.2223 - val_auc_114: 0.4887
Epoch 699/700
267/267 [=====] - 1s 3ms/step - loss: 19.3492 -
auc_114: 0.5029 - val_loss: 17.8913 - val_auc_114: 0.5014
Epoch 700/700
267/267 [=====] - 1s 3ms/step - loss: 18.4824 -
auc_114: 0.5029 - val_loss: 11.7023 - val_auc_114: 0.5014
625/625 [=====] - 0s 561us/step

```

[CV] ... epochs=700, learning_rate=0.1, score=0.502, total= 9.2min
[CV] epochs=700, learning_rate=0.1 ...
Epoch 1/700
267/267 [=====] - 1s 4ms/step - loss: 20.9958 -
auc_115: 0.4974 - val_loss: 16.5238 - val_auc_115: 0.4995
Epoch 2/700
267/267 [=====] - 1s 3ms/step - loss: 21.9580 -
auc_115: 0.5017 - val_loss: 15.2249 - val_auc_115: 0.4952
Epoch 3/700
267/267 [=====] - 1s 3ms/step - loss: 18.0486 -
auc_115: 0.4998 - val_loss: 11.9735 - val_auc_115: 0.5123
Epoch 4/700
267/267 [=====] - 1s 3ms/step - loss: 18.7867 -
auc_115: 0.5040 - val_loss: 10.9136 - val_auc_115: 0.5015
Epoch 5/700
267/267 [=====] - 1s 3ms/step - loss: 20.2889 -
auc_115: 0.5027 - val_loss: 21.7332 - val_auc_115: 0.5011
Epoch 6/700
267/267 [=====] - 1s 3ms/step - loss: 20.9424 -
auc_115: 0.4990 - val_loss: 13.9135 - val_auc_115: 0.5003
Epoch 7/700
267/267 [=====] - 1s 3ms/step - loss: 18.4558 -
auc_115: 0.5015 - val_loss: 15.7540 - val_auc_115: 0.5105
Epoch 8/700
267/267 [=====] - 1s 3ms/step - loss: 20.5511 -
auc_115: 0.5005 - val_loss: 28.3616 - val_auc_115: 0.4882
Epoch 9/700
267/267 [=====] - 1s 3ms/step - loss: 21.1923 -
auc_115: 0.5032 - val_loss: 13.0059 - val_auc_115: 0.5134
Epoch 10/700
267/267 [=====] - 1s 3ms/step - loss: 19.6235 -
auc_115: 0.5062 - val_loss: 25.5525 - val_auc_115: 0.5060
Epoch 11/700
267/267 [=====] - 1s 3ms/step - loss: 23.4737 -
auc_115: 0.4969 - val_loss: 11.2221 - val_auc_115: 0.5069
Epoch 12/700
267/267 [=====] - 1s 3ms/step - loss: 21.1720 -
auc_115: 0.5086 - val_loss: 16.6738 - val_auc_115: 0.4900
Epoch 13/700
267/267 [=====] - 1s 3ms/step - loss: 17.7978 -
auc_115: 0.5055 - val_loss: 14.5236 - val_auc_115: 0.4857
Epoch 14/700
267/267 [=====] - 1s 3ms/step - loss: 20.9171 -
auc_115: 0.5049 - val_loss: 10.9022 - val_auc_115: 0.4965
Epoch 15/700
267/267 [=====] - 1s 3ms/step - loss: 19.2819 -
auc_115: 0.4999 - val_loss: 29.6189 - val_auc_115: 0.5118
Epoch 16/700

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267/267 [=====] - 1s 3ms/step - loss: 20.8597 -
auc_115: 0.5028 - val_loss: 8.9162 - val_auc_115: 0.5073
Epoch 17/700
267/267 [=====] - 1s 3ms/step - loss: 21.1991 -
auc_115: 0.5036 - val_loss: 14.9515 - val_auc_115: 0.5000
Epoch 18/700
267/267 [=====] - 1s 3ms/step - loss: 19.4673 -
auc_115: 0.5065 - val_loss: 21.4000 - val_auc_115: 0.4909
Epoch 19/700
267/267 [=====] - 1s 3ms/step - loss: 18.6202 -
auc_115: 0.5020 - val_loss: 17.4129 - val_auc_115: 0.5027
Epoch 20/700
267/267 [=====] - 1s 3ms/step - loss: 22.1890 -
auc_115: 0.5038 - val_loss: 19.4280 - val_auc_115: 0.4941
Epoch 21/700
267/267 [=====] - 1s 3ms/step - loss: 19.9383 -
auc_115: 0.5056 - val_loss: 14.8409 - val_auc_115: 0.5132
Epoch 22/700
267/267 [=====] - 1s 3ms/step - loss: 20.0645 -
auc_115: 0.5027 - val_loss: 17.4582 - val_auc_115: 0.5102
Epoch 23/700
267/267 [=====] - 1s 3ms/step - loss: 21.3368 -
auc_115: 0.5026 - val_loss: 15.0523 - val_auc_115: 0.5088
Epoch 24/700
267/267 [=====] - 1s 3ms/step - loss: 21.2950 -
auc_115: 0.4976 - val_loss: 14.8672 - val_auc_115: 0.4891
Epoch 25/700
267/267 [=====] - 1s 3ms/step - loss: 17.5879 -
auc_115: 0.5023 - val_loss: 11.0351 - val_auc_115: 0.5034
Epoch 26/700
267/267 [=====] - 1s 3ms/step - loss: 20.0144 -
auc_115: 0.5039 - val_loss: 25.3714 - val_auc_115: 0.5014
Epoch 27/700
267/267 [=====] - 1s 3ms/step - loss: 22.3283 -
auc_115: 0.5039 - val_loss: 61.1772 - val_auc_115: 0.5071
Epoch 28/700
267/267 [=====] - 1s 3ms/step - loss: 19.6214 -
auc_115: 0.5039 - val_loss: 17.7843 - val_auc_115: 0.4926
Epoch 29/700
267/267 [=====] - 1s 3ms/step - loss: 19.4154 -
auc_115: 0.5029 - val_loss: 24.8483 - val_auc_115: 0.5010
Epoch 30/700
267/267 [=====] - 1s 3ms/step - loss: 20.8453 -
auc_115: 0.5057 - val_loss: 25.2119 - val_auc_115: 0.5080
Epoch 31/700
267/267 [=====] - 1s 3ms/step - loss: 21.5352 -
auc_115: 0.5014 - val_loss: 32.1149 - val_auc_115: 0.5090
Epoch 32/700

267/267 [=====] - 1s 3ms/step - loss: 20.1643 -
auc_115: 0.5017 - val_loss: 32.2056 - val_auc_115: 0.4953
Epoch 33/700
267/267 [=====] - 1s 3ms/step - loss: 21.3862 -
auc_115: 0.5063 - val_loss: 17.9435 - val_auc_115: 0.5047
Epoch 34/700
267/267 [=====] - 1s 3ms/step - loss: 18.5400 -
auc_115: 0.4991 - val_loss: 18.0058 - val_auc_115: 0.5062
Epoch 35/700
267/267 [=====] - 1s 3ms/step - loss: 19.4132 -
auc_115: 0.5039 - val_loss: 7.9958 - val_auc_115: 0.4967
Epoch 36/700
267/267 [=====] - 1s 3ms/step - loss: 21.1965 -
auc_115: 0.5003 - val_loss: 19.8199 - val_auc_115: 0.4942
Epoch 37/700
267/267 [=====] - 1s 3ms/step - loss: 21.8752 -
auc_115: 0.5014 - val_loss: 12.4329 - val_auc_115: 0.4961
Epoch 38/700
267/267 [=====] - 1s 3ms/step - loss: 20.0553 -
auc_115: 0.5034 - val_loss: 17.7864 - val_auc_115: 0.4891
Epoch 39/700
267/267 [=====] - 1s 3ms/step - loss: 18.0843 -
auc_115: 0.5019 - val_loss: 10.5124 - val_auc_115: 0.5054
Epoch 40/700
267/267 [=====] - 1s 3ms/step - loss: 16.0786 -
auc_115: 0.5030 - val_loss: 14.3844 - val_auc_115: 0.5099
Epoch 41/700
267/267 [=====] - 1s 3ms/step - loss: 24.5798 -
auc_115: 0.5033 - val_loss: 25.0597 - val_auc_115: 0.4969
Epoch 42/700
267/267 [=====] - 1s 3ms/step - loss: 22.3371 -
auc_115: 0.5033 - val_loss: 8.7447 - val_auc_115: 0.5045
Epoch 43/700
267/267 [=====] - 1s 3ms/step - loss: 21.5869 -
auc_115: 0.4997 - val_loss: 10.1020 - val_auc_115: 0.5123
Epoch 44/700
267/267 [=====] - 1s 3ms/step - loss: 20.3034 -
auc_115: 0.5033 - val_loss: 21.3732 - val_auc_115: 0.5013
Epoch 45/700
267/267 [=====] - 1s 3ms/step - loss: 19.0962 -
auc_115: 0.5037 - val_loss: 23.6186 - val_auc_115: 0.4946
Epoch 46/700
267/267 [=====] - 1s 3ms/step - loss: 23.7429 -
auc_115: 0.5045 - val_loss: 43.5434 - val_auc_115: 0.5079
Epoch 47/700
267/267 [=====] - 1s 3ms/step - loss: 17.9819 -
auc_115: 0.5041 - val_loss: 21.0143 - val_auc_115: 0.4984
Epoch 48/700

267/267 [=====] - 1s 3ms/step - loss: 22.5748 -
auc_115: 0.5041 - val_loss: 31.7307 - val_auc_115: 0.5118
Epoch 49/700
267/267 [=====] - 1s 3ms/step - loss: 17.4245 -
auc_115: 0.5017 - val_loss: 9.9280 - val_auc_115: 0.5034
Epoch 50/700
267/267 [=====] - 1s 3ms/step - loss: 19.2066 -
auc_115: 0.5028 - val_loss: 20.2941 - val_auc_115: 0.4963
Epoch 51/700
267/267 [=====] - 1s 3ms/step - loss: 21.7226 -
auc_115: 0.4989 - val_loss: 24.1765 - val_auc_115: 0.5099
Epoch 52/700
267/267 [=====] - 1s 3ms/step - loss: 19.6987 -
auc_115: 0.5034 - val_loss: 29.7212 - val_auc_115: 0.4948
Epoch 53/700
267/267 [=====] - 1s 3ms/step - loss: 19.8382 -
auc_115: 0.5003 - val_loss: 19.2454 - val_auc_115: 0.5117
Epoch 54/700
267/267 [=====] - 1s 3ms/step - loss: 21.2646 -
auc_115: 0.4946 - val_loss: 19.1124 - val_auc_115: 0.5040
Epoch 55/700
267/267 [=====] - 1s 3ms/step - loss: 21.6500 -
auc_115: 0.5023 - val_loss: 14.1458 - val_auc_115: 0.5063
Epoch 56/700
267/267 [=====] - 1s 3ms/step - loss: 18.1232 -
auc_115: 0.5044 - val_loss: 9.9299 - val_auc_115: 0.4898
Epoch 57/700
267/267 [=====] - 1s 3ms/step - loss: 17.8481 -
auc_115: 0.5042 - val_loss: 38.8061 - val_auc_115: 0.4983
Epoch 58/700
267/267 [=====] - 1s 3ms/step - loss: 20.5943 -
auc_115: 0.5006 - val_loss: 18.4934 - val_auc_115: 0.5132
Epoch 59/700
267/267 [=====] - 1s 3ms/step - loss: 17.4888 -
auc_115: 0.5037 - val_loss: 10.8237 - val_auc_115: 0.5056
Epoch 60/700
267/267 [=====] - 1s 3ms/step - loss: 17.7096 -
auc_115: 0.5028 - val_loss: 23.3656 - val_auc_115: 0.4957
Epoch 61/700
267/267 [=====] - 1s 3ms/step - loss: 20.8791 -
auc_115: 0.5023 - val_loss: 30.8311 - val_auc_115: 0.5030
Epoch 62/700
267/267 [=====] - 1s 3ms/step - loss: 25.7266 -
auc_115: 0.5034 - val_loss: 14.9618 - val_auc_115: 0.5121
Epoch 63/700
267/267 [=====] - 1s 3ms/step - loss: 17.8411 -
auc_115: 0.5049 - val_loss: 7.5658 - val_auc_115: 0.5073
Epoch 64/700

267/267 [=====] - 1s 3ms/step - loss: 19.0056 -
auc_115: 0.4992 - val_loss: 19.5605 - val_auc_115: 0.5036
Epoch 65/700
267/267 [=====] - 1s 3ms/step - loss: 19.3360 -
auc_115: 0.5036 - val_loss: 14.1283 - val_auc_115: 0.5093
Epoch 66/700
267/267 [=====] - 1s 3ms/step - loss: 19.6403 -
auc_115: 0.5020 - val_loss: 16.6891 - val_auc_115: 0.4953
Epoch 67/700
267/267 [=====] - 1s 3ms/step - loss: 21.0241 -
auc_115: 0.5013 - val_loss: 24.2162 - val_auc_115: 0.4977
Epoch 68/700
267/267 [=====] - 1s 3ms/step - loss: 20.9953 -
auc_115: 0.5015 - val_loss: 9.8679 - val_auc_115: 0.4978
Epoch 69/700
267/267 [=====] - 1s 3ms/step - loss: 21.2995 -
auc_115: 0.5005 - val_loss: 19.1373 - val_auc_115: 0.5003
Epoch 70/700
267/267 [=====] - 1s 3ms/step - loss: 17.7426 -
auc_115: 0.5030 - val_loss: 19.0637 - val_auc_115: 0.4918
Epoch 71/700
267/267 [=====] - 1s 3ms/step - loss: 18.1849 -
auc_115: 0.5035 - val_loss: 20.5618 - val_auc_115: 0.5096
Epoch 72/700
267/267 [=====] - 1s 3ms/step - loss: 20.9894 -
auc_115: 0.5058 - val_loss: 13.9305 - val_auc_115: 0.4963
Epoch 73/700
267/267 [=====] - 1s 3ms/step - loss: 17.9911 -
auc_115: 0.5001 - val_loss: 20.4481 - val_auc_115: 0.5038
Epoch 74/700
267/267 [=====] - 1s 3ms/step - loss: 16.6173 -
auc_115: 0.5060 - val_loss: 22.2843 - val_auc_115: 0.5107
Epoch 75/700
267/267 [=====] - 1s 3ms/step - loss: 18.4323 -
auc_115: 0.5009 - val_loss: 24.9515 - val_auc_115: 0.5083
Epoch 76/700
267/267 [=====] - 1s 3ms/step - loss: 17.1457 -
auc_115: 0.5042 - val_loss: 9.1948 - val_auc_115: 0.5088
Epoch 77/700
267/267 [=====] - 1s 3ms/step - loss: 20.1210 -
auc_115: 0.5022 - val_loss: 12.7026 - val_auc_115: 0.4930
Epoch 78/700
267/267 [=====] - 1s 3ms/step - loss: 17.4964 -
auc_115: 0.5025 - val_loss: 12.2398 - val_auc_115: 0.4983
Epoch 79/700
267/267 [=====] - 1s 3ms/step - loss: 20.3254 -
auc_115: 0.5022 - val_loss: 18.3959 - val_auc_115: 0.4904
Epoch 80/700

267/267 [=====] - 1s 3ms/step - loss: 19.4615 -
auc_115: 0.5022 - val_loss: 21.7265 - val_auc_115: 0.4880
Epoch 81/700
267/267 [=====] - 1s 3ms/step - loss: 22.0024 -
auc_115: 0.5020 - val_loss: 15.1172 - val_auc_115: 0.5023
Epoch 82/700
267/267 [=====] - 1s 3ms/step - loss: 20.3927 -
auc_115: 0.5011 - val_loss: 15.1438 - val_auc_115: 0.5023
Epoch 83/700
267/267 [=====] - 1s 3ms/step - loss: 19.4449 -
auc_115: 0.5017 - val_loss: 22.8582 - val_auc_115: 0.5013
Epoch 84/700
267/267 [=====] - 1s 3ms/step - loss: 17.7636 -
auc_115: 0.5048 - val_loss: 23.2115 - val_auc_115: 0.5067
Epoch 85/700
267/267 [=====] - 1s 3ms/step - loss: 23.2090 -
auc_115: 0.5021 - val_loss: 11.9955 - val_auc_115: 0.4863
Epoch 86/700
267/267 [=====] - 1s 3ms/step - loss: 18.5381 -
auc_115: 0.5035 - val_loss: 7.1192 - val_auc_115: 0.4880
Epoch 87/700
267/267 [=====] - 1s 3ms/step - loss: 18.5386 -
auc_115: 0.5059 - val_loss: 12.7652 - val_auc_115: 0.5055
Epoch 88/700
267/267 [=====] - 1s 3ms/step - loss: 21.8140 -
auc_115: 0.5011 - val_loss: 17.5687 - val_auc_115: 0.4994
Epoch 89/700
267/267 [=====] - 1s 3ms/step - loss: 20.9509 -
auc_115: 0.5039 - val_loss: 13.5983 - val_auc_115: 0.5025
Epoch 90/700
267/267 [=====] - 1s 3ms/step - loss: 19.0740 -
auc_115: 0.5006 - val_loss: 15.4559 - val_auc_115: 0.4996
Epoch 91/700
267/267 [=====] - 1s 3ms/step - loss: 16.6391 -
auc_115: 0.5019 - val_loss: 7.9529 - val_auc_115: 0.5105
Epoch 92/700
267/267 [=====] - 1s 3ms/step - loss: 15.7960 -
auc_115: 0.5024 - val_loss: 25.8059 - val_auc_115: 0.4921
Epoch 93/700
267/267 [=====] - 1s 3ms/step - loss: 21.1388 -
auc_115: 0.5040 - val_loss: 6.6884 - val_auc_115: 0.4942
Epoch 94/700
267/267 [=====] - 1s 3ms/step - loss: 19.4842 -
auc_115: 0.5019 - val_loss: 12.1440 - val_auc_115: 0.4927
Epoch 95/700
267/267 [=====] - 1s 3ms/step - loss: 18.7020 -
auc_115: 0.5004 - val_loss: 20.0484 - val_auc_115: 0.5094
Epoch 96/700

267/267 [=====] - 1s 3ms/step - loss: 18.6896 -
auc_115: 0.5045 - val_loss: 31.2515 - val_auc_115: 0.4985
Epoch 97/700
267/267 [=====] - 1s 3ms/step - loss: 19.7536 -
auc_115: 0.5013 - val_loss: 14.5879 - val_auc_115: 0.5023
Epoch 98/700
267/267 [=====] - 1s 3ms/step - loss: 19.2761 -
auc_115: 0.5037 - val_loss: 18.5303 - val_auc_115: 0.5118
Epoch 99/700
267/267 [=====] - 1s 3ms/step - loss: 17.4230 -
auc_115: 0.5039 - val_loss: 23.1768 - val_auc_115: 0.5015
Epoch 100/700
267/267 [=====] - 1s 3ms/step - loss: 20.7581 -
auc_115: 0.5012 - val_loss: 16.3688 - val_auc_115: 0.4850
Epoch 101/700
267/267 [=====] - 1s 3ms/step - loss: 19.1323 -
auc_115: 0.5033 - val_loss: 15.2359 - val_auc_115: 0.5009
Epoch 102/700
267/267 [=====] - 1s 3ms/step - loss: 22.6174 -
auc_115: 0.5039 - val_loss: 4.7145 - val_auc_115: 0.4878
Epoch 103/700
267/267 [=====] - 1s 3ms/step - loss: 19.4304 -
auc_115: 0.5025 - val_loss: 12.0317 - val_auc_115: 0.5016
Epoch 104/700
267/267 [=====] - 1s 3ms/step - loss: 21.7630 -
auc_115: 0.5045 - val_loss: 14.9283 - val_auc_115: 0.5064
Epoch 105/700
267/267 [=====] - 1s 3ms/step - loss: 15.7028 -
auc_115: 0.5036 - val_loss: 29.2912 - val_auc_115: 0.4944
Epoch 106/700
267/267 [=====] - 1s 3ms/step - loss: 23.5455 -
auc_115: 0.5024 - val_loss: 10.8932 - val_auc_115: 0.5044
Epoch 107/700
267/267 [=====] - 1s 3ms/step - loss: 20.5959 -
auc_115: 0.5028 - val_loss: 31.7609 - val_auc_115: 0.4967
Epoch 108/700
267/267 [=====] - 1s 3ms/step - loss: 19.3355 -
auc_115: 0.5009 - val_loss: 32.0264 - val_auc_115: 0.5028
Epoch 109/700
267/267 [=====] - 1s 3ms/step - loss: 18.5903 -
auc_115: 0.5021 - val_loss: 25.5741 - val_auc_115: 0.5023
Epoch 110/700
267/267 [=====] - 1s 3ms/step - loss: 22.2393 -
auc_115: 0.5019 - val_loss: 22.3620 - val_auc_115: 0.4875
Epoch 111/700
267/267 [=====] - 1s 3ms/step - loss: 19.2307 -
auc_115: 0.5023 - val_loss: 16.4082 - val_auc_115: 0.4962
Epoch 112/700

267/267 [=====] - 1s 3ms/step - loss: 19.8335 -
auc_115: 0.5055 - val_loss: 16.3426 - val_auc_115: 0.5131
Epoch 113/700
267/267 [=====] - 1s 3ms/step - loss: 23.4445 -
auc_115: 0.5051 - val_loss: 13.8717 - val_auc_115: 0.5151
Epoch 114/700
267/267 [=====] - 1s 3ms/step - loss: 18.2249 -
auc_115: 0.5001 - val_loss: 12.2988 - val_auc_115: 0.5073
Epoch 115/700
267/267 [=====] - 1s 3ms/step - loss: 21.7854 -
auc_115: 0.4993 - val_loss: 40.1167 - val_auc_115: 0.5097
Epoch 116/700
267/267 [=====] - 1s 3ms/step - loss: 19.4142 -
auc_115: 0.5057 - val_loss: 12.5491 - val_auc_115: 0.4960
Epoch 117/700
267/267 [=====] - 1s 3ms/step - loss: 22.8151 -
auc_115: 0.5045 - val_loss: 14.3474 - val_auc_115: 0.5015
Epoch 118/700
267/267 [=====] - 1s 3ms/step - loss: 18.4618 -
auc_115: 0.5043 - val_loss: 14.9317 - val_auc_115: 0.5005
Epoch 119/700
267/267 [=====] - 1s 3ms/step - loss: 21.1352 -
auc_115: 0.5050 - val_loss: 38.1242 - val_auc_115: 0.5096
Epoch 120/700
267/267 [=====] - 1s 3ms/step - loss: 24.4803 -
auc_115: 0.5044 - val_loss: 25.6289 - val_auc_115: 0.5078
Epoch 121/700
267/267 [=====] - 1s 3ms/step - loss: 17.7610 -
auc_115: 0.5004 - val_loss: 8.3178 - val_auc_115: 0.4912
Epoch 122/700
267/267 [=====] - 1s 3ms/step - loss: 15.9427 -
auc_115: 0.5025 - val_loss: 12.6950 - val_auc_115: 0.5017
Epoch 123/700
267/267 [=====] - 1s 3ms/step - loss: 20.4397 -
auc_115: 0.5010 - val_loss: 11.6011 - val_auc_115: 0.5036
Epoch 124/700
267/267 [=====] - 1s 3ms/step - loss: 20.1084 -
auc_115: 0.5020 - val_loss: 9.4670 - val_auc_115: 0.4994
Epoch 125/700
267/267 [=====] - 1s 3ms/step - loss: 17.0077 -
auc_115: 0.4994 - val_loss: 11.8010 - val_auc_115: 0.4975
Epoch 126/700
267/267 [=====] - 1s 3ms/step - loss: 22.2720 -
auc_115: 0.5033 - val_loss: 10.3266 - val_auc_115: 0.4860
Epoch 127/700
267/267 [=====] - 1s 3ms/step - loss: 20.6392 -
auc_115: 0.5004 - val_loss: 12.5764 - val_auc_115: 0.5078
Epoch 128/700

267/267 [=====] - 1s 3ms/step - loss: 19.5432 -
auc_115: 0.5018 - val_loss: 44.9336 - val_auc_115: 0.5050
Epoch 129/700
267/267 [=====] - 1s 3ms/step - loss: 26.9691 -
auc_115: 0.5036 - val_loss: 7.4494 - val_auc_115: 0.4886
Epoch 130/700
267/267 [=====] - 1s 3ms/step - loss: 15.9607 -
auc_115: 0.5058 - val_loss: 17.8371 - val_auc_115: 0.5041
Epoch 131/700
267/267 [=====] - 1s 3ms/step - loss: 23.1059 -
auc_115: 0.5013 - val_loss: 13.4151 - val_auc_115: 0.4932
Epoch 132/700
267/267 [=====] - 1s 3ms/step - loss: 17.9854 -
auc_115: 0.5034 - val_loss: 18.8722 - val_auc_115: 0.4980
Epoch 133/700
267/267 [=====] - 1s 3ms/step - loss: 21.1643 -
auc_115: 0.5043 - val_loss: 28.6231 - val_auc_115: 0.5070
Epoch 134/700
267/267 [=====] - 1s 3ms/step - loss: 18.6219 -
auc_115: 0.5049 - val_loss: 10.1814 - val_auc_115: 0.5077
Epoch 135/700
267/267 [=====] - 1s 3ms/step - loss: 20.1978 -
auc_115: 0.5047 - val_loss: 6.3335 - val_auc_115: 0.5103
Epoch 136/700
267/267 [=====] - 1s 3ms/step - loss: 17.6941 -
auc_115: 0.4994 - val_loss: 18.4691 - val_auc_115: 0.5076
Epoch 137/700
267/267 [=====] - 1s 3ms/step - loss: 24.5953 -
auc_115: 0.5020 - val_loss: 23.0499 - val_auc_115: 0.4959
Epoch 138/700
267/267 [=====] - 1s 3ms/step - loss: 22.9372 -
auc_115: 0.5008 - val_loss: 15.5065 - val_auc_115: 0.4935
Epoch 139/700
267/267 [=====] - 1s 3ms/step - loss: 21.8343 -
auc_115: 0.5046 - val_loss: 14.2747 - val_auc_115: 0.4935
Epoch 140/700
267/267 [=====] - 1s 3ms/step - loss: 18.8451 -
auc_115: 0.5022 - val_loss: 13.6792 - val_auc_115: 0.5074
Epoch 141/700
267/267 [=====] - 1s 3ms/step - loss: 17.3740 -
auc_115: 0.5009 - val_loss: 15.3170 - val_auc_115: 0.5051
Epoch 142/700
267/267 [=====] - 1s 3ms/step - loss: 25.4384 -
auc_115: 0.5031 - val_loss: 16.0322 - val_auc_115: 0.5088
Epoch 143/700
267/267 [=====] - 1s 3ms/step - loss: 20.2363 -
auc_115: 0.5032 - val_loss: 22.5196 - val_auc_115: 0.5045
Epoch 144/700

267/267 [=====] - 1s 3ms/step - loss: 21.8533 -
auc_115: 0.5020 - val_loss: 43.8254 - val_auc_115: 0.4967
Epoch 145/700
267/267 [=====] - 1s 3ms/step - loss: 19.3345 -
auc_115: 0.5027 - val_loss: 25.2549 - val_auc_115: 0.5010
Epoch 146/700
267/267 [=====] - 1s 3ms/step - loss: 20.6525 -
auc_115: 0.5015 - val_loss: 17.7711 - val_auc_115: 0.5077
Epoch 147/700
267/267 [=====] - 1s 3ms/step - loss: 15.6432 -
auc_115: 0.5010 - val_loss: 15.2357 - val_auc_115: 0.4954
Epoch 148/700
267/267 [=====] - 1s 3ms/step - loss: 23.3536 -
auc_115: 0.5019 - val_loss: 42.3824 - val_auc_115: 0.5040
Epoch 149/700
267/267 [=====] - 1s 3ms/step - loss: 23.3915 -
auc_115: 0.5024 - val_loss: 25.3605 - val_auc_115: 0.5014
Epoch 150/700
267/267 [=====] - 1s 3ms/step - loss: 20.1621 -
auc_115: 0.5049 - val_loss: 40.0128 - val_auc_115: 0.5073
Epoch 151/700
267/267 [=====] - 1s 3ms/step - loss: 23.7713 -
auc_115: 0.5021 - val_loss: 13.6642 - val_auc_115: 0.5009
Epoch 152/700
267/267 [=====] - 1s 3ms/step - loss: 19.5296 -
auc_115: 0.5088 - val_loss: 7.5415 - val_auc_115: 0.5111
Epoch 153/700
267/267 [=====] - 1s 3ms/step - loss: 19.1215 -
auc_115: 0.5027 - val_loss: 15.6585 - val_auc_115: 0.4967
Epoch 154/700
267/267 [=====] - 1s 3ms/step - loss: 17.6762 -
auc_115: 0.5027 - val_loss: 18.6654 - val_auc_115: 0.5041
Epoch 155/700
267/267 [=====] - 1s 3ms/step - loss: 19.3882 -
auc_115: 0.5034 - val_loss: 8.2573 - val_auc_115: 0.5114
Epoch 156/700
267/267 [=====] - 1s 3ms/step - loss: 20.9000 -
auc_115: 0.5040 - val_loss: 22.7239 - val_auc_115: 0.5055
Epoch 157/700
267/267 [=====] - 1s 3ms/step - loss: 22.7909 -
auc_115: 0.4985 - val_loss: 11.6000 - val_auc_115: 0.5000
Epoch 158/700
267/267 [=====] - 1s 3ms/step - loss: 19.4507 -
auc_115: 0.5032 - val_loss: 23.2902 - val_auc_115: 0.4865
Epoch 159/700
267/267 [=====] - 1s 3ms/step - loss: 20.2976 -
auc_115: 0.5020 - val_loss: 14.1760 - val_auc_115: 0.4974
Epoch 160/700

267/267 [=====] - 1s 3ms/step - loss: 20.4105 -
 auc_115: 0.5032 - val_loss: 18.5779 - val_auc_115: 0.4909
 Epoch 161/700
 267/267 [=====] - 1s 3ms/step - loss: 20.3384 -
 auc_115: 0.5022 - val_loss: 31.5671 - val_auc_115: 0.5103
 Epoch 162/700
 267/267 [=====] - 1s 3ms/step - loss: 25.7316 -
 auc_115: 0.5012 - val_loss: 23.6069 - val_auc_115: 0.5036
 Epoch 163/700
 267/267 [=====] - 1s 3ms/step - loss: 26.8611 -
 auc_115: 0.5051 - val_loss: 49.0630 - val_auc_115: 0.5082
 Epoch 164/700
 267/267 [=====] - 1s 3ms/step - loss: 19.3008 -
 auc_115: 0.5024 - val_loss: 15.5240 - val_auc_115: 0.5098
 Epoch 165/700
 267/267 [=====] - 1s 3ms/step - loss: 15.2910 -
 auc_115: 0.5024 - val_loss: 25.3183 - val_auc_115: 0.4949
 Epoch 166/700
 267/267 [=====] - 1s 3ms/step - loss: 21.3013 -
 auc_115: 0.5029 - val_loss: 22.6021 - val_auc_115: 0.4976
 Epoch 167/700
 267/267 [=====] - 1s 3ms/step - loss: 23.4250 -
 auc_115: 0.5023 - val_loss: 24.3047 - val_auc_115: 0.5010
 Epoch 168/700
 267/267 [=====] - 1s 3ms/step - loss: 16.3806 -
 auc_115: 0.5048 - val_loss: 15.4486 - val_auc_115: 0.4996
 Epoch 169/700
 267/267 [=====] - 1s 3ms/step - loss: 17.7597 -
 auc_115: 0.5037 - val_loss: 14.3298 - val_auc_115: 0.4985
 Epoch 170/700
 267/267 [=====] - 1s 3ms/step - loss: 20.0521 -
 auc_115: 0.5050 - val_loss: 22.0634 - val_auc_115: 0.5045
 Epoch 171/700
 267/267 [=====] - 1s 3ms/step - loss: 21.9950 -
 auc_115: 0.5052 - val_loss: 8.6193 - val_auc_115: 0.5133
 Epoch 172/700
 267/267 [=====] - 1s 3ms/step - loss: 19.7266 -
 auc_115: 0.5027 - val_loss: 25.6825 - val_auc_115: 0.4984
 Epoch 173/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0804 -
 auc_115: 0.5024 - val_loss: 26.8966 - val_auc_115: 0.5116
 Epoch 174/700
 267/267 [=====] - 1s 3ms/step - loss: 20.9693 -
 auc_115: 0.5034 - val_loss: 15.0691 - val_auc_115: 0.5052
 Epoch 175/700
 267/267 [=====] - 1s 3ms/step - loss: 17.5959 -
 auc_115: 0.5030 - val_loss: 24.3367 - val_auc_115: 0.5103
 Epoch 176/700

267/267 [=====] - 1s 3ms/step - loss: 15.9663 -
 auc_115: 0.5021 - val_loss: 30.9392 - val_auc_115: 0.4914
 Epoch 177/700
 267/267 [=====] - 1s 3ms/step - loss: 17.5737 -
 auc_115: 0.5056 - val_loss: 13.1175 - val_auc_115: 0.5084
 Epoch 178/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0758 -
 auc_115: 0.5015 - val_loss: 32.3454 - val_auc_115: 0.5067
 Epoch 179/700
 267/267 [=====] - 1s 3ms/step - loss: 20.5354 -
 auc_115: 0.5021 - val_loss: 9.4550 - val_auc_115: 0.4862
 Epoch 180/700
 267/267 [=====] - 1s 3ms/step - loss: 21.7983 -
 auc_115: 0.4962 - val_loss: 15.2604 - val_auc_115: 0.4916
 Epoch 181/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1563 -
 auc_115: 0.5029 - val_loss: 28.1717 - val_auc_115: 0.4933
 Epoch 182/700
 267/267 [=====] - 1s 3ms/step - loss: 20.0865 -
 auc_115: 0.5046 - val_loss: 37.7098 - val_auc_115: 0.4987
 Epoch 183/700
 267/267 [=====] - 1s 3ms/step - loss: 24.2695 -
 auc_115: 0.5040 - val_loss: 29.2119 - val_auc_115: 0.5062
 Epoch 184/700
 267/267 [=====] - 1s 3ms/step - loss: 15.5819 -
 auc_115: 0.5022 - val_loss: 10.4269 - val_auc_115: 0.5051
 Epoch 185/700
 267/267 [=====] - 1s 3ms/step - loss: 15.6267 -
 auc_115: 0.5001 - val_loss: 14.4783 - val_auc_115: 0.5130
 Epoch 186/700
 267/267 [=====] - 1s 3ms/step - loss: 20.0050 -
 auc_115: 0.5051 - val_loss: 24.7106 - val_auc_115: 0.5017
 Epoch 187/700
 267/267 [=====] - 1s 3ms/step - loss: 19.2272 -
 auc_115: 0.5022 - val_loss: 12.5962 - val_auc_115: 0.4814
 Epoch 188/700
 267/267 [=====] - 1s 3ms/step - loss: 22.7175 -
 auc_115: 0.5024 - val_loss: 40.8966 - val_auc_115: 0.5022
 Epoch 189/700
 267/267 [=====] - 1s 3ms/step - loss: 18.7063 -
 auc_115: 0.5034 - val_loss: 19.5297 - val_auc_115: 0.5077
 Epoch 190/700
 267/267 [=====] - 1s 3ms/step - loss: 15.4832 -
 auc_115: 0.5023 - val_loss: 13.2561 - val_auc_115: 0.5077
 Epoch 191/700
 267/267 [=====] - 1s 3ms/step - loss: 19.8671 -
 auc_115: 0.5050 - val_loss: 21.8433 - val_auc_115: 0.5099
 Epoch 192/700

267/267 [=====] - 1s 3ms/step - loss: 19.9648 -
auc_115: 0.5015 - val_loss: 25.3692 - val_auc_115: 0.4888
Epoch 193/700
267/267 [=====] - 1s 3ms/step - loss: 19.3212 -
auc_115: 0.5060 - val_loss: 18.6200 - val_auc_115: 0.5024
Epoch 194/700
267/267 [=====] - 1s 3ms/step - loss: 17.6334 -
auc_115: 0.5026 - val_loss: 9.0393 - val_auc_115: 0.4963
Epoch 195/700
267/267 [=====] - 1s 3ms/step - loss: 17.2004 -
auc_115: 0.5038 - val_loss: 14.6881 - val_auc_115: 0.5034
Epoch 196/700
267/267 [=====] - 1s 3ms/step - loss: 17.7765 -
auc_115: 0.5039 - val_loss: 40.8788 - val_auc_115: 0.5014
Epoch 197/700
267/267 [=====] - 1s 3ms/step - loss: 18.4678 -
auc_115: 0.5040 - val_loss: 16.1196 - val_auc_115: 0.5146
Epoch 198/700
267/267 [=====] - 1s 3ms/step - loss: 21.7622 -
auc_115: 0.5026 - val_loss: 10.1462 - val_auc_115: 0.5051
Epoch 199/700
267/267 [=====] - 1s 3ms/step - loss: 20.3332 -
auc_115: 0.5022 - val_loss: 16.3036 - val_auc_115: 0.4990
Epoch 200/700
267/267 [=====] - 1s 3ms/step - loss: 24.9139 -
auc_115: 0.5020 - val_loss: 30.3232 - val_auc_115: 0.5129
Epoch 201/700
267/267 [=====] - 1s 3ms/step - loss: 23.7915 -
auc_115: 0.5034 - val_loss: 22.1922 - val_auc_115: 0.4995
Epoch 202/700
267/267 [=====] - 1s 3ms/step - loss: 19.3091 -
auc_115: 0.5037 - val_loss: 8.5728 - val_auc_115: 0.4877
Epoch 203/700
267/267 [=====] - 1s 3ms/step - loss: 16.6756 -
auc_115: 0.5042 - val_loss: 30.0479 - val_auc_115: 0.5000
Epoch 204/700
267/267 [=====] - 1s 3ms/step - loss: 19.7404 -
auc_115: 0.5019 - val_loss: 45.9083 - val_auc_115: 0.4941
Epoch 205/700
267/267 [=====] - 1s 3ms/step - loss: 15.4483 -
auc_115: 0.5046 - val_loss: 7.9682 - val_auc_115: 0.5040
Epoch 206/700
267/267 [=====] - 1s 3ms/step - loss: 18.3810 -
auc_115: 0.5046 - val_loss: 10.0493 - val_auc_115: 0.4899
Epoch 207/700
267/267 [=====] - 1s 3ms/step - loss: 20.0826 -
auc_115: 0.5019 - val_loss: 12.7496 - val_auc_115: 0.5031
Epoch 208/700

267/267 [=====] - 1s 3ms/step - loss: 21.7730 -
auc_115: 0.5039 - val_loss: 18.6299 - val_auc_115: 0.5067
Epoch 209/700
267/267 [=====] - 1s 3ms/step - loss: 19.4984 -
auc_115: 0.5017 - val_loss: 5.8326 - val_auc_115: 0.5019
Epoch 210/700
267/267 [=====] - 1s 3ms/step - loss: 22.9190 -
auc_115: 0.5035 - val_loss: 7.9921 - val_auc_115: 0.4996
Epoch 211/700
267/267 [=====] - 1s 3ms/step - loss: 22.9649 -
auc_115: 0.5047 - val_loss: 7.4330 - val_auc_115: 0.4920
Epoch 212/700
267/267 [=====] - 1s 3ms/step - loss: 17.1905 -
auc_115: 0.5067 - val_loss: 15.4570 - val_auc_115: 0.5081
Epoch 213/700
267/267 [=====] - 1s 3ms/step - loss: 24.5663 -
auc_115: 0.5005 - val_loss: 33.7236 - val_auc_115: 0.5128
Epoch 214/700
267/267 [=====] - 1s 3ms/step - loss: 20.8266 -
auc_115: 0.5000 - val_loss: 17.5806 - val_auc_115: 0.5004
Epoch 215/700
267/267 [=====] - 1s 3ms/step - loss: 22.2140 -
auc_115: 0.5073 - val_loss: 24.8325 - val_auc_115: 0.4853
Epoch 216/700
267/267 [=====] - 1s 3ms/step - loss: 17.2494 -
auc_115: 0.5014 - val_loss: 8.3389 - val_auc_115: 0.5005
Epoch 217/700
267/267 [=====] - 1s 3ms/step - loss: 20.4526 -
auc_115: 0.5021 - val_loss: 24.5430 - val_auc_115: 0.5018
Epoch 218/700
267/267 [=====] - 1s 3ms/step - loss: 18.1420 -
auc_115: 0.5047 - val_loss: 16.8747 - val_auc_115: 0.4897
Epoch 219/700
267/267 [=====] - 1s 3ms/step - loss: 19.5859 -
auc_115: 0.5009 - val_loss: 52.8072 - val_auc_115: 0.5132
Epoch 220/700
267/267 [=====] - 1s 3ms/step - loss: 27.0290 -
auc_115: 0.5024 - val_loss: 27.8114 - val_auc_115: 0.4995
Epoch 221/700
267/267 [=====] - 1s 3ms/step - loss: 20.5499 -
auc_115: 0.5024 - val_loss: 32.6047 - val_auc_115: 0.5119
Epoch 222/700
267/267 [=====] - 1s 3ms/step - loss: 20.9834 -
auc_115: 0.5057 - val_loss: 51.3342 - val_auc_115: 0.4912
Epoch 223/700
267/267 [=====] - 1s 3ms/step - loss: 22.3187 -
auc_115: 0.5070 - val_loss: 19.8411 - val_auc_115: 0.4991
Epoch 224/700

267/267 [=====] - 1s 3ms/step - loss: 16.5455 -
auc_115: 0.5058 - val_loss: 24.1666 - val_auc_115: 0.5111
Epoch 225/700
267/267 [=====] - 1s 3ms/step - loss: 21.4042 -
auc_115: 0.5000 - val_loss: 14.6949 - val_auc_115: 0.5029
Epoch 226/700
267/267 [=====] - 1s 3ms/step - loss: 20.1810 -
auc_115: 0.5009 - val_loss: 9.6421 - val_auc_115: 0.5116
Epoch 227/700
267/267 [=====] - 1s 3ms/step - loss: 18.6432 -
auc_115: 0.5011 - val_loss: 14.6314 - val_auc_115: 0.5086
Epoch 228/700
267/267 [=====] - 1s 3ms/step - loss: 18.7740 -
auc_115: 0.5038 - val_loss: 28.1521 - val_auc_115: 0.5003
Epoch 229/700
267/267 [=====] - 1s 3ms/step - loss: 17.7551 -
auc_115: 0.5081 - val_loss: 11.0507 - val_auc_115: 0.5112
Epoch 230/700
267/267 [=====] - 1s 3ms/step - loss: 17.1574 -
auc_115: 0.5032 - val_loss: 12.8595 - val_auc_115: 0.4897
Epoch 231/700
267/267 [=====] - 1s 3ms/step - loss: 20.2736 -
auc_115: 0.5053 - val_loss: 17.0910 - val_auc_115: 0.4885
Epoch 232/700
267/267 [=====] - 1s 3ms/step - loss: 17.6103 -
auc_115: 0.5039 - val_loss: 16.3381 - val_auc_115: 0.4921
Epoch 233/700
267/267 [=====] - 1s 3ms/step - loss: 15.5982 -
auc_115: 0.5061 - val_loss: 33.0586 - val_auc_115: 0.5060
Epoch 234/700
267/267 [=====] - 1s 3ms/step - loss: 18.1626 -
auc_115: 0.5002 - val_loss: 40.1250 - val_auc_115: 0.4899
Epoch 235/700
267/267 [=====] - 1s 3ms/step - loss: 23.8545 -
auc_115: 0.5041 - val_loss: 26.1549 - val_auc_115: 0.5092
Epoch 236/700
267/267 [=====] - 1s 3ms/step - loss: 16.2689 -
auc_115: 0.5048 - val_loss: 16.1194 - val_auc_115: 0.5004
Epoch 237/700
267/267 [=====] - 1s 3ms/step - loss: 17.2752 -
auc_115: 0.5021 - val_loss: 11.0252 - val_auc_115: 0.5022
Epoch 238/700
267/267 [=====] - 1s 3ms/step - loss: 18.2535 -
auc_115: 0.5018 - val_loss: 12.4580 - val_auc_115: 0.5020
Epoch 239/700
267/267 [=====] - 1s 3ms/step - loss: 17.4377 -
auc_115: 0.5004 - val_loss: 21.7061 - val_auc_115: 0.5026
Epoch 240/700

267/267 [=====] - 1s 3ms/step - loss: 21.1896 -
auc_115: 0.5010 - val_loss: 26.6513 - val_auc_115: 0.4931
Epoch 241/700
267/267 [=====] - 1s 3ms/step - loss: 18.3658 -
auc_115: 0.5076 - val_loss: 22.7923 - val_auc_115: 0.4947
Epoch 242/700
267/267 [=====] - 1s 3ms/step - loss: 22.3148 -
auc_115: 0.5047 - val_loss: 16.6543 - val_auc_115: 0.4959
Epoch 243/700
267/267 [=====] - 1s 3ms/step - loss: 18.9215 -
auc_115: 0.5060 - val_loss: 10.3054 - val_auc_115: 0.4986
Epoch 244/700
267/267 [=====] - 1s 3ms/step - loss: 18.2159 -
auc_115: 0.5021 - val_loss: 10.8344 - val_auc_115: 0.5009
Epoch 245/700
267/267 [=====] - 1s 3ms/step - loss: 21.8902 -
auc_115: 0.5027 - val_loss: 23.7022 - val_auc_115: 0.5138
Epoch 246/700
267/267 [=====] - 1s 3ms/step - loss: 20.3450 -
auc_115: 0.5047 - val_loss: 23.2350 - val_auc_115: 0.5052
Epoch 247/700
267/267 [=====] - 1s 3ms/step - loss: 21.2995 -
auc_115: 0.5001 - val_loss: 24.8137 - val_auc_115: 0.4990
Epoch 248/700
267/267 [=====] - 1s 3ms/step - loss: 24.6847 -
auc_115: 0.5037 - val_loss: 33.5318 - val_auc_115: 0.5005
Epoch 249/700
267/267 [=====] - 1s 3ms/step - loss: 18.8981 -
auc_115: 0.5059 - val_loss: 24.6636 - val_auc_115: 0.5016
Epoch 250/700
267/267 [=====] - 1s 3ms/step - loss: 23.8693 -
auc_115: 0.5051 - val_loss: 13.5576 - val_auc_115: 0.5009
Epoch 251/700
267/267 [=====] - 1s 3ms/step - loss: 18.4166 -
auc_115: 0.5012 - val_loss: 30.7641 - val_auc_115: 0.4863
Epoch 252/700
267/267 [=====] - 1s 3ms/step - loss: 25.4090 -
auc_115: 0.5006 - val_loss: 11.8270 - val_auc_115: 0.5042
Epoch 253/700
267/267 [=====] - 1s 3ms/step - loss: 21.5523 -
auc_115: 0.5045 - val_loss: 22.3735 - val_auc_115: 0.5014
Epoch 254/700
267/267 [=====] - 1s 3ms/step - loss: 15.8004 -
auc_115: 0.5013 - val_loss: 15.7097 - val_auc_115: 0.4896
Epoch 255/700
267/267 [=====] - 1s 3ms/step - loss: 19.9742 -
auc_115: 0.5050 - val_loss: 9.5439 - val_auc_115: 0.5152
Epoch 256/700

267/267 [=====] - 1s 3ms/step - loss: 20.8488 -
auc_115: 0.5029 - val_loss: 13.3915 - val_auc_115: 0.4957
Epoch 257/700
267/267 [=====] - 1s 3ms/step - loss: 17.0344 -
auc_115: 0.5003 - val_loss: 10.8048 - val_auc_115: 0.4894
Epoch 258/700
267/267 [=====] - 1s 3ms/step - loss: 20.4505 -
auc_115: 0.5043 - val_loss: 16.3434 - val_auc_115: 0.5110
Epoch 259/700
267/267 [=====] - 1s 3ms/step - loss: 18.5211 -
auc_115: 0.5056 - val_loss: 49.5949 - val_auc_115: 0.4971
Epoch 260/700
267/267 [=====] - 1s 3ms/step - loss: 18.9634 -
auc_115: 0.5036 - val_loss: 39.0089 - val_auc_115: 0.4963
Epoch 261/700
267/267 [=====] - 1s 3ms/step - loss: 21.6394 -
auc_115: 0.5038 - val_loss: 16.8109 - val_auc_115: 0.4913
Epoch 262/700
267/267 [=====] - 1s 3ms/step - loss: 19.3302 -
auc_115: 0.5039 - val_loss: 7.0855 - val_auc_115: 0.5049
Epoch 263/700
267/267 [=====] - 1s 3ms/step - loss: 20.1886 -
auc_115: 0.5047 - val_loss: 13.1990 - val_auc_115: 0.5039
Epoch 264/700
267/267 [=====] - 1s 3ms/step - loss: 18.1292 -
auc_115: 0.5047 - val_loss: 43.4359 - val_auc_115: 0.5026
Epoch 265/700
267/267 [=====] - 1s 3ms/step - loss: 21.4761 -
auc_115: 0.5015 - val_loss: 17.6049 - val_auc_115: 0.4913
Epoch 266/700
267/267 [=====] - 1s 3ms/step - loss: 25.1959 -
auc_115: 0.5011 - val_loss: 12.5906 - val_auc_115: 0.5070
Epoch 267/700
267/267 [=====] - 1s 3ms/step - loss: 20.5615 -
auc_115: 0.5031 - val_loss: 9.8305 - val_auc_115: 0.4975
Epoch 268/700
267/267 [=====] - 1s 3ms/step - loss: 17.6187 -
auc_115: 0.5011 - val_loss: 18.1609 - val_auc_115: 0.5054
Epoch 269/700
267/267 [=====] - 1s 3ms/step - loss: 20.4118 -
auc_115: 0.5082 - val_loss: 14.1396 - val_auc_115: 0.4949
Epoch 270/700
267/267 [=====] - 1s 3ms/step - loss: 19.5211 -
auc_115: 0.5057 - val_loss: 15.8657 - val_auc_115: 0.5054
Epoch 271/700
267/267 [=====] - 1s 3ms/step - loss: 15.9809 -
auc_115: 0.5074 - val_loss: 19.0969 - val_auc_115: 0.5064
Epoch 272/700

267/267 [=====] - 1s 3ms/step - loss: 20.0170 -
auc_115: 0.5048 - val_loss: 35.5018 - val_auc_115: 0.4969
Epoch 273/700
267/267 [=====] - 1s 3ms/step - loss: 22.5057 -
auc_115: 0.4996 - val_loss: 19.8040 - val_auc_115: 0.4988
Epoch 274/700
267/267 [=====] - 1s 3ms/step - loss: 15.8201 -
auc_115: 0.5052 - val_loss: 23.6145 - val_auc_115: 0.5029
Epoch 275/700
267/267 [=====] - 1s 3ms/step - loss: 19.8684 -
auc_115: 0.4999 - val_loss: 6.6222 - val_auc_115: 0.4897
Epoch 276/700
267/267 [=====] - 1s 3ms/step - loss: 18.0098 -
auc_115: 0.5019 - val_loss: 18.2533 - val_auc_115: 0.5011
Epoch 277/700
267/267 [=====] - 1s 3ms/step - loss: 18.4033 -
auc_115: 0.5015 - val_loss: 20.0948 - val_auc_115: 0.5106
Epoch 278/700
267/267 [=====] - 1s 3ms/step - loss: 20.8643 -
auc_115: 0.5036 - val_loss: 8.8102 - val_auc_115: 0.4909
Epoch 279/700
267/267 [=====] - 1s 3ms/step - loss: 19.1004 -
auc_115: 0.4998 - val_loss: 16.7248 - val_auc_115: 0.5121
Epoch 280/700
267/267 [=====] - 1s 3ms/step - loss: 17.2805 -
auc_115: 0.5010 - val_loss: 30.0680 - val_auc_115: 0.5049
Epoch 281/700
267/267 [=====] - 1s 3ms/step - loss: 19.2882 -
auc_115: 0.5015 - val_loss: 22.9132 - val_auc_115: 0.4969
Epoch 282/700
267/267 [=====] - 1s 3ms/step - loss: 21.0690 -
auc_115: 0.5032 - val_loss: 21.1098 - val_auc_115: 0.5114
Epoch 283/700
267/267 [=====] - 1s 3ms/step - loss: 20.9134 -
auc_115: 0.5024 - val_loss: 34.3584 - val_auc_115: 0.5110
Epoch 284/700
267/267 [=====] - 1s 3ms/step - loss: 21.5376 -
auc_115: 0.5016 - val_loss: 17.3894 - val_auc_115: 0.5102
Epoch 285/700
267/267 [=====] - 1s 3ms/step - loss: 26.0281 -
auc_115: 0.5017 - val_loss: 16.1927 - val_auc_115: 0.5010
Epoch 286/700
267/267 [=====] - 1s 3ms/step - loss: 19.8463 -
auc_115: 0.5037 - val_loss: 23.6578 - val_auc_115: 0.5020
Epoch 287/700
267/267 [=====] - 1s 3ms/step - loss: 17.7347 -
auc_115: 0.5032 - val_loss: 16.7447 - val_auc_115: 0.5141
Epoch 288/700

267/267 [=====] - 1s 3ms/step - loss: 20.4432 -
auc_115: 0.5064 - val_loss: 7.3103 - val_auc_115: 0.4937
Epoch 289/700
267/267 [=====] - 1s 3ms/step - loss: 16.0991 -
auc_115: 0.5016 - val_loss: 21.1771 - val_auc_115: 0.4944
Epoch 290/700
267/267 [=====] - 1s 3ms/step - loss: 17.3961 -
auc_115: 0.5060 - val_loss: 16.5901 - val_auc_115: 0.5038
Epoch 291/700
267/267 [=====] - 1s 3ms/step - loss: 22.6762 -
auc_115: 0.5040 - val_loss: 5.5195 - val_auc_115: 0.4978
Epoch 292/700
267/267 [=====] - 1s 3ms/step - loss: 19.3885 -
auc_115: 0.5025 - val_loss: 25.7662 - val_auc_115: 0.5106
Epoch 293/700
267/267 [=====] - 1s 3ms/step - loss: 17.5710 -
auc_115: 0.5082 - val_loss: 16.8125 - val_auc_115: 0.5002
Epoch 294/700
267/267 [=====] - 1s 3ms/step - loss: 17.3600 -
auc_115: 0.5050 - val_loss: 22.8498 - val_auc_115: 0.4939
Epoch 295/700
267/267 [=====] - 1s 3ms/step - loss: 21.3010 -
auc_115: 0.5042 - val_loss: 21.0132 - val_auc_115: 0.5082
Epoch 296/700
267/267 [=====] - 1s 3ms/step - loss: 21.5640 -
auc_115: 0.5058 - val_loss: 29.3645 - val_auc_115: 0.5043
Epoch 297/700
267/267 [=====] - 1s 3ms/step - loss: 19.8150 -
auc_115: 0.5025 - val_loss: 13.5981 - val_auc_115: 0.5082
Epoch 298/700
267/267 [=====] - 1s 3ms/step - loss: 20.2015 -
auc_115: 0.5032 - val_loss: 18.8309 - val_auc_115: 0.5045
Epoch 299/700
267/267 [=====] - 1s 3ms/step - loss: 22.7987 -
auc_115: 0.5021 - val_loss: 11.6047 - val_auc_115: 0.5056
Epoch 300/700
267/267 [=====] - 1s 3ms/step - loss: 17.9073 -
auc_115: 0.5040 - val_loss: 17.0906 - val_auc_115: 0.4871
Epoch 301/700
267/267 [=====] - 1s 3ms/step - loss: 21.0640 -
auc_115: 0.5009 - val_loss: 15.4514 - val_auc_115: 0.5062
Epoch 302/700
267/267 [=====] - 1s 3ms/step - loss: 23.4141 -
auc_115: 0.4985 - val_loss: 44.3957 - val_auc_115: 0.5099
Epoch 303/700
267/267 [=====] - 1s 3ms/step - loss: 25.6224 -
auc_115: 0.4984 - val_loss: 15.8395 - val_auc_115: 0.4960
Epoch 304/700

267/267 [=====] - 1s 3ms/step - loss: 20.2966 -
 auc_115: 0.5038 - val_loss: 11.0323 - val_auc_115: 0.5070
 Epoch 305/700
 267/267 [=====] - 1s 3ms/step - loss: 18.0158 -
 auc_115: 0.5035 - val_loss: 13.7588 - val_auc_115: 0.4944
 Epoch 306/700
 267/267 [=====] - 1s 3ms/step - loss: 22.7444 -
 auc_115: 0.5058 - val_loss: 16.8149 - val_auc_115: 0.5158
 Epoch 307/700
 267/267 [=====] - 1s 3ms/step - loss: 20.6489 -
 auc_115: 0.5031 - val_loss: 23.7363 - val_auc_115: 0.5029
 Epoch 308/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5513 -
 auc_115: 0.5022 - val_loss: 11.3064 - val_auc_115: 0.4950
 Epoch 309/700
 267/267 [=====] - 1s 3ms/step - loss: 21.7156 -
 auc_115: 0.5029 - val_loss: 7.2258 - val_auc_115: 0.5048
 Epoch 310/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6455 -
 auc_115: 0.5056 - val_loss: 48.4772 - val_auc_115: 0.4973
 Epoch 311/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0343 -
 auc_115: 0.5009 - val_loss: 25.8136 - val_auc_115: 0.4958
 Epoch 312/700
 267/267 [=====] - 1s 3ms/step - loss: 20.8063 -
 auc_115: 0.5053 - val_loss: 15.8994 - val_auc_115: 0.5115
 Epoch 313/700
 267/267 [=====] - 1s 3ms/step - loss: 19.8480 -
 auc_115: 0.5042 - val_loss: 21.6484 - val_auc_115: 0.4983
 Epoch 314/700
 267/267 [=====] - 1s 3ms/step - loss: 21.7100 -
 auc_115: 0.5018 - val_loss: 12.3423 - val_auc_115: 0.5128
 Epoch 315/700
 267/267 [=====] - 1s 3ms/step - loss: 17.4731 -
 auc_115: 0.5051 - val_loss: 14.1079 - val_auc_115: 0.4962
 Epoch 316/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1317 -
 auc_115: 0.5006 - val_loss: 18.4119 - val_auc_115: 0.5061
 Epoch 317/700
 267/267 [=====] - 1s 3ms/step - loss: 20.2522 -
 auc_115: 0.5031 - val_loss: 36.6917 - val_auc_115: 0.4956
 Epoch 318/700
 267/267 [=====] - 1s 3ms/step - loss: 21.5709 -
 auc_115: 0.5031 - val_loss: 4.4422 - val_auc_115: 0.4979
 Epoch 319/700
 267/267 [=====] - 1s 3ms/step - loss: 22.9122 -
 auc_115: 0.5017 - val_loss: 50.3624 - val_auc_115: 0.4971
 Epoch 320/700

267/267 [=====] - 1s 3ms/step - loss: 20.5690 -
 auc_115: 0.4985 - val_loss: 21.7506 - val_auc_115: 0.5025
 Epoch 321/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1675 -
 auc_115: 0.5080 - val_loss: 18.9499 - val_auc_115: 0.4880
 Epoch 322/700
 267/267 [=====] - 1s 3ms/step - loss: 18.1117 -
 auc_115: 0.5023 - val_loss: 7.8280 - val_auc_115: 0.5000
 Epoch 323/700
 267/267 [=====] - 1s 3ms/step - loss: 21.2149 -
 auc_115: 0.5020 - val_loss: 10.0658 - val_auc_115: 0.5031
 Epoch 324/700
 267/267 [=====] - 1s 3ms/step - loss: 18.6583 -
 auc_115: 0.5026 - val_loss: 11.7114 - val_auc_115: 0.5079
 Epoch 325/700
 267/267 [=====] - 1s 3ms/step - loss: 20.1499 -
 auc_115: 0.5005 - val_loss: 24.4189 - val_auc_115: 0.5002
 Epoch 326/700
 267/267 [=====] - 1s 3ms/step - loss: 19.4962 -
 auc_115: 0.5049 - val_loss: 11.9016 - val_auc_115: 0.5042
 Epoch 327/700
 267/267 [=====] - 1s 3ms/step - loss: 19.0394 -
 auc_115: 0.5041 - val_loss: 5.2377 - val_auc_115: 0.5040
 Epoch 328/700
 267/267 [=====] - 1s 3ms/step - loss: 15.5698 -
 auc_115: 0.5018 - val_loss: 6.7561 - val_auc_115: 0.5036
 Epoch 329/700
 267/267 [=====] - 1s 3ms/step - loss: 22.2634 -
 auc_115: 0.5054 - val_loss: 40.6156 - val_auc_115: 0.5047
 Epoch 330/700
 267/267 [=====] - 1s 3ms/step - loss: 18.7136 -
 auc_115: 0.5037 - val_loss: 47.5701 - val_auc_115: 0.5001
 Epoch 331/700
 267/267 [=====] - 1s 3ms/step - loss: 18.8713 -
 auc_115: 0.5017 - val_loss: 40.1449 - val_auc_115: 0.4898
 Epoch 332/700
 267/267 [=====] - 1s 3ms/step - loss: 20.1658 -
 auc_115: 0.5021 - val_loss: 12.5112 - val_auc_115: 0.5191
 Epoch 333/700
 267/267 [=====] - 1s 3ms/step - loss: 19.8073 -
 auc_115: 0.5027 - val_loss: 12.4188 - val_auc_115: 0.5093
 Epoch 334/700
 267/267 [=====] - 1s 3ms/step - loss: 24.7995 -
 auc_115: 0.5032 - val_loss: 13.4835 - val_auc_115: 0.4875
 Epoch 335/700
 267/267 [=====] - 1s 3ms/step - loss: 19.6310 -
 auc_115: 0.5027 - val_loss: 24.6547 - val_auc_115: 0.4976
 Epoch 336/700

267/267 [=====] - 1s 3ms/step - loss: 21.5028 -
auc_115: 0.5010 - val_loss: 24.7808 - val_auc_115: 0.4876
Epoch 337/700
267/267 [=====] - 1s 3ms/step - loss: 23.2816 -
auc_115: 0.5041 - val_loss: 18.2903 - val_auc_115: 0.4969
Epoch 338/700
267/267 [=====] - 1s 3ms/step - loss: 18.0599 -
auc_115: 0.5007 - val_loss: 18.0221 - val_auc_115: 0.5021
Epoch 339/700
267/267 [=====] - 1s 3ms/step - loss: 15.7532 -
auc_115: 0.5029 - val_loss: 32.8930 - val_auc_115: 0.5140
Epoch 340/700
267/267 [=====] - 1s 3ms/step - loss: 16.8955 -
auc_115: 0.5007 - val_loss: 7.1405 - val_auc_115: 0.4978
Epoch 341/700
267/267 [=====] - 1s 3ms/step - loss: 20.8439 -
auc_115: 0.5008 - val_loss: 27.3861 - val_auc_115: 0.5032
Epoch 342/700
267/267 [=====] - 1s 3ms/step - loss: 19.4775 -
auc_115: 0.5018 - val_loss: 17.3317 - val_auc_115: 0.5069
Epoch 343/700
267/267 [=====] - 1s 3ms/step - loss: 23.1222 -
auc_115: 0.4996 - val_loss: 12.6831 - val_auc_115: 0.4945
Epoch 344/700
267/267 [=====] - 1s 3ms/step - loss: 18.5911 -
auc_115: 0.5009 - val_loss: 39.0459 - val_auc_115: 0.4927
Epoch 345/700
267/267 [=====] - 1s 3ms/step - loss: 19.3457 -
auc_115: 0.5040 - val_loss: 14.8314 - val_auc_115: 0.5074
Epoch 346/700
267/267 [=====] - 1s 3ms/step - loss: 19.9655 -
auc_115: 0.5060 - val_loss: 23.2118 - val_auc_115: 0.4964
Epoch 347/700
267/267 [=====] - 1s 3ms/step - loss: 19.1568 -
auc_115: 0.5024 - val_loss: 14.3741 - val_auc_115: 0.4841
Epoch 348/700
267/267 [=====] - 1s 3ms/step - loss: 22.2099 -
auc_115: 0.5054 - val_loss: 10.9130 - val_auc_115: 0.5015
Epoch 349/700
267/267 [=====] - 1s 3ms/step - loss: 17.7505 -
auc_115: 0.5037 - val_loss: 10.5233 - val_auc_115: 0.5063
Epoch 350/700
267/267 [=====] - 1s 3ms/step - loss: 17.4088 -
auc_115: 0.5027 - val_loss: 17.4620 - val_auc_115: 0.5018
Epoch 351/700
267/267 [=====] - 1s 3ms/step - loss: 24.3170 -
auc_115: 0.4996 - val_loss: 32.8767 - val_auc_115: 0.5006
Epoch 352/700

267/267 [=====] - 1s 3ms/step - loss: 18.9697 -
auc_115: 0.5010 - val_loss: 12.2133 - val_auc_115: 0.4990
Epoch 353/700
267/267 [=====] - 1s 3ms/step - loss: 20.8169 -
auc_115: 0.5035 - val_loss: 20.1824 - val_auc_115: 0.5075
Epoch 354/700
267/267 [=====] - 1s 3ms/step - loss: 17.5423 -
auc_115: 0.5025 - val_loss: 9.6705 - val_auc_115: 0.4965
Epoch 355/700
267/267 [=====] - 1s 3ms/step - loss: 23.9210 -
auc_115: 0.5022 - val_loss: 5.4263 - val_auc_115: 0.5022
Epoch 356/700
267/267 [=====] - 1s 3ms/step - loss: 21.5344 -
auc_115: 0.5024 - val_loss: 31.0539 - val_auc_115: 0.4956
Epoch 357/700
267/267 [=====] - 1s 3ms/step - loss: 19.5702 -
auc_115: 0.5034 - val_loss: 24.5568 - val_auc_115: 0.5051
Epoch 358/700
267/267 [=====] - 1s 3ms/step - loss: 22.8037 -
auc_115: 0.4994 - val_loss: 9.6160 - val_auc_115: 0.5069
Epoch 359/700
267/267 [=====] - 1s 3ms/step - loss: 19.0742 -
auc_115: 0.5029 - val_loss: 23.9681 - val_auc_115: 0.5021
Epoch 360/700
267/267 [=====] - 1s 3ms/step - loss: 21.5811 -
auc_115: 0.5006 - val_loss: 15.8622 - val_auc_115: 0.5083
Epoch 361/700
267/267 [=====] - 1s 3ms/step - loss: 21.2330 -
auc_115: 0.5047 - val_loss: 37.8186 - val_auc_115: 0.5034
Epoch 362/700
267/267 [=====] - 1s 3ms/step - loss: 18.0351 -
auc_115: 0.5046 - val_loss: 24.7019 - val_auc_115: 0.5032
Epoch 363/700
267/267 [=====] - 1s 3ms/step - loss: 16.1481 -
auc_115: 0.5060 - val_loss: 18.2274 - val_auc_115: 0.5026
Epoch 364/700
267/267 [=====] - 1s 3ms/step - loss: 17.5566 -
auc_115: 0.5031 - val_loss: 13.1094 - val_auc_115: 0.5000
Epoch 365/700
267/267 [=====] - 1s 3ms/step - loss: 22.6130 -
auc_115: 0.5042 - val_loss: 34.2808 - val_auc_115: 0.5072
Epoch 366/700
267/267 [=====] - 1s 3ms/step - loss: 21.1347 -
auc_115: 0.5041 - val_loss: 8.1236 - val_auc_115: 0.4934
Epoch 367/700
267/267 [=====] - 1s 3ms/step - loss: 21.8680 -
auc_115: 0.5043 - val_loss: 30.4230 - val_auc_115: 0.5074
Epoch 368/700

267/267 [=====] - 1s 3ms/step - loss: 22.6896 -
auc_115: 0.5034 - val_loss: 12.5652 - val_auc_115: 0.5025
Epoch 369/700
267/267 [=====] - 1s 3ms/step - loss: 21.1842 -
auc_115: 0.5069 - val_loss: 12.6831 - val_auc_115: 0.5038
Epoch 370/700
267/267 [=====] - 1s 3ms/step - loss: 18.1212 -
auc_115: 0.5015 - val_loss: 21.0969 - val_auc_115: 0.5017
Epoch 371/700
267/267 [=====] - 1s 3ms/step - loss: 18.7267 -
auc_115: 0.5027 - val_loss: 15.8603 - val_auc_115: 0.5130
Epoch 372/700
267/267 [=====] - 1s 3ms/step - loss: 20.4954 -
auc_115: 0.5009 - val_loss: 30.8957 - val_auc_115: 0.4998
Epoch 373/700
267/267 [=====] - 1s 3ms/step - loss: 19.3776 -
auc_115: 0.5079 - val_loss: 11.5307 - val_auc_115: 0.5015
Epoch 374/700
267/267 [=====] - 1s 3ms/step - loss: 21.0882 -
auc_115: 0.5046 - val_loss: 33.4734 - val_auc_115: 0.4960
Epoch 375/700
267/267 [=====] - 1s 3ms/step - loss: 19.4381 -
auc_115: 0.5040 - val_loss: 16.6769 - val_auc_115: 0.4945
Epoch 376/700
267/267 [=====] - 1s 3ms/step - loss: 19.1691 -
auc_115: 0.5045 - val_loss: 39.8477 - val_auc_115: 0.5038
Epoch 377/700
267/267 [=====] - 1s 3ms/step - loss: 21.1358 -
auc_115: 0.5013 - val_loss: 19.3791 - val_auc_115: 0.5000
Epoch 378/700
267/267 [=====] - 1s 3ms/step - loss: 18.6686 -
auc_115: 0.5055 - val_loss: 14.4921 - val_auc_115: 0.5090
Epoch 379/700
267/267 [=====] - 1s 3ms/step - loss: 24.0582 -
auc_115: 0.5014 - val_loss: 23.1480 - val_auc_115: 0.5087
Epoch 380/700
267/267 [=====] - 1s 3ms/step - loss: 23.9012 -
auc_115: 0.5043 - val_loss: 22.0260 - val_auc_115: 0.4987
Epoch 381/700
267/267 [=====] - 1s 3ms/step - loss: 18.0814 -
auc_115: 0.5022 - val_loss: 43.1657 - val_auc_115: 0.4957
Epoch 382/700
267/267 [=====] - 1s 3ms/step - loss: 21.3590 -
auc_115: 0.5003 - val_loss: 24.1456 - val_auc_115: 0.4984
Epoch 383/700
267/267 [=====] - 1s 3ms/step - loss: 17.2082 -
auc_115: 0.4976 - val_loss: 40.2676 - val_auc_115: 0.5016
Epoch 384/700

267/267 [=====] - 1s 3ms/step - loss: 22.3868 -
auc_115: 0.5047 - val_loss: 17.1151 - val_auc_115: 0.4951
Epoch 385/700
267/267 [=====] - 1s 3ms/step - loss: 17.6626 -
auc_115: 0.5020 - val_loss: 8.9758 - val_auc_115: 0.4962
Epoch 386/700
267/267 [=====] - 1s 3ms/step - loss: 16.7789 -
auc_115: 0.5066 - val_loss: 31.5110 - val_auc_115: 0.5041
Epoch 387/700
267/267 [=====] - 1s 3ms/step - loss: 21.7080 -
auc_115: 0.5029 - val_loss: 24.6568 - val_auc_115: 0.5101
Epoch 388/700
267/267 [=====] - 1s 3ms/step - loss: 20.5944 -
auc_115: 0.5044 - val_loss: 21.3875 - val_auc_115: 0.4988
Epoch 389/700
267/267 [=====] - 1s 3ms/step - loss: 21.4896 -
auc_115: 0.5040 - val_loss: 19.1788 - val_auc_115: 0.5141
Epoch 390/700
267/267 [=====] - 1s 3ms/step - loss: 20.6805 -
auc_115: 0.5025 - val_loss: 28.9345 - val_auc_115: 0.5096
Epoch 391/700
267/267 [=====] - 1s 3ms/step - loss: 18.2056 -
auc_115: 0.5035 - val_loss: 42.3580 - val_auc_115: 0.5079
Epoch 392/700
267/267 [=====] - 1s 3ms/step - loss: 23.5683 -
auc_115: 0.5027 - val_loss: 46.2332 - val_auc_115: 0.5063
Epoch 393/700
267/267 [=====] - 1s 3ms/step - loss: 20.1158 -
auc_115: 0.5029 - val_loss: 14.2091 - val_auc_115: 0.5013
Epoch 394/700
267/267 [=====] - 1s 3ms/step - loss: 18.3640 -
auc_115: 0.5022 - val_loss: 11.7316 - val_auc_115: 0.5112
Epoch 395/700
267/267 [=====] - 1s 3ms/step - loss: 17.9031 -
auc_115: 0.5043 - val_loss: 15.6535 - val_auc_115: 0.5134
Epoch 396/700
267/267 [=====] - 1s 3ms/step - loss: 18.6194 -
auc_115: 0.5033 - val_loss: 4.7547 - val_auc_115: 0.4977
Epoch 397/700
267/267 [=====] - 1s 3ms/step - loss: 18.8806 -
auc_115: 0.5057 - val_loss: 14.8037 - val_auc_115: 0.5039
Epoch 398/700
267/267 [=====] - 1s 3ms/step - loss: 20.0739 -
auc_115: 0.5061 - val_loss: 22.9986 - val_auc_115: 0.5064
Epoch 399/700
267/267 [=====] - 1s 3ms/step - loss: 19.2076 -
auc_115: 0.5033 - val_loss: 26.6519 - val_auc_115: 0.5004
Epoch 400/700

267/267 [=====] - 1s 3ms/step - loss: 20.5284 -
auc_115: 0.5029 - val_loss: 9.4845 - val_auc_115: 0.5014
Epoch 401/700
267/267 [=====] - 1s 3ms/step - loss: 17.2714 -
auc_115: 0.5005 - val_loss: 6.0927 - val_auc_115: 0.5065
Epoch 402/700
267/267 [=====] - 1s 3ms/step - loss: 17.5270 -
auc_115: 0.5046 - val_loss: 15.1769 - val_auc_115: 0.4886
Epoch 403/700
267/267 [=====] - 1s 3ms/step - loss: 20.9550 -
auc_115: 0.5014 - val_loss: 24.5460 - val_auc_115: 0.5102
Epoch 404/700
267/267 [=====] - 1s 3ms/step - loss: 23.3068 -
auc_115: 0.5023 - val_loss: 13.5767 - val_auc_115: 0.4857
Epoch 405/700
267/267 [=====] - 1s 3ms/step - loss: 17.4714 -
auc_115: 0.5051 - val_loss: 12.6634 - val_auc_115: 0.4960
Epoch 406/700
267/267 [=====] - 1s 3ms/step - loss: 21.8623 -
auc_115: 0.5043 - val_loss: 13.7915 - val_auc_115: 0.5025
Epoch 407/700
267/267 [=====] - 1s 3ms/step - loss: 19.3192 -
auc_115: 0.5014 - val_loss: 20.4137 - val_auc_115: 0.5095
Epoch 408/700
267/267 [=====] - 1s 3ms/step - loss: 18.1281 -
auc_115: 0.5016 - val_loss: 13.5339 - val_auc_115: 0.5015
Epoch 409/700
267/267 [=====] - 1s 3ms/step - loss: 15.7769 -
auc_115: 0.5019 - val_loss: 9.2584 - val_auc_115: 0.5046
Epoch 410/700
267/267 [=====] - 1s 3ms/step - loss: 23.7473 -
auc_115: 0.5054 - val_loss: 13.0513 - val_auc_115: 0.5107
Epoch 411/700
267/267 [=====] - 1s 3ms/step - loss: 17.3013 -
auc_115: 0.5037 - val_loss: 43.2626 - val_auc_115: 0.5069
Epoch 412/700
267/267 [=====] - 1s 3ms/step - loss: 19.9095 -
auc_115: 0.5047 - val_loss: 51.1672 - val_auc_115: 0.5101
Epoch 413/700
267/267 [=====] - 1s 3ms/step - loss: 22.1858 -
auc_115: 0.4985 - val_loss: 16.4735 - val_auc_115: 0.5166
Epoch 414/700
267/267 [=====] - 1s 3ms/step - loss: 19.7972 -
auc_115: 0.5039 - val_loss: 18.5428 - val_auc_115: 0.4892
Epoch 415/700
267/267 [=====] - 1s 3ms/step - loss: 19.3247 -
auc_115: 0.4997 - val_loss: 16.1984 - val_auc_115: 0.5014
Epoch 416/700

267/267 [=====] - 1s 3ms/step - loss: 20.6920 -
auc_115: 0.5020 - val_loss: 17.4831 - val_auc_115: 0.5022
Epoch 417/700
267/267 [=====] - 1s 3ms/step - loss: 22.3222 -
auc_115: 0.5073 - val_loss: 15.9649 - val_auc_115: 0.4925
Epoch 418/700
267/267 [=====] - 1s 3ms/step - loss: 20.0037 -
auc_115: 0.5016 - val_loss: 24.6398 - val_auc_115: 0.4974
Epoch 419/700
267/267 [=====] - 1s 3ms/step - loss: 16.8089 -
auc_115: 0.5023 - val_loss: 20.0044 - val_auc_115: 0.5033
Epoch 420/700
267/267 [=====] - 1s 3ms/step - loss: 21.6789 -
auc_115: 0.5051 - val_loss: 27.1204 - val_auc_115: 0.5067
Epoch 421/700
267/267 [=====] - 1s 3ms/step - loss: 17.4742 -
auc_115: 0.5031 - val_loss: 39.8336 - val_auc_115: 0.5049
Epoch 422/700
267/267 [=====] - 1s 3ms/step - loss: 21.0878 -
auc_115: 0.5048 - val_loss: 19.6006 - val_auc_115: 0.4963
Epoch 423/700
267/267 [=====] - 1s 3ms/step - loss: 23.3298 -
auc_115: 0.5028 - val_loss: 15.9694 - val_auc_115: 0.5085
Epoch 424/700
267/267 [=====] - 1s 3ms/step - loss: 20.4719 -
auc_115: 0.5065 - val_loss: 42.6589 - val_auc_115: 0.4932
Epoch 425/700
267/267 [=====] - 1s 3ms/step - loss: 24.5828 -
auc_115: 0.5019 - val_loss: 23.6050 - val_auc_115: 0.5055
Epoch 426/700
267/267 [=====] - 1s 3ms/step - loss: 20.7552 -
auc_115: 0.5002 - val_loss: 23.7341 - val_auc_115: 0.5112
Epoch 427/700
267/267 [=====] - 1s 3ms/step - loss: 20.3918 -
auc_115: 0.5023 - val_loss: 24.7384 - val_auc_115: 0.4973
Epoch 428/700
267/267 [=====] - 1s 3ms/step - loss: 18.8602 -
auc_115: 0.5056 - val_loss: 27.0103 - val_auc_115: 0.5035
Epoch 429/700
267/267 [=====] - 1s 3ms/step - loss: 20.3967 -
auc_115: 0.5040 - val_loss: 18.8057 - val_auc_115: 0.4863
Epoch 430/700
267/267 [=====] - 1s 3ms/step - loss: 18.1975 -
auc_115: 0.5047 - val_loss: 15.6712 - val_auc_115: 0.5098
Epoch 431/700
267/267 [=====] - 1s 3ms/step - loss: 17.0176 -
auc_115: 0.5056 - val_loss: 18.2180 - val_auc_115: 0.5011
Epoch 432/700

267/267 [=====] - 1s 3ms/step - loss: 17.4993 -
auc_115: 0.5043 - val_loss: 27.8481 - val_auc_115: 0.5107
Epoch 433/700
267/267 [=====] - 1s 3ms/step - loss: 22.7212 -
auc_115: 0.5039 - val_loss: 16.6269 - val_auc_115: 0.5041
Epoch 434/700
267/267 [=====] - 1s 3ms/step - loss: 19.2055 -
auc_115: 0.4985 - val_loss: 21.7871 - val_auc_115: 0.4996
Epoch 435/700
267/267 [=====] - 1s 3ms/step - loss: 20.8343 -
auc_115: 0.5030 - val_loss: 27.6655 - val_auc_115: 0.5097
Epoch 436/700
267/267 [=====] - 1s 3ms/step - loss: 18.8151 -
auc_115: 0.5031 - val_loss: 14.3964 - val_auc_115: 0.5076
Epoch 437/700
267/267 [=====] - 1s 3ms/step - loss: 18.1995 -
auc_115: 0.5028 - val_loss: 8.1653 - val_auc_115: 0.5028
Epoch 438/700
267/267 [=====] - 1s 3ms/step - loss: 16.9276 -
auc_115: 0.5049 - val_loss: 17.2846 - val_auc_115: 0.5027
Epoch 439/700
267/267 [=====] - 1s 3ms/step - loss: 21.3316 -
auc_115: 0.5007 - val_loss: 34.3984 - val_auc_115: 0.4947
Epoch 440/700
267/267 [=====] - 1s 3ms/step - loss: 17.7733 -
auc_115: 0.5044 - val_loss: 20.6537 - val_auc_115: 0.4998
Epoch 441/700
267/267 [=====] - 1s 3ms/step - loss: 21.9904 -
auc_115: 0.5026 - val_loss: 8.7297 - val_auc_115: 0.5149
Epoch 442/700
267/267 [=====] - 1s 3ms/step - loss: 18.5049 -
auc_115: 0.5061 - val_loss: 14.1287 - val_auc_115: 0.5062
Epoch 443/700
267/267 [=====] - 1s 3ms/step - loss: 23.8213 -
auc_115: 0.5000 - val_loss: 13.6586 - val_auc_115: 0.4910
Epoch 444/700
267/267 [=====] - 1s 3ms/step - loss: 17.4818 -
auc_115: 0.5017 - val_loss: 9.9828 - val_auc_115: 0.4957
Epoch 445/700
267/267 [=====] - 1s 3ms/step - loss: 21.7890 -
auc_115: 0.5035 - val_loss: 24.0877 - val_auc_115: 0.5054
Epoch 446/700
267/267 [=====] - 1s 3ms/step - loss: 17.8703 -
auc_115: 0.5042 - val_loss: 36.1244 - val_auc_115: 0.5073
Epoch 447/700
267/267 [=====] - 1s 3ms/step - loss: 20.4988 -
auc_115: 0.5034 - val_loss: 7.2959 - val_auc_115: 0.4994
Epoch 448/700

267/267 [=====] - 1s 3ms/step - loss: 18.8883 -
 auc_115: 0.5005 - val_loss: 28.0120 - val_auc_115: 0.5102
 Epoch 449/700
 267/267 [=====] - 1s 3ms/step - loss: 17.8059 -
 auc_115: 0.5044 - val_loss: 13.6815 - val_auc_115: 0.5029
 Epoch 450/700
 267/267 [=====] - 1s 3ms/step - loss: 21.7341 -
 auc_115: 0.5031 - val_loss: 14.1285 - val_auc_115: 0.5086
 Epoch 451/700
 267/267 [=====] - 1s 3ms/step - loss: 17.3252 -
 auc_115: 0.5023 - val_loss: 9.2861 - val_auc_115: 0.4943
 Epoch 452/700
 267/267 [=====] - 1s 3ms/step - loss: 17.3220 -
 auc_115: 0.5010 - val_loss: 31.2026 - val_auc_115: 0.4872
 Epoch 453/700
 267/267 [=====] - 1s 3ms/step - loss: 19.2060 -
 auc_115: 0.5038 - val_loss: 16.9028 - val_auc_115: 0.4962
 Epoch 454/700
 267/267 [=====] - 1s 3ms/step - loss: 23.2368 -
 auc_115: 0.4994 - val_loss: 12.1343 - val_auc_115: 0.5125
 Epoch 455/700
 267/267 [=====] - 1s 3ms/step - loss: 17.4305 -
 auc_115: 0.5041 - val_loss: 19.9654 - val_auc_115: 0.5048
 Epoch 456/700
 267/267 [=====] - 1s 3ms/step - loss: 17.5059 -
 auc_115: 0.5042 - val_loss: 12.6914 - val_auc_115: 0.4964
 Epoch 457/700
 267/267 [=====] - 1s 3ms/step - loss: 20.9820 -
 auc_115: 0.5006 - val_loss: 22.2062 - val_auc_115: 0.5012
 Epoch 458/700
 267/267 [=====] - 1s 3ms/step - loss: 17.5351 -
 auc_115: 0.5026 - val_loss: 20.2124 - val_auc_115: 0.5030
 Epoch 459/700
 267/267 [=====] - 1s 3ms/step - loss: 17.9311 -
 auc_115: 0.5024 - val_loss: 26.7445 - val_auc_115: 0.5017
 Epoch 460/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5524 -
 auc_115: 0.5013 - val_loss: 13.9283 - val_auc_115: 0.5066
 Epoch 461/700
 267/267 [=====] - 1s 3ms/step - loss: 22.5674 -
 auc_115: 0.5037 - val_loss: 30.6214 - val_auc_115: 0.4991
 Epoch 462/700
 267/267 [=====] - 1s 3ms/step - loss: 19.7551 -
 auc_115: 0.5019 - val_loss: 7.4240 - val_auc_115: 0.5048
 Epoch 463/700
 267/267 [=====] - 1s 3ms/step - loss: 17.5289 -
 auc_115: 0.5038 - val_loss: 13.1846 - val_auc_115: 0.5011
 Epoch 464/700

267/267 [=====] - 1s 3ms/step - loss: 21.1699 -
auc_115: 0.5032 - val_loss: 59.0343 - val_auc_115: 0.5057
Epoch 465/700
267/267 [=====] - 1s 3ms/step - loss: 25.8295 -
auc_115: 0.5012 - val_loss: 18.3961 - val_auc_115: 0.4920
Epoch 466/700
267/267 [=====] - 1s 3ms/step - loss: 15.1959 -
auc_115: 0.5027 - val_loss: 12.6101 - val_auc_115: 0.4911
Epoch 467/700
267/267 [=====] - 1s 3ms/step - loss: 20.3670 -
auc_115: 0.5026 - val_loss: 20.6209 - val_auc_115: 0.5102
Epoch 468/700
267/267 [=====] - 1s 3ms/step - loss: 22.0779 -
auc_115: 0.5047 - val_loss: 9.1469 - val_auc_115: 0.4963
Epoch 469/700
267/267 [=====] - 1s 3ms/step - loss: 16.2491 -
auc_115: 0.5008 - val_loss: 13.3414 - val_auc_115: 0.4966
Epoch 470/700
267/267 [=====] - 1s 3ms/step - loss: 16.9094 -
auc_115: 0.5071 - val_loss: 8.9713 - val_auc_115: 0.4992
Epoch 471/700
267/267 [=====] - 1s 3ms/step - loss: 19.4022 -
auc_115: 0.5025 - val_loss: 5.7158 - val_auc_115: 0.4996
Epoch 472/700
267/267 [=====] - 1s 3ms/step - loss: 18.7728 -
auc_115: 0.5038 - val_loss: 14.0027 - val_auc_115: 0.5034
Epoch 473/700
267/267 [=====] - 1s 3ms/step - loss: 21.6976 -
auc_115: 0.5040 - val_loss: 78.0664 - val_auc_115: 0.5001
Epoch 474/700
267/267 [=====] - 1s 3ms/step - loss: 19.7226 -
auc_115: 0.5027 - val_loss: 14.5480 - val_auc_115: 0.5066
Epoch 475/700
267/267 [=====] - 1s 3ms/step - loss: 17.8042 -
auc_115: 0.5005 - val_loss: 13.2623 - val_auc_115: 0.5002
Epoch 476/700
267/267 [=====] - 1s 3ms/step - loss: 17.5007 -
auc_115: 0.5035 - val_loss: 14.7733 - val_auc_115: 0.5085
Epoch 477/700
267/267 [=====] - 1s 3ms/step - loss: 17.3053 -
auc_115: 0.5059 - val_loss: 13.8184 - val_auc_115: 0.4910
Epoch 478/700
267/267 [=====] - 1s 3ms/step - loss: 20.5624 -
auc_115: 0.5069 - val_loss: 14.3283 - val_auc_115: 0.5105
Epoch 479/700
267/267 [=====] - 1s 3ms/step - loss: 20.7882 -
auc_115: 0.5016 - val_loss: 17.5515 - val_auc_115: 0.5085
Epoch 480/700

267/267 [=====] - 1s 3ms/step - loss: 18.0684 -
auc_115: 0.5038 - val_loss: 14.1054 - val_auc_115: 0.5030
Epoch 481/700
267/267 [=====] - 1s 3ms/step - loss: 21.2395 -
auc_115: 0.5054 - val_loss: 23.8242 - val_auc_115: 0.5001
Epoch 482/700
267/267 [=====] - 1s 3ms/step - loss: 21.6167 -
auc_115: 0.5033 - val_loss: 21.0088 - val_auc_115: 0.4945
Epoch 483/700
267/267 [=====] - 1s 3ms/step - loss: 18.6811 -
auc_115: 0.5046 - val_loss: 7.0084 - val_auc_115: 0.5055
Epoch 484/700
267/267 [=====] - 1s 3ms/step - loss: 18.4024 -
auc_115: 0.5042 - val_loss: 20.9826 - val_auc_115: 0.5041
Epoch 485/700
267/267 [=====] - 1s 3ms/step - loss: 18.0797 -
auc_115: 0.4992 - val_loss: 9.0235 - val_auc_115: 0.5147
Epoch 486/700
267/267 [=====] - 1s 3ms/step - loss: 16.8789 -
auc_115: 0.4981 - val_loss: 14.6162 - val_auc_115: 0.4953
Epoch 487/700
267/267 [=====] - 1s 3ms/step - loss: 19.8152 -
auc_115: 0.5048 - val_loss: 20.2222 - val_auc_115: 0.5049
Epoch 488/700
267/267 [=====] - 1s 3ms/step - loss: 17.3685 -
auc_115: 0.5049 - val_loss: 20.9061 - val_auc_115: 0.4990
Epoch 489/700
267/267 [=====] - 1s 3ms/step - loss: 21.5429 -
auc_115: 0.5032 - val_loss: 11.0609 - val_auc_115: 0.4875
Epoch 490/700
267/267 [=====] - 1s 3ms/step - loss: 17.1479 -
auc_115: 0.5015 - val_loss: 12.8473 - val_auc_115: 0.4924
Epoch 491/700
267/267 [=====] - 1s 3ms/step - loss: 24.5131 -
auc_115: 0.5056 - val_loss: 24.2669 - val_auc_115: 0.4947
Epoch 492/700
267/267 [=====] - 1s 3ms/step - loss: 19.2880 -
auc_115: 0.5035 - val_loss: 22.7917 - val_auc_115: 0.5087
Epoch 493/700
267/267 [=====] - 1s 3ms/step - loss: 17.8607 -
auc_115: 0.5029 - val_loss: 16.7149 - val_auc_115: 0.5096
Epoch 494/700
267/267 [=====] - 1s 3ms/step - loss: 19.2043 -
auc_115: 0.5030 - val_loss: 13.2596 - val_auc_115: 0.4955
Epoch 495/700
267/267 [=====] - 1s 3ms/step - loss: 18.8427 -
auc_115: 0.5005 - val_loss: 13.1821 - val_auc_115: 0.5023
Epoch 496/700

267/267 [=====] - 1s 3ms/step - loss: 21.6549 -
auc_115: 0.5031 - val_loss: 13.5673 - val_auc_115: 0.5075
Epoch 497/700
267/267 [=====] - 1s 3ms/step - loss: 20.1403 -
auc_115: 0.5026 - val_loss: 6.2662 - val_auc_115: 0.5020
Epoch 498/700
267/267 [=====] - 1s 3ms/step - loss: 17.7143 -
auc_115: 0.5051 - val_loss: 12.6818 - val_auc_115: 0.5007
Epoch 499/700
267/267 [=====] - 1s 3ms/step - loss: 21.7913 -
auc_115: 0.5000 - val_loss: 20.7011 - val_auc_115: 0.4950
Epoch 500/700
267/267 [=====] - 1s 3ms/step - loss: 18.5667 -
auc_115: 0.4994 - val_loss: 21.2965 - val_auc_115: 0.4928
Epoch 501/700
267/267 [=====] - 1s 3ms/step - loss: 18.7708 -
auc_115: 0.5048 - val_loss: 16.8845 - val_auc_115: 0.5051
Epoch 502/700
267/267 [=====] - 1s 3ms/step - loss: 17.9935 -
auc_115: 0.5016 - val_loss: 36.8029 - val_auc_115: 0.4944
Epoch 503/700
267/267 [=====] - 1s 3ms/step - loss: 18.2968 -
auc_115: 0.5045 - val_loss: 17.1958 - val_auc_115: 0.4931
Epoch 504/700
267/267 [=====] - 1s 3ms/step - loss: 21.3962 -
auc_115: 0.5012 - val_loss: 14.8150 - val_auc_115: 0.5133
Epoch 505/700
267/267 [=====] - 1s 3ms/step - loss: 21.3627 -
auc_115: 0.5012 - val_loss: 22.3756 - val_auc_115: 0.5094
Epoch 506/700
267/267 [=====] - 1s 3ms/step - loss: 18.6811 -
auc_115: 0.5039 - val_loss: 11.2346 - val_auc_115: 0.5164
Epoch 507/700
267/267 [=====] - 1s 3ms/step - loss: 25.2481 -
auc_115: 0.5047 - val_loss: 24.6883 - val_auc_115: 0.5080
Epoch 508/700
267/267 [=====] - 1s 3ms/step - loss: 16.2252 -
auc_115: 0.5012 - val_loss: 8.7554 - val_auc_115: 0.5047
Epoch 509/700
267/267 [=====] - 1s 3ms/step - loss: 17.5678 -
auc_115: 0.5025 - val_loss: 25.7243 - val_auc_115: 0.4970
Epoch 510/700
267/267 [=====] - 1s 3ms/step - loss: 19.2818 -
auc_115: 0.5059 - val_loss: 13.5308 - val_auc_115: 0.4893
Epoch 511/700
267/267 [=====] - 1s 3ms/step - loss: 20.6530 -
auc_115: 0.4989 - val_loss: 11.8294 - val_auc_115: 0.5004
Epoch 512/700

267/267 [=====] - 1s 3ms/step - loss: 18.4013 -
auc_115: 0.5017 - val_loss: 16.9228 - val_auc_115: 0.4981
Epoch 513/700
267/267 [=====] - 1s 3ms/step - loss: 17.0581 -
auc_115: 0.5044 - val_loss: 18.5422 - val_auc_115: 0.4935
Epoch 514/700
267/267 [=====] - 1s 3ms/step - loss: 22.4707 -
auc_115: 0.5016 - val_loss: 15.9123 - val_auc_115: 0.4998
Epoch 515/700
267/267 [=====] - 1s 3ms/step - loss: 19.4721 -
auc_115: 0.5040 - val_loss: 11.0453 - val_auc_115: 0.4968
Epoch 516/700
267/267 [=====] - 1s 3ms/step - loss: 20.0800 -
auc_115: 0.5049 - val_loss: 22.0087 - val_auc_115: 0.4913
Epoch 517/700
267/267 [=====] - 1s 3ms/step - loss: 16.5787 -
auc_115: 0.5048 - val_loss: 8.8207 - val_auc_115: 0.5094
Epoch 518/700
267/267 [=====] - 1s 3ms/step - loss: 17.2644 -
auc_115: 0.5035 - val_loss: 11.9843 - val_auc_115: 0.4939
Epoch 519/700
267/267 [=====] - 1s 3ms/step - loss: 14.9933 -
auc_115: 0.5060 - val_loss: 19.7808 - val_auc_115: 0.5109
Epoch 520/700
267/267 [=====] - 1s 3ms/step - loss: 20.7743 -
auc_115: 0.5030 - val_loss: 12.1478 - val_auc_115: 0.4931
Epoch 521/700
267/267 [=====] - 1s 3ms/step - loss: 19.0043 -
auc_115: 0.5027 - val_loss: 36.3916 - val_auc_115: 0.5003
Epoch 522/700
267/267 [=====] - 1s 3ms/step - loss: 21.8017 -
auc_115: 0.5026 - val_loss: 17.5771 - val_auc_115: 0.4953
Epoch 523/700
267/267 [=====] - 1s 3ms/step - loss: 21.9980 -
auc_115: 0.5047 - val_loss: 5.9633 - val_auc_115: 0.4996
Epoch 524/700
267/267 [=====] - 1s 3ms/step - loss: 19.0318 -
auc_115: 0.5013 - val_loss: 25.0813 - val_auc_115: 0.4905
Epoch 525/700
267/267 [=====] - 1s 3ms/step - loss: 20.9016 -
auc_115: 0.5023 - val_loss: 17.9191 - val_auc_115: 0.4947
Epoch 526/700
267/267 [=====] - 1s 3ms/step - loss: 17.2904 -
auc_115: 0.5026 - val_loss: 12.3704 - val_auc_115: 0.4974
Epoch 527/700
267/267 [=====] - 1s 3ms/step - loss: 18.3668 -
auc_115: 0.5044 - val_loss: 14.8750 - val_auc_115: 0.5052
Epoch 528/700

267/267 [=====] - 1s 3ms/step - loss: 20.4801 -
auc_115: 0.4994 - val_loss: 7.9397 - val_auc_115: 0.5004
Epoch 529/700
267/267 [=====] - 1s 3ms/step - loss: 22.0617 -
auc_115: 0.5043 - val_loss: 26.5382 - val_auc_115: 0.4905
Epoch 530/700
267/267 [=====] - 1s 3ms/step - loss: 19.5149 -
auc_115: 0.5014 - val_loss: 18.6117 - val_auc_115: 0.4987
Epoch 531/700
267/267 [=====] - 1s 3ms/step - loss: 20.8614 -
auc_115: 0.5017 - val_loss: 22.6047 - val_auc_115: 0.5081
Epoch 532/700
267/267 [=====] - 1s 3ms/step - loss: 15.8591 -
auc_115: 0.5041 - val_loss: 7.6465 - val_auc_115: 0.4969
Epoch 533/700
267/267 [=====] - 1s 3ms/step - loss: 18.9120 -
auc_115: 0.5007 - val_loss: 10.6407 - val_auc_115: 0.4952
Epoch 534/700
267/267 [=====] - 1s 3ms/step - loss: 17.8385 -
auc_115: 0.5026 - val_loss: 23.4049 - val_auc_115: 0.4961
Epoch 535/700
267/267 [=====] - 1s 3ms/step - loss: 15.9326 -
auc_115: 0.5034 - val_loss: 36.7892 - val_auc_115: 0.4957
Epoch 536/700
267/267 [=====] - 1s 3ms/step - loss: 23.0330 -
auc_115: 0.5021 - val_loss: 6.1456 - val_auc_115: 0.5005
Epoch 537/700
267/267 [=====] - 1s 3ms/step - loss: 16.5366 -
auc_115: 0.5052 - val_loss: 18.8527 - val_auc_115: 0.5028
Epoch 538/700
267/267 [=====] - 1s 3ms/step - loss: 20.0983 -
auc_115: 0.5034 - val_loss: 7.7665 - val_auc_115: 0.5032
Epoch 539/700
267/267 [=====] - 1s 3ms/step - loss: 18.4911 -
auc_115: 0.5029 - val_loss: 25.8493 - val_auc_115: 0.5021
Epoch 540/700
267/267 [=====] - 1s 3ms/step - loss: 22.9775 -
auc_115: 0.5020 - val_loss: 24.4281 - val_auc_115: 0.4996
Epoch 541/700
267/267 [=====] - 1s 3ms/step - loss: 22.8873 -
auc_115: 0.5049 - val_loss: 10.4593 - val_auc_115: 0.4960
Epoch 542/700
267/267 [=====] - 1s 3ms/step - loss: 21.0205 -
auc_115: 0.5036 - val_loss: 31.6479 - val_auc_115: 0.5078
Epoch 543/700
267/267 [=====] - 1s 3ms/step - loss: 17.7500 -
auc_115: 0.5084 - val_loss: 7.0613 - val_auc_115: 0.5069
Epoch 544/700

267/267 [=====] - 1s 3ms/step - loss: 19.0610 -
auc_115: 0.5035 - val_loss: 19.9089 - val_auc_115: 0.5024
Epoch 545/700
267/267 [=====] - 1s 3ms/step - loss: 17.9054 -
auc_115: 0.5034 - val_loss: 19.4902 - val_auc_115: 0.5034
Epoch 546/700
267/267 [=====] - 1s 3ms/step - loss: 20.4289 -
auc_115: 0.5030 - val_loss: 21.0558 - val_auc_115: 0.5062
Epoch 547/700
267/267 [=====] - 1s 3ms/step - loss: 19.3647 -
auc_115: 0.5022 - val_loss: 11.6045 - val_auc_115: 0.5001
Epoch 548/700
267/267 [=====] - 1s 3ms/step - loss: 17.5095 -
auc_115: 0.5030 - val_loss: 12.3948 - val_auc_115: 0.5069
Epoch 549/700
267/267 [=====] - 1s 3ms/step - loss: 19.4727 -
auc_115: 0.5012 - val_loss: 56.2598 - val_auc_115: 0.4926
Epoch 550/700
267/267 [=====] - 1s 3ms/step - loss: 20.8216 -
auc_115: 0.5017 - val_loss: 8.3432 - val_auc_115: 0.5025
Epoch 551/700
267/267 [=====] - 1s 3ms/step - loss: 20.4256 -
auc_115: 0.5016 - val_loss: 45.5969 - val_auc_115: 0.5086
Epoch 552/700
267/267 [=====] - 1s 3ms/step - loss: 18.3484 -
auc_115: 0.5026 - val_loss: 18.9808 - val_auc_115: 0.4980
Epoch 553/700
267/267 [=====] - 1s 3ms/step - loss: 20.5927 -
auc_115: 0.5056 - val_loss: 25.4452 - val_auc_115: 0.5082
Epoch 554/700
267/267 [=====] - 1s 3ms/step - loss: 17.8332 -
auc_115: 0.5064 - val_loss: 23.1105 - val_auc_115: 0.5065
Epoch 555/700
267/267 [=====] - 1s 3ms/step - loss: 20.1304 -
auc_115: 0.5016 - val_loss: 15.7664 - val_auc_115: 0.5056
Epoch 556/700
267/267 [=====] - 1s 3ms/step - loss: 22.2320 -
auc_115: 0.5010 - val_loss: 28.4446 - val_auc_115: 0.5104
Epoch 557/700
267/267 [=====] - 1s 3ms/step - loss: 17.4102 -
auc_115: 0.5028 - val_loss: 17.7618 - val_auc_115: 0.5031
Epoch 558/700
267/267 [=====] - 1s 3ms/step - loss: 19.9264 -
auc_115: 0.5026 - val_loss: 40.7221 - val_auc_115: 0.4891
Epoch 559/700
267/267 [=====] - 1s 3ms/step - loss: 17.9524 -
auc_115: 0.5044 - val_loss: 17.5169 - val_auc_115: 0.5146
Epoch 560/700

267/267 [=====] - 1s 3ms/step - loss: 19.2718 -
auc_115: 0.5015 - val_loss: 10.2608 - val_auc_115: 0.4977
Epoch 561/700
267/267 [=====] - 1s 3ms/step - loss: 20.3207 -
auc_115: 0.5040 - val_loss: 11.4253 - val_auc_115: 0.5064
Epoch 562/700
267/267 [=====] - 1s 3ms/step - loss: 20.7288 -
auc_115: 0.5040 - val_loss: 29.9727 - val_auc_115: 0.5063
Epoch 563/700
267/267 [=====] - 1s 3ms/step - loss: 24.7784 -
auc_115: 0.5022 - val_loss: 23.1260 - val_auc_115: 0.5079
Epoch 564/700
267/267 [=====] - 1s 3ms/step - loss: 18.2753 -
auc_115: 0.5051 - val_loss: 13.0512 - val_auc_115: 0.4971
Epoch 565/700
267/267 [=====] - 1s 3ms/step - loss: 20.9075 -
auc_115: 0.4978 - val_loss: 24.7751 - val_auc_115: 0.4964
Epoch 566/700
267/267 [=====] - 1s 3ms/step - loss: 18.0002 -
auc_115: 0.5006 - val_loss: 15.1418 - val_auc_115: 0.4928
Epoch 567/700
267/267 [=====] - 1s 3ms/step - loss: 20.6803 -
auc_115: 0.5016 - val_loss: 14.8250 - val_auc_115: 0.5104
Epoch 568/700
267/267 [=====] - 1s 3ms/step - loss: 20.4774 -
auc_115: 0.5022 - val_loss: 32.3154 - val_auc_115: 0.5059
Epoch 569/700
267/267 [=====] - 1s 3ms/step - loss: 18.6488 -
auc_115: 0.5064 - val_loss: 22.9258 - val_auc_115: 0.5134
Epoch 570/700
267/267 [=====] - 1s 3ms/step - loss: 18.4562 -
auc_115: 0.5034 - val_loss: 19.6697 - val_auc_115: 0.4932
Epoch 571/700
267/267 [=====] - 1s 3ms/step - loss: 19.8293 -
auc_115: 0.5051 - val_loss: 36.9332 - val_auc_115: 0.4972
Epoch 572/700
267/267 [=====] - 1s 3ms/step - loss: 21.0775 -
auc_115: 0.5019 - val_loss: 23.1344 - val_auc_115: 0.5006
Epoch 573/700
267/267 [=====] - 1s 3ms/step - loss: 20.5161 -
auc_115: 0.5015 - val_loss: 46.4970 - val_auc_115: 0.5063
Epoch 574/700
267/267 [=====] - 1s 3ms/step - loss: 22.6858 -
auc_115: 0.5023 - val_loss: 26.5498 - val_auc_115: 0.5061
Epoch 575/700
267/267 [=====] - 1s 3ms/step - loss: 25.7015 -
auc_115: 0.5073 - val_loss: 25.9590 - val_auc_115: 0.5042
Epoch 576/700

267/267 [=====] - 1s 3ms/step - loss: 20.8679 -
 auc_115: 0.5023 - val_loss: 45.3257 - val_auc_115: 0.4981
 Epoch 577/700
 267/267 [=====] - 1s 3ms/step - loss: 17.1616 -
 auc_115: 0.5072 - val_loss: 26.8356 - val_auc_115: 0.5163
 Epoch 578/700
 267/267 [=====] - 1s 3ms/step - loss: 17.4699 -
 auc_115: 0.5043 - val_loss: 22.9118 - val_auc_115: 0.5149
 Epoch 579/700
 267/267 [=====] - 1s 3ms/step - loss: 21.0430 -
 auc_115: 0.5038 - val_loss: 12.5776 - val_auc_115: 0.4975
 Epoch 580/700
 267/267 [=====] - 1s 3ms/step - loss: 14.7804 -
 auc_115: 0.5017 - val_loss: 19.9399 - val_auc_115: 0.4901
 Epoch 581/700
 267/267 [=====] - 1s 3ms/step - loss: 21.6357 -
 auc_115: 0.5042 - val_loss: 25.0068 - val_auc_115: 0.5053
 Epoch 582/700
 267/267 [=====] - 1s 3ms/step - loss: 19.9657 -
 auc_115: 0.4994 - val_loss: 26.2032 - val_auc_115: 0.4988
 Epoch 583/700
 267/267 [=====] - 1s 3ms/step - loss: 17.9169 -
 auc_115: 0.5061 - val_loss: 20.5068 - val_auc_115: 0.4888
 Epoch 584/700
 267/267 [=====] - 1s 3ms/step - loss: 16.0648 -
 auc_115: 0.5030 - val_loss: 18.7691 - val_auc_115: 0.4957
 Epoch 585/700
 267/267 [=====] - 1s 3ms/step - loss: 19.5264 -
 auc_115: 0.5024 - val_loss: 30.0458 - val_auc_115: 0.4939
 Epoch 586/700
 267/267 [=====] - 1s 3ms/step - loss: 19.1523 -
 auc_115: 0.4989 - val_loss: 29.2920 - val_auc_115: 0.5048
 Epoch 587/700
 267/267 [=====] - 1s 3ms/step - loss: 17.7609 -
 auc_115: 0.5052 - val_loss: 9.1054 - val_auc_115: 0.5051
 Epoch 588/700
 267/267 [=====] - 1s 3ms/step - loss: 18.6042 -
 auc_115: 0.4996 - val_loss: 19.7468 - val_auc_115: 0.5077
 Epoch 589/700
 267/267 [=====] - 1s 3ms/step - loss: 18.7623 -
 auc_115: 0.5029 - val_loss: 14.9686 - val_auc_115: 0.4981
 Epoch 590/700
 267/267 [=====] - 1s 3ms/step - loss: 17.0897 -
 auc_115: 0.5009 - val_loss: 8.3631 - val_auc_115: 0.5205
 Epoch 591/700
 267/267 [=====] - 1s 3ms/step - loss: 19.8246 -
 auc_115: 0.5055 - val_loss: 15.3424 - val_auc_115: 0.4942
 Epoch 592/700

267/267 [=====] - 1s 3ms/step - loss: 22.9087 -
auc_115: 0.5040 - val_loss: 15.9302 - val_auc_115: 0.5042
Epoch 593/700
267/267 [=====] - 1s 3ms/step - loss: 21.0540 -
auc_115: 0.5040 - val_loss: 35.3651 - val_auc_115: 0.4948
Epoch 594/700
267/267 [=====] - 1s 3ms/step - loss: 18.1058 -
auc_115: 0.5047 - val_loss: 17.3687 - val_auc_115: 0.4992
Epoch 595/700
267/267 [=====] - 1s 3ms/step - loss: 18.3127 -
auc_115: 0.5049 - val_loss: 7.0347 - val_auc_115: 0.4979
Epoch 596/700
267/267 [=====] - 1s 3ms/step - loss: 16.8632 -
auc_115: 0.5051 - val_loss: 13.1818 - val_auc_115: 0.5011
Epoch 597/700
267/267 [=====] - 1s 3ms/step - loss: 16.3264 -
auc_115: 0.5030 - val_loss: 20.3926 - val_auc_115: 0.4951
Epoch 598/700
267/267 [=====] - 1s 3ms/step - loss: 21.4571 -
auc_115: 0.5023 - val_loss: 17.7906 - val_auc_115: 0.4973
Epoch 599/700
267/267 [=====] - 1s 3ms/step - loss: 23.6444 -
auc_115: 0.5002 - val_loss: 34.9822 - val_auc_115: 0.4925
Epoch 600/700
267/267 [=====] - 1s 3ms/step - loss: 16.0811 -
auc_115: 0.5006 - val_loss: 12.5752 - val_auc_115: 0.5106
Epoch 601/700
267/267 [=====] - 1s 3ms/step - loss: 20.0292 -
auc_115: 0.4999 - val_loss: 24.4017 - val_auc_115: 0.5105
Epoch 602/700
267/267 [=====] - 1s 3ms/step - loss: 22.6443 -
auc_115: 0.5061 - val_loss: 16.8258 - val_auc_115: 0.5090
Epoch 603/700
267/267 [=====] - 1s 3ms/step - loss: 21.3355 -
auc_115: 0.5034 - val_loss: 25.9351 - val_auc_115: 0.4993
Epoch 604/700
267/267 [=====] - 1s 3ms/step - loss: 18.9828 -
auc_115: 0.5012 - val_loss: 37.7530 - val_auc_115: 0.5117
Epoch 605/700
267/267 [=====] - 1s 3ms/step - loss: 23.8504 -
auc_115: 0.5008 - val_loss: 34.0254 - val_auc_115: 0.5010
Epoch 606/700
267/267 [=====] - 1s 3ms/step - loss: 19.0730 -
auc_115: 0.5062 - val_loss: 28.1237 - val_auc_115: 0.5059
Epoch 607/700
267/267 [=====] - 1s 3ms/step - loss: 18.2030 -
auc_115: 0.5046 - val_loss: 16.8615 - val_auc_115: 0.5112
Epoch 608/700

267/267 [=====] - 1s 3ms/step - loss: 22.1752 -
auc_115: 0.5051 - val_loss: 32.4022 - val_auc_115: 0.4947
Epoch 609/700
267/267 [=====] - 1s 3ms/step - loss: 18.5750 -
auc_115: 0.5061 - val_loss: 22.9373 - val_auc_115: 0.4993
Epoch 610/700
267/267 [=====] - 1s 3ms/step - loss: 13.9340 -
auc_115: 0.5077 - val_loss: 14.8701 - val_auc_115: 0.4966
Epoch 611/700
267/267 [=====] - 1s 3ms/step - loss: 18.9792 -
auc_115: 0.5037 - val_loss: 20.4358 - val_auc_115: 0.4930
Epoch 612/700
267/267 [=====] - 1s 3ms/step - loss: 18.8972 -
auc_115: 0.5029 - val_loss: 13.4198 - val_auc_115: 0.4886
Epoch 613/700
267/267 [=====] - 1s 3ms/step - loss: 16.8436 -
auc_115: 0.5072 - val_loss: 7.0549 - val_auc_115: 0.5001
Epoch 614/700
267/267 [=====] - 1s 3ms/step - loss: 22.6792 -
auc_115: 0.5049 - val_loss: 12.6985 - val_auc_115: 0.4983
Epoch 615/700
267/267 [=====] - 1s 3ms/step - loss: 17.9342 -
auc_115: 0.5027 - val_loss: 13.8613 - val_auc_115: 0.4983
Epoch 616/700
267/267 [=====] - 1s 3ms/step - loss: 22.5025 -
auc_115: 0.5007 - val_loss: 27.2507 - val_auc_115: 0.4859
Epoch 617/700
267/267 [=====] - 1s 3ms/step - loss: 22.4116 -
auc_115: 0.5047 - val_loss: 17.4657 - val_auc_115: 0.5012
Epoch 618/700
267/267 [=====] - 1s 3ms/step - loss: 17.5027 -
auc_115: 0.5036 - val_loss: 12.1335 - val_auc_115: 0.5126
Epoch 619/700
267/267 [=====] - 1s 3ms/step - loss: 18.0718 -
auc_115: 0.5016 - val_loss: 13.0525 - val_auc_115: 0.5131
Epoch 620/700
267/267 [=====] - 1s 3ms/step - loss: 19.4588 -
auc_115: 0.4996 - val_loss: 26.5070 - val_auc_115: 0.5052
Epoch 621/700
267/267 [=====] - 1s 3ms/step - loss: 18.2595 -
auc_115: 0.5050 - val_loss: 31.5092 - val_auc_115: 0.5108
Epoch 622/700
267/267 [=====] - 1s 3ms/step - loss: 23.0089 -
auc_115: 0.5051 - val_loss: 20.6210 - val_auc_115: 0.5067
Epoch 623/700
267/267 [=====] - 1s 3ms/step - loss: 17.7347 -
auc_115: 0.5035 - val_loss: 21.1698 - val_auc_115: 0.5020
Epoch 624/700

267/267 [=====] - 1s 3ms/step - loss: 21.6302 -
auc_115: 0.5010 - val_loss: 13.2609 - val_auc_115: 0.4971
Epoch 625/700
267/267 [=====] - 1s 3ms/step - loss: 19.7412 -
auc_115: 0.5037 - val_loss: 11.8319 - val_auc_115: 0.5076
Epoch 626/700
267/267 [=====] - 1s 3ms/step - loss: 16.9507 -
auc_115: 0.5052 - val_loss: 13.3033 - val_auc_115: 0.5065
Epoch 627/700
267/267 [=====] - 1s 3ms/step - loss: 19.8535 -
auc_115: 0.5032 - val_loss: 17.5936 - val_auc_115: 0.5043
Epoch 628/700
267/267 [=====] - 1s 3ms/step - loss: 20.2687 -
auc_115: 0.5026 - val_loss: 24.3415 - val_auc_115: 0.5076
Epoch 629/700
267/267 [=====] - 1s 3ms/step - loss: 18.4265 -
auc_115: 0.5032 - val_loss: 20.2836 - val_auc_115: 0.5088
Epoch 630/700
267/267 [=====] - 1s 3ms/step - loss: 19.7792 -
auc_115: 0.5035 - val_loss: 11.7518 - val_auc_115: 0.4976
Epoch 631/700
267/267 [=====] - 1s 3ms/step - loss: 20.6972 -
auc_115: 0.5051 - val_loss: 27.5025 - val_auc_115: 0.5039
Epoch 632/700
267/267 [=====] - 1s 3ms/step - loss: 18.3430 -
auc_115: 0.5033 - val_loss: 23.0710 - val_auc_115: 0.4879
Epoch 633/700
267/267 [=====] - 1s 3ms/step - loss: 20.4480 -
auc_115: 0.5024 - val_loss: 30.9847 - val_auc_115: 0.5113
Epoch 634/700
267/267 [=====] - 1s 3ms/step - loss: 20.9356 -
auc_115: 0.5014 - val_loss: 11.3948 - val_auc_115: 0.4963
Epoch 635/700
267/267 [=====] - 1s 3ms/step - loss: 22.8136 -
auc_115: 0.4972 - val_loss: 12.6036 - val_auc_115: 0.4887
Epoch 636/700
267/267 [=====] - 1s 3ms/step - loss: 16.2566 -
auc_115: 0.5018 - val_loss: 30.5106 - val_auc_115: 0.5016
Epoch 637/700
267/267 [=====] - 1s 3ms/step - loss: 19.5572 -
auc_115: 0.5032 - val_loss: 10.8704 - val_auc_115: 0.5042
Epoch 638/700
267/267 [=====] - 1s 3ms/step - loss: 17.0363 -
auc_115: 0.5048 - val_loss: 14.9444 - val_auc_115: 0.5042
Epoch 639/700
267/267 [=====] - 1s 3ms/step - loss: 16.4321 -
auc_115: 0.5018 - val_loss: 25.1741 - val_auc_115: 0.4950
Epoch 640/700

267/267 [=====] - 1s 3ms/step - loss: 20.8038 -
auc_115: 0.5021 - val_loss: 15.5438 - val_auc_115: 0.4948
Epoch 641/700
267/267 [=====] - 1s 3ms/step - loss: 18.9456 -
auc_115: 0.5036 - val_loss: 6.0636 - val_auc_115: 0.4898
Epoch 642/700
267/267 [=====] - 1s 3ms/step - loss: 19.7487 -
auc_115: 0.5038 - val_loss: 30.2843 - val_auc_115: 0.4904
Epoch 643/700
267/267 [=====] - 1s 3ms/step - loss: 21.9521 -
auc_115: 0.5026 - val_loss: 32.2155 - val_auc_115: 0.4998
Epoch 644/700
267/267 [=====] - 1s 3ms/step - loss: 20.8715 -
auc_115: 0.5052 - val_loss: 33.8994 - val_auc_115: 0.5065
Epoch 645/700
267/267 [=====] - 1s 3ms/step - loss: 19.8448 -
auc_115: 0.5018 - val_loss: 43.4381 - val_auc_115: 0.4956
Epoch 646/700
267/267 [=====] - 1s 3ms/step - loss: 19.3685 -
auc_115: 0.5048 - val_loss: 36.6475 - val_auc_115: 0.5051
Epoch 647/700
267/267 [=====] - 1s 3ms/step - loss: 17.0045 -
auc_115: 0.5035 - val_loss: 8.1991 - val_auc_115: 0.5091
Epoch 648/700
267/267 [=====] - 1s 3ms/step - loss: 17.4947 -
auc_115: 0.5095 - val_loss: 18.9171 - val_auc_115: 0.5046
Epoch 649/700
267/267 [=====] - 1s 3ms/step - loss: 18.6088 -
auc_115: 0.5052 - val_loss: 23.9423 - val_auc_115: 0.4953
Epoch 650/700
267/267 [=====] - 1s 3ms/step - loss: 25.0566 -
auc_115: 0.4976 - val_loss: 23.6635 - val_auc_115: 0.5057
Epoch 651/700
267/267 [=====] - 1s 3ms/step - loss: 20.0298 -
auc_115: 0.5042 - val_loss: 16.5774 - val_auc_115: 0.5024
Epoch 652/700
267/267 [=====] - 1s 3ms/step - loss: 19.2739 -
auc_115: 0.5015 - val_loss: 17.2053 - val_auc_115: 0.5063
Epoch 653/700
267/267 [=====] - 1s 3ms/step - loss: 18.3924 -
auc_115: 0.5005 - val_loss: 19.6641 - val_auc_115: 0.5109
Epoch 654/700
267/267 [=====] - 1s 3ms/step - loss: 19.1580 -
auc_115: 0.5020 - val_loss: 13.0175 - val_auc_115: 0.4882
Epoch 655/700
267/267 [=====] - 1s 3ms/step - loss: 22.8066 -
auc_115: 0.5016 - val_loss: 25.9633 - val_auc_115: 0.4998
Epoch 656/700

267/267 [=====] - 1s 3ms/step - loss: 18.9433 -
auc_115: 0.5036 - val_loss: 23.8711 - val_auc_115: 0.5064
Epoch 657/700
267/267 [=====] - 1s 3ms/step - loss: 17.9631 -
auc_115: 0.5017 - val_loss: 11.1032 - val_auc_115: 0.5054
Epoch 658/700
267/267 [=====] - 1s 3ms/step - loss: 18.9443 -
auc_115: 0.5072 - val_loss: 18.5034 - val_auc_115: 0.5003
Epoch 659/700
267/267 [=====] - 1s 3ms/step - loss: 21.6296 -
auc_115: 0.5055 - val_loss: 9.0175 - val_auc_115: 0.5024
Epoch 660/700
267/267 [=====] - 1s 3ms/step - loss: 19.7489 -
auc_115: 0.5041 - val_loss: 15.7750 - val_auc_115: 0.5099
Epoch 661/700
267/267 [=====] - 1s 3ms/step - loss: 22.0371 -
auc_115: 0.5004 - val_loss: 31.2353 - val_auc_115: 0.5070
Epoch 662/700
267/267 [=====] - 1s 3ms/step - loss: 22.9728 -
auc_115: 0.5017 - val_loss: 13.1291 - val_auc_115: 0.5025
Epoch 663/700
267/267 [=====] - 1s 3ms/step - loss: 15.7090 -
auc_115: 0.5065 - val_loss: 12.9105 - val_auc_115: 0.5016
Epoch 664/700
267/267 [=====] - 1s 3ms/step - loss: 19.9751 -
auc_115: 0.4988 - val_loss: 27.8810 - val_auc_115: 0.4987
Epoch 665/700
267/267 [=====] - 1s 3ms/step - loss: 22.7029 -
auc_115: 0.5049 - val_loss: 46.0607 - val_auc_115: 0.4991
Epoch 666/700
267/267 [=====] - 1s 3ms/step - loss: 22.5426 -
auc_115: 0.5049 - val_loss: 12.6577 - val_auc_115: 0.4888
Epoch 667/700
267/267 [=====] - 1s 3ms/step - loss: 17.5505 -
auc_115: 0.5019 - val_loss: 15.9075 - val_auc_115: 0.5112
Epoch 668/700
267/267 [=====] - 1s 3ms/step - loss: 16.3591 -
auc_115: 0.5067 - val_loss: 17.0333 - val_auc_115: 0.4930
Epoch 669/700
267/267 [=====] - 1s 3ms/step - loss: 23.1472 -
auc_115: 0.5025 - val_loss: 26.6850 - val_auc_115: 0.5077
Epoch 670/700
267/267 [=====] - 1s 3ms/step - loss: 22.3385 -
auc_115: 0.5034 - val_loss: 14.3361 - val_auc_115: 0.5080
Epoch 671/700
267/267 [=====] - 1s 3ms/step - loss: 21.6754 -
auc_115: 0.5072 - val_loss: 18.6922 - val_auc_115: 0.5060
Epoch 672/700

267/267 [=====] - 1s 3ms/step - loss: 20.4086 -
auc_115: 0.5008 - val_loss: 14.7911 - val_auc_115: 0.4948
Epoch 673/700
267/267 [=====] - 1s 3ms/step - loss: 17.7433 -
auc_115: 0.5035 - val_loss: 36.5136 - val_auc_115: 0.4974
Epoch 674/700
267/267 [=====] - 1s 3ms/step - loss: 22.3047 -
auc_115: 0.5006 - val_loss: 18.2150 - val_auc_115: 0.4986
Epoch 675/700
267/267 [=====] - 1s 3ms/step - loss: 19.5080 -
auc_115: 0.5024 - val_loss: 27.9985 - val_auc_115: 0.5012
Epoch 676/700
267/267 [=====] - 1s 3ms/step - loss: 26.0845 -
auc_115: 0.5033 - val_loss: 13.3201 - val_auc_115: 0.5086
Epoch 677/700
267/267 [=====] - 1s 3ms/step - loss: 21.9635 -
auc_115: 0.5024 - val_loss: 7.9376 - val_auc_115: 0.5057
Epoch 678/700
267/267 [=====] - 1s 3ms/step - loss: 18.0736 -
auc_115: 0.5023 - val_loss: 13.4724 - val_auc_115: 0.4870
Epoch 679/700
267/267 [=====] - 1s 3ms/step - loss: 18.8394 -
auc_115: 0.5027 - val_loss: 21.1188 - val_auc_115: 0.5023
Epoch 680/700
267/267 [=====] - 1s 3ms/step - loss: 19.6292 -
auc_115: 0.5000 - val_loss: 4.7911 - val_auc_115: 0.4956
Epoch 681/700
267/267 [=====] - 1s 3ms/step - loss: 17.8412 -
auc_115: 0.5029 - val_loss: 14.1496 - val_auc_115: 0.4891
Epoch 682/700
267/267 [=====] - 1s 3ms/step - loss: 18.2951 -
auc_115: 0.4995 - val_loss: 17.3945 - val_auc_115: 0.5038
Epoch 683/700
267/267 [=====] - 1s 3ms/step - loss: 20.6225 -
auc_115: 0.5029 - val_loss: 16.1786 - val_auc_115: 0.5104
Epoch 684/700
267/267 [=====] - 1s 3ms/step - loss: 22.0829 -
auc_115: 0.5018 - val_loss: 23.6700 - val_auc_115: 0.5132
Epoch 685/700
267/267 [=====] - 1s 3ms/step - loss: 18.1112 -
auc_115: 0.5063 - val_loss: 12.6253 - val_auc_115: 0.5045
Epoch 686/700
267/267 [=====] - 1s 3ms/step - loss: 21.7096 -
auc_115: 0.5037 - val_loss: 27.4017 - val_auc_115: 0.4912
Epoch 687/700
267/267 [=====] - 1s 3ms/step - loss: 21.3581 -
auc_115: 0.5015 - val_loss: 28.1549 - val_auc_115: 0.5067
Epoch 688/700

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267/267 [=====] - 1s 3ms/step - loss: 20.3099 -
auc_115: 0.5004 - val_loss: 28.7523 - val_auc_115: 0.4958
Epoch 689/700
267/267 [=====] - 1s 3ms/step - loss: 21.2132 -
auc_115: 0.4995 - val_loss: 14.4440 - val_auc_115: 0.4934
Epoch 690/700
267/267 [=====] - 1s 3ms/step - loss: 22.2938 -
auc_115: 0.5018 - val_loss: 24.5972 - val_auc_115: 0.4925
Epoch 691/700
267/267 [=====] - 1s 3ms/step - loss: 19.5018 -
auc_115: 0.4987 - val_loss: 12.0520 - val_auc_115: 0.5001
Epoch 692/700
267/267 [=====] - 1s 3ms/step - loss: 18.3365 -
auc_115: 0.5002 - val_loss: 17.3284 - val_auc_115: 0.4963
Epoch 693/700
267/267 [=====] - 1s 3ms/step - loss: 18.3059 -
auc_115: 0.5020 - val_loss: 23.4351 - val_auc_115: 0.5020
Epoch 694/700
267/267 [=====] - 1s 3ms/step - loss: 17.8104 -
auc_115: 0.5056 - val_loss: 12.7701 - val_auc_115: 0.4984
Epoch 695/700
267/267 [=====] - 1s 3ms/step - loss: 19.2622 -
auc_115: 0.5026 - val_loss: 4.9872 - val_auc_115: 0.4926
Epoch 696/700
267/267 [=====] - 1s 3ms/step - loss: 19.1542 -
auc_115: 0.5031 - val_loss: 16.9038 - val_auc_115: 0.4989
Epoch 697/700
267/267 [=====] - 1s 3ms/step - loss: 21.4130 -
auc_115: 0.5012 - val_loss: 30.6524 - val_auc_115: 0.5049
Epoch 698/700
267/267 [=====] - 1s 3ms/step - loss: 17.9374 -
auc_115: 0.5016 - val_loss: 13.0249 - val_auc_115: 0.5023
Epoch 699/700
267/267 [=====] - 1s 3ms/step - loss: 22.0790 -
auc_115: 0.5009 - val_loss: 30.7835 - val_auc_115: 0.5056
Epoch 700/700
267/267 [=====] - 1s 3ms/step - loss: 17.6555 -
auc_115: 0.5017 - val_loss: 18.8839 - val_auc_115: 0.5028
625/625 [=====] - 0s 544us/step
[CV] ... epochs=700, learning_rate=0.1, score=0.495, total= 9.2min
Epoch 1/700

[Parallel(n_jobs=1)]: Done 45 out of 45 | elapsed: 270.1min finished

334/334 [=====] - 1s 3ms/step - loss: 5.3413 - auc_116:
0.4937 - val_loss: 1.1091 - val_auc_116: 0.4963
Epoch 2/700
334/334 [=====] - 1s 3ms/step - loss: 1.0419 - auc_116:
0.4966 - val_loss: 1.0798 - val_auc_116: 0.4981

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Epoch 3/700
334/334 [=====] - 1s 3ms/step - loss: 1.0134 - auc_116:
0.5003 - val_loss: 1.0183 - val_auc_116: 0.5017

Epoch 4/700
334/334 [=====] - 1s 3ms/step - loss: 0.9983 - auc_116:
0.4979 - val_loss: 1.0819 - val_auc_116: 0.5026

Epoch 5/700
334/334 [=====] - 1s 3ms/step - loss: 0.9699 - auc_116:
0.5002 - val_loss: 1.0229 - val_auc_116: 0.4984

Epoch 6/700
334/334 [=====] - 1s 3ms/step - loss: 0.9745 - auc_116:
0.5004 - val_loss: 0.9427 - val_auc_116: 0.5039

Epoch 7/700
334/334 [=====] - 1s 3ms/step - loss: 0.9470 - auc_116:
0.5009 - val_loss: 0.9741 - val_auc_116: 0.4999

Epoch 8/700
334/334 [=====] - 1s 3ms/step - loss: 0.9634 - auc_116:
0.5002 - val_loss: 1.0143 - val_auc_116: 0.4967

Epoch 9/700
334/334 [=====] - 1s 3ms/step - loss: 0.9356 - auc_116:
0.5015 - val_loss: 1.0274 - val_auc_116: 0.4994

Epoch 10/700
334/334 [=====] - 1s 3ms/step - loss: 0.9153 - auc_116:
0.5024 - val_loss: 0.9244 - val_auc_116: 0.4966

Epoch 11/700
334/334 [=====] - 1s 3ms/step - loss: 0.9233 - auc_116:
0.5015 - val_loss: 1.0516 - val_auc_116: 0.4969

Epoch 12/700
334/334 [=====] - 1s 3ms/step - loss: 0.9091 - auc_116:
0.5029 - val_loss: 0.9160 - val_auc_116: 0.5004

Epoch 13/700
334/334 [=====] - 1s 3ms/step - loss: 0.9143 - auc_116:
0.5034 - val_loss: 0.9500 - val_auc_116: 0.5020

Epoch 14/700
334/334 [=====] - 1s 3ms/step - loss: 0.9199 - auc_116:
0.5032 - val_loss: 0.8964 - val_auc_116: 0.5023

Epoch 15/700
334/334 [=====] - 1s 3ms/step - loss: 0.8789 - auc_116:
0.5041 - val_loss: 0.8983 - val_auc_116: 0.5008

Epoch 16/700
334/334 [=====] - 1s 3ms/step - loss: 0.8977 - auc_116:
0.5048 - val_loss: 0.8636 - val_auc_116: 0.5043

Epoch 17/700
334/334 [=====] - 1s 3ms/step - loss: 0.8827 - auc_116:
0.5047 - val_loss: 0.8825 - val_auc_116: 0.5028

Epoch 18/700
334/334 [=====] - 1s 3ms/step - loss: 0.9051 - auc_116:
0.5033 - val_loss: 0.8528 - val_auc_116: 0.5008

Epoch 19/700
334/334 [=====] - 1s 3ms/step - loss: 0.8994 - auc_116:
0.5039 - val_loss: 0.8961 - val_auc_116: 0.5029

Epoch 20/700
334/334 [=====] - 1s 3ms/step - loss: 0.8738 - auc_116:
0.5051 - val_loss: 0.8683 - val_auc_116: 0.5022

Epoch 21/700
334/334 [=====] - 1s 3ms/step - loss: 0.8765 - auc_116:
0.5046 - val_loss: 0.9803 - val_auc_116: 0.5051

Epoch 22/700
334/334 [=====] - 1s 3ms/step - loss: 0.8768 - auc_116:
0.5053 - val_loss: 0.8521 - val_auc_116: 0.5012

Epoch 23/700
334/334 [=====] - 1s 3ms/step - loss: 0.8751 - auc_116:
0.5053 - val_loss: 0.8809 - val_auc_116: 0.5002

Epoch 24/700
334/334 [=====] - 1s 3ms/step - loss: 0.8666 - auc_116:
0.5060 - val_loss: 0.8656 - val_auc_116: 0.4994

Epoch 25/700
334/334 [=====] - 1s 3ms/step - loss: 0.8477 - auc_116:
0.5061 - val_loss: 0.8259 - val_auc_116: 0.5043

Epoch 26/700
334/334 [=====] - 1s 3ms/step - loss: 0.8756 - auc_116:
0.5047 - val_loss: 0.8690 - val_auc_116: 0.4985

Epoch 27/700
334/334 [=====] - 1s 3ms/step - loss: 0.8451 - auc_116:
0.5065 - val_loss: 0.9864 - val_auc_116: 0.5013

Epoch 28/700
334/334 [=====] - 1s 3ms/step - loss: 0.8517 - auc_116:
0.5062 - val_loss: 0.9494 - val_auc_116: 0.5035

Epoch 29/700
334/334 [=====] - 1s 3ms/step - loss: 0.8585 - auc_116:
0.5057 - val_loss: 0.9279 - val_auc_116: 0.5053

Epoch 30/700
334/334 [=====] - 1s 3ms/step - loss: 0.9028 - auc_116:
0.5050 - val_loss: 0.8417 - val_auc_116: 0.5074

Epoch 31/700
334/334 [=====] - 1s 3ms/step - loss: 0.8454 - auc_116:
0.5082 - val_loss: 0.9573 - val_auc_116: 0.5008

Epoch 32/700
334/334 [=====] - 1s 3ms/step - loss: 0.8561 - auc_116:
0.5045 - val_loss: 0.8384 - val_auc_116: 0.5086

Epoch 33/700
334/334 [=====] - 1s 3ms/step - loss: 0.8389 - auc_116:
0.5062 - val_loss: 0.8605 - val_auc_116: 0.5068

Epoch 34/700
334/334 [=====] - 1s 3ms/step - loss: 0.8457 - auc_116:
0.5059 - val_loss: 0.8086 - val_auc_116: 0.5001

Epoch 35/700
334/334 [=====] - 1s 3ms/step - loss: 0.8504 - auc_116:
0.5083 - val_loss: 0.8032 - val_auc_116: 0.5094

Epoch 36/700
334/334 [=====] - 1s 3ms/step - loss: 0.8495 - auc_116:
0.5077 - val_loss: 0.8402 - val_auc_116: 0.5044

Epoch 37/700
334/334 [=====] - 1s 3ms/step - loss: 0.8363 - auc_116:
0.5048 - val_loss: 0.8100 - val_auc_116: 0.5047

Epoch 38/700
334/334 [=====] - 1s 3ms/step - loss: 0.8211 - auc_116:
0.5093 - val_loss: 0.7970 - val_auc_116: 0.5042

Epoch 39/700
334/334 [=====] - 1s 3ms/step - loss: 0.8546 - auc_116:
0.5057 - val_loss: 0.7900 - val_auc_116: 0.5037

Epoch 40/700
334/334 [=====] - 1s 3ms/step - loss: 0.8271 - auc_116:
0.5077 - val_loss: 0.7949 - val_auc_116: 0.5090

Epoch 41/700
334/334 [=====] - 1s 3ms/step - loss: 0.8359 - auc_116:
0.5079 - val_loss: 0.7685 - val_auc_116: 0.5070

Epoch 42/700
334/334 [=====] - 1s 3ms/step - loss: 0.8177 - auc_116:
0.5084 - val_loss: 0.8587 - val_auc_116: 0.4993

Epoch 43/700
334/334 [=====] - 1s 3ms/step - loss: 0.8234 - auc_116:
0.5068 - val_loss: 1.0219 - val_auc_116: 0.5056

Epoch 44/700
334/334 [=====] - 1s 3ms/step - loss: 0.8163 - auc_116:
0.5088 - val_loss: 0.8056 - val_auc_116: 0.5058

Epoch 45/700
334/334 [=====] - 1s 3ms/step - loss: 0.8177 - auc_116:
0.5095 - val_loss: 0.7479 - val_auc_116: 0.5033

Epoch 46/700
334/334 [=====] - 1s 3ms/step - loss: 0.8114 - auc_116:
0.5078 - val_loss: 0.7712 - val_auc_116: 0.5096

Epoch 47/700
334/334 [=====] - 1s 3ms/step - loss: 0.8102 - auc_116:
0.5057 - val_loss: 0.8878 - val_auc_116: 0.5014

Epoch 48/700
334/334 [=====] - 1s 3ms/step - loss: 0.8242 - auc_116:
0.5084 - val_loss: 0.8057 - val_auc_116: 0.5043

Epoch 49/700
334/334 [=====] - 1s 3ms/step - loss: 0.7967 - auc_116:
0.5074 - val_loss: 0.7390 - val_auc_116: 0.5110

Epoch 50/700
334/334 [=====] - 1s 3ms/step - loss: 0.7985 - auc_116:
0.5085 - val_loss: 0.7971 - val_auc_116: 0.5108

Epoch 51/700
334/334 [=====] - 1s 3ms/step - loss: 0.8386 - auc_116:
0.5087 - val_loss: 0.7975 - val_auc_116: 0.5120
Epoch 52/700
334/334 [=====] - 1s 3ms/step - loss: 0.7967 - auc_116:
0.5080 - val_loss: 0.8117 - val_auc_116: 0.5072
Epoch 53/700
334/334 [=====] - 1s 3ms/step - loss: 0.8062 - auc_116:
0.5102 - val_loss: 1.0402 - val_auc_116: 0.5042
Epoch 54/700
334/334 [=====] - 1s 3ms/step - loss: 0.8229 - auc_116:
0.5116 - val_loss: 0.8637 - val_auc_116: 0.5051
Epoch 55/700
334/334 [=====] - 1s 3ms/step - loss: 0.8098 - auc_116:
0.5080 - val_loss: 0.8191 - val_auc_116: 0.5075
Epoch 56/700
334/334 [=====] - 1s 3ms/step - loss: 0.7934 - auc_116:
0.5087 - val_loss: 0.8133 - val_auc_116: 0.5112
Epoch 57/700
334/334 [=====] - 1s 3ms/step - loss: 0.8104 - auc_116:
0.5089 - val_loss: 0.7458 - val_auc_116: 0.5084
Epoch 58/700
334/334 [=====] - 1s 3ms/step - loss: 0.7979 - auc_116:
0.5077 - val_loss: 0.8144 - val_auc_116: 0.5075
Epoch 59/700
334/334 [=====] - 1s 3ms/step - loss: 0.8406 - auc_116:
0.5089 - val_loss: 0.9344 - val_auc_116: 0.5054
Epoch 60/700
334/334 [=====] - 1s 3ms/step - loss: 0.8275 - auc_116:
0.5080 - val_loss: 0.7680 - val_auc_116: 0.5087
Epoch 61/700
334/334 [=====] - 1s 3ms/step - loss: 0.8191 - auc_116:
0.5082 - val_loss: 0.8569 - val_auc_116: 0.5040
Epoch 62/700
334/334 [=====] - 1s 3ms/step - loss: 0.8021 - auc_116:
0.5098 - val_loss: 0.7888 - val_auc_116: 0.5113
Epoch 63/700
334/334 [=====] - 1s 3ms/step - loss: 0.8125 - auc_116:
0.5099 - val_loss: 0.8239 - val_auc_116: 0.5076
Epoch 64/700
334/334 [=====] - 1s 3ms/step - loss: 0.7937 - auc_116:
0.5102 - val_loss: 0.9018 - val_auc_116: 0.5114
Epoch 65/700
334/334 [=====] - 1s 3ms/step - loss: 0.7956 - auc_116:
0.5073 - val_loss: 0.8563 - val_auc_116: 0.5114
Epoch 66/700
334/334 [=====] - 1s 3ms/step - loss: 0.8088 - auc_116:
0.5087 - val_loss: 0.7674 - val_auc_116: 0.5064

Epoch 67/700
334/334 [=====] - 1s 3ms/step - loss: 0.7924 - auc_116:
0.5108 - val_loss: 0.8458 - val_auc_116: 0.5075
Epoch 68/700
334/334 [=====] - 1s 3ms/step - loss: 0.8076 - auc_116:
0.5086 - val_loss: 0.7963 - val_auc_116: 0.5057
Epoch 69/700
334/334 [=====] - 1s 3ms/step - loss: 0.7983 - auc_116:
0.5107 - val_loss: 0.7855 - val_auc_116: 0.5040
Epoch 70/700
334/334 [=====] - 1s 3ms/step - loss: 0.8143 - auc_116:
0.5105 - val_loss: 0.8505 - val_auc_116: 0.5049
Epoch 71/700
334/334 [=====] - 1s 3ms/step - loss: 0.8102 - auc_116:
0.5097 - val_loss: 0.8174 - val_auc_116: 0.5058
Epoch 72/700
334/334 [=====] - 1s 3ms/step - loss: 0.8118 - auc_116:
0.5094 - val_loss: 0.7633 - val_auc_116: 0.5080
Epoch 73/700
334/334 [=====] - 1s 3ms/step - loss: 0.8019 - auc_116:
0.5085 - val_loss: 0.7523 - val_auc_116: 0.5067
Epoch 74/700
334/334 [=====] - 1s 3ms/step - loss: 0.7970 - auc_116:
0.5106 - val_loss: 0.8191 - val_auc_116: 0.5038
Epoch 75/700
334/334 [=====] - 1s 3ms/step - loss: 0.8089 - auc_116:
0.5114 - val_loss: 0.7971 - val_auc_116: 0.5105
Epoch 76/700
334/334 [=====] - 1s 3ms/step - loss: 0.7944 - auc_116:
0.5096 - val_loss: 0.7691 - val_auc_116: 0.5082
Epoch 77/700
334/334 [=====] - 1s 3ms/step - loss: 0.8117 - auc_116:
0.5109 - val_loss: 0.8313 - val_auc_116: 0.5072
Epoch 78/700
334/334 [=====] - 1s 3ms/step - loss: 0.7841 - auc_116:
0.5116 - val_loss: 0.8591 - val_auc_116: 0.5068
Epoch 79/700
334/334 [=====] - 1s 3ms/step - loss: 0.7937 - auc_116:
0.5097 - val_loss: 0.7797 - val_auc_116: 0.5098
Epoch 80/700
334/334 [=====] - 1s 3ms/step - loss: 0.8100 - auc_116:
0.5110 - val_loss: 0.7319 - val_auc_116: 0.5092
Epoch 81/700
334/334 [=====] - 1s 3ms/step - loss: 0.7870 - auc_116:
0.5104 - val_loss: 0.7540 - val_auc_116: 0.5080
Epoch 82/700
334/334 [=====] - 1s 3ms/step - loss: 0.8141 - auc_116:
0.5095 - val_loss: 0.8033 - val_auc_116: 0.5103

Epoch 83/700
334/334 [=====] - 1s 3ms/step - loss: 0.8637 - auc_116:
0.5077 - val_loss: 0.9151 - val_auc_116: 0.5054
Epoch 84/700
334/334 [=====] - 1s 3ms/step - loss: 0.8029 - auc_116:
0.5116 - val_loss: 0.8465 - val_auc_116: 0.5031
Epoch 85/700
334/334 [=====] - 1s 3ms/step - loss: 0.7807 - auc_116:
0.5107 - val_loss: 0.8097 - val_auc_116: 0.5116
Epoch 86/700
334/334 [=====] - 1s 3ms/step - loss: 0.7906 - auc_116:
0.5105 - val_loss: 0.7545 - val_auc_116: 0.5045
Epoch 87/700
334/334 [=====] - 1s 3ms/step - loss: 0.7992 - auc_116:
0.5117 - val_loss: 0.8462 - val_auc_116: 0.5120
Epoch 88/700
334/334 [=====] - 1s 3ms/step - loss: 0.7744 - auc_116:
0.5113 - val_loss: 0.7335 - val_auc_116: 0.5089
Epoch 89/700
334/334 [=====] - 1s 3ms/step - loss: 0.7946 - auc_116:
0.5097 - val_loss: 0.8240 - val_auc_116: 0.5100
Epoch 90/700
334/334 [=====] - 1s 3ms/step - loss: 0.8072 - auc_116:
0.5095 - val_loss: 0.8911 - val_auc_116: 0.5122
Epoch 91/700
334/334 [=====] - 1s 3ms/step - loss: 0.8169 - auc_116:
0.5111 - val_loss: 0.7409 - val_auc_116: 0.5148
Epoch 92/700
334/334 [=====] - 1s 3ms/step - loss: 0.7821 - auc_116:
0.5120 - val_loss: 0.7908 - val_auc_116: 0.5056
Epoch 93/700
334/334 [=====] - 1s 3ms/step - loss: 0.7967 - auc_116:
0.5114 - val_loss: 0.7928 - val_auc_116: 0.5110
Epoch 94/700
334/334 [=====] - 1s 3ms/step - loss: 0.7965 - auc_116:
0.5092 - val_loss: 0.8554 - val_auc_116: 0.5071
Epoch 95/700
334/334 [=====] - 1s 3ms/step - loss: 0.7961 - auc_116:
0.5104 - val_loss: 0.7537 - val_auc_116: 0.5085
Epoch 96/700
334/334 [=====] - 1s 3ms/step - loss: 0.8153 - auc_116:
0.5100 - val_loss: 0.7717 - val_auc_116: 0.5156
Epoch 97/700
334/334 [=====] - 1s 3ms/step - loss: 0.7897 - auc_116:
0.5111 - val_loss: 0.7452 - val_auc_116: 0.5112
Epoch 98/700
334/334 [=====] - 1s 3ms/step - loss: 0.7834 - auc_116:
0.5107 - val_loss: 0.8377 - val_auc_116: 0.5104

Epoch 99/700
334/334 [=====] - 1s 3ms/step - loss: 0.7694 - auc_116:
0.5124 - val_loss: 0.8112 - val_auc_116: 0.5104
Epoch 100/700
334/334 [=====] - 1s 3ms/step - loss: 0.8017 - auc_116:
0.5126 - val_loss: 0.8792 - val_auc_116: 0.5161
Epoch 101/700
334/334 [=====] - 1s 3ms/step - loss: 0.7908 - auc_116:
0.5114 - val_loss: 0.8346 - val_auc_116: 0.5142
Epoch 102/700
334/334 [=====] - 1s 3ms/step - loss: 0.7759 - auc_116:
0.5125 - val_loss: 0.7699 - val_auc_116: 0.5107
Epoch 103/700
334/334 [=====] - 1s 3ms/step - loss: 0.7822 - auc_116:
0.5113 - val_loss: 0.7883 - val_auc_116: 0.5055
Epoch 104/700
334/334 [=====] - 1s 3ms/step - loss: 0.7870 - auc_116:
0.5128 - val_loss: 0.7850 - val_auc_116: 0.5101
Epoch 105/700
334/334 [=====] - 1s 3ms/step - loss: 0.8050 - auc_116:
0.5104 - val_loss: 0.8867 - val_auc_116: 0.5072
Epoch 106/700
334/334 [=====] - 1s 3ms/step - loss: 0.7940 - auc_116:
0.5100 - val_loss: 0.7471 - val_auc_116: 0.5090
Epoch 107/700
334/334 [=====] - 1s 3ms/step - loss: 0.7688 - auc_116:
0.5119 - val_loss: 0.7779 - val_auc_116: 0.5079
Epoch 108/700
334/334 [=====] - 1s 3ms/step - loss: 0.8377 - auc_116:
0.5109 - val_loss: 0.8001 - val_auc_116: 0.5129
Epoch 109/700
334/334 [=====] - 1s 3ms/step - loss: 0.8033 - auc_116:
0.5113 - val_loss: 0.7853 - val_auc_116: 0.5136
Epoch 110/700
334/334 [=====] - 1s 3ms/step - loss: 0.7772 - auc_116:
0.5120 - val_loss: 0.8645 - val_auc_116: 0.5138
Epoch 111/700
334/334 [=====] - 1s 3ms/step - loss: 0.7915 - auc_116:
0.5113 - val_loss: 0.9943 - val_auc_116: 0.5078
Epoch 112/700
334/334 [=====] - 1s 3ms/step - loss: 0.8106 - auc_116:
0.5099 - val_loss: 0.8667 - val_auc_116: 0.5082
Epoch 113/700
334/334 [=====] - 1s 3ms/step - loss: 0.7904 - auc_116:
0.5111 - val_loss: 0.7592 - val_auc_116: 0.5092
Epoch 114/700
334/334 [=====] - 1s 3ms/step - loss: 0.7823 - auc_116:
0.5093 - val_loss: 0.8350 - val_auc_116: 0.5160

Epoch 115/700
334/334 [=====] - 1s 3ms/step - loss: 0.8004 - auc_116:
0.5097 - val_loss: 0.7975 - val_auc_116: 0.5070

Epoch 116/700
334/334 [=====] - 1s 3ms/step - loss: 0.7998 - auc_116:
0.5117 - val_loss: 0.8172 - val_auc_116: 0.5125

Epoch 117/700
334/334 [=====] - 1s 3ms/step - loss: 0.7983 - auc_116:
0.5108 - val_loss: 0.8334 - val_auc_116: 0.5111

Epoch 118/700
334/334 [=====] - 1s 3ms/step - loss: 0.7802 - auc_116:
0.5121 - val_loss: 0.7548 - val_auc_116: 0.5086

Epoch 119/700
334/334 [=====] - 1s 3ms/step - loss: 0.7858 - auc_116:
0.5124 - val_loss: 0.8455 - val_auc_116: 0.5091

Epoch 120/700
334/334 [=====] - 1s 3ms/step - loss: 0.7895 - auc_116:
0.5100 - val_loss: 0.8418 - val_auc_116: 0.5129

Epoch 121/700
334/334 [=====] - 1s 3ms/step - loss: 0.7979 - auc_116:
0.5102 - val_loss: 0.7904 - val_auc_116: 0.5136

Epoch 122/700
334/334 [=====] - 1s 3ms/step - loss: 0.8044 - auc_116:
0.5130 - val_loss: 0.7545 - val_auc_116: 0.5137

Epoch 123/700
334/334 [=====] - 1s 3ms/step - loss: 0.7851 - auc_116:
0.5103 - val_loss: 0.7623 - val_auc_116: 0.5124

Epoch 124/700
334/334 [=====] - 1s 3ms/step - loss: 0.7935 - auc_116:
0.5102 - val_loss: 0.7911 - val_auc_116: 0.5104

Epoch 125/700
334/334 [=====] - 1s 3ms/step - loss: 0.7917 - auc_116:
0.5114 - val_loss: 0.9603 - val_auc_116: 0.5132

Epoch 126/700
334/334 [=====] - 1s 3ms/step - loss: 0.7965 - auc_116:
0.5116 - val_loss: 0.7211 - val_auc_116: 0.5131

Epoch 127/700
334/334 [=====] - 1s 3ms/step - loss: 0.7796 - auc_116:
0.5101 - val_loss: 0.8129 - val_auc_116: 0.5173

Epoch 128/700
334/334 [=====] - 1s 3ms/step - loss: 0.8026 - auc_116:
0.5140 - val_loss: 0.7288 - val_auc_116: 0.5125

Epoch 129/700
334/334 [=====] - 1s 3ms/step - loss: 0.7880 - auc_116:
0.5120 - val_loss: 0.7312 - val_auc_116: 0.5097

Epoch 130/700
334/334 [=====] - 1s 3ms/step - loss: 0.7787 - auc_116:
0.5102 - val_loss: 1.1121 - val_auc_116: 0.5131

Epoch 131/700
334/334 [=====] - 1s 3ms/step - loss: 0.8131 - auc_116:
0.5127 - val_loss: 0.8247 - val_auc_116: 0.5117
Epoch 132/700
334/334 [=====] - 1s 3ms/step - loss: 0.8002 - auc_116:
0.5118 - val_loss: 0.7533 - val_auc_116: 0.5172
Epoch 133/700
334/334 [=====] - 1s 3ms/step - loss: 0.7702 - auc_116:
0.5111 - val_loss: 0.7744 - val_auc_116: 0.5132
Epoch 134/700
334/334 [=====] - 1s 3ms/step - loss: 0.7843 - auc_116:
0.5101 - val_loss: 0.8631 - val_auc_116: 0.5138
Epoch 135/700
334/334 [=====] - 1s 3ms/step - loss: 0.8026 - auc_116:
0.5116 - val_loss: 0.8162 - val_auc_116: 0.5100
Epoch 136/700
334/334 [=====] - 1s 3ms/step - loss: 0.7966 - auc_116:
0.5133 - val_loss: 0.7980 - val_auc_116: 0.5071
Epoch 137/700
334/334 [=====] - 1s 3ms/step - loss: 0.8173 - auc_116:
0.5124 - val_loss: 0.7625 - val_auc_116: 0.5082
Epoch 138/700
334/334 [=====] - 1s 3ms/step - loss: 0.7852 - auc_116:
0.5127 - val_loss: 0.7695 - val_auc_116: 0.5164
Epoch 139/700
334/334 [=====] - 1s 3ms/step - loss: 0.7943 - auc_116:
0.5137 - val_loss: 0.7819 - val_auc_116: 0.5152
Epoch 140/700
334/334 [=====] - 1s 3ms/step - loss: 0.7960 - auc_116:
0.5101 - val_loss: 0.7506 - val_auc_116: 0.5161
Epoch 141/700
334/334 [=====] - 1s 3ms/step - loss: 0.8007 - auc_116:
0.5121 - val_loss: 0.7715 - val_auc_116: 0.5182
Epoch 142/700
334/334 [=====] - 1s 3ms/step - loss: 0.7937 - auc_116:
0.5124 - val_loss: 0.8043 - val_auc_116: 0.5122
Epoch 143/700
334/334 [=====] - 1s 3ms/step - loss: 0.7967 - auc_116:
0.5119 - val_loss: 0.7364 - val_auc_116: 0.5185
Epoch 144/700
334/334 [=====] - 1s 3ms/step - loss: 0.7743 - auc_116:
0.5116 - val_loss: 0.7297 - val_auc_116: 0.5214
Epoch 145/700
334/334 [=====] - 1s 3ms/step - loss: 0.7871 - auc_116:
0.5129 - val_loss: 0.9394 - val_auc_116: 0.5074
Epoch 146/700
334/334 [=====] - 1s 3ms/step - loss: 0.7861 - auc_116:
0.5116 - val_loss: 0.8670 - val_auc_116: 0.5144

Epoch 147/700
334/334 [=====] - 1s 3ms/step - loss: 0.7734 - auc_116:
0.5130 - val_loss: 0.7914 - val_auc_116: 0.5151
Epoch 148/700
334/334 [=====] - 1s 3ms/step - loss: 0.7897 - auc_116:
0.5124 - val_loss: 0.7695 - val_auc_116: 0.5074
Epoch 149/700
334/334 [=====] - 1s 3ms/step - loss: 0.7720 - auc_116:
0.5139 - val_loss: 0.7431 - val_auc_116: 0.5117
Epoch 150/700
334/334 [=====] - 1s 3ms/step - loss: 0.8050 - auc_116:
0.5133 - val_loss: 0.7707 - val_auc_116: 0.5090
Epoch 151/700
334/334 [=====] - 1s 3ms/step - loss: 0.8016 - auc_116:
0.5110 - val_loss: 0.7655 - val_auc_116: 0.5138
Epoch 152/700
334/334 [=====] - 1s 3ms/step - loss: 0.7780 - auc_116:
0.5119 - val_loss: 0.7409 - val_auc_116: 0.5179
Epoch 153/700
334/334 [=====] - 1s 3ms/step - loss: 0.7764 - auc_116:
0.5131 - val_loss: 0.8995 - val_auc_116: 0.5095
Epoch 154/700
334/334 [=====] - 1s 3ms/step - loss: 0.7969 - auc_116:
0.5131 - val_loss: 0.8009 - val_auc_116: 0.5098
Epoch 155/700
334/334 [=====] - 1s 3ms/step - loss: 0.7824 - auc_116:
0.5114 - val_loss: 1.0162 - val_auc_116: 0.5125
Epoch 156/700
334/334 [=====] - 1s 3ms/step - loss: 0.7923 - auc_116:
0.5131 - val_loss: 0.7212 - val_auc_116: 0.5159
Epoch 157/700
334/334 [=====] - 1s 3ms/step - loss: 0.7865 - auc_116:
0.5130 - val_loss: 0.7968 - val_auc_116: 0.5146
Epoch 158/700
334/334 [=====] - 1s 3ms/step - loss: 0.8042 - auc_116:
0.5098 - val_loss: 0.7326 - val_auc_116: 0.5190
Epoch 159/700
334/334 [=====] - 1s 3ms/step - loss: 0.7762 - auc_116:
0.5110 - val_loss: 0.7590 - val_auc_116: 0.5133
Epoch 160/700
334/334 [=====] - 1s 3ms/step - loss: 0.7617 - auc_116:
0.5156 - val_loss: 0.7289 - val_auc_116: 0.5142
Epoch 161/700
334/334 [=====] - 1s 3ms/step - loss: 0.8032 - auc_116:
0.5101 - val_loss: 0.8259 - val_auc_116: 0.5140
Epoch 162/700
334/334 [=====] - 1s 3ms/step - loss: 0.7864 - auc_116:
0.5135 - val_loss: 0.7337 - val_auc_116: 0.5134

Epoch 163/700
334/334 [=====] - 1s 3ms/step - loss: 0.7730 - auc_116:
0.5119 - val_loss: 0.7196 - val_auc_116: 0.5161
Epoch 164/700
334/334 [=====] - 1s 3ms/step - loss: 0.7634 - auc_116:
0.5131 - val_loss: 0.7377 - val_auc_116: 0.5162
Epoch 165/700
334/334 [=====] - 1s 3ms/step - loss: 0.7988 - auc_116:
0.5121 - val_loss: 0.8198 - val_auc_116: 0.5100
Epoch 166/700
334/334 [=====] - 1s 3ms/step - loss: 0.7809 - auc_116:
0.5112 - val_loss: 0.7779 - val_auc_116: 0.5183
Epoch 167/700
334/334 [=====] - 1s 3ms/step - loss: 0.7906 - auc_116:
0.5128 - val_loss: 0.7560 - val_auc_116: 0.5168
Epoch 168/700
334/334 [=====] - 1s 3ms/step - loss: 0.7793 - auc_116:
0.5143 - val_loss: 0.7398 - val_auc_116: 0.5164
Epoch 169/700
334/334 [=====] - 1s 3ms/step - loss: 0.7902 - auc_116:
0.5150 - val_loss: 0.7869 - val_auc_116: 0.5153
Epoch 170/700
334/334 [=====] - 1s 3ms/step - loss: 0.7797 - auc_116:
0.5114 - val_loss: 0.7570 - val_auc_116: 0.5178
Epoch 171/700
334/334 [=====] - 1s 3ms/step - loss: 0.7962 - auc_116:
0.5141 - val_loss: 0.7670 - val_auc_116: 0.5183
Epoch 172/700
334/334 [=====] - 1s 3ms/step - loss: 0.7842 - auc_116:
0.5146 - val_loss: 0.8677 - val_auc_116: 0.5177
Epoch 173/700
334/334 [=====] - 1s 3ms/step - loss: 0.8106 - auc_116:
0.5127 - val_loss: 0.7716 - val_auc_116: 0.5156
Epoch 174/700
334/334 [=====] - 1s 3ms/step - loss: 0.7759 - auc_116:
0.5132 - val_loss: 0.7272 - val_auc_116: 0.5159
Epoch 175/700
334/334 [=====] - 1s 3ms/step - loss: 0.7953 - auc_116:
0.5134 - val_loss: 0.7416 - val_auc_116: 0.5189
Epoch 176/700
334/334 [=====] - 1s 3ms/step - loss: 0.7729 - auc_116:
0.5124 - val_loss: 0.8850 - val_auc_116: 0.5147
Epoch 177/700
334/334 [=====] - 1s 3ms/step - loss: 0.7891 - auc_116:
0.5130 - val_loss: 0.7868 - val_auc_116: 0.5131
Epoch 178/700
334/334 [=====] - 1s 3ms/step - loss: 0.7930 - auc_116:
0.5127 - val_loss: 0.7538 - val_auc_116: 0.5149

Epoch 179/700
334/334 [=====] - 1s 3ms/step - loss: 0.7983 - auc_116:
0.5146 - val_loss: 0.8582 - val_auc_116: 0.5140

Epoch 180/700
334/334 [=====] - 1s 3ms/step - loss: 0.7950 - auc_116:
0.5117 - val_loss: 0.7229 - val_auc_116: 0.5209

Epoch 181/700
334/334 [=====] - 1s 3ms/step - loss: 0.7917 - auc_116:
0.5139 - val_loss: 0.7696 - val_auc_116: 0.5137

Epoch 182/700
334/334 [=====] - 1s 3ms/step - loss: 0.7798 - auc_116:
0.5131 - val_loss: 0.7779 - val_auc_116: 0.5140

Epoch 183/700
334/334 [=====] - 1s 3ms/step - loss: 0.7917 - auc_116:
0.5120 - val_loss: 0.7499 - val_auc_116: 0.5121

Epoch 184/700
334/334 [=====] - 1s 3ms/step - loss: 0.7798 - auc_116:
0.5126 - val_loss: 0.8540 - val_auc_116: 0.5083

Epoch 185/700
334/334 [=====] - 1s 3ms/step - loss: 0.7837 - auc_116:
0.5137 - val_loss: 0.7973 - val_auc_116: 0.5145

Epoch 186/700
334/334 [=====] - 1s 3ms/step - loss: 0.7913 - auc_116:
0.5142 - val_loss: 0.8103 - val_auc_116: 0.5111

Epoch 187/700
334/334 [=====] - 1s 3ms/step - loss: 0.7902 - auc_116:
0.5128 - val_loss: 0.8135 - val_auc_116: 0.5173

Epoch 188/700
334/334 [=====] - 1s 3ms/step - loss: 0.7991 - auc_116:
0.5147 - val_loss: 0.8481 - val_auc_116: 0.5151

Epoch 189/700
334/334 [=====] - 1s 3ms/step - loss: 0.8044 - auc_116:
0.5113 - val_loss: 0.7752 - val_auc_116: 0.5127

Epoch 190/700
334/334 [=====] - 1s 3ms/step - loss: 0.7701 - auc_116:
0.5125 - val_loss: 0.7621 - val_auc_116: 0.5154

Epoch 191/700
334/334 [=====] - 1s 3ms/step - loss: 0.7772 - auc_116:
0.5140 - val_loss: 0.7681 - val_auc_116: 0.5140

Epoch 192/700
334/334 [=====] - 1s 3ms/step - loss: 0.7972 - auc_116:
0.5157 - val_loss: 0.7477 - val_auc_116: 0.5139

Epoch 193/700
334/334 [=====] - 1s 3ms/step - loss: 0.7859 - auc_116:
0.5135 - val_loss: 0.7471 - val_auc_116: 0.5131

Epoch 194/700
334/334 [=====] - 1s 3ms/step - loss: 0.7966 - auc_116:
0.5121 - val_loss: 0.7510 - val_auc_116: 0.5181

Epoch 195/700
334/334 [=====] - 1s 3ms/step - loss: 0.7815 - auc_116:
0.5137 - val_loss: 0.7486 - val_auc_116: 0.5130

Epoch 196/700
334/334 [=====] - 1s 3ms/step - loss: 0.7735 - auc_116:
0.5113 - val_loss: 0.9040 - val_auc_116: 0.5133

Epoch 197/700
334/334 [=====] - 1s 3ms/step - loss: 0.7979 - auc_116:
0.5121 - val_loss: 0.8415 - val_auc_116: 0.5091

Epoch 198/700
334/334 [=====] - 1s 3ms/step - loss: 0.8128 - auc_116:
0.5128 - val_loss: 0.7693 - val_auc_116: 0.5156

Epoch 199/700
334/334 [=====] - 1s 3ms/step - loss: 0.7943 - auc_116:
0.5150 - val_loss: 0.7623 - val_auc_116: 0.5139

Epoch 200/700
334/334 [=====] - 1s 3ms/step - loss: 0.7831 - auc_116:
0.5137 - val_loss: 0.8587 - val_auc_116: 0.5131

Epoch 201/700
334/334 [=====] - 1s 3ms/step - loss: 0.7874 - auc_116:
0.5148 - val_loss: 0.7511 - val_auc_116: 0.5155

Epoch 202/700
334/334 [=====] - 1s 3ms/step - loss: 0.7761 - auc_116:
0.5125 - val_loss: 0.8030 - val_auc_116: 0.5103

Epoch 203/700
334/334 [=====] - 1s 3ms/step - loss: 0.7763 - auc_116:
0.5129 - val_loss: 0.8549 - val_auc_116: 0.5158

Epoch 204/700
334/334 [=====] - 1s 3ms/step - loss: 0.7785 - auc_116:
0.5136 - val_loss: 0.7574 - val_auc_116: 0.5119

Epoch 205/700
334/334 [=====] - 1s 3ms/step - loss: 0.7935 - auc_116:
0.5126 - val_loss: 0.7947 - val_auc_116: 0.5168

Epoch 206/700
334/334 [=====] - 1s 3ms/step - loss: 0.7848 - auc_116:
0.5149 - val_loss: 0.8381 - val_auc_116: 0.5174

Epoch 207/700
334/334 [=====] - 1s 3ms/step - loss: 0.8105 - auc_116:
0.5137 - val_loss: 0.8044 - val_auc_116: 0.5099

Epoch 208/700
334/334 [=====] - 1s 3ms/step - loss: 0.7928 - auc_116:
0.5134 - val_loss: 0.7776 - val_auc_116: 0.5168

Epoch 209/700
334/334 [=====] - 1s 3ms/step - loss: 0.7609 - auc_116:
0.5131 - val_loss: 0.7584 - val_auc_116: 0.5112

Epoch 210/700
334/334 [=====] - 1s 3ms/step - loss: 0.7875 - auc_116:
0.5132 - val_loss: 0.7378 - val_auc_116: 0.5181

Epoch 211/700
334/334 [=====] - 1s 3ms/step - loss: 0.7775 - auc_116:
0.5141 - val_loss: 0.7499 - val_auc_116: 0.5119
Epoch 212/700
334/334 [=====] - 1s 3ms/step - loss: 0.7795 - auc_116:
0.5119 - val_loss: 0.7353 - val_auc_116: 0.5182
Epoch 213/700
334/334 [=====] - 1s 3ms/step - loss: 0.7905 - auc_116:
0.5149 - val_loss: 0.7603 - val_auc_116: 0.5078
Epoch 214/700
334/334 [=====] - 1s 3ms/step - loss: 0.7775 - auc_116:
0.5145 - val_loss: 0.7352 - val_auc_116: 0.5123
Epoch 215/700
334/334 [=====] - 1s 3ms/step - loss: 0.7856 - auc_116:
0.5128 - val_loss: 0.7981 - val_auc_116: 0.5164
Epoch 216/700
334/334 [=====] - 1s 3ms/step - loss: 0.7781 - auc_116:
0.5135 - val_loss: 0.7427 - val_auc_116: 0.5153
Epoch 217/700
334/334 [=====] - 1s 3ms/step - loss: 0.7651 - auc_116:
0.5155 - val_loss: 0.7733 - val_auc_116: 0.5116
Epoch 218/700
334/334 [=====] - 1s 3ms/step - loss: 0.7932 - auc_116:
0.5139 - val_loss: 0.7998 - val_auc_116: 0.5154
Epoch 219/700
334/334 [=====] - 1s 3ms/step - loss: 0.7717 - auc_116:
0.5147 - val_loss: 0.7655 - val_auc_116: 0.5117
Epoch 220/700
334/334 [=====] - 1s 3ms/step - loss: 0.7945 - auc_116:
0.5140 - val_loss: 0.7484 - val_auc_116: 0.5201
Epoch 221/700
334/334 [=====] - 1s 3ms/step - loss: 0.7718 - auc_116:
0.5145 - val_loss: 0.7887 - val_auc_116: 0.5163
Epoch 222/700
334/334 [=====] - 1s 3ms/step - loss: 0.7771 - auc_116:
0.5104 - val_loss: 0.7316 - val_auc_116: 0.5180
Epoch 223/700
334/334 [=====] - 1s 3ms/step - loss: 0.7994 - auc_116:
0.5146 - val_loss: 0.8239 - val_auc_116: 0.5117
Epoch 224/700
334/334 [=====] - 1s 3ms/step - loss: 0.7883 - auc_116:
0.5136 - val_loss: 0.7661 - val_auc_116: 0.5139
Epoch 225/700
334/334 [=====] - 1s 3ms/step - loss: 0.7743 - auc_116:
0.5129 - val_loss: 0.9077 - val_auc_116: 0.5176
Epoch 226/700
334/334 [=====] - 1s 3ms/step - loss: 0.7740 - auc_116:
0.5138 - val_loss: 0.8203 - val_auc_116: 0.5175

Epoch 227/700
334/334 [=====] - 1s 3ms/step - loss: 0.7798 - auc_116:
0.5120 - val_loss: 0.8298 - val_auc_116: 0.5137

Epoch 228/700
334/334 [=====] - 1s 3ms/step - loss: 0.7895 - auc_116:
0.5159 - val_loss: 0.7631 - val_auc_116: 0.5161

Epoch 229/700
334/334 [=====] - 1s 3ms/step - loss: 0.7761 - auc_116:
0.5139 - val_loss: 0.8899 - val_auc_116: 0.5056

Epoch 230/700
334/334 [=====] - 1s 3ms/step - loss: 0.7905 - auc_116:
0.5148 - val_loss: 0.8163 - val_auc_116: 0.5156

Epoch 231/700
334/334 [=====] - 1s 3ms/step - loss: 0.8003 - auc_116:
0.5134 - val_loss: 0.7805 - val_auc_116: 0.5111

Epoch 232/700
334/334 [=====] - 1s 3ms/step - loss: 0.7949 - auc_116:
0.5139 - val_loss: 0.8649 - val_auc_116: 0.5142

Epoch 233/700
334/334 [=====] - 1s 3ms/step - loss: 0.7861 - auc_116:
0.5151 - val_loss: 0.7569 - val_auc_116: 0.5144

Epoch 234/700
334/334 [=====] - 1s 3ms/step - loss: 0.7833 - auc_116:
0.5146 - val_loss: 0.7240 - val_auc_116: 0.5165

Epoch 235/700
334/334 [=====] - 1s 3ms/step - loss: 0.7885 - auc_116:
0.5128 - val_loss: 0.7951 - val_auc_116: 0.5198

Epoch 236/700
334/334 [=====] - 1s 3ms/step - loss: 0.7876 - auc_116:
0.5133 - val_loss: 0.7337 - val_auc_116: 0.5171

Epoch 237/700
334/334 [=====] - 1s 3ms/step - loss: 0.7603 - auc_116:
0.5149 - val_loss: 0.8324 - val_auc_116: 0.5107

Epoch 238/700
334/334 [=====] - 1s 3ms/step - loss: 0.7802 - auc_116:
0.5146 - val_loss: 0.7509 - val_auc_116: 0.5210

Epoch 239/700
334/334 [=====] - 1s 3ms/step - loss: 0.7873 - auc_116:
0.5152 - val_loss: 0.7387 - val_auc_116: 0.5158

Epoch 240/700
334/334 [=====] - 1s 3ms/step - loss: 0.7785 - auc_116:
0.5149 - val_loss: 0.7420 - val_auc_116: 0.5148

Epoch 241/700
334/334 [=====] - 1s 3ms/step - loss: 0.7809 - auc_116:
0.5166 - val_loss: 0.8508 - val_auc_116: 0.5138

Epoch 242/700
334/334 [=====] - 1s 3ms/step - loss: 0.7782 - auc_116:
0.5151 - val_loss: 0.7473 - val_auc_116: 0.5197

Epoch 243/700
334/334 [=====] - 1s 3ms/step - loss: 0.7851 - auc_116:
0.5143 - val_loss: 0.7112 - val_auc_116: 0.5187
Epoch 244/700
334/334 [=====] - 1s 3ms/step - loss: 0.7924 - auc_116:
0.5153 - val_loss: 0.8745 - val_auc_116: 0.5145
Epoch 245/700
334/334 [=====] - 1s 3ms/step - loss: 0.8058 - auc_116:
0.5123 - val_loss: 0.7306 - val_auc_116: 0.5143
Epoch 246/700
334/334 [=====] - 1s 3ms/step - loss: 0.7916 - auc_116:
0.5162 - val_loss: 0.8002 - val_auc_116: 0.5142
Epoch 247/700
334/334 [=====] - 1s 3ms/step - loss: 0.7815 - auc_116:
0.5129 - val_loss: 0.7935 - val_auc_116: 0.5187
Epoch 248/700
334/334 [=====] - 1s 3ms/step - loss: 0.8180 - auc_116:
0.5156 - val_loss: 0.7804 - val_auc_116: 0.5140
Epoch 249/700
334/334 [=====] - 1s 3ms/step - loss: 0.7870 - auc_116:
0.5127 - val_loss: 0.8070 - val_auc_116: 0.5189
Epoch 250/700
334/334 [=====] - 1s 3ms/step - loss: 0.7789 - auc_116:
0.5150 - val_loss: 0.7341 - val_auc_116: 0.5143
Epoch 251/700
334/334 [=====] - 1s 3ms/step - loss: 0.7803 - auc_116:
0.5165 - val_loss: 0.9030 - val_auc_116: 0.5155
Epoch 252/700
334/334 [=====] - 1s 3ms/step - loss: 0.7721 - auc_116:
0.5174 - val_loss: 0.7687 - val_auc_116: 0.5120
Epoch 253/700
334/334 [=====] - 1s 3ms/step - loss: 0.7942 - auc_116:
0.5159 - val_loss: 0.7390 - val_auc_116: 0.5196
Epoch 254/700
334/334 [=====] - 1s 3ms/step - loss: 0.7949 - auc_116:
0.5160 - val_loss: 0.8014 - val_auc_116: 0.5158
Epoch 255/700
334/334 [=====] - 1s 3ms/step - loss: 0.7737 - auc_116:
0.5136 - val_loss: 0.8559 - val_auc_116: 0.5121
Epoch 256/700
334/334 [=====] - 1s 3ms/step - loss: 0.7921 - auc_116:
0.5156 - val_loss: 0.7923 - val_auc_116: 0.5165
Epoch 257/700
334/334 [=====] - 1s 3ms/step - loss: 0.7803 - auc_116:
0.5158 - val_loss: 0.7502 - val_auc_116: 0.5169
Epoch 258/700
334/334 [=====] - 1s 3ms/step - loss: 0.7908 - auc_116:
0.5133 - val_loss: 0.8632 - val_auc_116: 0.5155

Epoch 259/700
334/334 [=====] - 1s 3ms/step - loss: 0.7880 - auc_116:
0.5142 - val_loss: 0.7877 - val_auc_116: 0.5183
Epoch 260/700
334/334 [=====] - 1s 3ms/step - loss: 0.7708 - auc_116:
0.5165 - val_loss: 0.7832 - val_auc_116: 0.5140
Epoch 261/700
334/334 [=====] - 1s 3ms/step - loss: 0.7829 - auc_116:
0.5134 - val_loss: 0.8075 - val_auc_116: 0.5112
Epoch 262/700
334/334 [=====] - 1s 3ms/step - loss: 0.7755 - auc_116:
0.5142 - val_loss: 0.8315 - val_auc_116: 0.5121
Epoch 263/700
334/334 [=====] - 1s 3ms/step - loss: 0.7863 - auc_116:
0.5117 - val_loss: 0.7735 - val_auc_116: 0.5184
Epoch 264/700
334/334 [=====] - 1s 3ms/step - loss: 0.7842 - auc_116:
0.5129 - val_loss: 0.8328 - val_auc_116: 0.5118
Epoch 265/700
334/334 [=====] - 1s 3ms/step - loss: 0.7797 - auc_116:
0.5147 - val_loss: 0.7393 - val_auc_116: 0.5163
Epoch 266/700
334/334 [=====] - 1s 3ms/step - loss: 0.7967 - auc_116:
0.5133 - val_loss: 0.7663 - val_auc_116: 0.5167
Epoch 267/700
334/334 [=====] - 1s 3ms/step - loss: 0.7897 - auc_116:
0.5141 - val_loss: 0.9067 - val_auc_116: 0.5201
Epoch 268/700
334/334 [=====] - 1s 3ms/step - loss: 0.7925 - auc_116:
0.5157 - val_loss: 0.8354 - val_auc_116: 0.5135
Epoch 269/700
334/334 [=====] - 1s 3ms/step - loss: 0.7826 - auc_116:
0.5148 - val_loss: 0.8381 - val_auc_116: 0.5171
Epoch 270/700
334/334 [=====] - 1s 3ms/step - loss: 0.7814 - auc_116:
0.5120 - val_loss: 0.8362 - val_auc_116: 0.5133
Epoch 271/700
334/334 [=====] - 1s 3ms/step - loss: 0.7874 - auc_116:
0.5125 - val_loss: 0.7700 - val_auc_116: 0.5136
Epoch 272/700
334/334 [=====] - 1s 3ms/step - loss: 0.7757 - auc_116:
0.5130 - val_loss: 0.7798 - val_auc_116: 0.5116
Epoch 273/700
334/334 [=====] - 1s 3ms/step - loss: 0.7788 - auc_116:
0.5153 - val_loss: 0.7150 - val_auc_116: 0.5184
Epoch 274/700
334/334 [=====] - 1s 3ms/step - loss: 0.7698 - auc_116:
0.5158 - val_loss: 0.7773 - val_auc_116: 0.5172

Epoch 275/700
334/334 [=====] - 1s 3ms/step - loss: 0.7846 - auc_116:
0.5148 - val_loss: 0.7078 - val_auc_116: 0.5187
Epoch 276/700
334/334 [=====] - 1s 3ms/step - loss: 0.8187 - auc_116:
0.5148 - val_loss: 0.7602 - val_auc_116: 0.5154
Epoch 277/700
334/334 [=====] - 1s 3ms/step - loss: 0.7847 - auc_116:
0.5151 - val_loss: 0.7195 - val_auc_116: 0.5169
Epoch 278/700
334/334 [=====] - 1s 3ms/step - loss: 0.7730 - auc_116:
0.5133 - val_loss: 0.7717 - val_auc_116: 0.5168
Epoch 279/700
334/334 [=====] - 1s 3ms/step - loss: 0.7868 - auc_116:
0.5125 - val_loss: 0.7425 - val_auc_116: 0.5199
Epoch 280/700
334/334 [=====] - 1s 3ms/step - loss: 0.7801 - auc_116:
0.5178 - val_loss: 0.8882 - val_auc_116: 0.5121
Epoch 281/700
334/334 [=====] - 1s 3ms/step - loss: 0.7805 - auc_116:
0.5138 - val_loss: 0.7603 - val_auc_116: 0.5151
Epoch 282/700
334/334 [=====] - 1s 3ms/step - loss: 0.7772 - auc_116:
0.5132 - val_loss: 0.7894 - val_auc_116: 0.5170
Epoch 283/700
334/334 [=====] - 1s 3ms/step - loss: 0.7961 - auc_116:
0.5161 - val_loss: 0.8459 - val_auc_116: 0.5129
Epoch 284/700
334/334 [=====] - 1s 3ms/step - loss: 0.7715 - auc_116:
0.5161 - val_loss: 0.8522 - val_auc_116: 0.5118
Epoch 285/700
334/334 [=====] - 1s 3ms/step - loss: 0.7829 - auc_116:
0.5151 - val_loss: 0.7719 - val_auc_116: 0.5177
Epoch 286/700
334/334 [=====] - 1s 3ms/step - loss: 0.7933 - auc_116:
0.5148 - val_loss: 0.8125 - val_auc_116: 0.5110
Epoch 287/700
334/334 [=====] - 1s 3ms/step - loss: 0.7793 - auc_116:
0.5142 - val_loss: 0.7516 - val_auc_116: 0.5155
Epoch 288/700
334/334 [=====] - 1s 3ms/step - loss: 0.7818 - auc_116:
0.5139 - val_loss: 0.7583 - val_auc_116: 0.5093
Epoch 289/700
334/334 [=====] - 1s 3ms/step - loss: 0.7826 - auc_116:
0.5132 - val_loss: 0.7515 - val_auc_116: 0.5156
Epoch 290/700
334/334 [=====] - 1s 3ms/step - loss: 0.8024 - auc_116:
0.5143 - val_loss: 0.8651 - val_auc_116: 0.5161

Epoch 291/700
334/334 [=====] - 1s 3ms/step - loss: 0.7815 - auc_116:
0.5123 - val_loss: 0.7816 - val_auc_116: 0.5148
Epoch 292/700
334/334 [=====] - 1s 3ms/step - loss: 0.7794 - auc_116:
0.5143 - val_loss: 0.7647 - val_auc_116: 0.5108
Epoch 293/700
334/334 [=====] - 1s 3ms/step - loss: 0.7801 - auc_116:
0.5156 - val_loss: 0.8174 - val_auc_116: 0.5136
Epoch 294/700
334/334 [=====] - 1s 3ms/step - loss: 0.7920 - auc_116:
0.5152 - val_loss: 0.7640 - val_auc_116: 0.5192
Epoch 295/700
334/334 [=====] - 1s 3ms/step - loss: 0.8256 - auc_116:
0.5146 - val_loss: 1.0103 - val_auc_116: 0.5160
Epoch 296/700
334/334 [=====] - 1s 3ms/step - loss: 0.7803 - auc_116:
0.5127 - val_loss: 0.8914 - val_auc_116: 0.5159
Epoch 297/700
334/334 [=====] - 1s 3ms/step - loss: 0.7799 - auc_116:
0.5146 - val_loss: 0.7336 - val_auc_116: 0.5144
Epoch 298/700
334/334 [=====] - 1s 3ms/step - loss: 0.7697 - auc_116:
0.5145 - val_loss: 0.7628 - val_auc_116: 0.5164
Epoch 299/700
334/334 [=====] - 1s 3ms/step - loss: 0.7801 - auc_116:
0.5169 - val_loss: 0.7415 - val_auc_116: 0.5160
Epoch 300/700
334/334 [=====] - 1s 3ms/step - loss: 0.7799 - auc_116:
0.5156 - val_loss: 0.7362 - val_auc_116: 0.5167
Epoch 301/700
334/334 [=====] - 1s 3ms/step - loss: 0.7968 - auc_116:
0.5159 - val_loss: 0.7889 - val_auc_116: 0.5089
Epoch 302/700
334/334 [=====] - 1s 3ms/step - loss: 0.7876 - auc_116:
0.5150 - val_loss: 0.7288 - val_auc_116: 0.5206
Epoch 303/700
334/334 [=====] - 1s 3ms/step - loss: 0.7681 - auc_116:
0.5160 - val_loss: 0.7505 - val_auc_116: 0.5118
Epoch 304/700
334/334 [=====] - 1s 3ms/step - loss: 0.7602 - auc_116:
0.5156 - val_loss: 0.7577 - val_auc_116: 0.5191
Epoch 305/700
334/334 [=====] - 1s 3ms/step - loss: 0.7689 - auc_116:
0.5146 - val_loss: 0.7717 - val_auc_116: 0.5170
Epoch 306/700
334/334 [=====] - 1s 3ms/step - loss: 0.7620 - auc_116:
0.5162 - val_loss: 0.7335 - val_auc_116: 0.5224

Epoch 307/700
334/334 [=====] - 1s 3ms/step - loss: 0.7828 - auc_116:
0.5150 - val_loss: 0.8519 - val_auc_116: 0.5140
Epoch 308/700
334/334 [=====] - 1s 3ms/step - loss: 0.7939 - auc_116:
0.5130 - val_loss: 0.7219 - val_auc_116: 0.5165
Epoch 309/700
334/334 [=====] - 1s 3ms/step - loss: 0.7701 - auc_116:
0.5158 - val_loss: 0.9103 - val_auc_116: 0.5110
Epoch 310/700
334/334 [=====] - 1s 3ms/step - loss: 0.8144 - auc_116:
0.5150 - val_loss: 0.7567 - val_auc_116: 0.5148
Epoch 311/700
334/334 [=====] - 1s 3ms/step - loss: 0.7829 - auc_116:
0.5150 - val_loss: 0.7669 - val_auc_116: 0.5163
Epoch 312/700
334/334 [=====] - 1s 3ms/step - loss: 0.7896 - auc_116:
0.5148 - val_loss: 0.8258 - val_auc_116: 0.5113
Epoch 313/700
334/334 [=====] - 1s 3ms/step - loss: 0.7800 - auc_116:
0.5136 - val_loss: 0.7611 - val_auc_116: 0.5095
Epoch 314/700
334/334 [=====] - 1s 3ms/step - loss: 0.7681 - auc_116:
0.5144 - val_loss: 0.7410 - val_auc_116: 0.5215
Epoch 315/700
334/334 [=====] - 1s 3ms/step - loss: 0.7822 - auc_116:
0.5179 - val_loss: 0.7333 - val_auc_116: 0.5201
Epoch 316/700
334/334 [=====] - 1s 3ms/step - loss: 0.7751 - auc_116:
0.5161 - val_loss: 0.8024 - val_auc_116: 0.5213
Epoch 317/700
334/334 [=====] - 1s 3ms/step - loss: 0.7776 - auc_116:
0.5156 - val_loss: 0.7347 - val_auc_116: 0.5184
Epoch 318/700
334/334 [=====] - 1s 3ms/step - loss: 0.7883 - auc_116:
0.5117 - val_loss: 0.7308 - val_auc_116: 0.5138
Epoch 319/700
334/334 [=====] - 1s 3ms/step - loss: 0.7649 - auc_116:
0.5141 - val_loss: 0.7857 - val_auc_116: 0.5182
Epoch 320/700
334/334 [=====] - 1s 3ms/step - loss: 0.7962 - auc_116:
0.5160 - val_loss: 0.8219 - val_auc_116: 0.5170
Epoch 321/700
334/334 [=====] - 1s 3ms/step - loss: 0.7981 - auc_116:
0.5134 - val_loss: 0.7869 - val_auc_116: 0.5135
Epoch 322/700
334/334 [=====] - 1s 3ms/step - loss: 0.7813 - auc_116:
0.5155 - val_loss: 0.8100 - val_auc_116: 0.5134

Epoch 323/700
334/334 [=====] - 1s 3ms/step - loss: 0.7860 - auc_116:
0.5161 - val_loss: 0.7116 - val_auc_116: 0.5200
Epoch 324/700
334/334 [=====] - 1s 3ms/step - loss: 0.7770 - auc_116:
0.5155 - val_loss: 0.8093 - val_auc_116: 0.5195
Epoch 325/700
334/334 [=====] - 1s 3ms/step - loss: 0.7891 - auc_116:
0.5149 - val_loss: 0.7740 - val_auc_116: 0.5150
Epoch 326/700
334/334 [=====] - 1s 3ms/step - loss: 0.7640 - auc_116:
0.5149 - val_loss: 0.9048 - val_auc_116: 0.5151
Epoch 327/700
334/334 [=====] - 1s 3ms/step - loss: 0.7887 - auc_116:
0.5165 - val_loss: 0.8599 - val_auc_116: 0.5168
Epoch 328/700
334/334 [=====] - 1s 3ms/step - loss: 0.7879 - auc_116:
0.5134 - val_loss: 0.8203 - val_auc_116: 0.5180
Epoch 329/700
334/334 [=====] - 1s 3ms/step - loss: 0.7979 - auc_116:
0.5143 - val_loss: 0.7557 - val_auc_116: 0.5211
Epoch 330/700
334/334 [=====] - 1s 3ms/step - loss: 0.7884 - auc_116:
0.5158 - val_loss: 0.8351 - val_auc_116: 0.5141
Epoch 331/700
334/334 [=====] - 1s 3ms/step - loss: 0.7961 - auc_116:
0.5157 - val_loss: 0.7646 - val_auc_116: 0.5197
Epoch 332/700
334/334 [=====] - 1s 3ms/step - loss: 0.7779 - auc_116:
0.5151 - val_loss: 0.7557 - val_auc_116: 0.5176
Epoch 333/700
334/334 [=====] - 1s 3ms/step - loss: 0.7813 - auc_116:
0.5174 - val_loss: 0.8721 - val_auc_116: 0.5190
Epoch 334/700
334/334 [=====] - 1s 3ms/step - loss: 0.8009 - auc_116:
0.5149 - val_loss: 0.7532 - val_auc_116: 0.5116
Epoch 335/700
334/334 [=====] - 1s 3ms/step - loss: 0.7829 - auc_116:
0.5139 - val_loss: 0.8038 - val_auc_116: 0.5185
Epoch 336/700
334/334 [=====] - 1s 3ms/step - loss: 0.7815 - auc_116:
0.5131 - val_loss: 0.8862 - val_auc_116: 0.5113
Epoch 337/700
334/334 [=====] - 1s 3ms/step - loss: 0.7953 - auc_116:
0.5141 - val_loss: 0.7916 - val_auc_116: 0.5119
Epoch 338/700
334/334 [=====] - 1s 3ms/step - loss: 0.8121 - auc_116:
0.5147 - val_loss: 0.8564 - val_auc_116: 0.5107

Epoch 339/700
334/334 [=====] - 1s 3ms/step - loss: 0.8221 - auc_116:
0.5132 - val_loss: 0.8578 - val_auc_116: 0.5105

Epoch 340/700
334/334 [=====] - 1s 3ms/step - loss: 0.7820 - auc_116:
0.5168 - val_loss: 0.7870 - val_auc_116: 0.5150

Epoch 341/700
334/334 [=====] - 1s 3ms/step - loss: 0.7774 - auc_116:
0.5154 - val_loss: 0.7710 - val_auc_116: 0.5170

Epoch 342/700
334/334 [=====] - 1s 3ms/step - loss: 0.7749 - auc_116:
0.5156 - val_loss: 0.8361 - val_auc_116: 0.5091

Epoch 343/700
334/334 [=====] - 1s 3ms/step - loss: 0.7667 - auc_116:
0.5175 - val_loss: 0.7281 - val_auc_116: 0.5192

Epoch 344/700
334/334 [=====] - 1s 3ms/step - loss: 0.7948 - auc_116:
0.5152 - val_loss: 0.7630 - val_auc_116: 0.5182

Epoch 345/700
334/334 [=====] - 1s 3ms/step - loss: 0.7667 - auc_116:
0.5156 - val_loss: 0.7486 - val_auc_116: 0.5153

Epoch 346/700
334/334 [=====] - 1s 3ms/step - loss: 0.7692 - auc_116:
0.5175 - val_loss: 0.7339 - val_auc_116: 0.5192

Epoch 347/700
334/334 [=====] - 1s 3ms/step - loss: 0.7997 - auc_116:
0.5146 - val_loss: 1.0368 - val_auc_116: 0.5118

Epoch 348/700
334/334 [=====] - 1s 3ms/step - loss: 0.7856 - auc_116:
0.5137 - val_loss: 0.8565 - val_auc_116: 0.5144

Epoch 349/700
334/334 [=====] - 1s 3ms/step - loss: 0.7806 - auc_116:
0.5144 - val_loss: 0.8046 - val_auc_116: 0.5148

Epoch 350/700
334/334 [=====] - 1s 3ms/step - loss: 0.7724 - auc_116:
0.5173 - val_loss: 0.7527 - val_auc_116: 0.5074

Epoch 351/700
334/334 [=====] - 1s 3ms/step - loss: 0.7998 - auc_116:
0.5149 - val_loss: 0.8097 - val_auc_116: 0.5187

Epoch 352/700
334/334 [=====] - 1s 3ms/step - loss: 0.7872 - auc_116:
0.5152 - val_loss: 0.7446 - val_auc_116: 0.5158

Epoch 353/700
334/334 [=====] - 1s 3ms/step - loss: 0.7876 - auc_116:
0.5158 - val_loss: 1.0214 - val_auc_116: 0.5093

Epoch 354/700
334/334 [=====] - 1s 3ms/step - loss: 0.7793 - auc_116:
0.5165 - val_loss: 0.7405 - val_auc_116: 0.5190

Epoch 355/700
334/334 [=====] - 1s 3ms/step - loss: 0.7964 - auc_116:
0.5144 - val_loss: 0.7904 - val_auc_116: 0.5138
Epoch 356/700
334/334 [=====] - 1s 3ms/step - loss: 0.7758 - auc_116:
0.5152 - val_loss: 0.7311 - val_auc_116: 0.5147
Epoch 357/700
334/334 [=====] - 1s 3ms/step - loss: 0.7813 - auc_116:
0.5150 - val_loss: 0.7310 - val_auc_116: 0.5155
Epoch 358/700
334/334 [=====] - 1s 3ms/step - loss: 0.7862 - auc_116:
0.5136 - val_loss: 0.7937 - val_auc_116: 0.5111
Epoch 359/700
334/334 [=====] - 1s 3ms/step - loss: 0.7595 - auc_116:
0.5126 - val_loss: 0.8747 - val_auc_116: 0.5172
Epoch 360/700
334/334 [=====] - 1s 3ms/step - loss: 0.7974 - auc_116:
0.5161 - val_loss: 0.7665 - val_auc_116: 0.5114
Epoch 361/700
334/334 [=====] - 1s 3ms/step - loss: 0.7796 - auc_116:
0.5165 - val_loss: 0.7115 - val_auc_116: 0.5199
Epoch 362/700
334/334 [=====] - 1s 3ms/step - loss: 0.7889 - auc_116:
0.5165 - val_loss: 0.7646 - val_auc_116: 0.5163
Epoch 363/700
334/334 [=====] - 1s 3ms/step - loss: 0.7742 - auc_116:
0.5140 - val_loss: 0.7545 - val_auc_116: 0.5172
Epoch 364/700
334/334 [=====] - 1s 3ms/step - loss: 0.7749 - auc_116:
0.5160 - val_loss: 0.8293 - val_auc_116: 0.5120
Epoch 365/700
334/334 [=====] - 1s 3ms/step - loss: 0.7732 - auc_116:
0.5166 - val_loss: 0.7468 - val_auc_116: 0.5149
Epoch 366/700
334/334 [=====] - 1s 3ms/step - loss: 0.7902 - auc_116:
0.5139 - val_loss: 0.7849 - val_auc_116: 0.5192
Epoch 367/700
334/334 [=====] - 1s 3ms/step - loss: 0.7605 - auc_116:
0.5165 - val_loss: 0.7891 - val_auc_116: 0.5127
Epoch 368/700
334/334 [=====] - 1s 3ms/step - loss: 0.8011 - auc_116:
0.5155 - val_loss: 0.9793 - val_auc_116: 0.5141
Epoch 369/700
334/334 [=====] - 1s 3ms/step - loss: 0.7731 - auc_116:
0.5163 - val_loss: 0.8835 - val_auc_116: 0.5141
Epoch 370/700
334/334 [=====] - 1s 3ms/step - loss: 0.8018 - auc_116:
0.5159 - val_loss: 0.8357 - val_auc_116: 0.5141

Epoch 371/700
334/334 [=====] - 1s 3ms/step - loss: 0.7884 - auc_116:
0.5158 - val_loss: 0.8786 - val_auc_116: 0.5118
Epoch 372/700
334/334 [=====] - 1s 3ms/step - loss: 0.7906 - auc_116:
0.5153 - val_loss: 0.8605 - val_auc_116: 0.5187
Epoch 373/700
334/334 [=====] - 1s 3ms/step - loss: 0.7855 - auc_116:
0.5150 - val_loss: 0.7399 - val_auc_116: 0.5155
Epoch 374/700
334/334 [=====] - 1s 3ms/step - loss: 0.7822 - auc_116:
0.5165 - val_loss: 0.7536 - val_auc_116: 0.5199
Epoch 375/700
334/334 [=====] - 1s 3ms/step - loss: 0.7893 - auc_116:
0.5181 - val_loss: 0.7744 - val_auc_116: 0.5151
Epoch 376/700
334/334 [=====] - 1s 3ms/step - loss: 0.7884 - auc_116:
0.5150 - val_loss: 0.7749 - val_auc_116: 0.5112
Epoch 377/700
334/334 [=====] - 1s 3ms/step - loss: 0.7801 - auc_116:
0.5147 - val_loss: 0.7184 - val_auc_116: 0.5175
Epoch 378/700
334/334 [=====] - 1s 3ms/step - loss: 0.7741 - auc_116:
0.5137 - val_loss: 0.7582 - val_auc_116: 0.5233
Epoch 379/700
334/334 [=====] - 1s 3ms/step - loss: 0.7762 - auc_116:
0.5160 - val_loss: 0.7713 - val_auc_116: 0.5118
Epoch 380/700
334/334 [=====] - 1s 3ms/step - loss: 0.7979 - auc_116:
0.5158 - val_loss: 0.7352 - val_auc_116: 0.5173
Epoch 381/700
334/334 [=====] - 1s 3ms/step - loss: 0.7972 - auc_116:
0.5172 - val_loss: 0.8220 - val_auc_116: 0.5180
Epoch 382/700
334/334 [=====] - 1s 3ms/step - loss: 0.7987 - auc_116:
0.5163 - val_loss: 0.8132 - val_auc_116: 0.5091
Epoch 383/700
334/334 [=====] - 1s 3ms/step - loss: 0.7718 - auc_116:
0.5174 - val_loss: 0.7510 - val_auc_116: 0.5133
Epoch 384/700
334/334 [=====] - 1s 3ms/step - loss: 0.7713 - auc_116:
0.5170 - val_loss: 0.7425 - val_auc_116: 0.5140
Epoch 385/700
334/334 [=====] - 1s 3ms/step - loss: 0.7786 - auc_116:
0.5146 - val_loss: 0.7725 - val_auc_116: 0.5171
Epoch 386/700
334/334 [=====] - 1s 3ms/step - loss: 0.8074 - auc_116:
0.5150 - val_loss: 0.7784 - val_auc_116: 0.5130

Epoch 387/700
334/334 [=====] - 1s 3ms/step - loss: 0.8150 - auc_116:
0.5160 - val_loss: 0.7825 - val_auc_116: 0.5167
Epoch 388/700
334/334 [=====] - 1s 3ms/step - loss: 0.7900 - auc_116:
0.5140 - val_loss: 0.7446 - val_auc_116: 0.5121
Epoch 389/700
334/334 [=====] - 1s 3ms/step - loss: 0.7955 - auc_116:
0.5166 - val_loss: 0.8917 - val_auc_116: 0.5179
Epoch 390/700
334/334 [=====] - 1s 3ms/step - loss: 0.7920 - auc_116:
0.5161 - val_loss: 0.7561 - val_auc_116: 0.5110
Epoch 391/700
334/334 [=====] - 1s 3ms/step - loss: 0.7655 - auc_116:
0.5185 - val_loss: 0.7970 - val_auc_116: 0.5168
Epoch 392/700
334/334 [=====] - 1s 3ms/step - loss: 0.7692 - auc_116:
0.5157 - val_loss: 0.7665 - val_auc_116: 0.5154
Epoch 393/700
334/334 [=====] - 1s 3ms/step - loss: 0.7750 - auc_116:
0.5168 - val_loss: 0.8072 - val_auc_116: 0.5170
Epoch 394/700
334/334 [=====] - 1s 3ms/step - loss: 0.7827 - auc_116:
0.5139 - val_loss: 0.7523 - val_auc_116: 0.5161
Epoch 395/700
334/334 [=====] - 1s 3ms/step - loss: 0.7914 - auc_116:
0.5161 - val_loss: 0.7362 - val_auc_116: 0.5186
Epoch 396/700
334/334 [=====] - 1s 3ms/step - loss: 0.7588 - auc_116:
0.5156 - val_loss: 0.7187 - val_auc_116: 0.5155
Epoch 397/700
334/334 [=====] - 1s 3ms/step - loss: 0.7743 - auc_116:
0.5145 - val_loss: 0.7528 - val_auc_116: 0.5164
Epoch 398/700
334/334 [=====] - 1s 3ms/step - loss: 0.7875 - auc_116:
0.5158 - val_loss: 0.7343 - val_auc_116: 0.5125
Epoch 399/700
334/334 [=====] - 1s 3ms/step - loss: 0.8231 - auc_116:
0.5146 - val_loss: 0.7859 - val_auc_116: 0.5135
Epoch 400/700
334/334 [=====] - 1s 3ms/step - loss: 0.7808 - auc_116:
0.5170 - val_loss: 0.8123 - val_auc_116: 0.5154
Epoch 401/700
334/334 [=====] - 1s 3ms/step - loss: 0.7754 - auc_116:
0.5156 - val_loss: 0.8460 - val_auc_116: 0.5149
Epoch 402/700
334/334 [=====] - 1s 3ms/step - loss: 0.7668 - auc_116:
0.5162 - val_loss: 0.7732 - val_auc_116: 0.5164

Epoch 403/700
334/334 [=====] - 1s 3ms/step - loss: 0.7850 - auc_116:
0.5155 - val_loss: 0.8165 - val_auc_116: 0.5173
Epoch 404/700
334/334 [=====] - 1s 3ms/step - loss: 0.8138 - auc_116:
0.5144 - val_loss: 0.7864 - val_auc_116: 0.5150
Epoch 405/700
334/334 [=====] - 1s 3ms/step - loss: 0.7843 - auc_116:
0.5153 - val_loss: 0.7488 - val_auc_116: 0.5129
Epoch 406/700
334/334 [=====] - 1s 3ms/step - loss: 0.7930 - auc_116:
0.5152 - val_loss: 0.8568 - val_auc_116: 0.5107
Epoch 407/700
334/334 [=====] - 1s 3ms/step - loss: 0.7768 - auc_116:
0.5161 - val_loss: 0.7431 - val_auc_116: 0.5165
Epoch 408/700
334/334 [=====] - 1s 3ms/step - loss: 0.7810 - auc_116:
0.5137 - val_loss: 0.8052 - val_auc_116: 0.5191
Epoch 409/700
334/334 [=====] - 1s 3ms/step - loss: 0.7867 - auc_116:
0.5161 - val_loss: 0.8118 - val_auc_116: 0.5178
Epoch 410/700
334/334 [=====] - 1s 3ms/step - loss: 0.7823 - auc_116:
0.5143 - val_loss: 1.0036 - val_auc_116: 0.5129
Epoch 411/700
334/334 [=====] - 1s 3ms/step - loss: 0.7717 - auc_116:
0.5161 - val_loss: 0.7695 - val_auc_116: 0.5167
Epoch 412/700
334/334 [=====] - 1s 3ms/step - loss: 0.7945 - auc_116:
0.5153 - val_loss: 0.7759 - val_auc_116: 0.5232
Epoch 413/700
334/334 [=====] - 1s 3ms/step - loss: 0.7779 - auc_116:
0.5177 - val_loss: 0.8992 - val_auc_116: 0.5129
Epoch 414/700
334/334 [=====] - 1s 3ms/step - loss: 0.7850 - auc_116:
0.5154 - val_loss: 0.8096 - val_auc_116: 0.5142
Epoch 415/700
334/334 [=====] - 1s 3ms/step - loss: 0.7771 - auc_116:
0.5150 - val_loss: 0.7571 - val_auc_116: 0.5186
Epoch 416/700
334/334 [=====] - 1s 3ms/step - loss: 0.7912 - auc_116:
0.5171 - val_loss: 0.7112 - val_auc_116: 0.5170
Epoch 417/700
334/334 [=====] - 1s 3ms/step - loss: 0.7707 - auc_116:
0.5154 - val_loss: 0.7797 - val_auc_116: 0.5135
Epoch 418/700
334/334 [=====] - 1s 3ms/step - loss: 0.7804 - auc_116:
0.5132 - val_loss: 0.8467 - val_auc_116: 0.5094

Epoch 419/700
334/334 [=====] - 1s 3ms/step - loss: 0.7687 - auc_116:
0.5165 - val_loss: 0.7540 - val_auc_116: 0.5176

Epoch 420/700
334/334 [=====] - 1s 3ms/step - loss: 0.7727 - auc_116:
0.5185 - val_loss: 0.7429 - val_auc_116: 0.5196

Epoch 421/700
334/334 [=====] - 1s 3ms/step - loss: 0.7636 - auc_116:
0.5163 - val_loss: 0.7706 - val_auc_116: 0.5186

Epoch 422/700
334/334 [=====] - 1s 3ms/step - loss: 0.7853 - auc_116:
0.5141 - val_loss: 0.7991 - val_auc_116: 0.5122

Epoch 423/700
334/334 [=====] - 1s 3ms/step - loss: 0.7891 - auc_116:
0.5163 - val_loss: 0.9004 - val_auc_116: 0.5130

Epoch 424/700
334/334 [=====] - 1s 3ms/step - loss: 0.7891 - auc_116:
0.5138 - val_loss: 0.8781 - val_auc_116: 0.5106

Epoch 425/700
334/334 [=====] - 1s 3ms/step - loss: 0.7675 - auc_116:
0.5172 - val_loss: 0.7318 - val_auc_116: 0.5144

Epoch 426/700
334/334 [=====] - 1s 3ms/step - loss: 0.7739 - auc_116:
0.5156 - val_loss: 0.7624 - val_auc_116: 0.5134

Epoch 427/700
334/334 [=====] - 1s 3ms/step - loss: 0.7765 - auc_116:
0.5161 - val_loss: 0.7677 - val_auc_116: 0.5132

Epoch 428/700
334/334 [=====] - 1s 3ms/step - loss: 0.8034 - auc_116:
0.5152 - val_loss: 0.8095 - val_auc_116: 0.5118

Epoch 429/700
334/334 [=====] - 1s 3ms/step - loss: 0.7638 - auc_116:
0.5176 - val_loss: 0.7516 - val_auc_116: 0.5155

Epoch 430/700
334/334 [=====] - 1s 3ms/step - loss: 0.7757 - auc_116:
0.5152 - val_loss: 0.7922 - val_auc_116: 0.5146

Epoch 431/700
334/334 [=====] - 1s 3ms/step - loss: 0.7858 - auc_116:
0.5155 - val_loss: 0.7497 - val_auc_116: 0.5182

Epoch 432/700
334/334 [=====] - 1s 3ms/step - loss: 0.7841 - auc_116:
0.5162 - val_loss: 0.8715 - val_auc_116: 0.5099

Epoch 433/700
334/334 [=====] - 1s 3ms/step - loss: 0.8098 - auc_116:
0.5151 - val_loss: 0.8075 - val_auc_116: 0.5196

Epoch 434/700
334/334 [=====] - 1s 3ms/step - loss: 0.7837 - auc_116:
0.5150 - val_loss: 0.7640 - val_auc_116: 0.5218

Epoch 435/700
334/334 [=====] - 1s 3ms/step - loss: 0.7685 - auc_116:
0.5187 - val_loss: 0.7321 - val_auc_116: 0.5111

Epoch 436/700
334/334 [=====] - 1s 3ms/step - loss: 0.7767 - auc_116:
0.5167 - val_loss: 0.7790 - val_auc_116: 0.5161

Epoch 437/700
334/334 [=====] - 1s 3ms/step - loss: 0.7961 - auc_116:
0.5138 - val_loss: 0.8321 - val_auc_116: 0.5126

Epoch 438/700
334/334 [=====] - 1s 3ms/step - loss: 0.7680 - auc_116:
0.5168 - val_loss: 0.7836 - val_auc_116: 0.5095

Epoch 439/700
334/334 [=====] - 1s 3ms/step - loss: 0.7968 - auc_116:
0.5162 - val_loss: 0.7468 - val_auc_116: 0.5123

Epoch 440/700
334/334 [=====] - 1s 3ms/step - loss: 0.7715 - auc_116:
0.5157 - val_loss: 0.8559 - val_auc_116: 0.5180

Epoch 441/700
334/334 [=====] - 1s 3ms/step - loss: 0.7863 - auc_116:
0.5163 - val_loss: 0.8287 - val_auc_116: 0.5156

Epoch 442/700
334/334 [=====] - 1s 3ms/step - loss: 0.7792 - auc_116:
0.5158 - val_loss: 0.7722 - val_auc_116: 0.5121

Epoch 443/700
334/334 [=====] - 1s 3ms/step - loss: 0.7749 - auc_116:
0.5154 - val_loss: 0.7352 - val_auc_116: 0.5139

Epoch 444/700
334/334 [=====] - 1s 3ms/step - loss: 0.7802 - auc_116:
0.5161 - val_loss: 0.7427 - val_auc_116: 0.5124

Epoch 445/700
334/334 [=====] - 1s 3ms/step - loss: 0.7771 - auc_116:
0.5157 - val_loss: 0.8438 - val_auc_116: 0.5168

Epoch 446/700
334/334 [=====] - 1s 3ms/step - loss: 0.7924 - auc_116:
0.5150 - val_loss: 0.7950 - val_auc_116: 0.5063

Epoch 447/700
334/334 [=====] - 1s 3ms/step - loss: 0.7664 - auc_116:
0.5174 - val_loss: 0.8018 - val_auc_116: 0.5122

Epoch 448/700
334/334 [=====] - 1s 3ms/step - loss: 0.7823 - auc_116:
0.5157 - val_loss: 0.7600 - val_auc_116: 0.5146

Epoch 449/700
334/334 [=====] - 1s 3ms/step - loss: 0.7807 - auc_116:
0.5154 - val_loss: 0.8303 - val_auc_116: 0.5192

Epoch 450/700
334/334 [=====] - 1s 3ms/step - loss: 0.8015 - auc_116:
0.5167 - val_loss: 0.9082 - val_auc_116: 0.5138

Epoch 451/700
334/334 [=====] - 1s 3ms/step - loss: 0.7855 - auc_116:
0.5171 - val_loss: 0.7761 - val_auc_116: 0.5138
Epoch 452/700
334/334 [=====] - 1s 3ms/step - loss: 0.7711 - auc_116:
0.5164 - val_loss: 0.7716 - val_auc_116: 0.5209
Epoch 453/700
334/334 [=====] - 1s 3ms/step - loss: 0.7651 - auc_116:
0.5173 - val_loss: 0.7880 - val_auc_116: 0.5143
Epoch 454/700
334/334 [=====] - 1s 3ms/step - loss: 0.7703 - auc_116:
0.5146 - val_loss: 0.7240 - val_auc_116: 0.5142
Epoch 455/700
334/334 [=====] - 1s 3ms/step - loss: 0.7865 - auc_116:
0.5153 - val_loss: 0.7670 - val_auc_116: 0.5104
Epoch 456/700
334/334 [=====] - 1s 3ms/step - loss: 0.7708 - auc_116:
0.5152 - val_loss: 0.7408 - val_auc_116: 0.5154
Epoch 457/700
334/334 [=====] - 1s 3ms/step - loss: 0.7626 - auc_116:
0.5165 - val_loss: 0.7288 - val_auc_116: 0.5168
Epoch 458/700
334/334 [=====] - 1s 3ms/step - loss: 0.7888 - auc_116:
0.5159 - val_loss: 0.8221 - val_auc_116: 0.5132
Epoch 459/700
334/334 [=====] - 1s 3ms/step - loss: 0.7835 - auc_116:
0.5135 - val_loss: 0.7849 - val_auc_116: 0.5169
Epoch 460/700
334/334 [=====] - 1s 3ms/step - loss: 0.7857 - auc_116:
0.5140 - val_loss: 0.7657 - val_auc_116: 0.5163
Epoch 461/700
334/334 [=====] - 1s 3ms/step - loss: 0.7962 - auc_116:
0.5170 - val_loss: 0.7501 - val_auc_116: 0.5144
Epoch 462/700
334/334 [=====] - 1s 3ms/step - loss: 0.7676 - auc_116:
0.5169 - val_loss: 0.7998 - val_auc_116: 0.5151
Epoch 463/700
334/334 [=====] - 1s 3ms/step - loss: 0.7640 - auc_116:
0.5144 - val_loss: 0.7195 - val_auc_116: 0.5193
Epoch 464/700
334/334 [=====] - 1s 3ms/step - loss: 0.7962 - auc_116:
0.5155 - val_loss: 0.7807 - val_auc_116: 0.5189
Epoch 465/700
334/334 [=====] - 1s 3ms/step - loss: 0.7798 - auc_116:
0.5151 - val_loss: 0.8945 - val_auc_116: 0.5121
Epoch 466/700
334/334 [=====] - 1s 3ms/step - loss: 0.7751 - auc_116:
0.5162 - val_loss: 0.8277 - val_auc_116: 0.5120

Epoch 467/700
334/334 [=====] - 1s 3ms/step - loss: 0.7955 - auc_116:
0.5165 - val_loss: 0.8492 - val_auc_116: 0.5122
Epoch 468/700
334/334 [=====] - 1s 3ms/step - loss: 0.7855 - auc_116:
0.5161 - val_loss: 0.7647 - val_auc_116: 0.5119
Epoch 469/700
334/334 [=====] - 1s 3ms/step - loss: 0.7723 - auc_116:
0.5159 - val_loss: 0.7905 - val_auc_116: 0.5169
Epoch 470/700
334/334 [=====] - 1s 3ms/step - loss: 0.7911 - auc_116:
0.5158 - val_loss: 0.7922 - val_auc_116: 0.5161
Epoch 471/700
334/334 [=====] - 1s 3ms/step - loss: 0.7770 - auc_116:
0.5166 - val_loss: 0.7396 - val_auc_116: 0.5134
Epoch 472/700
334/334 [=====] - 1s 3ms/step - loss: 0.7674 - auc_116:
0.5157 - val_loss: 0.7475 - val_auc_116: 0.5095
Epoch 473/700
334/334 [=====] - 1s 3ms/step - loss: 0.7873 - auc_116:
0.5146 - val_loss: 0.7284 - val_auc_116: 0.5138
Epoch 474/700
334/334 [=====] - 1s 3ms/step - loss: 0.7675 - auc_116:
0.5154 - val_loss: 0.7756 - val_auc_116: 0.5081
Epoch 475/700
334/334 [=====] - 1s 3ms/step - loss: 0.7922 - auc_116:
0.5141 - val_loss: 0.7213 - val_auc_116: 0.5194
Epoch 476/700
334/334 [=====] - 1s 3ms/step - loss: 0.7821 - auc_116:
0.5156 - val_loss: 0.7350 - val_auc_116: 0.5162
Epoch 477/700
334/334 [=====] - 1s 3ms/step - loss: 0.7861 - auc_116:
0.5152 - val_loss: 0.7569 - val_auc_116: 0.5152
Epoch 478/700
334/334 [=====] - 1s 3ms/step - loss: 0.7750 - auc_116:
0.5146 - val_loss: 0.7713 - val_auc_116: 0.5143
Epoch 479/700
334/334 [=====] - 1s 3ms/step - loss: 0.7693 - auc_116:
0.5154 - val_loss: 0.7866 - val_auc_116: 0.5150
Epoch 480/700
334/334 [=====] - 1s 3ms/step - loss: 0.7846 - auc_116:
0.5159 - val_loss: 0.7457 - val_auc_116: 0.5192
Epoch 481/700
334/334 [=====] - 1s 3ms/step - loss: 0.7752 - auc_116:
0.5160 - val_loss: 0.8210 - val_auc_116: 0.5084
Epoch 482/700
334/334 [=====] - 1s 3ms/step - loss: 0.7864 - auc_116:
0.5165 - val_loss: 0.8194 - val_auc_116: 0.5091

Epoch 483/700
334/334 [=====] - 1s 3ms/step - loss: 0.7811 - auc_116:
0.5153 - val_loss: 0.8233 - val_auc_116: 0.5120
Epoch 484/700
334/334 [=====] - 1s 3ms/step - loss: 0.7684 - auc_116:
0.5164 - val_loss: 0.7361 - val_auc_116: 0.5178
Epoch 485/700
334/334 [=====] - 1s 3ms/step - loss: 0.7902 - auc_116:
0.5145 - val_loss: 0.7466 - val_auc_116: 0.5172
Epoch 486/700
334/334 [=====] - 1s 3ms/step - loss: 0.7753 - auc_116:
0.5166 - val_loss: 0.7648 - val_auc_116: 0.5192
Epoch 487/700
334/334 [=====] - 1s 3ms/step - loss: 0.7748 - auc_116:
0.5169 - val_loss: 0.8622 - val_auc_116: 0.5109
Epoch 488/700
334/334 [=====] - 1s 3ms/step - loss: 0.7991 - auc_116:
0.5152 - val_loss: 0.7248 - val_auc_116: 0.5206
Epoch 489/700
334/334 [=====] - 1s 3ms/step - loss: 0.7774 - auc_116:
0.5157 - val_loss: 0.7964 - val_auc_116: 0.5128
Epoch 490/700
334/334 [=====] - 1s 3ms/step - loss: 0.7825 - auc_116:
0.5157 - val_loss: 0.7787 - val_auc_116: 0.5139
Epoch 491/700
334/334 [=====] - 1s 3ms/step - loss: 0.7850 - auc_116:
0.5144 - val_loss: 0.7812 - val_auc_116: 0.5148
Epoch 492/700
334/334 [=====] - 1s 3ms/step - loss: 0.8060 - auc_116:
0.5152 - val_loss: 0.8071 - val_auc_116: 0.5129
Epoch 493/700
334/334 [=====] - 1s 3ms/step - loss: 0.7787 - auc_116:
0.5150 - val_loss: 0.7189 - val_auc_116: 0.5208
Epoch 494/700
334/334 [=====] - 1s 3ms/step - loss: 0.7679 - auc_116:
0.5178 - val_loss: 0.7629 - val_auc_116: 0.5121
Epoch 495/700
334/334 [=====] - 1s 3ms/step - loss: 0.7732 - auc_116:
0.5145 - val_loss: 0.9331 - val_auc_116: 0.5109
Epoch 496/700
334/334 [=====] - 1s 3ms/step - loss: 0.7991 - auc_116:
0.5164 - val_loss: 0.7905 - val_auc_116: 0.5156
Epoch 497/700
334/334 [=====] - 1s 3ms/step - loss: 0.7773 - auc_116:
0.5175 - val_loss: 0.9292 - val_auc_116: 0.5067
Epoch 498/700
334/334 [=====] - 1s 3ms/step - loss: 0.7916 - auc_116:
0.5158 - val_loss: 0.7783 - val_auc_116: 0.5040

Epoch 499/700
334/334 [=====] - 1s 3ms/step - loss: 0.7920 - auc_116:
0.5163 - val_loss: 0.8047 - val_auc_116: 0.5158
Epoch 500/700
334/334 [=====] - 1s 3ms/step - loss: 0.7692 - auc_116:
0.5156 - val_loss: 0.7450 - val_auc_116: 0.5148
Epoch 501/700
334/334 [=====] - 1s 3ms/step - loss: 0.7686 - auc_116:
0.5170 - val_loss: 0.8100 - val_auc_116: 0.5168
Epoch 502/700
334/334 [=====] - 1s 3ms/step - loss: 0.7981 - auc_116:
0.5154 - val_loss: 0.8356 - val_auc_116: 0.5129
Epoch 503/700
334/334 [=====] - 1s 3ms/step - loss: 0.7887 - auc_116:
0.5185 - val_loss: 0.8077 - val_auc_116: 0.5138
Epoch 504/700
334/334 [=====] - 1s 3ms/step - loss: 0.7674 - auc_116:
0.5171 - val_loss: 0.7533 - val_auc_116: 0.5119
Epoch 505/700
334/334 [=====] - 1s 3ms/step - loss: 0.7707 - auc_116:
0.5152 - val_loss: 0.7859 - val_auc_116: 0.5151
Epoch 506/700
334/334 [=====] - 1s 3ms/step - loss: 0.7678 - auc_116:
0.5165 - val_loss: 0.7476 - val_auc_116: 0.5074
Epoch 507/700
334/334 [=====] - 1s 3ms/step - loss: 0.7724 - auc_116:
0.5160 - val_loss: 0.7480 - val_auc_116: 0.5149
Epoch 508/700
334/334 [=====] - 1s 3ms/step - loss: 0.7762 - auc_116:
0.5149 - val_loss: 0.7453 - val_auc_116: 0.5150
Epoch 509/700
334/334 [=====] - 1s 3ms/step - loss: 0.7823 - auc_116:
0.5170 - val_loss: 0.7987 - val_auc_116: 0.5156
Epoch 510/700
334/334 [=====] - 1s 3ms/step - loss: 0.8040 - auc_116:
0.5161 - val_loss: 0.7390 - val_auc_116: 0.5192
Epoch 511/700
334/334 [=====] - 1s 3ms/step - loss: 0.7872 - auc_116:
0.5152 - val_loss: 0.7105 - val_auc_116: 0.5174
Epoch 512/700
334/334 [=====] - 1s 3ms/step - loss: 0.7592 - auc_116:
0.5157 - val_loss: 0.7663 - val_auc_116: 0.5134
Epoch 513/700
334/334 [=====] - 1s 3ms/step - loss: 0.7885 - auc_116:
0.5144 - val_loss: 0.7556 - val_auc_116: 0.5100
Epoch 514/700
334/334 [=====] - 1s 3ms/step - loss: 0.7714 - auc_116:
0.5154 - val_loss: 0.7931 - val_auc_116: 0.5097

Epoch 515/700
334/334 [=====] - 1s 3ms/step - loss: 0.7669 - auc_116:
0.5158 - val_loss: 0.7034 - val_auc_116: 0.5187
Epoch 516/700
334/334 [=====] - 1s 3ms/step - loss: 0.7704 - auc_116:
0.5155 - val_loss: 0.7929 - val_auc_116: 0.5115
Epoch 517/700
334/334 [=====] - 1s 3ms/step - loss: 0.7812 - auc_116:
0.5156 - val_loss: 0.7801 - val_auc_116: 0.5118
Epoch 518/700
334/334 [=====] - 1s 3ms/step - loss: 0.7813 - auc_116:
0.5157 - val_loss: 0.7182 - val_auc_116: 0.5129
Epoch 519/700
334/334 [=====] - 1s 3ms/step - loss: 0.7708 - auc_116:
0.5141 - val_loss: 0.7415 - val_auc_116: 0.5211
Epoch 520/700
334/334 [=====] - 1s 3ms/step - loss: 0.7727 - auc_116:
0.5176 - val_loss: 0.8276 - val_auc_116: 0.5142
Epoch 521/700
334/334 [=====] - 1s 3ms/step - loss: 0.7989 - auc_116:
0.5165 - val_loss: 0.7682 - val_auc_116: 0.5105
Epoch 522/700
334/334 [=====] - 1s 3ms/step - loss: 0.7729 - auc_116:
0.5184 - val_loss: 0.7455 - val_auc_116: 0.5186
Epoch 523/700
334/334 [=====] - 1s 3ms/step - loss: 0.7876 - auc_116:
0.5177 - val_loss: 0.7727 - val_auc_116: 0.5124
Epoch 524/700
334/334 [=====] - 1s 3ms/step - loss: 0.7759 - auc_116:
0.5142 - val_loss: 0.8562 - val_auc_116: 0.5125
Epoch 525/700
334/334 [=====] - 1s 3ms/step - loss: 0.7809 - auc_116:
0.5141 - val_loss: 0.7415 - val_auc_116: 0.5187
Epoch 526/700
334/334 [=====] - 1s 3ms/step - loss: 0.7746 - auc_116:
0.5165 - val_loss: 0.7618 - val_auc_116: 0.5172
Epoch 527/700
334/334 [=====] - 1s 3ms/step - loss: 0.7687 - auc_116:
0.5165 - val_loss: 0.7613 - val_auc_116: 0.5150
Epoch 528/700
334/334 [=====] - 1s 3ms/step - loss: 0.7963 - auc_116:
0.5182 - val_loss: 0.8166 - val_auc_116: 0.5151
Epoch 529/700
334/334 [=====] - 1s 3ms/step - loss: 0.7985 - auc_116:
0.5175 - val_loss: 0.7419 - val_auc_116: 0.5165
Epoch 530/700
334/334 [=====] - 1s 3ms/step - loss: 0.7778 - auc_116:
0.5188 - val_loss: 0.7471 - val_auc_116: 0.5161

Epoch 531/700
334/334 [=====] - 1s 3ms/step - loss: 0.7894 - auc_116:
0.5133 - val_loss: 0.8199 - val_auc_116: 0.5156
Epoch 532/700
334/334 [=====] - 1s 3ms/step - loss: 0.7877 - auc_116:
0.5139 - val_loss: 0.7718 - val_auc_116: 0.5142
Epoch 533/700
334/334 [=====] - 1s 3ms/step - loss: 0.7786 - auc_116:
0.5174 - val_loss: 0.7708 - val_auc_116: 0.5183
Epoch 534/700
334/334 [=====] - 1s 3ms/step - loss: 0.7715 - auc_116:
0.5151 - val_loss: 0.7810 - val_auc_116: 0.5165
Epoch 535/700
334/334 [=====] - 1s 3ms/step - loss: 0.7529 - auc_116:
0.5178 - val_loss: 0.7784 - val_auc_116: 0.5146
Epoch 536/700
334/334 [=====] - 1s 3ms/step - loss: 0.7954 - auc_116:
0.5141 - val_loss: 0.7386 - val_auc_116: 0.5155
Epoch 537/700
334/334 [=====] - 1s 3ms/step - loss: 0.7915 - auc_116:
0.5156 - val_loss: 0.7861 - val_auc_116: 0.5148
Epoch 538/700
334/334 [=====] - 1s 3ms/step - loss: 0.7906 - auc_116:
0.5192 - val_loss: 0.9065 - val_auc_116: 0.5154
Epoch 539/700
334/334 [=====] - 1s 3ms/step - loss: 0.7873 - auc_116:
0.5157 - val_loss: 0.8169 - val_auc_116: 0.5081
Epoch 540/700
334/334 [=====] - 1s 3ms/step - loss: 0.7616 - auc_116:
0.5156 - val_loss: 0.7391 - val_auc_116: 0.5161
Epoch 541/700
334/334 [=====] - 1s 3ms/step - loss: 0.7797 - auc_116:
0.5171 - val_loss: 0.7598 - val_auc_116: 0.5125
Epoch 542/700
334/334 [=====] - 1s 3ms/step - loss: 0.7942 - auc_116:
0.5156 - val_loss: 0.8307 - val_auc_116: 0.5146
Epoch 543/700
334/334 [=====] - 1s 3ms/step - loss: 0.7710 - auc_116:
0.5185 - val_loss: 0.7985 - val_auc_116: 0.5150
Epoch 544/700
334/334 [=====] - 1s 3ms/step - loss: 0.8091 - auc_116:
0.5167 - val_loss: 0.7512 - val_auc_116: 0.5217
Epoch 545/700
334/334 [=====] - 1s 3ms/step - loss: 0.7680 - auc_116:
0.5188 - val_loss: 0.7294 - val_auc_116: 0.5178
Epoch 546/700
334/334 [=====] - 1s 3ms/step - loss: 0.7812 - auc_116:
0.5163 - val_loss: 0.7477 - val_auc_116: 0.5163

Epoch 547/700
334/334 [=====] - 1s 3ms/step - loss: 0.7919 - auc_116:
0.5173 - val_loss: 0.8576 - val_auc_116: 0.5105
Epoch 548/700
334/334 [=====] - 1s 3ms/step - loss: 0.7702 - auc_116:
0.5142 - val_loss: 0.8454 - val_auc_116: 0.5165
Epoch 549/700
334/334 [=====] - 1s 3ms/step - loss: 0.7724 - auc_116:
0.5190 - val_loss: 0.7243 - val_auc_116: 0.5193
Epoch 550/700
334/334 [=====] - 1s 3ms/step - loss: 0.7741 - auc_116:
0.5170 - val_loss: 0.7705 - val_auc_116: 0.5091
Epoch 551/700
334/334 [=====] - 1s 3ms/step - loss: 0.7972 - auc_116:
0.5188 - val_loss: 0.7997 - val_auc_116: 0.5149
Epoch 552/700
334/334 [=====] - 1s 3ms/step - loss: 0.7843 - auc_116:
0.5171 - val_loss: 0.7601 - val_auc_116: 0.5110
Epoch 553/700
334/334 [=====] - 1s 3ms/step - loss: 0.7844 - auc_116:
0.5164 - val_loss: 1.0754 - val_auc_116: 0.5052
Epoch 554/700
334/334 [=====] - 1s 3ms/step - loss: 0.7943 - auc_116:
0.5186 - val_loss: 0.7290 - val_auc_116: 0.5156
Epoch 555/700
334/334 [=====] - 1s 3ms/step - loss: 0.7789 - auc_116:
0.5166 - val_loss: 0.8221 - val_auc_116: 0.5097
Epoch 556/700
334/334 [=====] - 1s 3ms/step - loss: 0.8049 - auc_116:
0.5176 - val_loss: 0.7570 - val_auc_116: 0.5180
Epoch 557/700
334/334 [=====] - 1s 3ms/step - loss: 0.8009 - auc_116:
0.5136 - val_loss: 0.7886 - val_auc_116: 0.5214
Epoch 558/700
334/334 [=====] - 1s 3ms/step - loss: 0.7662 - auc_116:
0.5153 - val_loss: 0.7129 - val_auc_116: 0.5228
Epoch 559/700
334/334 [=====] - 1s 3ms/step - loss: 0.7938 - auc_116:
0.5153 - val_loss: 0.7534 - val_auc_116: 0.5125
Epoch 560/700
334/334 [=====] - 1s 3ms/step - loss: 0.7561 - auc_116:
0.5171 - val_loss: 0.7506 - val_auc_116: 0.5149
Epoch 561/700
334/334 [=====] - 1s 3ms/step - loss: 0.7810 - auc_116:
0.5152 - val_loss: 0.8255 - val_auc_116: 0.5162
Epoch 562/700
334/334 [=====] - 1s 3ms/step - loss: 0.7727 - auc_116:
0.5147 - val_loss: 0.8346 - val_auc_116: 0.5133

Epoch 563/700
334/334 [=====] - 1s 3ms/step - loss: 0.7853 - auc_116:
0.5159 - val_loss: 0.7514 - val_auc_116: 0.5088
Epoch 564/700
334/334 [=====] - 1s 3ms/step - loss: 0.7811 - auc_116:
0.5198 - val_loss: 0.8835 - val_auc_116: 0.5148
Epoch 565/700
334/334 [=====] - 1s 3ms/step - loss: 0.7716 - auc_116:
0.5167 - val_loss: 0.8701 - val_auc_116: 0.5222
Epoch 566/700
334/334 [=====] - 1s 3ms/step - loss: 0.7977 - auc_116:
0.5148 - val_loss: 0.7466 - val_auc_116: 0.5120
Epoch 567/700
334/334 [=====] - 1s 3ms/step - loss: 0.7823 - auc_116:
0.5153 - val_loss: 0.8616 - val_auc_116: 0.5120
Epoch 568/700
334/334 [=====] - 1s 3ms/step - loss: 0.7766 - auc_116:
0.5137 - val_loss: 0.7775 - val_auc_116: 0.5144
Epoch 569/700
334/334 [=====] - 1s 3ms/step - loss: 0.7725 - auc_116:
0.5167 - val_loss: 0.8982 - val_auc_116: 0.5119
Epoch 570/700
334/334 [=====] - 1s 3ms/step - loss: 0.7774 - auc_116:
0.5164 - val_loss: 0.9108 - val_auc_116: 0.5119
Epoch 571/700
334/334 [=====] - 1s 3ms/step - loss: 0.7876 - auc_116:
0.5165 - val_loss: 0.7549 - val_auc_116: 0.5101
Epoch 572/700
334/334 [=====] - 1s 3ms/step - loss: 0.7985 - auc_116:
0.5157 - val_loss: 0.8407 - val_auc_116: 0.5124
Epoch 573/700
334/334 [=====] - 1s 3ms/step - loss: 0.7943 - auc_116:
0.5147 - val_loss: 0.7980 - val_auc_116: 0.5081
Epoch 574/700
334/334 [=====] - 1s 3ms/step - loss: 0.7630 - auc_116:
0.5149 - val_loss: 0.7680 - val_auc_116: 0.5194
Epoch 575/700
334/334 [=====] - 1s 3ms/step - loss: 0.7796 - auc_116:
0.5165 - val_loss: 0.8794 - val_auc_116: 0.5095
Epoch 576/700
334/334 [=====] - 1s 3ms/step - loss: 0.7732 - auc_116:
0.5186 - val_loss: 0.7985 - val_auc_116: 0.5102
Epoch 577/700
334/334 [=====] - 1s 3ms/step - loss: 0.7877 - auc_116:
0.5172 - val_loss: 0.7842 - val_auc_116: 0.5104
Epoch 578/700
334/334 [=====] - 1s 3ms/step - loss: 0.7781 - auc_116:
0.5138 - val_loss: 0.7432 - val_auc_116: 0.5188

Epoch 579/700
334/334 [=====] - 1s 3ms/step - loss: 0.7668 - auc_116:
0.5189 - val_loss: 0.7833 - val_auc_116: 0.5128
Epoch 580/700
334/334 [=====] - 1s 3ms/step - loss: 0.7911 - auc_116:
0.5176 - val_loss: 0.7491 - val_auc_116: 0.5200
Epoch 581/700
334/334 [=====] - 1s 3ms/step - loss: 0.7744 - auc_116:
0.5175 - val_loss: 0.7586 - val_auc_116: 0.5221
Epoch 582/700
334/334 [=====] - 1s 3ms/step - loss: 0.7648 - auc_116:
0.5195 - val_loss: 0.7835 - val_auc_116: 0.5162
Epoch 583/700
334/334 [=====] - 1s 3ms/step - loss: 0.7735 - auc_116:
0.5173 - val_loss: 0.8154 - val_auc_116: 0.5171
Epoch 584/700
334/334 [=====] - 1s 3ms/step - loss: 0.7732 - auc_116:
0.5162 - val_loss: 0.7746 - val_auc_116: 0.5116
Epoch 585/700
334/334 [=====] - 1s 3ms/step - loss: 0.7748 - auc_116:
0.5146 - val_loss: 0.7480 - val_auc_116: 0.5118
Epoch 586/700
334/334 [=====] - 1s 3ms/step - loss: 0.7671 - auc_116:
0.5178 - val_loss: 0.8349 - val_auc_116: 0.5182
Epoch 587/700
334/334 [=====] - 1s 3ms/step - loss: 0.7867 - auc_116:
0.5187 - val_loss: 0.7247 - val_auc_116: 0.5203
Epoch 588/700
334/334 [=====] - 1s 3ms/step - loss: 0.8134 - auc_116:
0.5151 - val_loss: 0.7573 - val_auc_116: 0.5143
Epoch 589/700
334/334 [=====] - 1s 3ms/step - loss: 0.8112 - auc_116:
0.5163 - val_loss: 0.7843 - val_auc_116: 0.5169
Epoch 590/700
334/334 [=====] - 1s 3ms/step - loss: 0.7665 - auc_116:
0.5168 - val_loss: 0.7338 - val_auc_116: 0.5174
Epoch 591/700
334/334 [=====] - 1s 3ms/step - loss: 0.7748 - auc_116:
0.5171 - val_loss: 0.8586 - val_auc_116: 0.5191
Epoch 592/700
334/334 [=====] - 1s 3ms/step - loss: 0.7736 - auc_116:
0.5190 - val_loss: 0.9408 - val_auc_116: 0.5114
Epoch 593/700
334/334 [=====] - 1s 3ms/step - loss: 0.7710 - auc_116:
0.5175 - val_loss: 0.7534 - val_auc_116: 0.5214
Epoch 594/700
334/334 [=====] - 1s 3ms/step - loss: 0.7937 - auc_116:
0.5152 - val_loss: 0.7963 - val_auc_116: 0.5146

Epoch 595/700
334/334 [=====] - 1s 3ms/step - loss: 0.7802 - auc_116:
0.5173 - val_loss: 0.7131 - val_auc_116: 0.5194
Epoch 596/700
334/334 [=====] - 1s 3ms/step - loss: 0.7693 - auc_116:
0.5177 - val_loss: 0.7065 - val_auc_116: 0.5191
Epoch 597/700
334/334 [=====] - 1s 3ms/step - loss: 0.7927 - auc_116:
0.5139 - val_loss: 0.7409 - val_auc_116: 0.5120
Epoch 598/700
334/334 [=====] - 1s 3ms/step - loss: 0.8079 - auc_116:
0.5174 - val_loss: 0.7648 - val_auc_116: 0.5177
Epoch 599/700
334/334 [=====] - 1s 3ms/step - loss: 0.7689 - auc_116:
0.5155 - val_loss: 0.8135 - val_auc_116: 0.5148
Epoch 600/700
334/334 [=====] - 1s 3ms/step - loss: 0.7972 - auc_116:
0.5162 - val_loss: 0.7834 - val_auc_116: 0.5071
Epoch 601/700
334/334 [=====] - 1s 3ms/step - loss: 0.7783 - auc_116:
0.5177 - val_loss: 0.9625 - val_auc_116: 0.5102
Epoch 602/700
334/334 [=====] - 1s 3ms/step - loss: 0.8051 - auc_116:
0.5158 - val_loss: 0.7942 - val_auc_116: 0.5078
Epoch 603/700
334/334 [=====] - 1s 3ms/step - loss: 0.7935 - auc_116:
0.5177 - val_loss: 0.9459 - val_auc_116: 0.5121
Epoch 604/700
334/334 [=====] - 1s 3ms/step - loss: 0.7743 - auc_116:
0.5143 - val_loss: 0.8436 - val_auc_116: 0.5155
Epoch 605/700
334/334 [=====] - 1s 3ms/step - loss: 0.7882 - auc_116:
0.5173 - val_loss: 0.7428 - val_auc_116: 0.5053
Epoch 606/700
334/334 [=====] - 1s 3ms/step - loss: 0.7775 - auc_116:
0.5161 - val_loss: 0.7622 - val_auc_116: 0.5160
Epoch 607/700
334/334 [=====] - 1s 3ms/step - loss: 0.7913 - auc_116:
0.5147 - val_loss: 0.9510 - val_auc_116: 0.5140
Epoch 608/700
334/334 [=====] - 1s 3ms/step - loss: 0.7658 - auc_116:
0.5174 - val_loss: 0.7607 - val_auc_116: 0.5145
Epoch 609/700
334/334 [=====] - 1s 3ms/step - loss: 0.7740 - auc_116:
0.5161 - val_loss: 0.8312 - val_auc_116: 0.5124
Epoch 610/700
334/334 [=====] - 1s 3ms/step - loss: 0.7886 - auc_116:
0.5154 - val_loss: 0.7384 - val_auc_116: 0.5189

Epoch 611/700
334/334 [=====] - 1s 3ms/step - loss: 0.7834 - auc_116:
0.5163 - val_loss: 0.8105 - val_auc_116: 0.5175
Epoch 612/700
334/334 [=====] - 1s 3ms/step - loss: 0.7786 - auc_116:
0.5171 - val_loss: 0.7527 - val_auc_116: 0.5187
Epoch 613/700
334/334 [=====] - 1s 3ms/step - loss: 0.7684 - auc_116:
0.5175 - val_loss: 0.8008 - val_auc_116: 0.5122
Epoch 614/700
334/334 [=====] - 1s 3ms/step - loss: 0.7781 - auc_116:
0.5164 - val_loss: 0.7831 - val_auc_116: 0.5180
Epoch 615/700
334/334 [=====] - 1s 3ms/step - loss: 0.8047 - auc_116:
0.5144 - val_loss: 0.8882 - val_auc_116: 0.5122
Epoch 616/700
334/334 [=====] - 1s 3ms/step - loss: 0.7694 - auc_116:
0.5185 - val_loss: 0.7588 - val_auc_116: 0.5151
Epoch 617/700
334/334 [=====] - 1s 3ms/step - loss: 0.7670 - auc_116:
0.5187 - val_loss: 0.7127 - val_auc_116: 0.5198
Epoch 618/700
334/334 [=====] - 1s 3ms/step - loss: 0.7759 - auc_116:
0.5171 - val_loss: 0.8871 - val_auc_116: 0.5153
Epoch 619/700
334/334 [=====] - 1s 3ms/step - loss: 0.7819 - auc_116:
0.5150 - val_loss: 0.7427 - val_auc_116: 0.5098
Epoch 620/700
334/334 [=====] - 1s 3ms/step - loss: 0.7656 - auc_116:
0.5156 - val_loss: 0.7254 - val_auc_116: 0.5149
Epoch 621/700
334/334 [=====] - 1s 3ms/step - loss: 0.7965 - auc_116:
0.5156 - val_loss: 0.7724 - val_auc_116: 0.5172
Epoch 622/700
334/334 [=====] - 1s 3ms/step - loss: 0.7885 - auc_116:
0.5179 - val_loss: 0.7694 - val_auc_116: 0.5142
Epoch 623/700
334/334 [=====] - 1s 3ms/step - loss: 0.7717 - auc_116:
0.5146 - val_loss: 0.7404 - val_auc_116: 0.5119
Epoch 624/700
334/334 [=====] - 1s 3ms/step - loss: 0.7777 - auc_116:
0.5160 - val_loss: 0.8081 - val_auc_116: 0.5130
Epoch 625/700
334/334 [=====] - 1s 3ms/step - loss: 0.7823 - auc_116:
0.5164 - val_loss: 0.7392 - val_auc_116: 0.5157
Epoch 626/700
334/334 [=====] - 1s 3ms/step - loss: 0.7692 - auc_116:
0.5171 - val_loss: 1.0084 - val_auc_116: 0.5079

Epoch 627/700
334/334 [=====] - 1s 3ms/step - loss: 0.7923 - auc_116:
0.5147 - val_loss: 0.8084 - val_auc_116: 0.5131

Epoch 628/700
334/334 [=====] - 1s 3ms/step - loss: 0.8146 - auc_116:
0.5160 - val_loss: 0.7844 - val_auc_116: 0.5140

Epoch 629/700
334/334 [=====] - 1s 3ms/step - loss: 0.7800 - auc_116:
0.5152 - val_loss: 0.7855 - val_auc_116: 0.5150

Epoch 630/700
334/334 [=====] - 1s 3ms/step - loss: 0.7782 - auc_116:
0.5170 - val_loss: 0.8829 - val_auc_116: 0.5081

Epoch 631/700
334/334 [=====] - 1s 3ms/step - loss: 0.7705 - auc_116:
0.5175 - val_loss: 0.7080 - val_auc_116: 0.5183

Epoch 632/700
334/334 [=====] - 1s 3ms/step - loss: 0.7865 - auc_116:
0.5169 - val_loss: 0.7496 - val_auc_116: 0.5133

Epoch 633/700
334/334 [=====] - 1s 3ms/step - loss: 0.7612 - auc_116:
0.5164 - val_loss: 0.7810 - val_auc_116: 0.5119

Epoch 634/700
334/334 [=====] - 1s 3ms/step - loss: 0.7853 - auc_116:
0.5158 - val_loss: 0.7946 - val_auc_116: 0.5094

Epoch 635/700
334/334 [=====] - 1s 3ms/step - loss: 0.7754 - auc_116:
0.5144 - val_loss: 0.7786 - val_auc_116: 0.5168

Epoch 636/700
334/334 [=====] - 1s 3ms/step - loss: 0.7748 - auc_116:
0.5174 - val_loss: 0.7495 - val_auc_116: 0.5107

Epoch 637/700
334/334 [=====] - 1s 3ms/step - loss: 0.7783 - auc_116:
0.5171 - val_loss: 0.7245 - val_auc_116: 0.5180

Epoch 638/700
334/334 [=====] - 1s 3ms/step - loss: 0.7941 - auc_116:
0.5173 - val_loss: 0.8432 - val_auc_116: 0.5131

Epoch 639/700
334/334 [=====] - 1s 3ms/step - loss: 0.7658 - auc_116:
0.5152 - val_loss: 0.7247 - val_auc_116: 0.5180

Epoch 640/700
334/334 [=====] - 1s 3ms/step - loss: 0.7790 - auc_116:
0.5152 - val_loss: 0.7197 - val_auc_116: 0.5160

Epoch 641/700
334/334 [=====] - 1s 3ms/step - loss: 0.7870 - auc_116:
0.5174 - val_loss: 0.8447 - val_auc_116: 0.5159

Epoch 642/700
334/334 [=====] - 1s 3ms/step - loss: 0.7729 - auc_116:
0.5146 - val_loss: 0.8056 - val_auc_116: 0.5086

Epoch 643/700
334/334 [=====] - 1s 3ms/step - loss: 0.7909 - auc_116:
0.5175 - val_loss: 0.8440 - val_auc_116: 0.5118
Epoch 644/700
334/334 [=====] - 1s 3ms/step - loss: 0.7849 - auc_116:
0.5157 - val_loss: 0.7347 - val_auc_116: 0.5135
Epoch 645/700
334/334 [=====] - 1s 3ms/step - loss: 0.7882 - auc_116:
0.5141 - val_loss: 0.7582 - val_auc_116: 0.5149
Epoch 646/700
334/334 [=====] - 1s 3ms/step - loss: 0.7789 - auc_116:
0.5156 - val_loss: 0.7495 - val_auc_116: 0.5174
Epoch 647/700
334/334 [=====] - 1s 3ms/step - loss: 0.7753 - auc_116:
0.5146 - val_loss: 0.7376 - val_auc_116: 0.5138
Epoch 648/700
334/334 [=====] - 1s 3ms/step - loss: 0.7598 - auc_116:
0.5150 - val_loss: 0.8151 - val_auc_116: 0.5093
Epoch 649/700
334/334 [=====] - 1s 3ms/step - loss: 0.7693 - auc_116:
0.5173 - val_loss: 0.7678 - val_auc_116: 0.5166
Epoch 650/700
334/334 [=====] - 1s 3ms/step - loss: 0.7815 - auc_116:
0.5167 - val_loss: 0.7570 - val_auc_116: 0.5104
Epoch 651/700
334/334 [=====] - 1s 3ms/step - loss: 0.7943 - auc_116:
0.5159 - val_loss: 0.7810 - val_auc_116: 0.5145
Epoch 652/700
334/334 [=====] - 1s 3ms/step - loss: 0.7909 - auc_116:
0.5168 - val_loss: 0.7280 - val_auc_116: 0.5146
Epoch 653/700
334/334 [=====] - 1s 3ms/step - loss: 0.7810 - auc_116:
0.5162 - val_loss: 0.8275 - val_auc_116: 0.5123
Epoch 654/700
334/334 [=====] - 1s 3ms/step - loss: 0.7844 - auc_116:
0.5193 - val_loss: 0.7240 - val_auc_116: 0.5182
Epoch 655/700
334/334 [=====] - 1s 3ms/step - loss: 0.7782 - auc_116:
0.5162 - val_loss: 0.8539 - val_auc_116: 0.5133
Epoch 656/700
334/334 [=====] - 1s 3ms/step - loss: 0.7684 - auc_116:
0.5184 - val_loss: 0.7357 - val_auc_116: 0.5121
Epoch 657/700
334/334 [=====] - 1s 3ms/step - loss: 0.7756 - auc_116:
0.5144 - val_loss: 0.7688 - val_auc_116: 0.5156
Epoch 658/700
334/334 [=====] - 1s 3ms/step - loss: 0.7747 - auc_116:
0.5180 - val_loss: 0.7735 - val_auc_116: 0.5122

Epoch 659/700
334/334 [=====] - 1s 3ms/step - loss: 0.7681 - auc_116:
0.5148 - val_loss: 0.8348 - val_auc_116: 0.5100

Epoch 660/700
334/334 [=====] - 1s 3ms/step - loss: 0.7851 - auc_116:
0.5160 - val_loss: 0.9179 - val_auc_116: 0.5079

Epoch 661/700
334/334 [=====] - 1s 3ms/step - loss: 0.7881 - auc_116:
0.5145 - val_loss: 0.7928 - val_auc_116: 0.5124

Epoch 662/700
334/334 [=====] - 1s 3ms/step - loss: 0.7862 - auc_116:
0.5176 - val_loss: 0.8100 - val_auc_116: 0.5106

Epoch 663/700
334/334 [=====] - 1s 3ms/step - loss: 0.7825 - auc_116:
0.5157 - val_loss: 0.8344 - val_auc_116: 0.5125

Epoch 664/700
334/334 [=====] - 1s 3ms/step - loss: 0.7789 - auc_116:
0.5164 - val_loss: 0.7348 - val_auc_116: 0.5181

Epoch 665/700
334/334 [=====] - 1s 3ms/step - loss: 0.7897 - auc_116:
0.5148 - val_loss: 0.8159 - val_auc_116: 0.5117

Epoch 666/700
334/334 [=====] - 1s 3ms/step - loss: 0.7567 - auc_116:
0.5187 - val_loss: 0.8194 - val_auc_116: 0.5166

Epoch 667/700
334/334 [=====] - 1s 3ms/step - loss: 0.7934 - auc_116:
0.5184 - val_loss: 0.7864 - val_auc_116: 0.5124

Epoch 668/700
334/334 [=====] - 1s 3ms/step - loss: 0.7712 - auc_116:
0.5150 - val_loss: 0.7731 - val_auc_116: 0.5095

Epoch 669/700
334/334 [=====] - 1s 3ms/step - loss: 0.7857 - auc_116:
0.5152 - val_loss: 0.7556 - val_auc_116: 0.5143

Epoch 670/700
334/334 [=====] - 1s 3ms/step - loss: 0.7582 - auc_116:
0.5170 - val_loss: 0.8998 - val_auc_116: 0.5126

Epoch 671/700
334/334 [=====] - 1s 3ms/step - loss: 0.7766 - auc_116:
0.5165 - val_loss: 0.8769 - val_auc_116: 0.5132

Epoch 672/700
334/334 [=====] - 1s 3ms/step - loss: 0.7830 - auc_116:
0.5186 - val_loss: 0.7842 - val_auc_116: 0.5185

Epoch 673/700
334/334 [=====] - 1s 3ms/step - loss: 0.8103 - auc_116:
0.5186 - val_loss: 0.9856 - val_auc_116: 0.5125

Epoch 674/700
334/334 [=====] - 1s 3ms/step - loss: 0.7730 - auc_116:
0.5173 - val_loss: 0.7539 - val_auc_116: 0.5180

Epoch 675/700
334/334 [=====] - 1s 3ms/step - loss: 0.7729 - auc_116:
0.5175 - val_loss: 0.7696 - val_auc_116: 0.5182

Epoch 676/700
334/334 [=====] - 1s 3ms/step - loss: 0.7939 - auc_116:
0.5150 - val_loss: 0.8909 - val_auc_116: 0.5160

Epoch 677/700
334/334 [=====] - 1s 3ms/step - loss: 0.7855 - auc_116:
0.5181 - val_loss: 0.7591 - val_auc_116: 0.5120

Epoch 678/700
334/334 [=====] - 1s 3ms/step - loss: 0.7935 - auc_116:
0.5156 - val_loss: 0.7360 - val_auc_116: 0.5116

Epoch 679/700
334/334 [=====] - 1s 3ms/step - loss: 0.7791 - auc_116:
0.5140 - val_loss: 0.7673 - val_auc_116: 0.5164

Epoch 680/700
334/334 [=====] - 1s 3ms/step - loss: 0.7759 - auc_116:
0.5180 - val_loss: 0.8816 - val_auc_116: 0.5125

Epoch 681/700
334/334 [=====] - 1s 3ms/step - loss: 0.7827 - auc_116:
0.5149 - val_loss: 0.7342 - val_auc_116: 0.5137

Epoch 682/700
334/334 [=====] - 1s 3ms/step - loss: 0.8072 - auc_116:
0.5174 - val_loss: 0.8211 - val_auc_116: 0.5160

Epoch 683/700
334/334 [=====] - 1s 3ms/step - loss: 0.8119 - auc_116:
0.5159 - val_loss: 0.8246 - val_auc_116: 0.5121

Epoch 684/700
334/334 [=====] - 1s 3ms/step - loss: 0.8024 - auc_116:
0.5160 - val_loss: 0.7648 - val_auc_116: 0.5135

Epoch 685/700
334/334 [=====] - 1s 3ms/step - loss: 0.8241 - auc_116:
0.5160 - val_loss: 0.9680 - val_auc_116: 0.5114

Epoch 686/700
334/334 [=====] - 1s 3ms/step - loss: 0.7945 - auc_116:
0.5150 - val_loss: 0.7469 - val_auc_116: 0.5138

Epoch 687/700
334/334 [=====] - 1s 3ms/step - loss: 0.7810 - auc_116:
0.5174 - val_loss: 0.8141 - val_auc_116: 0.5084

Epoch 688/700
334/334 [=====] - 1s 3ms/step - loss: 0.7754 - auc_116:
0.5153 - val_loss: 0.7652 - val_auc_116: 0.5108

Epoch 689/700
334/334 [=====] - 1s 3ms/step - loss: 0.7557 - auc_116:
0.5172 - val_loss: 0.8141 - val_auc_116: 0.5137

Epoch 690/700
334/334 [=====] - 1s 3ms/step - loss: 0.7886 - auc_116:
0.5154 - val_loss: 0.7727 - val_auc_116: 0.5161

```

Epoch 691/700
334/334 [=====] - 1s 3ms/step - loss: 0.7928 - auc_116:
0.5157 - val_loss: 0.8375 - val_auc_116: 0.5093
Epoch 692/700
334/334 [=====] - 1s 3ms/step - loss: 0.7773 - auc_116:
0.5155 - val_loss: 0.8189 - val_auc_116: 0.5133
Epoch 693/700
334/334 [=====] - 1s 3ms/step - loss: 0.7806 - auc_116:
0.5130 - val_loss: 0.7435 - val_auc_116: 0.5169
Epoch 694/700
334/334 [=====] - 1s 3ms/step - loss: 0.7737 - auc_116:
0.5157 - val_loss: 0.8688 - val_auc_116: 0.5093
Epoch 695/700
334/334 [=====] - 1s 3ms/step - loss: 0.8107 - auc_116:
0.5150 - val_loss: 0.7988 - val_auc_116: 0.5122
Epoch 696/700
334/334 [=====] - 1s 3ms/step - loss: 0.7844 - auc_116:
0.5185 - val_loss: 0.9083 - val_auc_116: 0.5164
Epoch 697/700
334/334 [=====] - 1s 3ms/step - loss: 0.7704 - auc_116:
0.5178 - val_loss: 0.7355 - val_auc_116: 0.5156
Epoch 698/700
334/334 [=====] - 1s 3ms/step - loss: 0.7751 - auc_116:
0.5162 - val_loss: 0.7963 - val_auc_116: 0.5106
Epoch 699/700
334/334 [=====] - 1s 3ms/step - loss: 0.7826 - auc_116:
0.5174 - val_loss: 0.7957 - val_auc_116: 0.5181
Epoch 700/700
334/334 [=====] - 1s 3ms/step - loss: 0.7600 - auc_116:
0.5153 - val_loss: 0.8120 - val_auc_116: 0.5166

```

```
[109]: print(grid.best_params_)
```

```
{'epochs': 700, 'learning_rate': 0.001}
```

Now we will train the model using tuned params

```
[110]: model_reg = create_logreg(0.001)

history_reg = model_reg.fit(X_train, Y_train, batch_size=300, shuffle=True,
                             epochs=700, validation_data=(X_val, Y_val),
                             ↪callbacks=[MyCustomCallback()])
```

```

Epoch 1/700
3715/3715 [=====] - 10s 3ms/step - loss: 1.5847 -
auc_117: 0.5008 - val_loss: 0.8283 - val_auc_117: 0.5028
Epoch 2/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.8407 -
auc_117: 0.5035 - val_loss: 0.8299 - val_auc_117: 0.5036

```

Epoch 3/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.8122 -
auc_117: 0.5050 - val_loss: 0.7315 - val_auc_117: 0.5054

Epoch 4/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.8103 -
auc_117: 0.5059 - val_loss: 0.7608 - val_auc_117: 0.5061

Epoch 5/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.8020 -
auc_117: 0.5068 - val_loss: 0.8108 - val_auc_117: 0.5069

Epoch 6/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.8009 -
auc_117: 0.5067 - val_loss: 0.7276 - val_auc_117: 0.5097

Epoch 7/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7927 -
auc_117: 0.5069 - val_loss: 0.7529 - val_auc_117: 0.5034

Epoch 8/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7975 -
auc_117: 0.5071 - val_loss: 0.7761 - val_auc_117: 0.5045

Epoch 9/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7935 -
auc_117: 0.5080 - val_loss: 0.7766 - val_auc_117: 0.5088

Epoch 10/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7888 -
auc_117: 0.5080 - val_loss: 0.7481 - val_auc_117: 0.5093

Epoch 11/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7966 -
auc_117: 0.5081 - val_loss: 0.7964 - val_auc_117: 0.5083

Epoch 12/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7876 -
auc_117: 0.5096 - val_loss: 0.7333 - val_auc_117: 0.5027

Epoch 13/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7876 -
auc_117: 0.5093 - val_loss: 0.7566 - val_auc_117: 0.5091

Epoch 14/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7904 -
auc_117: 0.5089 - val_loss: 0.7913 - val_auc_117: 0.5130

Epoch 15/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7870 -
auc_117: 0.5088 - val_loss: 0.7679 - val_auc_117: 0.5121

Epoch 16/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7874 -
auc_117: 0.5099 - val_loss: 0.7416 - val_auc_117: 0.5122

Epoch 17/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7866 -
auc_117: 0.5101 - val_loss: 0.7511 - val_auc_117: 0.5105

Epoch 18/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7829 -
auc_117: 0.5112 - val_loss: 0.7159 - val_auc_117: 0.5117

Epoch 19/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7849 -
auc_117: 0.5109 - val_loss: 0.7497 - val_auc_117: 0.5116
Epoch 20/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7890 -
auc_117: 0.5110 - val_loss: 0.7328 - val_auc_117: 0.5112
Epoch 21/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7821 -
auc_117: 0.5113 - val_loss: 0.7627 - val_auc_117: 0.5115
Epoch 22/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7892 -
auc_117: 0.5109 - val_loss: 0.7721 - val_auc_117: 0.5100
Epoch 23/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7786 -
auc_117: 0.5122 - val_loss: 0.7444 - val_auc_117: 0.5115
Epoch 24/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7844 -
auc_117: 0.5117 - val_loss: 0.7642 - val_auc_117: 0.5132
Epoch 25/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7888 -
auc_117: 0.5111 - val_loss: 0.8690 - val_auc_117: 0.5097
Epoch 26/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7807 -
auc_117: 0.5123 - val_loss: 0.7435 - val_auc_117: 0.5141
Epoch 27/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7824 -
auc_117: 0.5123 - val_loss: 0.7657 - val_auc_117: 0.5143
Epoch 28/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7853 -
auc_117: 0.5128 - val_loss: 0.8128 - val_auc_117: 0.5084
Epoch 29/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7873 -
auc_117: 0.5125 - val_loss: 0.7518 - val_auc_117: 0.5129
Epoch 30/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7827 -
auc_117: 0.5124 - val_loss: 0.8438 - val_auc_117: 0.5112
Epoch 31/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7811 -
auc_117: 0.5130 - val_loss: 0.7361 - val_auc_117: 0.5128
Epoch 32/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7917 -
auc_117: 0.5127 - val_loss: 0.7482 - val_auc_117: 0.5134
Epoch 33/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7860 -
auc_117: 0.5130 - val_loss: 0.7564 - val_auc_117: 0.5159
Epoch 34/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7925 -
auc_117: 0.5129 - val_loss: 0.7658 - val_auc_117: 0.5123

Epoch 35/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7841 -
auc_117: 0.5131 - val_loss: 0.8980 - val_auc_117: 0.5133
Epoch 36/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7904 -
auc_117: 0.5126 - val_loss: 0.7640 - val_auc_117: 0.5155
Epoch 37/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7880 -
auc_117: 0.5132 - val_loss: 0.7759 - val_auc_117: 0.5134
Epoch 38/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7836 -
auc_117: 0.5136 - val_loss: 0.7117 - val_auc_117: 0.5141
Epoch 39/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7810 -
auc_117: 0.5142 - val_loss: 0.7592 - val_auc_117: 0.5145
Epoch 40/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7798 -
auc_117: 0.5138 - val_loss: 0.7136 - val_auc_117: 0.5165
Epoch 41/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7836 -
auc_117: 0.5143 - val_loss: 0.7966 - val_auc_117: 0.5141
Epoch 42/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7791 -
auc_117: 0.5139 - val_loss: 0.8151 - val_auc_117: 0.5162
Epoch 43/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7810 -
auc_117: 0.5139 - val_loss: 0.7302 - val_auc_117: 0.5163
Epoch 44/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7805 -
auc_117: 0.5140 - val_loss: 0.7408 - val_auc_117: 0.5135
Epoch 45/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7762 -
auc_117: 0.5145 - val_loss: 0.8447 - val_auc_117: 0.5127
Epoch 46/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7824 -
auc_117: 0.5144 - val_loss: 0.7253 - val_auc_117: 0.5136
Epoch 47/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7763 -
auc_117: 0.5147 - val_loss: 0.8093 - val_auc_117: 0.5133
Epoch 48/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7818 -
auc_117: 0.5147 - val_loss: 0.8307 - val_auc_117: 0.5133
Epoch 49/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7822 -
auc_117: 0.5146 - val_loss: 0.7263 - val_auc_117: 0.5130
Epoch 50/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7790 -
auc_117: 0.5141 - val_loss: 0.9138 - val_auc_117: 0.5140

Epoch 51/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7797 -
auc_117: 0.5144 - val_loss: 0.7256 - val_auc_117: 0.5160
Epoch 52/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7818 -
auc_117: 0.5138 - val_loss: 0.7373 - val_auc_117: 0.5139
Epoch 53/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7792 -
auc_117: 0.5141 - val_loss: 0.7219 - val_auc_117: 0.5139
Epoch 54/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7841 -
auc_117: 0.5157 - val_loss: 0.7216 - val_auc_117: 0.5129
Epoch 55/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7816 -
auc_117: 0.5138 - val_loss: 0.7854 - val_auc_117: 0.5157
Epoch 56/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7792 -
auc_117: 0.5151 - val_loss: 0.7570 - val_auc_117: 0.5169
Epoch 57/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7840 -
auc_117: 0.5146 - val_loss: 0.7576 - val_auc_117: 0.5120
Epoch 58/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7808 -
auc_117: 0.5145 - val_loss: 0.7752 - val_auc_117: 0.5128
Epoch 59/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7794 -
auc_117: 0.5150 - val_loss: 0.8034 - val_auc_117: 0.5153
Epoch 60/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7829 -
auc_117: 0.5152 - val_loss: 0.7200 - val_auc_117: 0.5166
Epoch 61/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7815 -
auc_117: 0.5150 - val_loss: 0.8431 - val_auc_117: 0.5151
Epoch 62/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7850 -
auc_117: 0.5147 - val_loss: 0.7383 - val_auc_117: 0.5157
Epoch 63/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7801 -
auc_117: 0.5146 - val_loss: 0.7955 - val_auc_117: 0.5135
Epoch 64/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7777 -
auc_117: 0.5151 - val_loss: 0.8197 - val_auc_117: 0.5163
Epoch 65/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7796 -
auc_117: 0.5148 - val_loss: 0.7935 - val_auc_117: 0.5148
Epoch 66/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7760 -
auc_117: 0.5157 - val_loss: 0.7886 - val_auc_117: 0.5188

Epoch 67/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7881 -
auc_117: 0.5152 - val_loss: 0.7622 - val_auc_117: 0.5160
Epoch 68/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7755 -
auc_117: 0.5152 - val_loss: 0.7602 - val_auc_117: 0.5138
Epoch 69/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7824 -
auc_117: 0.5153 - val_loss: 0.7586 - val_auc_117: 0.5168
Epoch 70/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7759 -
auc_117: 0.5159 - val_loss: 0.8407 - val_auc_117: 0.5162
Epoch 71/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7773 -
auc_117: 0.5152 - val_loss: 0.7995 - val_auc_117: 0.5185
Epoch 72/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7854 -
auc_117: 0.5151 - val_loss: 0.8357 - val_auc_117: 0.5177
Epoch 73/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7798 -
auc_117: 0.5157 - val_loss: 0.7908 - val_auc_117: 0.5178
Epoch 74/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7757 -
auc_117: 0.5162 - val_loss: 0.8360 - val_auc_117: 0.5161
Epoch 75/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7884 -
auc_117: 0.5151 - val_loss: 0.7814 - val_auc_117: 0.5183
Epoch 76/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7789 -
auc_117: 0.5151 - val_loss: 0.7647 - val_auc_117: 0.5169
Epoch 77/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7768 -
auc_117: 0.5160 - val_loss: 0.7282 - val_auc_117: 0.5205
Epoch 78/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7845 -
auc_117: 0.5153 - val_loss: 0.7578 - val_auc_117: 0.5172
Epoch 79/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7752 -
auc_117: 0.5157 - val_loss: 0.8660 - val_auc_117: 0.5178
Epoch 80/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7882 -
auc_117: 0.5157 - val_loss: 0.7334 - val_auc_117: 0.5170
Epoch 81/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7832 -
auc_117: 0.5152 - val_loss: 0.8606 - val_auc_117: 0.5146
Epoch 82/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7826 -
auc_117: 0.5156 - val_loss: 0.7089 - val_auc_117: 0.5154

Epoch 83/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7769 -
auc_117: 0.5155 - val_loss: 0.7563 - val_auc_117: 0.5128
Epoch 84/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7848 -
auc_117: 0.5161 - val_loss: 0.7395 - val_auc_117: 0.5184
Epoch 85/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7785 -
auc_117: 0.5164 - val_loss: 0.7594 - val_auc_117: 0.5137
Epoch 86/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7762 -
auc_117: 0.5160 - val_loss: 0.7988 - val_auc_117: 0.5166
Epoch 87/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7846 -
auc_117: 0.5150 - val_loss: 0.7636 - val_auc_117: 0.5172
Epoch 88/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7759 -
auc_117: 0.5163 - val_loss: 0.7715 - val_auc_117: 0.5155
Epoch 89/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7785 -
auc_117: 0.5162 - val_loss: 0.7052 - val_auc_117: 0.5197
Epoch 90/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7849 -
auc_117: 0.5161 - val_loss: 0.7299 - val_auc_117: 0.5176
Epoch 91/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7804 -
auc_117: 0.5163 - val_loss: 0.7664 - val_auc_117: 0.5138
Epoch 92/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7769 -
auc_117: 0.5153 - val_loss: 0.8622 - val_auc_117: 0.5142
Epoch 93/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7812 -
auc_117: 0.5154 - val_loss: 0.8217 - val_auc_117: 0.5187
Epoch 94/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7770 -
auc_117: 0.5158 - val_loss: 0.7911 - val_auc_117: 0.5173
Epoch 95/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7803 -
auc_117: 0.5164 - val_loss: 0.8273 - val_auc_117: 0.5133
Epoch 96/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7804 -
auc_117: 0.5152 - val_loss: 0.7561 - val_auc_117: 0.5188
Epoch 97/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7802 -
auc_117: 0.5164 - val_loss: 0.7386 - val_auc_117: 0.5155
Epoch 98/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7834 -
auc_117: 0.5159 - val_loss: 0.7346 - val_auc_117: 0.5177

Epoch 99/700
 3715/3715 [=====] - 9s 3ms/step - loss: 0.7812 -
 auc_117: 0.5159 - val_loss: 0.7820 - val_auc_117: 0.5192

Epoch 100/700
 3715/3715 [=====] - 9s 3ms/step - loss: 0.7828 -
 auc_117: 0.5166 - val_loss: 0.7664 - val_auc_117: 0.5156

Epoch 101/700
 3715/3715 [=====] - 9s 3ms/step - loss: 0.7784 -
 auc_117: 0.5160 - val_loss: 0.8836 - val_auc_117: 0.5154

Epoch 102/700
 3715/3715 [=====] - 9s 3ms/step - loss: 0.7806 -
 auc_117: 0.5161 - val_loss: 0.8498 - val_auc_117: 0.5163

Epoch 103/700
 3715/3715 [=====] - 9s 2ms/step - loss: 0.7785 -
 auc_117: 0.5158 - val_loss: 0.8777 - val_auc_117: 0.5165

Epoch 104/700
 3715/3715 [=====] - 10s 3ms/step - loss: 0.7870 -
 auc_117: 0.5161 - val_loss: 0.8202 - val_auc_117: 0.5186

Epoch 105/700
 3715/3715 [=====] - 9s 3ms/step - loss: 0.7826 -
 auc_117: 0.5166 - val_loss: 0.7979 - val_auc_117: 0.5131

Epoch 106/700
 3715/3715 [=====] - 9s 3ms/step - loss: 0.7818 -
 auc_117: 0.5167 - val_loss: 0.8393 - val_auc_117: 0.5178

Epoch 107/700
 3715/3715 [=====] - 9s 3ms/step - loss: 0.7794 -
 auc_117: 0.5172 - val_loss: 0.7465 - val_auc_117: 0.5165

Epoch 108/700
 3715/3715 [=====] - 10s 3ms/step - loss: 0.7809 -
 auc_117: 0.5169 - val_loss: 0.7594 - val_auc_117: 0.5190

Epoch 109/700
 3715/3715 [=====] - 9s 3ms/step - loss: 0.7828 -
 auc_117: 0.5162 - val_loss: 0.7477 - val_auc_117: 0.5147

Epoch 110/700
 3715/3715 [=====] - 9s 3ms/step - loss: 0.7768 -
 auc_117: 0.5164 - val_loss: 0.7881 - val_auc_117: 0.5184

Epoch 111/700
 3715/3715 [=====] - 9s 3ms/step - loss: 0.7741 -
 auc_117: 0.5163 - val_loss: 0.7502 - val_auc_117: 0.5157

Epoch 112/700
 3715/3715 [=====] - 9s 2ms/step - loss: 0.7784 -
 auc_117: 0.5160 - val_loss: 0.8798 - val_auc_117: 0.5166

Epoch 113/700
 3715/3715 [=====] - 9s 2ms/step - loss: 0.7812 -
 auc_117: 0.5163 - val_loss: 0.7227 - val_auc_117: 0.5195

Epoch 114/700
 3715/3715 [=====] - 9s 3ms/step - loss: 0.7768 -
 auc_117: 0.5160 - val_loss: 0.7430 - val_auc_117: 0.5201

Epoch 115/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7810 -
auc_117: 0.5163 - val_loss: 0.7960 - val_auc_117: 0.5148
Epoch 116/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7807 -
auc_117: 0.5164 - val_loss: 0.8250 - val_auc_117: 0.5163
Epoch 117/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7814 -
auc_117: 0.5165 - val_loss: 0.7398 - val_auc_117: 0.5142
Epoch 118/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7800 -
auc_117: 0.5163 - val_loss: 0.7418 - val_auc_117: 0.5210
Epoch 119/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7787 -
auc_117: 0.5171 - val_loss: 0.7969 - val_auc_117: 0.5126
Epoch 120/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7785 -
auc_117: 0.5163 - val_loss: 0.7471 - val_auc_117: 0.5218
Epoch 121/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7785 -
auc_117: 0.5165 - val_loss: 0.7772 - val_auc_117: 0.5181
Epoch 122/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7733 -
auc_117: 0.5165 - val_loss: 0.7501 - val_auc_117: 0.5119
Epoch 123/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7855 -
auc_117: 0.5165 - val_loss: 0.8850 - val_auc_117: 0.5175
Epoch 124/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7830 -
auc_117: 0.5166 - val_loss: 0.7487 - val_auc_117: 0.5205
Epoch 125/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7810 -
auc_117: 0.5167 - val_loss: 0.7420 - val_auc_117: 0.5145
Epoch 126/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7771 -
auc_117: 0.5162 - val_loss: 0.7349 - val_auc_117: 0.5186
Epoch 127/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7831 -
auc_117: 0.5166 - val_loss: 0.7651 - val_auc_117: 0.5190
Epoch 128/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7735 -
auc_117: 0.5162 - val_loss: 0.7417 - val_auc_117: 0.5171
Epoch 129/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7850 -
auc_117: 0.5171 - val_loss: 0.7232 - val_auc_117: 0.5197
Epoch 130/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7793 -
auc_117: 0.5165 - val_loss: 0.9275 - val_auc_117: 0.5143

Epoch 131/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7770 -
auc_117: 0.5166 - val_loss: 0.7371 - val_auc_117: 0.5179
Epoch 132/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7776 -
auc_117: 0.5167 - val_loss: 0.7666 - val_auc_117: 0.5186
Epoch 133/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7825 -
auc_117: 0.5167 - val_loss: 0.7448 - val_auc_117: 0.5172
Epoch 134/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7793 -
auc_117: 0.5170 - val_loss: 0.7387 - val_auc_117: 0.5179
Epoch 135/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7810 -
auc_117: 0.5166 - val_loss: 0.8100 - val_auc_117: 0.5200
Epoch 136/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7826 -
auc_117: 0.5170 - val_loss: 0.8970 - val_auc_117: 0.5169
Epoch 137/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7809 -
auc_117: 0.5169 - val_loss: 0.8237 - val_auc_117: 0.5171
Epoch 138/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7790 -
auc_117: 0.5163 - val_loss: 0.8317 - val_auc_117: 0.5176
Epoch 139/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7783 -
auc_117: 0.5166 - val_loss: 0.8045 - val_auc_117: 0.5153
Epoch 140/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7825 -
auc_117: 0.5168 - val_loss: 0.7669 - val_auc_117: 0.5196
Epoch 141/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7813 -
auc_117: 0.5167 - val_loss: 0.8057 - val_auc_117: 0.5186
Epoch 142/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7830 -
auc_117: 0.5163 - val_loss: 0.7671 - val_auc_117: 0.5153
Epoch 143/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7847 -
auc_117: 0.5160 - val_loss: 0.7422 - val_auc_117: 0.5151
Epoch 144/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7779 -
auc_117: 0.5168 - val_loss: 0.8801 - val_auc_117: 0.5106
Epoch 145/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7797 -
auc_117: 0.5171 - val_loss: 0.7564 - val_auc_117: 0.5156
Epoch 146/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7824 -
auc_117: 0.5166 - val_loss: 0.7905 - val_auc_117: 0.5195

Epoch 147/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7830 -
auc_117: 0.5162 - val_loss: 0.8284 - val_auc_117: 0.5139
Epoch 148/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7826 -
auc_117: 0.5170 - val_loss: 0.8812 - val_auc_117: 0.5159
Epoch 149/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7791 -
auc_117: 0.5171 - val_loss: 0.8195 - val_auc_117: 0.5179
Epoch 150/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7778 -
auc_117: 0.5165 - val_loss: 0.7219 - val_auc_117: 0.5214
Epoch 151/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7799 -
auc_117: 0.5170 - val_loss: 0.7265 - val_auc_117: 0.5159
Epoch 152/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7823 -
auc_117: 0.5172 - val_loss: 0.7927 - val_auc_117: 0.5187
Epoch 153/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7736 -
auc_117: 0.5169 - val_loss: 0.7436 - val_auc_117: 0.5158
Epoch 154/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7776 -
auc_117: 0.5167 - val_loss: 0.7310 - val_auc_117: 0.5199
Epoch 155/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7737 -
auc_117: 0.5168 - val_loss: 0.7168 - val_auc_117: 0.5172
Epoch 156/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7829 -
auc_117: 0.5168 - val_loss: 0.8095 - val_auc_117: 0.5168
Epoch 157/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7790 -
auc_117: 0.5161 - val_loss: 0.8489 - val_auc_117: 0.5116
Epoch 158/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7775 -
auc_117: 0.5165 - val_loss: 0.8238 - val_auc_117: 0.5164
Epoch 159/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7814 -
auc_117: 0.5172 - val_loss: 0.7412 - val_auc_117: 0.5151
Epoch 160/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7822 -
auc_117: 0.5171 - val_loss: 0.9082 - val_auc_117: 0.5157
Epoch 161/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7764 -
auc_117: 0.5173 - val_loss: 0.8311 - val_auc_117: 0.5176
Epoch 162/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7828 -
auc_117: 0.5174 - val_loss: 0.8535 - val_auc_117: 0.5182

Epoch 163/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7769 -
auc_117: 0.5176 - val_loss: 0.7831 - val_auc_117: 0.5148
Epoch 164/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7798 -
auc_117: 0.5166 - val_loss: 0.8124 - val_auc_117: 0.5142
Epoch 165/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7828 -
auc_117: 0.5165 - val_loss: 0.7820 - val_auc_117: 0.5159
Epoch 166/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7758 -
auc_117: 0.5173 - val_loss: 0.7426 - val_auc_117: 0.5163
Epoch 167/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7823 -
auc_117: 0.5160 - val_loss: 0.7107 - val_auc_117: 0.5214
Epoch 168/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7762 -
auc_117: 0.5172 - val_loss: 0.8711 - val_auc_117: 0.5177
Epoch 169/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7833 -
auc_117: 0.5169 - val_loss: 0.7216 - val_auc_117: 0.5174
Epoch 170/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7801 -
auc_117: 0.5163 - val_loss: 0.7928 - val_auc_117: 0.5165
Epoch 171/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7775 -
auc_117: 0.5173 - val_loss: 0.7462 - val_auc_117: 0.5168
Epoch 172/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7809 -
auc_117: 0.5170 - val_loss: 0.7567 - val_auc_117: 0.5137
Epoch 173/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7782 -
auc_117: 0.5169 - val_loss: 0.7913 - val_auc_117: 0.5172
Epoch 174/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7781 -
auc_117: 0.5165 - val_loss: 0.7788 - val_auc_117: 0.5175
Epoch 175/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7862 -
auc_117: 0.5167 - val_loss: 0.7221 - val_auc_117: 0.5180
Epoch 176/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7785 -
auc_117: 0.5176 - val_loss: 0.8943 - val_auc_117: 0.5167
Epoch 177/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7847 -
auc_117: 0.5167 - val_loss: 0.7145 - val_auc_117: 0.5194
Epoch 178/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7799 -
auc_117: 0.5167 - val_loss: 0.7651 - val_auc_117: 0.5185

Epoch 179/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7808 -
auc_117: 0.5170 - val_loss: 0.7654 - val_auc_117: 0.5142
Epoch 180/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7790 -
auc_117: 0.5172 - val_loss: 0.9151 - val_auc_117: 0.5162
Epoch 181/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7837 -
auc_117: 0.5164 - val_loss: 0.8096 - val_auc_117: 0.5194
Epoch 182/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7778 -
auc_117: 0.5169 - val_loss: 0.7738 - val_auc_117: 0.5177
Epoch 183/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7765 -
auc_117: 0.5171 - val_loss: 0.8166 - val_auc_117: 0.5169
Epoch 184/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7799 -
auc_117: 0.5177 - val_loss: 0.8515 - val_auc_117: 0.5153
Epoch 185/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7826 -
auc_117: 0.5174 - val_loss: 0.8101 - val_auc_117: 0.5156
Epoch 186/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7772 -
auc_117: 0.5174 - val_loss: 0.7976 - val_auc_117: 0.5192
Epoch 187/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7811 -
auc_117: 0.5175 - val_loss: 0.7517 - val_auc_117: 0.5183
Epoch 188/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7803 -
auc_117: 0.5174 - val_loss: 0.8202 - val_auc_117: 0.5172
Epoch 189/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7776 -
auc_117: 0.5174 - val_loss: 0.7325 - val_auc_117: 0.5200
Epoch 190/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7783 -
auc_117: 0.5166 - val_loss: 0.7463 - val_auc_117: 0.5192
Epoch 191/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7749 -
auc_117: 0.5170 - val_loss: 0.7222 - val_auc_117: 0.5173
Epoch 192/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7876 -
auc_117: 0.5168 - val_loss: 0.7825 - val_auc_117: 0.5169
Epoch 193/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7830 -
auc_117: 0.5173 - val_loss: 0.8688 - val_auc_117: 0.5159
Epoch 194/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7778 -
auc_117: 0.5170 - val_loss: 0.8776 - val_auc_117: 0.5197

Epoch 195/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7808 -
auc_117: 0.5167 - val_loss: 0.7713 - val_auc_117: 0.5161
Epoch 196/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7850 -
auc_117: 0.5164 - val_loss: 0.7853 - val_auc_117: 0.5050
Epoch 197/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7823 -
auc_117: 0.5170 - val_loss: 0.7785 - val_auc_117: 0.5157
Epoch 198/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7796 -
auc_117: 0.5175 - val_loss: 0.7890 - val_auc_117: 0.5180
Epoch 199/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7790 -
auc_117: 0.5166 - val_loss: 0.7497 - val_auc_117: 0.5213
Epoch 200/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7778 -
auc_117: 0.5163 - val_loss: 0.7376 - val_auc_117: 0.5178
Epoch 201/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7788 -
auc_117: 0.5175 - val_loss: 0.7436 - val_auc_117: 0.5189
Epoch 202/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7812 -
auc_117: 0.5174 - val_loss: 0.7462 - val_auc_117: 0.5159
Epoch 203/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7831 -
auc_117: 0.5169 - val_loss: 0.7470 - val_auc_117: 0.5205
Epoch 204/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7807 -
auc_117: 0.5165 - val_loss: 0.8141 - val_auc_117: 0.5138
Epoch 205/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7839 -
auc_117: 0.5175 - val_loss: 0.7400 - val_auc_117: 0.5204
Epoch 206/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7754 -
auc_117: 0.5173 - val_loss: 0.7792 - val_auc_117: 0.5200
Epoch 207/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7800 -
auc_117: 0.5174 - val_loss: 0.7235 - val_auc_117: 0.5192
Epoch 208/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7796 -
auc_117: 0.5173 - val_loss: 0.7594 - val_auc_117: 0.5152
Epoch 209/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7786 -
auc_117: 0.5171 - val_loss: 0.8490 - val_auc_117: 0.5184
Epoch 210/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7746 -
auc_117: 0.5169 - val_loss: 0.8313 - val_auc_117: 0.5169

Epoch 211/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7780 -
auc_117: 0.5173 - val_loss: 0.8076 - val_auc_117: 0.5180
Epoch 212/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7824 -
auc_117: 0.5175 - val_loss: 0.7398 - val_auc_117: 0.5192
Epoch 213/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7784 -
auc_117: 0.5173 - val_loss: 0.7627 - val_auc_117: 0.5110
Epoch 214/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7828 -
auc_117: 0.5167 - val_loss: 0.8448 - val_auc_117: 0.5151
Epoch 215/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7820 -
auc_117: 0.5173 - val_loss: 0.7587 - val_auc_117: 0.5207
Epoch 216/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7797 -
auc_117: 0.5170 - val_loss: 0.7457 - val_auc_117: 0.5207
Epoch 217/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7782 -
auc_117: 0.5177 - val_loss: 0.7690 - val_auc_117: 0.5187
Epoch 218/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7876 -
auc_117: 0.5171 - val_loss: 0.7788 - val_auc_117: 0.5122
Epoch 219/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7845 -
auc_117: 0.5161 - val_loss: 0.7921 - val_auc_117: 0.5185
Epoch 220/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7820 -
auc_117: 0.5164 - val_loss: 0.7389 - val_auc_117: 0.5204
Epoch 221/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7797 -
auc_117: 0.5177 - val_loss: 0.7897 - val_auc_117: 0.5150
Epoch 222/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7793 -
auc_117: 0.5175 - val_loss: 0.7851 - val_auc_117: 0.5177
Epoch 223/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7808 -
auc_117: 0.5174 - val_loss: 0.7695 - val_auc_117: 0.5148
Epoch 224/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7815 -
auc_117: 0.5168 - val_loss: 0.7510 - val_auc_117: 0.5246
Epoch 225/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7816 -
auc_117: 0.5173 - val_loss: 0.7570 - val_auc_117: 0.5201
Epoch 226/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7799 -
auc_117: 0.5169 - val_loss: 0.8722 - val_auc_117: 0.5193

Epoch 227/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7800 -
auc_117: 0.5170 - val_loss: 0.7920 - val_auc_117: 0.5197
Epoch 228/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7794 -
auc_117: 0.5175 - val_loss: 0.8121 - val_auc_117: 0.5207
Epoch 229/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7839 -
auc_117: 0.5167 - val_loss: 0.8306 - val_auc_117: 0.5174
Epoch 230/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7792 -
auc_117: 0.5169 - val_loss: 0.7766 - val_auc_117: 0.5184
Epoch 231/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7809 -
auc_117: 0.5172 - val_loss: 0.7867 - val_auc_117: 0.5206
Epoch 232/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7761 -
auc_117: 0.5175 - val_loss: 0.7496 - val_auc_117: 0.5204
Epoch 233/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7831 -
auc_117: 0.5181 - val_loss: 0.7669 - val_auc_117: 0.5174
Epoch 234/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7839 -
auc_117: 0.5176 - val_loss: 0.7912 - val_auc_117: 0.5187
Epoch 235/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7723 -
auc_117: 0.5179 - val_loss: 0.7569 - val_auc_117: 0.5182
Epoch 236/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7831 -
auc_117: 0.5170 - val_loss: 0.7599 - val_auc_117: 0.5168
Epoch 237/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7727 -
auc_117: 0.5175 - val_loss: 0.7847 - val_auc_117: 0.5180
Epoch 238/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7818 -
auc_117: 0.5180 - val_loss: 0.7819 - val_auc_117: 0.5178
Epoch 239/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7824 -
auc_117: 0.5180 - val_loss: 0.7983 - val_auc_117: 0.5174
Epoch 240/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7756 -
auc_117: 0.5171 - val_loss: 0.9038 - val_auc_117: 0.5162
Epoch 241/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7812 -
auc_117: 0.5171 - val_loss: 0.7298 - val_auc_117: 0.5189
Epoch 242/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7821 -
auc_117: 0.5175 - val_loss: 0.7142 - val_auc_117: 0.5196

Epoch 243/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7792 -
auc_117: 0.5169 - val_loss: 0.7180 - val_auc_117: 0.5244
Epoch 244/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7795 -
auc_117: 0.5171 - val_loss: 0.7387 - val_auc_117: 0.5206
Epoch 245/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7849 -
auc_117: 0.5174 - val_loss: 0.7354 - val_auc_117: 0.5201
Epoch 246/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7803 -
auc_117: 0.5175 - val_loss: 0.7102 - val_auc_117: 0.5249
Epoch 247/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7812 -
auc_117: 0.5175 - val_loss: 0.7392 - val_auc_117: 0.5164
Epoch 248/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7776 -
auc_117: 0.5165 - val_loss: 0.7337 - val_auc_117: 0.5185
Epoch 249/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7804 -
auc_117: 0.5172 - val_loss: 0.9302 - val_auc_117: 0.5165
Epoch 250/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7818 -
auc_117: 0.5171 - val_loss: 0.8255 - val_auc_117: 0.5181
Epoch 251/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7804 -
auc_117: 0.5176 - val_loss: 0.7895 - val_auc_117: 0.5192
Epoch 252/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7864 -
auc_117: 0.5175 - val_loss: 0.7577 - val_auc_117: 0.5203
Epoch 253/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7768 -
auc_117: 0.5179 - val_loss: 0.8214 - val_auc_117: 0.5199
Epoch 254/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7801 -
auc_117: 0.5170 - val_loss: 0.7466 - val_auc_117: 0.5202
Epoch 255/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7765 -
auc_117: 0.5177 - val_loss: 0.7505 - val_auc_117: 0.5183
Epoch 256/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7796 -
auc_117: 0.5165 - val_loss: 0.7278 - val_auc_117: 0.5227
Epoch 257/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7799 -
auc_117: 0.5177 - val_loss: 0.7192 - val_auc_117: 0.5220
Epoch 258/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7824 -
auc_117: 0.5179 - val_loss: 0.7663 - val_auc_117: 0.5110

Epoch 259/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7796 -
auc_117: 0.5167 - val_loss: 0.7622 - val_auc_117: 0.5208
Epoch 260/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7780 -
auc_117: 0.5172 - val_loss: 0.8145 - val_auc_117: 0.5246
Epoch 261/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7868 -
auc_117: 0.5170 - val_loss: 0.7456 - val_auc_117: 0.5219
Epoch 262/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7806 -
auc_117: 0.5172 - val_loss: 0.7448 - val_auc_117: 0.5165
Epoch 263/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7813 -
auc_117: 0.5184 - val_loss: 0.8045 - val_auc_117: 0.5186
Epoch 264/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7803 -
auc_117: 0.5173 - val_loss: 0.7649 - val_auc_117: 0.5159
Epoch 265/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7853 -
auc_117: 0.5172 - val_loss: 0.7222 - val_auc_117: 0.5226
Epoch 266/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7777 -
auc_117: 0.5163 - val_loss: 0.8743 - val_auc_117: 0.5194
Epoch 267/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7789 -
auc_117: 0.5179 - val_loss: 0.7780 - val_auc_117: 0.5205
Epoch 268/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7797 -
auc_117: 0.5173 - val_loss: 0.8474 - val_auc_117: 0.5165
Epoch 269/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7814 -
auc_117: 0.5173 - val_loss: 0.8115 - val_auc_117: 0.5184
Epoch 270/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7821 -
auc_117: 0.5174 - val_loss: 0.7086 - val_auc_117: 0.5156
Epoch 271/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7787 -
auc_117: 0.5174 - val_loss: 0.7378 - val_auc_117: 0.5182
Epoch 272/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7818 -
auc_117: 0.5180 - val_loss: 0.7681 - val_auc_117: 0.5191
Epoch 273/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7811 -
auc_117: 0.5182 - val_loss: 0.8005 - val_auc_117: 0.5193
Epoch 274/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7769 -
auc_117: 0.5182 - val_loss: 0.7411 - val_auc_117: 0.5225

Epoch 275/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7822 -
auc_117: 0.5172 - val_loss: 0.7800 - val_auc_117: 0.5181
Epoch 276/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7803 -
auc_117: 0.5180 - val_loss: 0.7986 - val_auc_117: 0.5159
Epoch 277/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7788 -
auc_117: 0.5173 - val_loss: 1.0226 - val_auc_117: 0.5174
Epoch 278/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7790 -
auc_117: 0.5173 - val_loss: 0.7573 - val_auc_117: 0.5157
Epoch 279/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7856 -
auc_117: 0.5178 - val_loss: 0.7720 - val_auc_117: 0.5211
Epoch 280/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7781 -
auc_117: 0.5177 - val_loss: 0.7764 - val_auc_117: 0.5162
Epoch 281/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7782 -
auc_117: 0.5167 - val_loss: 0.8286 - val_auc_117: 0.5179
Epoch 282/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7804 -
auc_117: 0.5179 - val_loss: 0.7745 - val_auc_117: 0.5106
Epoch 283/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7806 -
auc_117: 0.5163 - val_loss: 0.7370 - val_auc_117: 0.5182
Epoch 284/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7785 -
auc_117: 0.5175 - val_loss: 0.7710 - val_auc_117: 0.5138
Epoch 285/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7808 -
auc_117: 0.5180 - val_loss: 0.8910 - val_auc_117: 0.5190
Epoch 286/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7859 -
auc_117: 0.5172 - val_loss: 0.7254 - val_auc_117: 0.5163
Epoch 287/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7771 -
auc_117: 0.5176 - val_loss: 0.9021 - val_auc_117: 0.5189
Epoch 288/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7791 -
auc_117: 0.5179 - val_loss: 0.7887 - val_auc_117: 0.5175
Epoch 289/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7756 -
auc_117: 0.5170 - val_loss: 0.7398 - val_auc_117: 0.5161
Epoch 290/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7819 -
auc_117: 0.5178 - val_loss: 0.7412 - val_auc_117: 0.5193

Epoch 291/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7774 -
auc_117: 0.5179 - val_loss: 0.7691 - val_auc_117: 0.5171
Epoch 292/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7770 -
auc_117: 0.5175 - val_loss: 0.7779 - val_auc_117: 0.5194
Epoch 293/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7822 -
auc_117: 0.5181 - val_loss: 0.7228 - val_auc_117: 0.5203
Epoch 294/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7808 -
auc_117: 0.5178 - val_loss: 0.8264 - val_auc_117: 0.5134
Epoch 295/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7766 -
auc_117: 0.5177 - val_loss: 0.7310 - val_auc_117: 0.5186
Epoch 296/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7783 -
auc_117: 0.5168 - val_loss: 0.7913 - val_auc_117: 0.5254
Epoch 297/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7834 -
auc_117: 0.5180 - val_loss: 0.7498 - val_auc_117: 0.5166
Epoch 298/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7798 -
auc_117: 0.5169 - val_loss: 0.8539 - val_auc_117: 0.5187
Epoch 299/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7780 -
auc_117: 0.5179 - val_loss: 0.9299 - val_auc_117: 0.5172
Epoch 300/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7801 -
auc_117: 0.5187 - val_loss: 0.8909 - val_auc_117: 0.5195
Epoch 301/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7831 -
auc_117: 0.5172 - val_loss: 0.7537 - val_auc_117: 0.5183
Epoch 302/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7781 -
auc_117: 0.5173 - val_loss: 0.8258 - val_auc_117: 0.5195
Epoch 303/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7736 -
auc_117: 0.5178 - val_loss: 0.7562 - val_auc_117: 0.5198
Epoch 304/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7790 -
auc_117: 0.5173 - val_loss: 0.8942 - val_auc_117: 0.5173
Epoch 305/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7791 -
auc_117: 0.5177 - val_loss: 0.7951 - val_auc_117: 0.5185
Epoch 306/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7816 -
auc_117: 0.5175 - val_loss: 0.8068 - val_auc_117: 0.5215

Epoch 307/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7827 -
auc_117: 0.5172 - val_loss: 0.8804 - val_auc_117: 0.5181
Epoch 308/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7782 -
auc_117: 0.5175 - val_loss: 0.7638 - val_auc_117: 0.5238
Epoch 309/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7822 -
auc_117: 0.5172 - val_loss: 0.7576 - val_auc_117: 0.5196
Epoch 310/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7800 -
auc_117: 0.5170 - val_loss: 0.7420 - val_auc_117: 0.5229
Epoch 311/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7808 -
auc_117: 0.5174 - val_loss: 0.8629 - val_auc_117: 0.5188
Epoch 312/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7837 -
auc_117: 0.5176 - val_loss: 0.7644 - val_auc_117: 0.5170
Epoch 313/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7863 -
auc_117: 0.5177 - val_loss: 0.7632 - val_auc_117: 0.5191
Epoch 314/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7790 -
auc_117: 0.5183 - val_loss: 0.7548 - val_auc_117: 0.5183
Epoch 315/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7782 -
auc_117: 0.5167 - val_loss: 0.7925 - val_auc_117: 0.5152
Epoch 316/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7798 -
auc_117: 0.5178 - val_loss: 0.9053 - val_auc_117: 0.5151
Epoch 317/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7787 -
auc_117: 0.5182 - val_loss: 0.7472 - val_auc_117: 0.5187
Epoch 318/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7780 -
auc_117: 0.5176 - val_loss: 0.7603 - val_auc_117: 0.5196
Epoch 319/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7870 -
auc_117: 0.5170 - val_loss: 0.8307 - val_auc_117: 0.5192
Epoch 320/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7747 -
auc_117: 0.5179 - val_loss: 0.8222 - val_auc_117: 0.5173
Epoch 321/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7796 -
auc_117: 0.5181 - val_loss: 0.8873 - val_auc_117: 0.5179
Epoch 322/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7788 -
auc_117: 0.5177 - val_loss: 0.7273 - val_auc_117: 0.5085

Epoch 323/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7756 -
auc_117: 0.5181 - val_loss: 0.7578 - val_auc_117: 0.5209

Epoch 324/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7768 -
auc_117: 0.5187 - val_loss: 0.7407 - val_auc_117: 0.5185

Epoch 325/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7780 -
auc_117: 0.5176 - val_loss: 0.7148 - val_auc_117: 0.5174

Epoch 326/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7771 -
auc_117: 0.5183 - val_loss: 0.7677 - val_auc_117: 0.5218

Epoch 327/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7794 -
auc_117: 0.5167 - val_loss: 0.7656 - val_auc_117: 0.5161

Epoch 328/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7812 -
auc_117: 0.5180 - val_loss: 0.8082 - val_auc_117: 0.5190

Epoch 329/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7775 -
auc_117: 0.5177 - val_loss: 0.7183 - val_auc_117: 0.5198

Epoch 330/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7830 -
auc_117: 0.5180 - val_loss: 0.7800 - val_auc_117: 0.5184

Epoch 331/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7793 -
auc_117: 0.5173 - val_loss: 0.7366 - val_auc_117: 0.5173

Epoch 332/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7795 -
auc_117: 0.5176 - val_loss: 0.8038 - val_auc_117: 0.5173

Epoch 333/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7818 -
auc_117: 0.5173 - val_loss: 0.8084 - val_auc_117: 0.5199

Epoch 334/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7789 -
auc_117: 0.5170 - val_loss: 0.7702 - val_auc_117: 0.5200

Epoch 335/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7776 -
auc_117: 0.5176 - val_loss: 0.7285 - val_auc_117: 0.5152

Epoch 336/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7764 -
auc_117: 0.5171 - val_loss: 0.7987 - val_auc_117: 0.5253

Epoch 337/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7796 -
auc_117: 0.5173 - val_loss: 0.7541 - val_auc_117: 0.5158

Epoch 338/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7872 -
auc_117: 0.5171 - val_loss: 0.8131 - val_auc_117: 0.5210

Epoch 339/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7744 -
auc_117: 0.5182 - val_loss: 0.7415 - val_auc_117: 0.5184
Epoch 340/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7780 -
auc_117: 0.5176 - val_loss: 0.7379 - val_auc_117: 0.5210
Epoch 341/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7830 -
auc_117: 0.5178 - val_loss: 0.7636 - val_auc_117: 0.5204
Epoch 342/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7850 -
auc_117: 0.5179 - val_loss: 0.8017 - val_auc_117: 0.5206
Epoch 343/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7828 -
auc_117: 0.5171 - val_loss: 0.7204 - val_auc_117: 0.5227
Epoch 344/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7779 -
auc_117: 0.5170 - val_loss: 0.7744 - val_auc_117: 0.5189
Epoch 345/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7830 -
auc_117: 0.5175 - val_loss: 0.8174 - val_auc_117: 0.5178
Epoch 346/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7777 -
auc_117: 0.5184 - val_loss: 0.7979 - val_auc_117: 0.5174
Epoch 347/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7869 -
auc_117: 0.5172 - val_loss: 0.7729 - val_auc_117: 0.5195
Epoch 348/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7832 -
auc_117: 0.5171 - val_loss: 0.7400 - val_auc_117: 0.5178
Epoch 349/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7757 -
auc_117: 0.5176 - val_loss: 0.8119 - val_auc_117: 0.5190
Epoch 350/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7813 -
auc_117: 0.5174 - val_loss: 0.7695 - val_auc_117: 0.5189
Epoch 351/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7775 -
auc_117: 0.5177 - val_loss: 0.8211 - val_auc_117: 0.5225
Epoch 352/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7844 -
auc_117: 0.5174 - val_loss: 0.7874 - val_auc_117: 0.5198
Epoch 353/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7803 -
auc_117: 0.5176 - val_loss: 0.7447 - val_auc_117: 0.5180
Epoch 354/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7834 -
auc_117: 0.5179 - val_loss: 0.7305 - val_auc_117: 0.5209

Epoch 355/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7847 -
auc_117: 0.5177 - val_loss: 0.8605 - val_auc_117: 0.5180

Epoch 356/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7777 -
auc_117: 0.5177 - val_loss: 0.7125 - val_auc_117: 0.5198

Epoch 357/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7772 -
auc_117: 0.5179 - val_loss: 0.7618 - val_auc_117: 0.5173

Epoch 358/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7790 -
auc_117: 0.5177 - val_loss: 0.7782 - val_auc_117: 0.5196

Epoch 359/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7788 -
auc_117: 0.5177 - val_loss: 0.7438 - val_auc_117: 0.5216

Epoch 360/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7755 -
auc_117: 0.5179 - val_loss: 0.7990 - val_auc_117: 0.5218

Epoch 361/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7788 -
auc_117: 0.5177 - val_loss: 0.7408 - val_auc_117: 0.5179

Epoch 362/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7803 -
auc_117: 0.5179 - val_loss: 0.7610 - val_auc_117: 0.5179

Epoch 363/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7751 -
auc_117: 0.5174 - val_loss: 0.7344 - val_auc_117: 0.5188

Epoch 364/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7812 -
auc_117: 0.5170 - val_loss: 0.7724 - val_auc_117: 0.5167

Epoch 365/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7752 -
auc_117: 0.5181 - val_loss: 0.7301 - val_auc_117: 0.5253

Epoch 366/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7839 -
auc_117: 0.5182 - val_loss: 0.9278 - val_auc_117: 0.5195

Epoch 367/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7769 -
auc_117: 0.5184 - val_loss: 0.8267 - val_auc_117: 0.5149

Epoch 368/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7845 -
auc_117: 0.5175 - val_loss: 0.8591 - val_auc_117: 0.5181

Epoch 369/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7837 -
auc_117: 0.5177 - val_loss: 0.8303 - val_auc_117: 0.5191

Epoch 370/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7826 -
auc_117: 0.5183 - val_loss: 0.7590 - val_auc_117: 0.5170

Epoch 371/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7761 -
auc_117: 0.5176 - val_loss: 0.7171 - val_auc_117: 0.5143
Epoch 372/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7815 -
auc_117: 0.5181 - val_loss: 0.7491 - val_auc_117: 0.5206
Epoch 373/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7765 -
auc_117: 0.5176 - val_loss: 0.7794 - val_auc_117: 0.5161
Epoch 374/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7739 -
auc_117: 0.5175 - val_loss: 0.7609 - val_auc_117: 0.5165
Epoch 375/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7804 -
auc_117: 0.5177 - val_loss: 0.7612 - val_auc_117: 0.5199
Epoch 376/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7844 -
auc_117: 0.5186 - val_loss: 0.7849 - val_auc_117: 0.5172
Epoch 377/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7784 -
auc_117: 0.5170 - val_loss: 0.8033 - val_auc_117: 0.5204
Epoch 378/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7834 -
auc_117: 0.5177 - val_loss: 0.7748 - val_auc_117: 0.5192
Epoch 379/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7813 -
auc_117: 0.5175 - val_loss: 0.9949 - val_auc_117: 0.5185
Epoch 380/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7853 -
auc_117: 0.5171 - val_loss: 0.7472 - val_auc_117: 0.5204
Epoch 381/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7819 -
auc_117: 0.5173 - val_loss: 0.7787 - val_auc_117: 0.5153
Epoch 382/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7837 -
auc_117: 0.5171 - val_loss: 0.7301 - val_auc_117: 0.5181
Epoch 383/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7795 -
auc_117: 0.5176 - val_loss: 0.7845 - val_auc_117: 0.5195
Epoch 384/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7787 -
auc_117: 0.5174 - val_loss: 0.7733 - val_auc_117: 0.5207
Epoch 385/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7843 -
auc_117: 0.5171 - val_loss: 0.7814 - val_auc_117: 0.5160
Epoch 386/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7778 -
auc_117: 0.5178 - val_loss: 0.7443 - val_auc_117: 0.5158

Epoch 387/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7799 -
auc_117: 0.5181 - val_loss: 0.9079 - val_auc_117: 0.5170
Epoch 388/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7820 -
auc_117: 0.5177 - val_loss: 0.8401 - val_auc_117: 0.5234
Epoch 389/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7815 -
auc_117: 0.5176 - val_loss: 0.7945 - val_auc_117: 0.5203
Epoch 390/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7806 -
auc_117: 0.5172 - val_loss: 0.8751 - val_auc_117: 0.5163
Epoch 391/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7752 -
auc_117: 0.5177 - val_loss: 0.7404 - val_auc_117: 0.5172
Epoch 392/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7800 -
auc_117: 0.5173 - val_loss: 0.7203 - val_auc_117: 0.5195
Epoch 393/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7849 -
auc_117: 0.5174 - val_loss: 0.7919 - val_auc_117: 0.5196
Epoch 394/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7773 -
auc_117: 0.5185 - val_loss: 0.7420 - val_auc_117: 0.5183
Epoch 395/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7798 -
auc_117: 0.5178 - val_loss: 0.7560 - val_auc_117: 0.5171
Epoch 396/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7774 -
auc_117: 0.5179 - val_loss: 0.8281 - val_auc_117: 0.5238
Epoch 397/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7806 -
auc_117: 0.5179 - val_loss: 0.7275 - val_auc_117: 0.5217
Epoch 398/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7802 -
auc_117: 0.5182 - val_loss: 0.7279 - val_auc_117: 0.5137
Epoch 399/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7777 -
auc_117: 0.5174 - val_loss: 0.7126 - val_auc_117: 0.5162
Epoch 400/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7839 -
auc_117: 0.5177 - val_loss: 0.7671 - val_auc_117: 0.5153
Epoch 401/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7724 -
auc_117: 0.5183 - val_loss: 0.8226 - val_auc_117: 0.5162
Epoch 402/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7753 -
auc_117: 0.5172 - val_loss: 0.7314 - val_auc_117: 0.5210

Epoch 403/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7793 -
auc_117: 0.5176 - val_loss: 0.7303 - val_auc_117: 0.5165
Epoch 404/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7757 -
auc_117: 0.5174 - val_loss: 0.7576 - val_auc_117: 0.5173
Epoch 405/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7787 -
auc_117: 0.5174 - val_loss: 0.7234 - val_auc_117: 0.5196
Epoch 406/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7793 -
auc_117: 0.5179 - val_loss: 0.8299 - val_auc_117: 0.5187
Epoch 407/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7759 -
auc_117: 0.5184 - val_loss: 0.8228 - val_auc_117: 0.5178
Epoch 408/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7830 -
auc_117: 0.5169 - val_loss: 1.0035 - val_auc_117: 0.5182
Epoch 409/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7768 -
auc_117: 0.5177 - val_loss: 0.7355 - val_auc_117: 0.5238
Epoch 410/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7820 -
auc_117: 0.5181 - val_loss: 0.7495 - val_auc_117: 0.5169
Epoch 411/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7834 -
auc_117: 0.5172 - val_loss: 0.7427 - val_auc_117: 0.5198
Epoch 412/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7767 -
auc_117: 0.5176 - val_loss: 0.7307 - val_auc_117: 0.5169
Epoch 413/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7793 -
auc_117: 0.5177 - val_loss: 0.7279 - val_auc_117: 0.5217
Epoch 414/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7829 -
auc_117: 0.5178 - val_loss: 0.8796 - val_auc_117: 0.5199
Epoch 415/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7804 -
auc_117: 0.5183 - val_loss: 0.8221 - val_auc_117: 0.5195
Epoch 416/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7830 -
auc_117: 0.5180 - val_loss: 0.8417 - val_auc_117: 0.5173
Epoch 417/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7808 -
auc_117: 0.5172 - val_loss: 0.8398 - val_auc_117: 0.5192
Epoch 418/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7799 -
auc_117: 0.5178 - val_loss: 0.7269 - val_auc_117: 0.5119

Epoch 419/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7820 -
auc_117: 0.5173 - val_loss: 0.7474 - val_auc_117: 0.5186
Epoch 420/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7857 -
auc_117: 0.5177 - val_loss: 0.7669 - val_auc_117: 0.5214
Epoch 421/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7816 -
auc_117: 0.5179 - val_loss: 0.7688 - val_auc_117: 0.5194
Epoch 422/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7820 -
auc_117: 0.5181 - val_loss: 0.7721 - val_auc_117: 0.5219
Epoch 423/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7779 -
auc_117: 0.5170 - val_loss: 0.7152 - val_auc_117: 0.5169
Epoch 424/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7768 -
auc_117: 0.5176 - val_loss: 0.7330 - val_auc_117: 0.5186
Epoch 425/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7785 -
auc_117: 0.5175 - val_loss: 0.7687 - val_auc_117: 0.5216
Epoch 426/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7802 -
auc_117: 0.5177 - val_loss: 0.8030 - val_auc_117: 0.5197
Epoch 427/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7741 -
auc_117: 0.5177 - val_loss: 0.8178 - val_auc_117: 0.5176
Epoch 428/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7819 -
auc_117: 0.5180 - val_loss: 0.7538 - val_auc_117: 0.5204
Epoch 429/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7786 -
auc_117: 0.5176 - val_loss: 0.7233 - val_auc_117: 0.5194
Epoch 430/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7788 -
auc_117: 0.5176 - val_loss: 0.8730 - val_auc_117: 0.5184
Epoch 431/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7826 -
auc_117: 0.5177 - val_loss: 0.7378 - val_auc_117: 0.5199
Epoch 432/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7814 -
auc_117: 0.5171 - val_loss: 0.7833 - val_auc_117: 0.5214
Epoch 433/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7728 -
auc_117: 0.5184 - val_loss: 0.7416 - val_auc_117: 0.5194
Epoch 434/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7834 -
auc_117: 0.5170 - val_loss: 0.7466 - val_auc_117: 0.5168

Epoch 435/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7798 -
auc_117: 0.5175 - val_loss: 0.7684 - val_auc_117: 0.5216
Epoch 436/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7846 -
auc_117: 0.5178 - val_loss: 0.7243 - val_auc_117: 0.5237
Epoch 437/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7807 -
auc_117: 0.5174 - val_loss: 0.7189 - val_auc_117: 0.5228
Epoch 438/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7773 -
auc_117: 0.5181 - val_loss: 0.7494 - val_auc_117: 0.5196
Epoch 439/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7798 -
auc_117: 0.5171 - val_loss: 0.7548 - val_auc_117: 0.5174
Epoch 440/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7797 -
auc_117: 0.5176 - val_loss: 0.7132 - val_auc_117: 0.5206
Epoch 441/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7811 -
auc_117: 0.5178 - val_loss: 0.7242 - val_auc_117: 0.5177
Epoch 442/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7739 -
auc_117: 0.5179 - val_loss: 0.7940 - val_auc_117: 0.5181
Epoch 443/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7803 -
auc_117: 0.5183 - val_loss: 0.7517 - val_auc_117: 0.5207
Epoch 444/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7757 -
auc_117: 0.5186 - val_loss: 0.7825 - val_auc_117: 0.5158
Epoch 445/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7793 -
auc_117: 0.5180 - val_loss: 0.7110 - val_auc_117: 0.5171
Epoch 446/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7817 -
auc_117: 0.5176 - val_loss: 0.7592 - val_auc_117: 0.5174
Epoch 447/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7776 -
auc_117: 0.5179 - val_loss: 0.8066 - val_auc_117: 0.5207
Epoch 448/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7811 -
auc_117: 0.5178 - val_loss: 0.9167 - val_auc_117: 0.5170
Epoch 449/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7806 -
auc_117: 0.5174 - val_loss: 0.8022 - val_auc_117: 0.5187
Epoch 450/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7744 -
auc_117: 0.5183 - val_loss: 0.7808 - val_auc_117: 0.5174

Epoch 451/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7801 -
auc_117: 0.5171 - val_loss: 0.7517 - val_auc_117: 0.5200
Epoch 452/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7808 -
auc_117: 0.5179 - val_loss: 0.8648 - val_auc_117: 0.5171
Epoch 453/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7768 -
auc_117: 0.5178 - val_loss: 0.8424 - val_auc_117: 0.5189
Epoch 454/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7785 -
auc_117: 0.5177 - val_loss: 0.7287 - val_auc_117: 0.5162
Epoch 455/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7805 -
auc_117: 0.5175 - val_loss: 0.7306 - val_auc_117: 0.5194
Epoch 456/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7788 -
auc_117: 0.5178 - val_loss: 0.8068 - val_auc_117: 0.5210
Epoch 457/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7851 -
auc_117: 0.5176 - val_loss: 0.7802 - val_auc_117: 0.5198
Epoch 458/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7785 -
auc_117: 0.5175 - val_loss: 0.9028 - val_auc_117: 0.5185
Epoch 459/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7821 -
auc_117: 0.5175 - val_loss: 0.8032 - val_auc_117: 0.5188
Epoch 460/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7803 -
auc_117: 0.5178 - val_loss: 0.7413 - val_auc_117: 0.5220
Epoch 461/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7826 -
auc_117: 0.5174 - val_loss: 0.7340 - val_auc_117: 0.5170
Epoch 462/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7810 -
auc_117: 0.5178 - val_loss: 0.7214 - val_auc_117: 0.5177
Epoch 463/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7821 -
auc_117: 0.5181 - val_loss: 0.8947 - val_auc_117: 0.5171
Epoch 464/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7817 -
auc_117: 0.5178 - val_loss: 0.8150 - val_auc_117: 0.5194
Epoch 465/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7871 -
auc_117: 0.5178 - val_loss: 0.8514 - val_auc_117: 0.5188
Epoch 466/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7789 -
auc_117: 0.5174 - val_loss: 0.7920 - val_auc_117: 0.5187

Epoch 467/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7802 -
auc_117: 0.5185 - val_loss: 0.7297 - val_auc_117: 0.5156
Epoch 468/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7780 -
auc_117: 0.5178 - val_loss: 0.9628 - val_auc_117: 0.5173
Epoch 469/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7768 -
auc_117: 0.5169 - val_loss: 0.8645 - val_auc_117: 0.5158
Epoch 470/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7810 -
auc_117: 0.5173 - val_loss: 0.7863 - val_auc_117: 0.5171
Epoch 471/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7790 -
auc_117: 0.5181 - val_loss: 0.7285 - val_auc_117: 0.5231
Epoch 472/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7768 -
auc_117: 0.5185 - val_loss: 0.7823 - val_auc_117: 0.5179
Epoch 473/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7857 -
auc_117: 0.5177 - val_loss: 0.7274 - val_auc_117: 0.5209
Epoch 474/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7863 -
auc_117: 0.5169 - val_loss: 0.7375 - val_auc_117: 0.5175
Epoch 475/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7795 -
auc_117: 0.5181 - val_loss: 0.8055 - val_auc_117: 0.5184
Epoch 476/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7785 -
auc_117: 0.5179 - val_loss: 0.7390 - val_auc_117: 0.5180
Epoch 477/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7828 -
auc_117: 0.5184 - val_loss: 0.7260 - val_auc_117: 0.5218
Epoch 478/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7784 -
auc_117: 0.5178 - val_loss: 0.8433 - val_auc_117: 0.5171
Epoch 479/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7809 -
auc_117: 0.5173 - val_loss: 0.7039 - val_auc_117: 0.5189
Epoch 480/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7816 -
auc_117: 0.5167 - val_loss: 0.7907 - val_auc_117: 0.5186
Epoch 481/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7801 -
auc_117: 0.5179 - val_loss: 0.7036 - val_auc_117: 0.5248
Epoch 482/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7815 -
auc_117: 0.5176 - val_loss: 0.7711 - val_auc_117: 0.5194

Epoch 483/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7798 -
auc_117: 0.5182 - val_loss: 0.7252 - val_auc_117: 0.5206
Epoch 484/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7762 -
auc_117: 0.5184 - val_loss: 0.7785 - val_auc_117: 0.5194
Epoch 485/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7770 -
auc_117: 0.5181 - val_loss: 0.7368 - val_auc_117: 0.5191
Epoch 486/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7799 -
auc_117: 0.5179 - val_loss: 0.7723 - val_auc_117: 0.5209
Epoch 487/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7833 -
auc_117: 0.5179 - val_loss: 0.7402 - val_auc_117: 0.5202
Epoch 488/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7796 -
auc_117: 0.5178 - val_loss: 0.7256 - val_auc_117: 0.5197
Epoch 489/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7761 -
auc_117: 0.5178 - val_loss: 0.8174 - val_auc_117: 0.5207
Epoch 490/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7854 -
auc_117: 0.5178 - val_loss: 0.8174 - val_auc_117: 0.5185
Epoch 491/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7808 -
auc_117: 0.5182 - val_loss: 0.7253 - val_auc_117: 0.5191
Epoch 492/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7767 -
auc_117: 0.5182 - val_loss: 0.7683 - val_auc_117: 0.5232
Epoch 493/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7807 -
auc_117: 0.5175 - val_loss: 0.7299 - val_auc_117: 0.5135
Epoch 494/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7746 -
auc_117: 0.5180 - val_loss: 0.7499 - val_auc_117: 0.5174
Epoch 495/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7828 -
auc_117: 0.5172 - val_loss: 0.7193 - val_auc_117: 0.5199
Epoch 496/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7810 -
auc_117: 0.5177 - val_loss: 0.7881 - val_auc_117: 0.5190
Epoch 497/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7780 -
auc_117: 0.5179 - val_loss: 0.7410 - val_auc_117: 0.5178
Epoch 498/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7816 -
auc_117: 0.5180 - val_loss: 0.7804 - val_auc_117: 0.5208

Epoch 499/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7760 -
auc_117: 0.5172 - val_loss: 0.7406 - val_auc_117: 0.5185

Epoch 500/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7829 -
auc_117: 0.5181 - val_loss: 0.7098 - val_auc_117: 0.5215

Epoch 501/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7799 -
auc_117: 0.5183 - val_loss: 0.7433 - val_auc_117: 0.5184

Epoch 502/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7800 -
auc_117: 0.5182 - val_loss: 0.8230 - val_auc_117: 0.5218

Epoch 503/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7810 -
auc_117: 0.5172 - val_loss: 0.7322 - val_auc_117: 0.5185

Epoch 504/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7750 -
auc_117: 0.5170 - val_loss: 0.7100 - val_auc_117: 0.5190

Epoch 505/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7759 -
auc_117: 0.5176 - val_loss: 0.7843 - val_auc_117: 0.5193

Epoch 506/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7789 -
auc_117: 0.5177 - val_loss: 0.7055 - val_auc_117: 0.5226

Epoch 507/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7770 -
auc_117: 0.5178 - val_loss: 0.7939 - val_auc_117: 0.5194

Epoch 508/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7812 -
auc_117: 0.5173 - val_loss: 0.7349 - val_auc_117: 0.5193

Epoch 509/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7845 -
auc_117: 0.5175 - val_loss: 0.7465 - val_auc_117: 0.5180

Epoch 510/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7826 -
auc_117: 0.5177 - val_loss: 0.7577 - val_auc_117: 0.5200

Epoch 511/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7779 -
auc_117: 0.5180 - val_loss: 0.7353 - val_auc_117: 0.5189

Epoch 512/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7842 -
auc_117: 0.5178 - val_loss: 0.8706 - val_auc_117: 0.5195

Epoch 513/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7811 -
auc_117: 0.5180 - val_loss: 0.7368 - val_auc_117: 0.5178

Epoch 514/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7789 -
auc_117: 0.5177 - val_loss: 0.7208 - val_auc_117: 0.5191

Epoch 515/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7775 -
auc_117: 0.5174 - val_loss: 0.8315 - val_auc_117: 0.5194

Epoch 516/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7843 -
auc_117: 0.5185 - val_loss: 0.7574 - val_auc_117: 0.5224

Epoch 517/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7783 -
auc_117: 0.5177 - val_loss: 0.8096 - val_auc_117: 0.5146

Epoch 518/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7810 -
auc_117: 0.5180 - val_loss: 0.7672 - val_auc_117: 0.5198

Epoch 519/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7789 -
auc_117: 0.5170 - val_loss: 0.7829 - val_auc_117: 0.5206

Epoch 520/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7814 -
auc_117: 0.5179 - val_loss: 0.8584 - val_auc_117: 0.5176

Epoch 521/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7813 -
auc_117: 0.5182 - val_loss: 0.7765 - val_auc_117: 0.5172

Epoch 522/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7791 -
auc_117: 0.5172 - val_loss: 0.7415 - val_auc_117: 0.5189

Epoch 523/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7852 -
auc_117: 0.5180 - val_loss: 0.8476 - val_auc_117: 0.5207

Epoch 524/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7796 -
auc_117: 0.5176 - val_loss: 0.8324 - val_auc_117: 0.5186

Epoch 525/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7789 -
auc_117: 0.5177 - val_loss: 0.8235 - val_auc_117: 0.5183

Epoch 526/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7795 -
auc_117: 0.5185 - val_loss: 0.7446 - val_auc_117: 0.5169

Epoch 527/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7807 -
auc_117: 0.5174 - val_loss: 0.7377 - val_auc_117: 0.5239

Epoch 528/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7853 -
auc_117: 0.5170 - val_loss: 0.7961 - val_auc_117: 0.5170

Epoch 529/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7760 -
auc_117: 0.5185 - val_loss: 0.7306 - val_auc_117: 0.5198

Epoch 530/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7722 -
auc_117: 0.5181 - val_loss: 0.7527 - val_auc_117: 0.5160

Epoch 531/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7819 -
auc_117: 0.5176 - val_loss: 0.7507 - val_auc_117: 0.5149
Epoch 532/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7844 -
auc_117: 0.5175 - val_loss: 0.7736 - val_auc_117: 0.5153
Epoch 533/700
3715/3715 [=====] - 11s 3ms/step - loss: 0.7781 -
auc_117: 0.5182 - val_loss: 0.7558 - val_auc_117: 0.5185
Epoch 534/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7814 -
auc_117: 0.5177 - val_loss: 0.7668 - val_auc_117: 0.5179
Epoch 535/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7828 -
auc_117: 0.5178 - val_loss: 0.7093 - val_auc_117: 0.5212
Epoch 536/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7770 -
auc_117: 0.5176 - val_loss: 0.7149 - val_auc_117: 0.5228
Epoch 537/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7757 -
auc_117: 0.5180 - val_loss: 0.8744 - val_auc_117: 0.5184
Epoch 538/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7789 -
auc_117: 0.5181 - val_loss: 0.7433 - val_auc_117: 0.5182
Epoch 539/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7792 -
auc_117: 0.5178 - val_loss: 0.7495 - val_auc_117: 0.5170
Epoch 540/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7814 -
auc_117: 0.5178 - val_loss: 0.7734 - val_auc_117: 0.5158
Epoch 541/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7835 -
auc_117: 0.5169 - val_loss: 0.7620 - val_auc_117: 0.5189
Epoch 542/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7818 -
auc_117: 0.5174 - val_loss: 0.7105 - val_auc_117: 0.5214
Epoch 543/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7843 -
auc_117: 0.5184 - val_loss: 0.7318 - val_auc_117: 0.5225
Epoch 544/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7774 -
auc_117: 0.5185 - val_loss: 0.7261 - val_auc_117: 0.5183
Epoch 545/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7833 -
auc_117: 0.5173 - val_loss: 0.8769 - val_auc_117: 0.5181
Epoch 546/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7840 -
auc_117: 0.5173 - val_loss: 0.7417 - val_auc_117: 0.5182

Epoch 547/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7829 -
auc_117: 0.5178 - val_loss: 0.7493 - val_auc_117: 0.5208
Epoch 548/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7829 -
auc_117: 0.5172 - val_loss: 0.7421 - val_auc_117: 0.5227
Epoch 549/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7806 -
auc_117: 0.5181 - val_loss: 0.7375 - val_auc_117: 0.5176
Epoch 550/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7771 -
auc_117: 0.5177 - val_loss: 0.7321 - val_auc_117: 0.5204
Epoch 551/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7882 -
auc_117: 0.5173 - val_loss: 0.7197 - val_auc_117: 0.5158
Epoch 552/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7825 -
auc_117: 0.5182 - val_loss: 0.7216 - val_auc_117: 0.5223
Epoch 553/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7814 -
auc_117: 0.5171 - val_loss: 0.7317 - val_auc_117: 0.5165
Epoch 554/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7763 -
auc_117: 0.5183 - val_loss: 0.7082 - val_auc_117: 0.5239
Epoch 555/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7798 -
auc_117: 0.5178 - val_loss: 0.8157 - val_auc_117: 0.5185
Epoch 556/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7810 -
auc_117: 0.5176 - val_loss: 0.8021 - val_auc_117: 0.5190
Epoch 557/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7823 -
auc_117: 0.5178 - val_loss: 0.8290 - val_auc_117: 0.5139
Epoch 558/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7775 -
auc_117: 0.5171 - val_loss: 0.7250 - val_auc_117: 0.5241
Epoch 559/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7779 -
auc_117: 0.5186 - val_loss: 0.8800 - val_auc_117: 0.5149
Epoch 560/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7811 -
auc_117: 0.5175 - val_loss: 0.8119 - val_auc_117: 0.5184
Epoch 561/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7831 -
auc_117: 0.5175 - val_loss: 0.7427 - val_auc_117: 0.5162
Epoch 562/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7799 -
auc_117: 0.5183 - val_loss: 0.8000 - val_auc_117: 0.5181

Epoch 563/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7795 -
auc_117: 0.5179 - val_loss: 0.7562 - val_auc_117: 0.5237
Epoch 564/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7770 -
auc_117: 0.5175 - val_loss: 0.7212 - val_auc_117: 0.5208
Epoch 565/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7816 -
auc_117: 0.5177 - val_loss: 0.7485 - val_auc_117: 0.5154
Epoch 566/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7819 -
auc_117: 0.5170 - val_loss: 0.8998 - val_auc_117: 0.5173
Epoch 567/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7783 -
auc_117: 0.5180 - val_loss: 0.7345 - val_auc_117: 0.5155
Epoch 568/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7774 -
auc_117: 0.5184 - val_loss: 0.8336 - val_auc_117: 0.5185
Epoch 569/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7812 -
auc_117: 0.5177 - val_loss: 0.7470 - val_auc_117: 0.5193
Epoch 570/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7813 -
auc_117: 0.5180 - val_loss: 0.7660 - val_auc_117: 0.5222
Epoch 571/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7786 -
auc_117: 0.5178 - val_loss: 0.7424 - val_auc_117: 0.5191
Epoch 572/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7804 -
auc_117: 0.5174 - val_loss: 0.7290 - val_auc_117: 0.5181
Epoch 573/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7780 -
auc_117: 0.5176 - val_loss: 0.8287 - val_auc_117: 0.5174
Epoch 574/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7843 -
auc_117: 0.5178 - val_loss: 0.8378 - val_auc_117: 0.5180
Epoch 575/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7777 -
auc_117: 0.5178 - val_loss: 0.7427 - val_auc_117: 0.5199
Epoch 576/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7844 -
auc_117: 0.5179 - val_loss: 0.7414 - val_auc_117: 0.5183
Epoch 577/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7846 -
auc_117: 0.5174 - val_loss: 0.8179 - val_auc_117: 0.5199
Epoch 578/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7785 -
auc_117: 0.5178 - val_loss: 0.7334 - val_auc_117: 0.5186

Epoch 579/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7824 -
auc_117: 0.5174 - val_loss: 0.8049 - val_auc_117: 0.5197
Epoch 580/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7783 -
auc_117: 0.5171 - val_loss: 0.7460 - val_auc_117: 0.5185
Epoch 581/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7791 -
auc_117: 0.5181 - val_loss: 0.7841 - val_auc_117: 0.5186
Epoch 582/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7859 -
auc_117: 0.5170 - val_loss: 0.7438 - val_auc_117: 0.5186
Epoch 583/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7784 -
auc_117: 0.5175 - val_loss: 0.9120 - val_auc_117: 0.5130
Epoch 584/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7808 -
auc_117: 0.5178 - val_loss: 0.8398 - val_auc_117: 0.5202
Epoch 585/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7873 -
auc_117: 0.5177 - val_loss: 0.7432 - val_auc_117: 0.5219
Epoch 586/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7743 -
auc_117: 0.5174 - val_loss: 0.7485 - val_auc_117: 0.5188
Epoch 587/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7813 -
auc_117: 0.5177 - val_loss: 0.7922 - val_auc_117: 0.5190
Epoch 588/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7845 -
auc_117: 0.5177 - val_loss: 0.7691 - val_auc_117: 0.5155
Epoch 589/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7791 -
auc_117: 0.5180 - val_loss: 0.7973 - val_auc_117: 0.5207
Epoch 590/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7775 -
auc_117: 0.5171 - val_loss: 0.8367 - val_auc_117: 0.5203
Epoch 591/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7815 -
auc_117: 0.5182 - val_loss: 0.7591 - val_auc_117: 0.5165
Epoch 592/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7723 -
auc_117: 0.5181 - val_loss: 0.7289 - val_auc_117: 0.5196
Epoch 593/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7794 -
auc_117: 0.5184 - val_loss: 0.7661 - val_auc_117: 0.5184
Epoch 594/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7756 -
auc_117: 0.5173 - val_loss: 0.7490 - val_auc_117: 0.5197

Epoch 595/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7811 -
auc_117: 0.5176 - val_loss: 0.8276 - val_auc_117: 0.5144
Epoch 596/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7795 -
auc_117: 0.5173 - val_loss: 0.7795 - val_auc_117: 0.5161
Epoch 597/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7744 -
auc_117: 0.5177 - val_loss: 0.7873 - val_auc_117: 0.5230
Epoch 598/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7795 -
auc_117: 0.5183 - val_loss: 0.7438 - val_auc_117: 0.5230
Epoch 599/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7813 -
auc_117: 0.5179 - val_loss: 0.7294 - val_auc_117: 0.5239
Epoch 600/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7821 -
auc_117: 0.5173 - val_loss: 0.7387 - val_auc_117: 0.5180
Epoch 601/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7837 -
auc_117: 0.5178 - val_loss: 0.7105 - val_auc_117: 0.5181
Epoch 602/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7808 -
auc_117: 0.5178 - val_loss: 0.8690 - val_auc_117: 0.5196
Epoch 603/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7826 -
auc_117: 0.5181 - val_loss: 0.7738 - val_auc_117: 0.5197
Epoch 604/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7831 -
auc_117: 0.5181 - val_loss: 0.7388 - val_auc_117: 0.5237
Epoch 605/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7831 -
auc_117: 0.5181 - val_loss: 0.7182 - val_auc_117: 0.5194
Epoch 606/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7807 -
auc_117: 0.5170 - val_loss: 0.7602 - val_auc_117: 0.5184
Epoch 607/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7773 -
auc_117: 0.5168 - val_loss: 0.8889 - val_auc_117: 0.5168
Epoch 608/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7789 -
auc_117: 0.5182 - val_loss: 0.7690 - val_auc_117: 0.5173
Epoch 609/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7767 -
auc_117: 0.5179 - val_loss: 0.7292 - val_auc_117: 0.5213
Epoch 610/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7799 -
auc_117: 0.5181 - val_loss: 0.7631 - val_auc_117: 0.5206

Epoch 611/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7851 -
auc_117: 0.5179 - val_loss: 0.7377 - val_auc_117: 0.5214
Epoch 612/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7767 -
auc_117: 0.5175 - val_loss: 0.7962 - val_auc_117: 0.5151
Epoch 613/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7819 -
auc_117: 0.5180 - val_loss: 0.7769 - val_auc_117: 0.5186
Epoch 614/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7768 -
auc_117: 0.5183 - val_loss: 0.7519 - val_auc_117: 0.5198
Epoch 615/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7830 -
auc_117: 0.5180 - val_loss: 0.7592 - val_auc_117: 0.5195
Epoch 616/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7806 -
auc_117: 0.5176 - val_loss: 0.7745 - val_auc_117: 0.5205
Epoch 617/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7767 -
auc_117: 0.5181 - val_loss: 0.7926 - val_auc_117: 0.5181
Epoch 618/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7763 -
auc_117: 0.5172 - val_loss: 0.8912 - val_auc_117: 0.5142
Epoch 619/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7785 -
auc_117: 0.5175 - val_loss: 0.7730 - val_auc_117: 0.5198
Epoch 620/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7801 -
auc_117: 0.5184 - val_loss: 0.7295 - val_auc_117: 0.5178
Epoch 621/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7815 -
auc_117: 0.5171 - val_loss: 0.8258 - val_auc_117: 0.5207
Epoch 622/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7831 -
auc_117: 0.5174 - val_loss: 0.8479 - val_auc_117: 0.5203
Epoch 623/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7825 -
auc_117: 0.5176 - val_loss: 0.7460 - val_auc_117: 0.5189
Epoch 624/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7769 -
auc_117: 0.5183 - val_loss: 0.7427 - val_auc_117: 0.5212
Epoch 625/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7775 -
auc_117: 0.5179 - val_loss: 0.9214 - val_auc_117: 0.5178
Epoch 626/700
3715/3715 [=====] - 10s 3ms/step - loss: 0.7753 -
auc_117: 0.5183 - val_loss: 0.7522 - val_auc_117: 0.5189

Epoch 627/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7791 -
auc_117: 0.5173 - val_loss: 0.7944 - val_auc_117: 0.5144
Epoch 628/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7832 -
auc_117: 0.5175 - val_loss: 0.7468 - val_auc_117: 0.5164
Epoch 629/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7753 -
auc_117: 0.5175 - val_loss: 0.7906 - val_auc_117: 0.5146
Epoch 630/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7857 -
auc_117: 0.5178 - val_loss: 0.7574 - val_auc_117: 0.5182
Epoch 631/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7794 -
auc_117: 0.5176 - val_loss: 0.8188 - val_auc_117: 0.5172
Epoch 632/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7787 -
auc_117: 0.5180 - val_loss: 0.7449 - val_auc_117: 0.5200
Epoch 633/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7864 -
auc_117: 0.5177 - val_loss: 0.7813 - val_auc_117: 0.5196
Epoch 634/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7817 -
auc_117: 0.5171 - val_loss: 0.7332 - val_auc_117: 0.5196
Epoch 635/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7805 -
auc_117: 0.5180 - val_loss: 0.8030 - val_auc_117: 0.5186
Epoch 636/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7810 -
auc_117: 0.5176 - val_loss: 0.7483 - val_auc_117: 0.5229
Epoch 637/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7788 -
auc_117: 0.5177 - val_loss: 0.7969 - val_auc_117: 0.5167
Epoch 638/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7783 -
auc_117: 0.5181 - val_loss: 0.7960 - val_auc_117: 0.5240
Epoch 639/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7792 -
auc_117: 0.5174 - val_loss: 0.7467 - val_auc_117: 0.5174
Epoch 640/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7754 -
auc_117: 0.5180 - val_loss: 0.7667 - val_auc_117: 0.5184
Epoch 641/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7761 -
auc_117: 0.5179 - val_loss: 0.7474 - val_auc_117: 0.5201
Epoch 642/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7770 -
auc_117: 0.5182 - val_loss: 0.8304 - val_auc_117: 0.5193

Epoch 643/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7820 -
auc_117: 0.5179 - val_loss: 0.7634 - val_auc_117: 0.5182
Epoch 644/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7795 -
auc_117: 0.5181 - val_loss: 0.7086 - val_auc_117: 0.5241
Epoch 645/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7871 -
auc_117: 0.5174 - val_loss: 0.7316 - val_auc_117: 0.5197
Epoch 646/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7760 -
auc_117: 0.5176 - val_loss: 0.7571 - val_auc_117: 0.5222
Epoch 647/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7870 -
auc_117: 0.5177 - val_loss: 0.7761 - val_auc_117: 0.5174
Epoch 648/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7783 -
auc_117: 0.5177 - val_loss: 0.7494 - val_auc_117: 0.5201
Epoch 649/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7806 -
auc_117: 0.5186 - val_loss: 0.7142 - val_auc_117: 0.5222
Epoch 650/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7772 -
auc_117: 0.5177 - val_loss: 0.7621 - val_auc_117: 0.5185
Epoch 651/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7767 -
auc_117: 0.5174 - val_loss: 0.7867 - val_auc_117: 0.5179
Epoch 652/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7815 -
auc_117: 0.5178 - val_loss: 0.7608 - val_auc_117: 0.5215
Epoch 653/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7802 -
auc_117: 0.5176 - val_loss: 0.7441 - val_auc_117: 0.5195
Epoch 654/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7748 -
auc_117: 0.5184 - val_loss: 0.7421 - val_auc_117: 0.5217
Epoch 655/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7813 -
auc_117: 0.5181 - val_loss: 0.8733 - val_auc_117: 0.5177
Epoch 656/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7846 -
auc_117: 0.5170 - val_loss: 0.7228 - val_auc_117: 0.5169
Epoch 657/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7778 -
auc_117: 0.5188 - val_loss: 0.8259 - val_auc_117: 0.5135
Epoch 658/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7796 -
auc_117: 0.5177 - val_loss: 0.7769 - val_auc_117: 0.5191

Epoch 659/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7801 -
auc_117: 0.5181 - val_loss: 0.7452 - val_auc_117: 0.5170
Epoch 660/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7751 -
auc_117: 0.5184 - val_loss: 0.7329 - val_auc_117: 0.5179
Epoch 661/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7771 -
auc_117: 0.5179 - val_loss: 0.7599 - val_auc_117: 0.5160
Epoch 662/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7756 -
auc_117: 0.5181 - val_loss: 0.7538 - val_auc_117: 0.5189
Epoch 663/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7793 -
auc_117: 0.5174 - val_loss: 0.7603 - val_auc_117: 0.5191
Epoch 664/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7827 -
auc_117: 0.5183 - val_loss: 0.7864 - val_auc_117: 0.5215
Epoch 665/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7795 -
auc_117: 0.5180 - val_loss: 0.7658 - val_auc_117: 0.5186
Epoch 666/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7796 -
auc_117: 0.5173 - val_loss: 0.7559 - val_auc_117: 0.5214
Epoch 667/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7758 -
auc_117: 0.5181 - val_loss: 0.8470 - val_auc_117: 0.5145
Epoch 668/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7766 -
auc_117: 0.5185 - val_loss: 0.8036 - val_auc_117: 0.5191
Epoch 669/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7795 -
auc_117: 0.5183 - val_loss: 0.8035 - val_auc_117: 0.5196
Epoch 670/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7799 -
auc_117: 0.5179 - val_loss: 0.7377 - val_auc_117: 0.5160
Epoch 671/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7794 -
auc_117: 0.5179 - val_loss: 0.9035 - val_auc_117: 0.5200
Epoch 672/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7827 -
auc_117: 0.5185 - val_loss: 0.7853 - val_auc_117: 0.5186
Epoch 673/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7790 -
auc_117: 0.5182 - val_loss: 0.7175 - val_auc_117: 0.5184
Epoch 674/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7757 -
auc_117: 0.5184 - val_loss: 0.8083 - val_auc_117: 0.5195

Epoch 675/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7770 -
auc_117: 0.5182 - val_loss: 0.7960 - val_auc_117: 0.5179
Epoch 676/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7791 -
auc_117: 0.5185 - val_loss: 0.7540 - val_auc_117: 0.5187
Epoch 677/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7865 -
auc_117: 0.5178 - val_loss: 0.7721 - val_auc_117: 0.5183
Epoch 678/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7742 -
auc_117: 0.5169 - val_loss: 0.7882 - val_auc_117: 0.5196
Epoch 679/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7824 -
auc_117: 0.5173 - val_loss: 0.7418 - val_auc_117: 0.5155
Epoch 680/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7791 -
auc_117: 0.5187 - val_loss: 0.8226 - val_auc_117: 0.5167
Epoch 681/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7779 -
auc_117: 0.5182 - val_loss: 0.8727 - val_auc_117: 0.5221
Epoch 682/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7769 -
auc_117: 0.5178 - val_loss: 0.7431 - val_auc_117: 0.5220
Epoch 683/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7782 -
auc_117: 0.5178 - val_loss: 0.8861 - val_auc_117: 0.5170
Epoch 684/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7813 -
auc_117: 0.5179 - val_loss: 0.8006 - val_auc_117: 0.5203
Epoch 685/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7819 -
auc_117: 0.5177 - val_loss: 0.7923 - val_auc_117: 0.5169
Epoch 686/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7837 -
auc_117: 0.5179 - val_loss: 0.7495 - val_auc_117: 0.5213
Epoch 687/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7798 -
auc_117: 0.5178 - val_loss: 0.8443 - val_auc_117: 0.5204
Epoch 688/700
3715/3715 [=====] - 9s 2ms/step - loss: 0.7819 -
auc_117: 0.5174 - val_loss: 0.8568 - val_auc_117: 0.5177
Epoch 689/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7824 -
auc_117: 0.5177 - val_loss: 0.7905 - val_auc_117: 0.5188
Epoch 690/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7810 -
auc_117: 0.5182 - val_loss: 0.7467 - val_auc_117: 0.5158

```

Epoch 691/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7826 -
auc_117: 0.5180 - val_loss: 0.7474 - val_auc_117: 0.5201
Epoch 692/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7837 -
auc_117: 0.5181 - val_loss: 0.7862 - val_auc_117: 0.5198
Epoch 693/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7813 -
auc_117: 0.5182 - val_loss: 0.7143 - val_auc_117: 0.5184
Epoch 694/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7797 -
auc_117: 0.5175 - val_loss: 0.8849 - val_auc_117: 0.5163
Epoch 695/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7784 -
auc_117: 0.5189 - val_loss: 0.7500 - val_auc_117: 0.5178
Epoch 696/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7814 -
auc_117: 0.5176 - val_loss: 0.7456 - val_auc_117: 0.5176
Epoch 697/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7756 -
auc_117: 0.5174 - val_loss: 0.7714 - val_auc_117: 0.5185
Epoch 698/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7818 -
auc_117: 0.5179 - val_loss: 0.8051 - val_auc_117: 0.5167
Epoch 699/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7800 -
auc_117: 0.5172 - val_loss: 0.7650 - val_auc_117: 0.5199
Epoch 700/700
3715/3715 [=====] - 9s 3ms/step - loss: 0.7759 -
auc_117: 0.5183 - val_loss: 0.7889 - val_auc_117: 0.5208

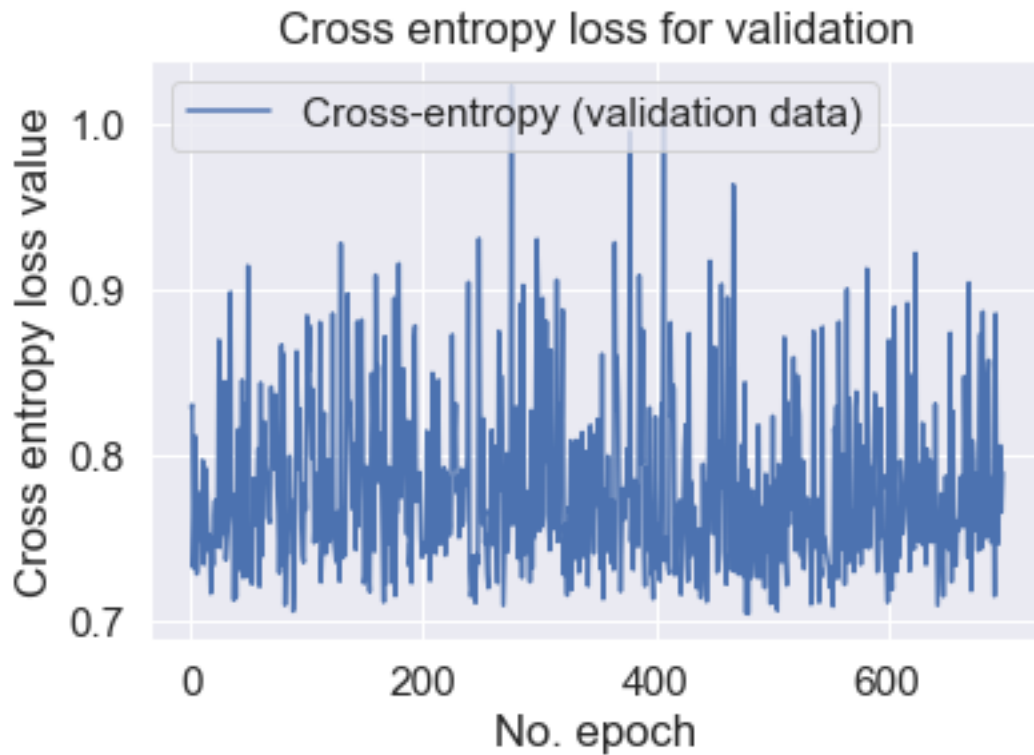
```

Useful graphs

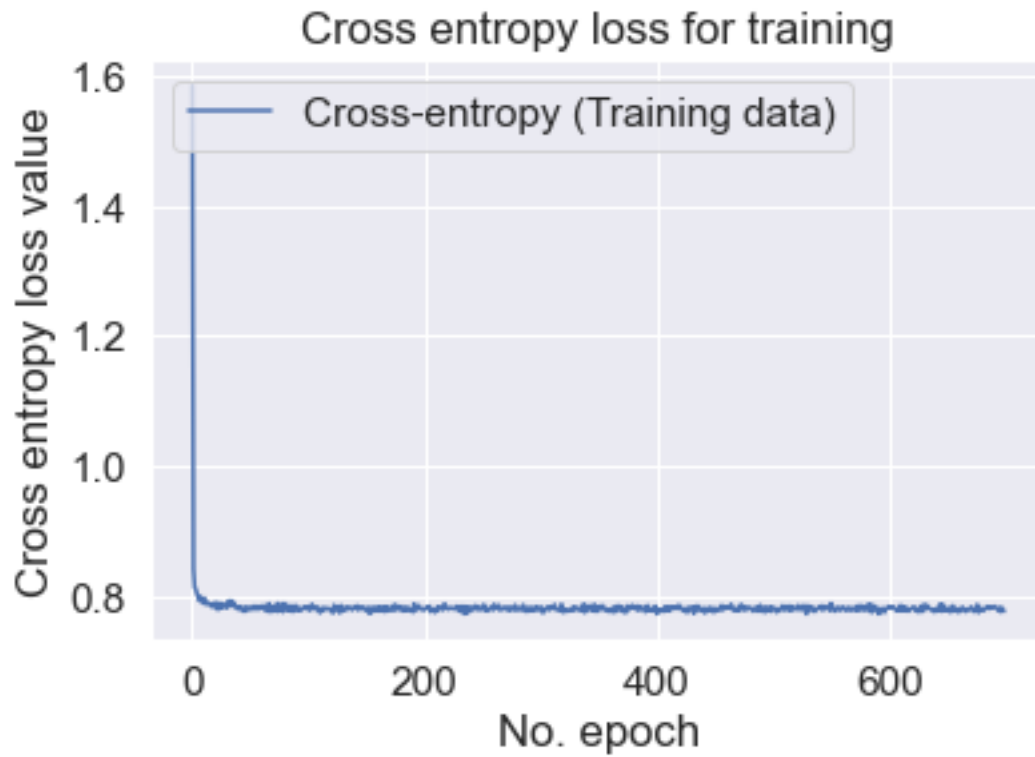
```

[112]: import matplotlib.pyplot as plt
plt.plot(history_reg.history['val_loss'], label='Cross-entropy (validation_1
→data)')
plt.title('Cross entropy loss for validation')
plt.ylabel('Cross entropy loss value')
plt.xlabel('No. epoch')
plt.legend(loc="upper left")
plt.show()

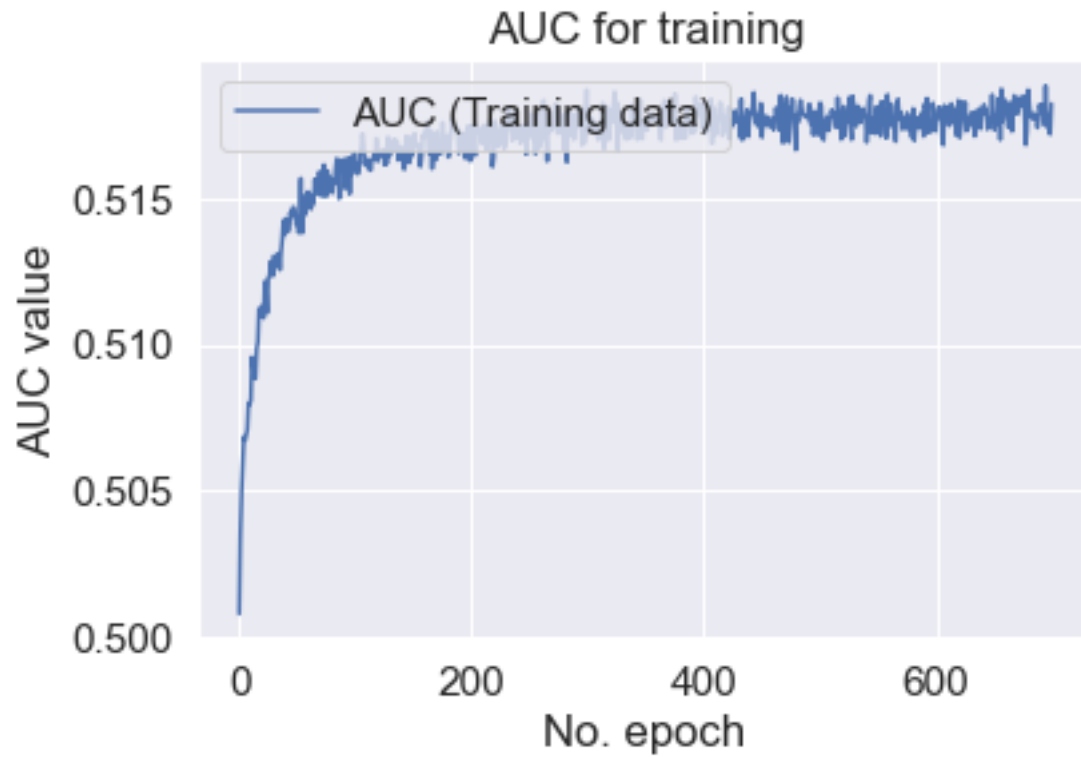
```



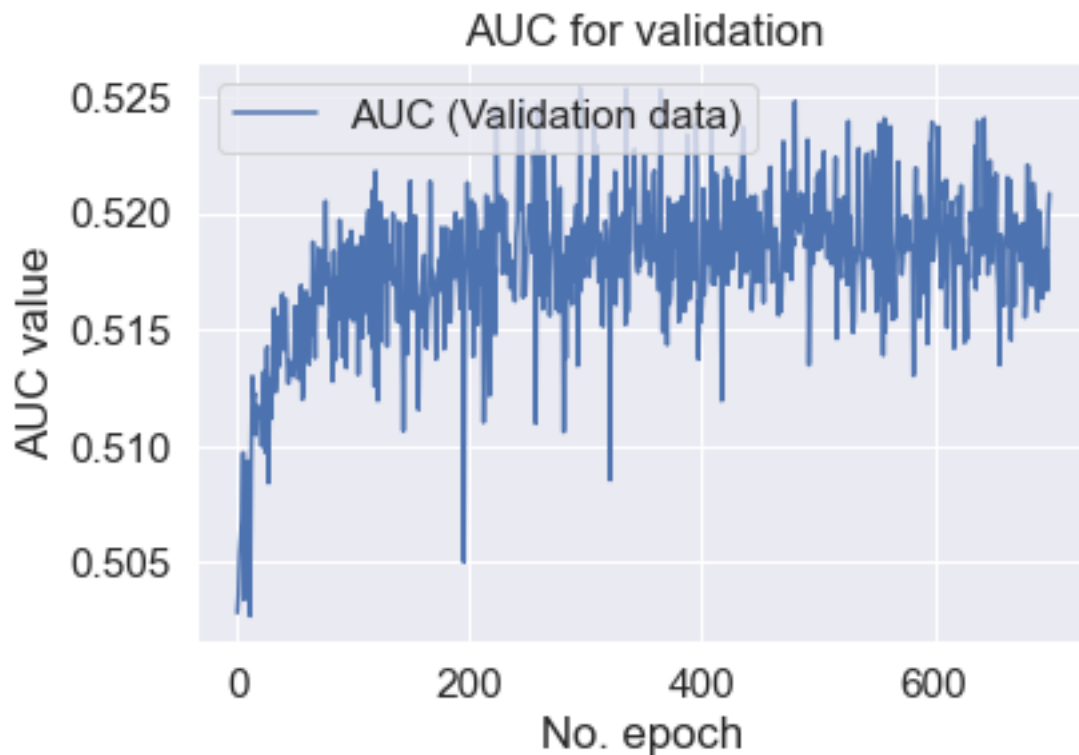
```
[113]: plt.plot(history_reg.history['loss'], label='Cross-entropy (Training data)')
plt.title('Cross entropy loss for training')
plt.ylabel('Cross entropy loss value')
plt.xlabel('No. epoch')
plt.legend(loc="upper left")
plt.show()
```



```
[115]: plt.plot(history_reg.history['auc_117'], label='AUC (Training data)')
plt.title('AUC for training')
plt.ylabel('AUC value')
plt.xlabel('No. epoch')
plt.legend(loc="upper left")
plt.show()
```



```
[117]: plt.plot(history_reg.history['val_auc_117'], label='AUC (Validation data)')
plt.title('AUC for validation')
plt.ylabel('AUC value')
plt.xlabel('No. epoch')
plt.legend(loc="upper left")
plt.show()
```



```
[119]: Y_prediction_LogReg = model_reg.predict(X_test)
Y_prediction_LogReg[Y_prediction_LogReg > 0.5] = 1
Y_prediction_LogReg[Y_prediction_LogReg <= 0.5] = 0

print(classification_report(Y_test, Y_prediction_LogReg))
print("Accuracy: ", accuracy_score(Y_test, Y_prediction_LogReg))
```

	precision	recall	f1-score	support
0.0	0.51	0.40	0.45	245475
1.0	0.52	0.63	0.57	249847
accuracy			0.52	495322
macro avg	0.52	0.51	0.51	495322
weighted avg	0.52	0.52	0.51	495322

Accuracy: 0.5156060098279504

```
[120]: from sklearn.metrics import confusion_matrix
cm_logReg = confusion_matrix(Y_test, Y_prediction_LogReg)
print(cm_logReg)
```

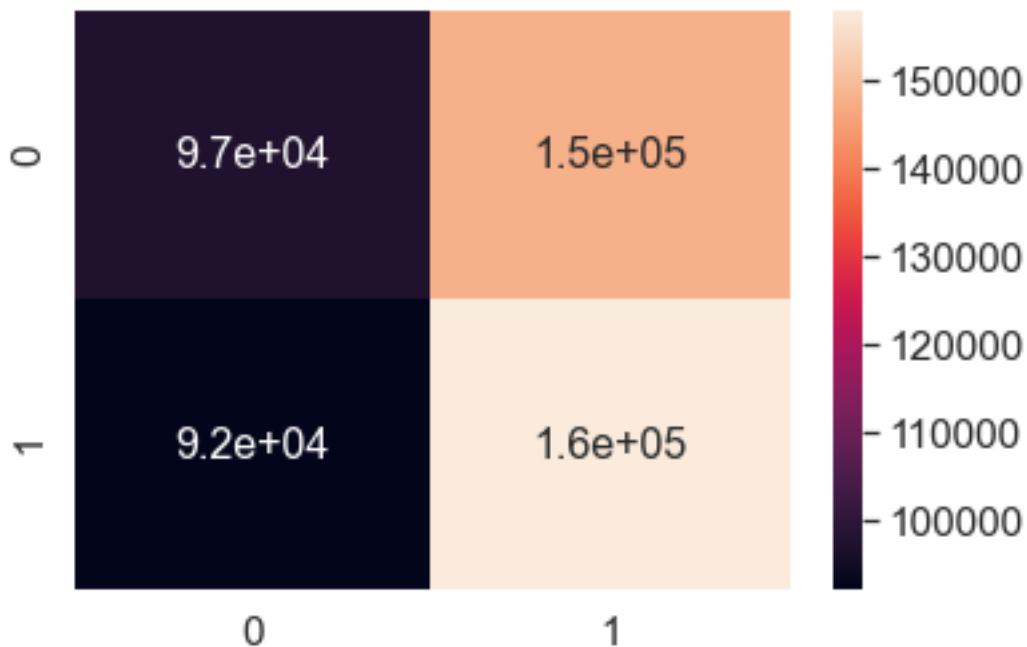
```
[[ 97465 148010]
```

```
[ 91921 157926]]
```

```
[121]: import seaborn as sn

df_cm = pd.DataFrame(cm_logReg, range(2), range(2))
# plt.figure(figsize=(10,7))
sn.set(font_scale=1.4) # for label size
sn.heatmap(df_cm, annot=True, annot_kws={"size": 16}) # font size

plt.show()
```



For our third model we will be adding layer to the previous model.

2.4 MULTI-LAYER LOGISTIC REGRESSSION

Insert neccessary modules

```
[96]: import tensorflow as tf
from tensorflow import keras
from tensorflow.keras import layers
from tensorflow.keras.models import Sequential
from tensorflow.keras.layers import Dense, Dropout
from tensorflow.keras.wrappers.scikit_learn import KerasClassifier
from tensorflow.keras.optimizers import Adam
from sklearn.model_selection import GridSearchCV
```

Like previous model, we will once again define a custom garbage collector


```
[ ]: import gc

class MyCustomCallback(tf.keras.callbacks.Callback):
    def on_epoch_end(self, epoch, logs=None):
        gc.collect()
```

We will create a model creator function that takes 2 inputs: learning rate and number of units

```
[97]: def create_model(learning_rate, neuron1):
        model = Sequential()
        model.add(Dense(neuron1, input_dim = 130, activation = 'swish'))
        model.add(Dropout(0.5))
        model.add(Dense(neuron1, input_dim = neuron1, activation = 'swish'))
        model.add(Dropout(0.5))
        model.add(Dense(1, activation = 'sigmoid'))

        adam = Adam(lr = learning_rate)
        model.compile(loss = 'binary_crossentropy', optimizer = adam, metrics = [
            ↪keras.metrics.AUC()])
        return model
```

Use constructor to classify model for grid search

```
[98]: model = KerasClassifier(build_fn = create_model, verbose = 1)
```

We will tune learning rate and number of units in each layer

```
[99]: learning_rate = [0.001, 0.01, 0.1]
        #dropout_rate = [0.3, 0.5, 0.7]
        neuron1 = [64, 512]

        # Make a dictionary of the grid search parameters

        param_grids = dict(learning_rate = learning_rate, neuron1 = neuron1)
```

Like the previous model, this would also take many hours to perform grid search so we will tune parameters only on a subset of data

```
[100]: _, X, _, Y = train_test_split(X_train, Y_train, random_state=42,
            ↪stratify=Y_train, test_size=100000)
        _, XV, _, YV = train_test_split(X_val, Y_val, random_state=42, stratify=Y_val,
            ↪test_size=10000)
        print(X_train.shape)
        print(XV)
```

```
(1114473, 130)
      feature_0 feature_1 feature_2 feature_3 feature_4 feature_5 \
1443193         1  2.124105  2.595731  0.565603  0.542857  0.806013
2299115         1  0.304758 -0.510592  1.712782  1.116600  2.703415
793553          1 -1.539891 -0.930878 -1.307022 -2.004653 -0.090047
```

1791516	1	4.528518	6.747968	6.610035	9.306442	4.700708
2004897	1	5.357403	5.165113	0.329744	0.225852	-0.197230
...
373553	-1	-3.172026	-3.093182	-0.165169	-0.147700	0.111067
112978	-1	0.542836	0.136016	-1.890687	-1.571971	-0.394900
1436113	-1	1.531181	1.134198	1.566484	1.249566	-0.166393
933041	-1	3.082041	2.001337	2.256222	1.548064	2.049763
1369669	-1	1.857934	0.294725	-4.618245	-2.846806	-3.642617

	feature_6	feature_7	feature_8	feature_9	...	feature_120	\
1443193	0.838892	0.475452	0.591277	0.986865	...	0.176034	
2299115	1.980052	2.298024	1.989143	2.469933	...	2.589818	
793553	-0.122038	-999.000000	-999.000000	-1.687727	...	-2.573046	
1791516	6.355409	0.884958	1.490958	2.174517	...	1.552866	
2004897	-0.161044	1.549499	1.641481	3.337338	...	0.187264	
...	
373553	0.095074	-1.371032	-1.605397	-0.727523	...	0.110100	
112978	-0.307214	-999.000000	-999.000000	0.135308	...	1.090916	
1436113	-0.133216	-999.000000	-999.000000	2.389620	...	-999.000000	
933041	1.444663	-0.649751	-0.635528	3.192836	...	1.927056	
1369669	-2.189500	-1.816897	-1.413165	-0.080148	...	-0.626379	

	feature_121	feature_122	feature_123	feature_124	feature_125	\
1443193	-1.930400	0.096258	-1.541245	0.627358	-0.741513	
2299115	-0.411519	3.965414	0.730484	2.619059	-0.177837	
793553	-1.498413	-3.317188	-1.799997	-2.079177	-1.087481	
1791516	4.153996	0.098836	0.361963	1.168802	3.684239	
2004897	-0.958066	0.699525	0.050214	0.164668	-1.139795	
...	
373553	0.272059	-0.222437	-0.728483	0.072085	0.102303	
112978	4.253887	-0.149943	0.510071	0.826787	3.913716	
1436113	-999.000000	3.954390	1.975244	2.617264	1.414156	
933041	-1.451470	2.846646	-0.160657	2.303704	-0.650555	
1369669	-1.933873	-1.313768	-2.491433	-0.426975	-1.572665	

	feature_126	feature_127	feature_128	feature_129
1443193	0.589462	-1.083205	0.083189	-1.508255
2299115	4.067211	0.145198	4.221034	0.531406
793553	-3.724056	-0.744337	-3.505124	-1.118392
1791516	2.095537	3.488831	0.965748	1.740404
2004897	0.463610	-0.520046	0.708984	-0.084418
...
373553	0.400140	0.476589	0.049128	-0.113371
112978	0.488255	1.890057	0.080129	0.958941
1436113	4.072548	1.388723	4.375434	1.866944
933041	3.427498	-0.350540	3.104156	-0.282906
1369669	-0.866169	-1.504701	-1.452075	-2.254359

[10000 rows x 130 columns]

Perfrom grid search

```
[ ]: grid = GridSearchCV(estimator = model,param_grid = param_grids,verbose = 10,
    ↳scoring='roc_auc')
grid_result = grid.fit(X, Y, batch_size=300, shuffle=True,
    epochs=200, validation_data=(XV, YV),
    ↳callbacks=[MyCustomCallback()])
```

```
[51]: print(grid.best_params_)
```

```
{'learning_rate': 0.001, 'neuron1': 64}
```

Fit the model with optimized parameter

```
[74]: model = create_model(0.001, 64)

history = model.fit(X_train, Y_train, batch_size=300, shuffle=True,
    epochs=1000, validation_data=(X_val, Y_val),
    ↳callbacks=[MyCustomCallback()])
```

Epoch 1/1000

```
3715/3715 [=====] - 13s 3ms/step - loss: 0.9835 -
auc_70: 0.5040 - val_loss: 0.6930 - val_auc_70: 0.5186
```

Epoch 2/1000

```
3715/3715 [=====] - 11s 3ms/step - loss: 0.6950 -
auc_70: 0.5098 - val_loss: 0.6923 - val_auc_70: 0.5242
```

Epoch 3/1000

```
3715/3715 [=====] - 11s 3ms/step - loss: 0.6928 -
auc_70: 0.5181 - val_loss: 0.6920 - val_auc_70: 0.5274
```

Epoch 4/1000

```
3715/3715 [=====] - 11s 3ms/step - loss: 0.6926 -
auc_70: 0.5213 - val_loss: 0.6920 - val_auc_70: 0.5265
```

Epoch 5/1000

```
3715/3715 [=====] - 11s 3ms/step - loss: 0.6923 -
auc_70: 0.5224 - val_loss: 0.6922 - val_auc_70: 0.5221
```

Epoch 6/1000

```
3715/3715 [=====] - 11s 3ms/step - loss: 0.6924 -
auc_70: 0.5229 - val_loss: 0.6917 - val_auc_70: 0.5277
```

Epoch 7/1000

```
3715/3715 [=====] - 11s 3ms/step - loss: 0.6922 -
auc_70: 0.5229 - val_loss: 0.6922 - val_auc_70: 0.5256
```

Epoch 8/1000

```
3715/3715 [=====] - 11s 3ms/step - loss: 0.6924 -
auc_70: 0.5227 - val_loss: 0.6917 - val_auc_70: 0.5270
```

Epoch 9/1000

```
3715/3715 [=====] - 11s 3ms/step - loss: 0.6922 -
auc_70: 0.5231 - val_loss: 0.6918 - val_auc_70: 0.5273
```

Epoch 10/1000

3715/3715 [=====] - 11s 3ms/step - loss: 0.6921 -
auc_70: 0.5237 - val_loss: 0.6916 - val_auc_70: 0.5298
Epoch 11/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6921 -
auc_70: 0.5238 - val_loss: 0.6916 - val_auc_70: 0.5300
Epoch 12/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6921 -
auc_70: 0.5242 - val_loss: 0.6918 - val_auc_70: 0.5273
Epoch 13/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6920 -
auc_70: 0.5243 - val_loss: 0.6915 - val_auc_70: 0.5273
Epoch 14/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6920 -
auc_70: 0.5233 - val_loss: 0.6916 - val_auc_70: 0.5278
Epoch 15/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6920 -
auc_70: 0.5238 - val_loss: 0.6917 - val_auc_70: 0.5265
Epoch 16/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6921 -
auc_70: 0.5228 - val_loss: 0.6916 - val_auc_70: 0.5285
Epoch 17/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6919 -
auc_70: 0.5241 - val_loss: 0.6913 - val_auc_70: 0.5298
Epoch 18/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6919 -
auc_70: 0.5240 - val_loss: 0.6917 - val_auc_70: 0.5277
Epoch 19/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6918 -
auc_70: 0.5243 - val_loss: 0.6913 - val_auc_70: 0.5277
Epoch 20/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6919 -
auc_70: 0.5240 - val_loss: 0.6913 - val_auc_70: 0.5299
Epoch 21/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6918 -
auc_70: 0.5251 - val_loss: 0.6915 - val_auc_70: 0.5290
Epoch 22/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6919 -
auc_70: 0.5249 - val_loss: 0.6914 - val_auc_70: 0.5296
Epoch 23/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6919 -
auc_70: 0.5240 - val_loss: 0.6915 - val_auc_70: 0.5287
Epoch 24/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6918 -
auc_70: 0.5249 - val_loss: 0.6919 - val_auc_70: 0.5269
Epoch 25/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6917 -
auc_70: 0.5248 - val_loss: 0.6918 - val_auc_70: 0.5271
Epoch 26/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6917 -
auc_70: 0.5250 - val_loss: 0.6913 - val_auc_70: 0.5289
Epoch 27/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6917 -
auc_70: 0.5251 - val_loss: 0.6915 - val_auc_70: 0.5286
Epoch 28/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6917 -
auc_70: 0.5251 - val_loss: 0.6919 - val_auc_70: 0.5271
Epoch 29/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6918 -
auc_70: 0.5246 - val_loss: 0.6912 - val_auc_70: 0.5294
Epoch 30/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6916 -
auc_70: 0.5250 - val_loss: 0.6916 - val_auc_70: 0.5280
Epoch 31/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6916 -
auc_70: 0.5259 - val_loss: 0.6914 - val_auc_70: 0.5296
Epoch 32/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6916 -
auc_70: 0.5251 - val_loss: 0.6910 - val_auc_70: 0.5299
Epoch 33/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6917 -
auc_70: 0.5252 - val_loss: 0.6912 - val_auc_70: 0.5297
Epoch 34/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6916 -
auc_70: 0.5250 - val_loss: 0.6914 - val_auc_70: 0.5287
Epoch 35/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6915 -
auc_70: 0.5254 - val_loss: 0.6916 - val_auc_70: 0.5277
Epoch 36/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6916 -
auc_70: 0.5257 - val_loss: 0.6912 - val_auc_70: 0.5286
Epoch 37/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6915 -
auc_70: 0.5253 - val_loss: 0.6910 - val_auc_70: 0.5300
Epoch 38/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6916 -
auc_70: 0.5260 - val_loss: 0.6911 - val_auc_70: 0.5290
Epoch 39/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6916 -
auc_70: 0.5253 - val_loss: 0.6914 - val_auc_70: 0.5283
Epoch 40/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6916 -
auc_70: 0.5258 - val_loss: 0.6913 - val_auc_70: 0.5291
Epoch 41/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6915 -
auc_70: 0.5258 - val_loss: 0.6913 - val_auc_70: 0.5276
Epoch 42/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6913 -
auc_70: 0.5260 - val_loss: 0.6917 - val_auc_70: 0.5251
Epoch 43/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6914 -
auc_70: 0.5259 - val_loss: 0.6912 - val_auc_70: 0.5298
Epoch 44/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6915 -
auc_70: 0.5252 - val_loss: 0.6912 - val_auc_70: 0.5288
Epoch 45/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6913 -
auc_70: 0.5258 - val_loss: 0.6910 - val_auc_70: 0.5293
Epoch 46/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6914 -
auc_70: 0.5265 - val_loss: 0.6912 - val_auc_70: 0.5290
Epoch 47/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6914 -
auc_70: 0.5256 - val_loss: 0.6912 - val_auc_70: 0.5275
Epoch 48/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6914 -
auc_70: 0.5258 - val_loss: 0.6908 - val_auc_70: 0.5310
Epoch 49/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6919 -
auc_70: 0.5251 - val_loss: 0.6912 - val_auc_70: 0.5279
Epoch 50/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6915 -
auc_70: 0.5250 - val_loss: 0.6910 - val_auc_70: 0.5295
Epoch 51/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6913 -
auc_70: 0.5265 - val_loss: 0.6911 - val_auc_70: 0.5294
Epoch 52/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6913 -
auc_70: 0.5259 - val_loss: 0.6916 - val_auc_70: 0.5288
Epoch 53/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6914 -
auc_70: 0.5258 - val_loss: 0.6920 - val_auc_70: 0.5255
Epoch 54/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6913 -
auc_70: 0.5255 - val_loss: 0.6911 - val_auc_70: 0.5291
Epoch 55/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6913 -
auc_70: 0.5263 - val_loss: 0.6908 - val_auc_70: 0.5302
Epoch 56/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6912 -
auc_70: 0.5260 - val_loss: 0.6908 - val_auc_70: 0.5291
Epoch 57/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6914 -
auc_70: 0.5257 - val_loss: 0.6910 - val_auc_70: 0.5283
Epoch 58/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6913 -
auc_70: 0.5261 - val_loss: 0.6911 - val_auc_70: 0.5285
Epoch 59/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6912 -
auc_70: 0.5266 - val_loss: 0.6910 - val_auc_70: 0.5304
Epoch 60/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6912 -
auc_70: 0.5267 - val_loss: 0.6911 - val_auc_70: 0.5284
Epoch 61/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6912 -
auc_70: 0.5271 - val_loss: 0.6909 - val_auc_70: 0.5281
Epoch 62/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6914 -
auc_70: 0.5264 - val_loss: 0.6907 - val_auc_70: 0.5303
Epoch 63/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6911 -
auc_70: 0.5267 - val_loss: 0.6908 - val_auc_70: 0.5278
Epoch 64/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6912 -
auc_70: 0.5262 - val_loss: 0.6911 - val_auc_70: 0.5286
Epoch 65/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6911 -
auc_70: 0.5264 - val_loss: 0.6910 - val_auc_70: 0.5296
Epoch 66/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6912 -
auc_70: 0.5268 - val_loss: 0.6907 - val_auc_70: 0.5299
Epoch 67/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6913 -
auc_70: 0.5265 - val_loss: 0.6907 - val_auc_70: 0.5306
Epoch 68/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6912 -
auc_70: 0.5263 - val_loss: 0.6910 - val_auc_70: 0.5296
Epoch 69/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6910 -
auc_70: 0.5265 - val_loss: 0.6907 - val_auc_70: 0.5294
Epoch 70/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6911 -
auc_70: 0.5263 - val_loss: 0.6916 - val_auc_70: 0.5245
Epoch 71/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6911 -
auc_70: 0.5265 - val_loss: 0.6910 - val_auc_70: 0.5292
Epoch 72/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6911 -
auc_70: 0.5268 - val_loss: 0.6908 - val_auc_70: 0.5303
Epoch 73/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6910 -
auc_70: 0.5273 - val_loss: 0.6910 - val_auc_70: 0.5281
Epoch 74/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6911 -
auc_70: 0.5262 - val_loss: 0.6906 - val_auc_70: 0.5297
Epoch 75/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6909 -
auc_70: 0.5272 - val_loss: 0.6909 - val_auc_70: 0.5301
Epoch 76/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6910 -
auc_70: 0.5274 - val_loss: 0.6909 - val_auc_70: 0.5290
Epoch 77/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6909 -
auc_70: 0.5271 - val_loss: 0.6909 - val_auc_70: 0.5286
Epoch 78/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6911 -
auc_70: 0.5276 - val_loss: 0.6906 - val_auc_70: 0.5290
Epoch 79/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6911 -
auc_70: 0.5270 - val_loss: 0.6905 - val_auc_70: 0.5308
Epoch 80/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6911 -
auc_70: 0.5276 - val_loss: 0.6906 - val_auc_70: 0.5295
Epoch 81/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6910 -
auc_70: 0.5269 - val_loss: 0.6909 - val_auc_70: 0.5301
Epoch 82/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6910 -
auc_70: 0.5267 - val_loss: 0.6909 - val_auc_70: 0.5283
Epoch 83/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6910 -
auc_70: 0.5271 - val_loss: 0.6906 - val_auc_70: 0.5288
Epoch 84/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6912 -
auc_70: 0.5267 - val_loss: 0.6906 - val_auc_70: 0.5306
Epoch 85/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6910 -
auc_70: 0.5274 - val_loss: 0.6913 - val_auc_70: 0.5297
Epoch 86/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6910 -
auc_70: 0.5273 - val_loss: 0.6905 - val_auc_70: 0.5309
Epoch 87/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5281 - val_loss: 0.6903 - val_auc_70: 0.5309
Epoch 88/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6909 -
auc_70: 0.5275 - val_loss: 0.6908 - val_auc_70: 0.5302
Epoch 89/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6910 -
auc_70: 0.5274 - val_loss: 0.6904 - val_auc_70: 0.5309
Epoch 90/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6910 -
auc_70: 0.5275 - val_loss: 0.6901 - val_auc_70: 0.5310
Epoch 91/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6909 -
auc_70: 0.5284 - val_loss: 0.6905 - val_auc_70: 0.5319
Epoch 92/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5275 - val_loss: 0.6904 - val_auc_70: 0.5310
Epoch 93/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6909 -
auc_70: 0.5269 - val_loss: 0.6907 - val_auc_70: 0.5284
Epoch 94/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6908 -
auc_70: 0.5276 - val_loss: 0.6907 - val_auc_70: 0.5294
Epoch 95/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6909 -
auc_70: 0.5276 - val_loss: 0.6908 - val_auc_70: 0.5293
Epoch 96/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6910 -
auc_70: 0.5274 - val_loss: 0.6905 - val_auc_70: 0.5294
Epoch 97/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5271 - val_loss: 0.6905 - val_auc_70: 0.5295
Epoch 98/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6907 -
auc_70: 0.5283 - val_loss: 0.6904 - val_auc_70: 0.5314
Epoch 99/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6911 -
auc_70: 0.5266 - val_loss: 0.6905 - val_auc_70: 0.5306
Epoch 100/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6909 -
auc_70: 0.5270 - val_loss: 0.6905 - val_auc_70: 0.5284
Epoch 101/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6906 -
auc_70: 0.5280 - val_loss: 0.6906 - val_auc_70: 0.5293
Epoch 102/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6908 -
auc_70: 0.5283 - val_loss: 0.6903 - val_auc_70: 0.5271
Epoch 103/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6908 -
auc_70: 0.5280 - val_loss: 0.6908 - val_auc_70: 0.5299
Epoch 104/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6907 -
auc_70: 0.5281 - val_loss: 0.6903 - val_auc_70: 0.5294
Epoch 105/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6909 -
auc_70: 0.5280 - val_loss: 0.6907 - val_auc_70: 0.5288
Epoch 106/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6907 -
auc_70: 0.5278 - val_loss: 0.6906 - val_auc_70: 0.5299
Epoch 107/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6907 -
auc_70: 0.5286 - val_loss: 0.6906 - val_auc_70: 0.5278
Epoch 108/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5282 - val_loss: 0.6904 - val_auc_70: 0.5302
Epoch 109/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6909 -
auc_70: 0.5277 - val_loss: 0.6911 - val_auc_70: 0.5278
Epoch 110/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5271 - val_loss: 0.6905 - val_auc_70: 0.5291
Epoch 111/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6907 -
auc_70: 0.5285 - val_loss: 0.6906 - val_auc_70: 0.5286
Epoch 112/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6908 -
auc_70: 0.5283 - val_loss: 0.6905 - val_auc_70: 0.5294
Epoch 113/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6907 -
auc_70: 0.5279 - val_loss: 0.6903 - val_auc_70: 0.5301
Epoch 114/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5278 - val_loss: 0.6903 - val_auc_70: 0.5310
Epoch 115/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5275 - val_loss: 0.6904 - val_auc_70: 0.5308
Epoch 116/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5278 - val_loss: 0.6906 - val_auc_70: 0.5316
Epoch 117/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5274 - val_loss: 0.6905 - val_auc_70: 0.5308
Epoch 118/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5281 - val_loss: 0.6904 - val_auc_70: 0.5315
Epoch 119/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6914 -
auc_70: 0.5272 - val_loss: 0.6909 - val_auc_70: 0.5287
Epoch 120/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6911 -
auc_70: 0.5271 - val_loss: 0.6913 - val_auc_70: 0.5307
Epoch 121/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6910 -
auc_70: 0.5282 - val_loss: 0.6904 - val_auc_70: 0.5313
Epoch 122/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5275 - val_loss: 0.6904 - val_auc_70: 0.5297
Epoch 123/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5274 - val_loss: 0.6905 - val_auc_70: 0.5300
Epoch 124/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6907 -
auc_70: 0.5278 - val_loss: 0.6903 - val_auc_70: 0.5307
Epoch 125/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5286 - val_loss: 0.6902 - val_auc_70: 0.5308
Epoch 126/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6911 -
auc_70: 0.5278 - val_loss: 0.6900 - val_auc_70: 0.5323
Epoch 127/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6907 -
auc_70: 0.5276 - val_loss: 0.6902 - val_auc_70: 0.5318
Epoch 128/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5280 - val_loss: 0.6904 - val_auc_70: 0.5316
Epoch 129/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6909 -
auc_70: 0.5278 - val_loss: 0.6900 - val_auc_70: 0.5317
Epoch 130/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5283 - val_loss: 0.6902 - val_auc_70: 0.5314
Epoch 131/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5280 - val_loss: 0.6903 - val_auc_70: 0.5321
Epoch 132/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5280 - val_loss: 0.6907 - val_auc_70: 0.5306
Epoch 133/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5279 - val_loss: 0.6925 - val_auc_70: 0.5315
Epoch 134/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5280 - val_loss: 0.6902 - val_auc_70: 0.5310
Epoch 135/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5275 - val_loss: 0.6904 - val_auc_70: 0.5322
Epoch 136/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5272 - val_loss: 0.6901 - val_auc_70: 0.5322
Epoch 137/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5282 - val_loss: 0.6903 - val_auc_70: 0.5319
Epoch 138/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5287 - val_loss: 0.6901 - val_auc_70: 0.5316
Epoch 139/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6908 -
auc_70: 0.5278 - val_loss: 0.6905 - val_auc_70: 0.5312
Epoch 140/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5281 - val_loss: 0.6901 - val_auc_70: 0.5317
Epoch 141/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6907 -
auc_70: 0.5290 - val_loss: 0.6901 - val_auc_70: 0.5318
Epoch 142/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5290 - val_loss: 0.6910 - val_auc_70: 0.5291
Epoch 143/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5285 - val_loss: 0.6905 - val_auc_70: 0.5296
Epoch 144/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5283 - val_loss: 0.6904 - val_auc_70: 0.5312
Epoch 145/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6907 -
auc_70: 0.5279 - val_loss: 0.6901 - val_auc_70: 0.5299
Epoch 146/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5278 - val_loss: 0.6905 - val_auc_70: 0.5304
Epoch 147/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5278 - val_loss: 0.6904 - val_auc_70: 0.5287
Epoch 148/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5283 - val_loss: 0.6907 - val_auc_70: 0.5295
Epoch 149/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6904 -
auc_70: 0.5285 - val_loss: 0.6902 - val_auc_70: 0.5299
Epoch 150/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5280 - val_loss: 0.6903 - val_auc_70: 0.5294
Epoch 151/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5289 - val_loss: 0.6901 - val_auc_70: 0.5313
Epoch 152/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5284 - val_loss: 0.6904 - val_auc_70: 0.5299
Epoch 153/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5290 - val_loss: 0.6907 - val_auc_70: 0.5287
Epoch 154/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5286 - val_loss: 0.6905 - val_auc_70: 0.5311
Epoch 155/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5289 - val_loss: 0.6901 - val_auc_70: 0.5316
Epoch 156/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5286 - val_loss: 0.6903 - val_auc_70: 0.5297
Epoch 157/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5285 - val_loss: 0.6905 - val_auc_70: 0.5293
Epoch 158/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5276 - val_loss: 0.6902 - val_auc_70: 0.5298
Epoch 159/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5295 - val_loss: 0.6902 - val_auc_70: 0.5321
Epoch 160/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5288 - val_loss: 0.6903 - val_auc_70: 0.5290
Epoch 161/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5276 - val_loss: 0.6903 - val_auc_70: 0.5301
Epoch 162/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6904 -
auc_70: 0.5284 - val_loss: 0.6906 - val_auc_70: 0.5309
Epoch 163/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5286 - val_loss: 0.6903 - val_auc_70: 0.5295
Epoch 164/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5297 - val_loss: 0.6903 - val_auc_70: 0.5303
Epoch 165/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6907 -
auc_70: 0.5284 - val_loss: 0.6905 - val_auc_70: 0.5302
Epoch 166/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6904 -
auc_70: 0.5284 - val_loss: 0.6902 - val_auc_70: 0.5321
Epoch 167/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6907 -
auc_70: 0.5291 - val_loss: 0.6904 - val_auc_70: 0.5300
Epoch 168/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5286 - val_loss: 0.6902 - val_auc_70: 0.5288
Epoch 169/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5274 - val_loss: 0.6906 - val_auc_70: 0.5293
Epoch 170/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5287 - val_loss: 0.6899 - val_auc_70: 0.5304
Epoch 171/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6907 -
auc_70: 0.5286 - val_loss: 0.6902 - val_auc_70: 0.5292
Epoch 172/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5288 - val_loss: 0.6902 - val_auc_70: 0.5294
Epoch 173/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5282 - val_loss: 0.6902 - val_auc_70: 0.5297
Epoch 174/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6906 -
auc_70: 0.5287 - val_loss: 0.6902 - val_auc_70: 0.5302
Epoch 175/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5289 - val_loss: 0.6901 - val_auc_70: 0.5300
Epoch 176/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5298 - val_loss: 0.6905 - val_auc_70: 0.5297
Epoch 177/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5290 - val_loss: 0.6902 - val_auc_70: 0.5289
Epoch 178/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5285 - val_loss: 0.6900 - val_auc_70: 0.5288
Epoch 179/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5291 - val_loss: 0.6900 - val_auc_70: 0.5305
Epoch 180/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5281 - val_loss: 0.6907 - val_auc_70: 0.5277
Epoch 181/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5285 - val_loss: 0.6904 - val_auc_70: 0.5300
Epoch 182/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5290 - val_loss: 0.6902 - val_auc_70: 0.5295
Epoch 183/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5290 - val_loss: 0.6903 - val_auc_70: 0.5306
Epoch 184/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5295 - val_loss: 0.6901 - val_auc_70: 0.5305
Epoch 185/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5292 - val_loss: 0.6902 - val_auc_70: 0.5291
Epoch 186/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5283 - val_loss: 0.6903 - val_auc_70: 0.5291
Epoch 187/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5295 - val_loss: 0.6908 - val_auc_70: 0.5286
Epoch 188/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5293 - val_loss: 0.6905 - val_auc_70: 0.5294
Epoch 189/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5292 - val_loss: 0.6899 - val_auc_70: 0.5313
Epoch 190/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6901 -
auc_70: 0.5299 - val_loss: 0.6900 - val_auc_70: 0.5302
Epoch 191/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6904 -
auc_70: 0.5293 - val_loss: 0.6902 - val_auc_70: 0.5307
Epoch 192/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5292 - val_loss: 0.6907 - val_auc_70: 0.5300
Epoch 193/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5294 - val_loss: 0.6900 - val_auc_70: 0.5295
Epoch 194/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5295 - val_loss: 0.6901 - val_auc_70: 0.5292
Epoch 195/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5295 - val_loss: 0.6902 - val_auc_70: 0.5332
Epoch 196/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5295 - val_loss: 0.6899 - val_auc_70: 0.5309
Epoch 197/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5296 - val_loss: 0.6902 - val_auc_70: 0.5309
Epoch 198/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5293 - val_loss: 0.6903 - val_auc_70: 0.5308
Epoch 199/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6902 -
auc_70: 0.5300 - val_loss: 0.6904 - val_auc_70: 0.5255
Epoch 200/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5287 - val_loss: 0.6899 - val_auc_70: 0.5310
Epoch 201/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5292 - val_loss: 0.6903 - val_auc_70: 0.5317
Epoch 202/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5294 - val_loss: 0.6902 - val_auc_70: 0.5306
Epoch 203/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5296 - val_loss: 0.6899 - val_auc_70: 0.5306
Epoch 204/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5294 - val_loss: 0.6899 - val_auc_70: 0.5304
Epoch 205/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5300 - val_loss: 0.6897 - val_auc_70: 0.5315
Epoch 206/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5297 - val_loss: 0.6899 - val_auc_70: 0.5308
Epoch 207/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5300 - val_loss: 0.6901 - val_auc_70: 0.5323
Epoch 208/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5300 - val_loss: 0.6906 - val_auc_70: 0.5303
Epoch 209/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5296 - val_loss: 0.6900 - val_auc_70: 0.5314
Epoch 210/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5293 - val_loss: 0.6904 - val_auc_70: 0.5297
Epoch 211/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5298 - val_loss: 0.6898 - val_auc_70: 0.5306
Epoch 212/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5298 - val_loss: 0.6901 - val_auc_70: 0.5307
Epoch 213/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5297 - val_loss: 0.6898 - val_auc_70: 0.5330
Epoch 214/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5293 - val_loss: 0.6899 - val_auc_70: 0.5293
Epoch 215/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5296 - val_loss: 0.6901 - val_auc_70: 0.5308
Epoch 216/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5296 - val_loss: 0.6899 - val_auc_70: 0.5298
Epoch 217/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6903 -
auc_70: 0.5296 - val_loss: 0.6903 - val_auc_70: 0.5297
Epoch 218/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5290 - val_loss: 0.6902 - val_auc_70: 0.5291
Epoch 219/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5300 - val_loss: 0.6900 - val_auc_70: 0.5290
Epoch 220/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5302 - val_loss: 0.6897 - val_auc_70: 0.5327
Epoch 221/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5299 - val_loss: 0.6898 - val_auc_70: 0.5323
Epoch 222/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5309 - val_loss: 0.6899 - val_auc_70: 0.5325
Epoch 223/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5298 - val_loss: 0.6896 - val_auc_70: 0.5328
Epoch 224/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6902 -
auc_70: 0.5295 - val_loss: 0.6896 - val_auc_70: 0.5311
Epoch 225/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6908 -
auc_70: 0.5292 - val_loss: 0.6900 - val_auc_70: 0.5291
Epoch 226/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5298 - val_loss: 0.6903 - val_auc_70: 0.5296
Epoch 227/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5300 - val_loss: 0.6901 - val_auc_70: 0.5296
Epoch 228/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5292 - val_loss: 0.6899 - val_auc_70: 0.5306
Epoch 229/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5296 - val_loss: 0.6896 - val_auc_70: 0.5332
Epoch 230/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5305 - val_loss: 0.6896 - val_auc_70: 0.5320
Epoch 231/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5290 - val_loss: 0.6902 - val_auc_70: 0.5295
Epoch 232/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5300 - val_loss: 0.6899 - val_auc_70: 0.5323
Epoch 233/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5304 - val_loss: 0.6897 - val_auc_70: 0.5311
Epoch 234/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5292 - val_loss: 0.6900 - val_auc_70: 0.5318
Epoch 235/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5302 - val_loss: 0.6899 - val_auc_70: 0.5296
Epoch 236/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5297 - val_loss: 0.6898 - val_auc_70: 0.5312
Epoch 237/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5301 - val_loss: 0.6899 - val_auc_70: 0.5312
Epoch 238/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5299 - val_loss: 0.6898 - val_auc_70: 0.5319
Epoch 239/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5299 - val_loss: 0.6899 - val_auc_70: 0.5324
Epoch 240/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5288 - val_loss: 0.6904 - val_auc_70: 0.5300
Epoch 241/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5293 - val_loss: 0.6901 - val_auc_70: 0.5309
Epoch 242/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5303 - val_loss: 0.6901 - val_auc_70: 0.5299
Epoch 243/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5302 - val_loss: 0.6899 - val_auc_70: 0.5325
Epoch 244/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5295 - val_loss: 0.6899 - val_auc_70: 0.5301
Epoch 245/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5301 - val_loss: 0.6900 - val_auc_70: 0.5308
Epoch 246/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5294 - val_loss: 0.6900 - val_auc_70: 0.5327
Epoch 247/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5298 - val_loss: 0.6898 - val_auc_70: 0.5289
Epoch 248/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6905 -
auc_70: 0.5287 - val_loss: 0.6895 - val_auc_70: 0.5324
Epoch 249/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5297 - val_loss: 0.6897 - val_auc_70: 0.5328
Epoch 250/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
 auc_70: 0.5300 - val_loss: 0.6909 - val_auc_70: 0.5315
 Epoch 251/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
 auc_70: 0.5293 - val_loss: 0.6896 - val_auc_70: 0.5325
 Epoch 252/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
 auc_70: 0.5302 - val_loss: 0.6898 - val_auc_70: 0.5311
 Epoch 253/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
 auc_70: 0.5298 - val_loss: 0.6898 - val_auc_70: 0.5320
 Epoch 254/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
 auc_70: 0.5302 - val_loss: 0.6898 - val_auc_70: 0.5303
 Epoch 255/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
 auc_70: 0.5308 - val_loss: 0.6895 - val_auc_70: 0.5322
 Epoch 256/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
 auc_70: 0.5293 - val_loss: 0.6902 - val_auc_70: 0.5303
 Epoch 257/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
 auc_70: 0.5296 - val_loss: 0.6898 - val_auc_70: 0.5308
 Epoch 258/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
 auc_70: 0.5306 - val_loss: 0.6898 - val_auc_70: 0.5305
 Epoch 259/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
 auc_70: 0.5311 - val_loss: 0.6899 - val_auc_70: 0.5327
 Epoch 260/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
 auc_70: 0.5306 - val_loss: 0.6899 - val_auc_70: 0.5317
 Epoch 261/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
 auc_70: 0.5303 - val_loss: 0.6898 - val_auc_70: 0.5314
 Epoch 262/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
 auc_70: 0.5303 - val_loss: 0.6904 - val_auc_70: 0.5305
 Epoch 263/1000
 3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
 auc_70: 0.5298 - val_loss: 0.6904 - val_auc_70: 0.5296
 Epoch 264/1000
 3715/3715 [=====] - 11s 3ms/step - loss: 0.6899 -
 auc_70: 0.5308 - val_loss: 0.6898 - val_auc_70: 0.5308
 Epoch 265/1000
 3715/3715 [=====] - 11s 3ms/step - loss: 0.6901 -
 auc_70: 0.5301 - val_loss: 0.6896 - val_auc_70: 0.5307
 Epoch 266/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5305 - val_loss: 0.6896 - val_auc_70: 0.5319
Epoch 267/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5305 - val_loss: 0.6895 - val_auc_70: 0.5322
Epoch 268/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5300 - val_loss: 0.6900 - val_auc_70: 0.5319
Epoch 269/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5305 - val_loss: 0.6898 - val_auc_70: 0.5305
Epoch 270/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5306 - val_loss: 0.6898 - val_auc_70: 0.5309
Epoch 271/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5290 - val_loss: 0.6899 - val_auc_70: 0.5315
Epoch 272/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5311 - val_loss: 0.6895 - val_auc_70: 0.5326
Epoch 273/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5305 - val_loss: 0.6896 - val_auc_70: 0.5321
Epoch 274/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6899 -
auc_70: 0.5308 - val_loss: 0.6897 - val_auc_70: 0.5323
Epoch 275/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5301 - val_loss: 0.6899 - val_auc_70: 0.5307
Epoch 276/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5298 - val_loss: 0.6900 - val_auc_70: 0.5303
Epoch 277/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5295 - val_loss: 0.6896 - val_auc_70: 0.5326
Epoch 278/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5302 - val_loss: 0.6896 - val_auc_70: 0.5326
Epoch 279/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5287 - val_loss: 0.6900 - val_auc_70: 0.5315
Epoch 280/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5311 - val_loss: 0.6895 - val_auc_70: 0.5307
Epoch 281/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5314 - val_loss: 0.6896 - val_auc_70: 0.5337
Epoch 282/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5308 - val_loss: 0.6895 - val_auc_70: 0.5326
Epoch 283/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5306 - val_loss: 0.6898 - val_auc_70: 0.5336
Epoch 284/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5299 - val_loss: 0.6896 - val_auc_70: 0.5320
Epoch 285/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5299 - val_loss: 0.6897 - val_auc_70: 0.5309
Epoch 286/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5304 - val_loss: 0.6894 - val_auc_70: 0.5317
Epoch 287/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6904 -
auc_70: 0.5294 - val_loss: 0.6897 - val_auc_70: 0.5312
Epoch 288/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5305 - val_loss: 0.6895 - val_auc_70: 0.5318
Epoch 289/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5319 - val_loss: 0.6896 - val_auc_70: 0.5312
Epoch 290/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6899 -
auc_70: 0.5302 - val_loss: 0.6898 - val_auc_70: 0.5329
Epoch 291/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5308 - val_loss: 0.6892 - val_auc_70: 0.5328
Epoch 292/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5303 - val_loss: 0.6896 - val_auc_70: 0.5319
Epoch 293/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5306 - val_loss: 0.6896 - val_auc_70: 0.5340
Epoch 294/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5312 - val_loss: 0.6930 - val_auc_70: 0.5312
Epoch 295/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5307 - val_loss: 0.6897 - val_auc_70: 0.5324
Epoch 296/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5300 - val_loss: 0.6899 - val_auc_70: 0.5298
Epoch 297/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5312 - val_loss: 0.6895 - val_auc_70: 0.5312
Epoch 298/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5312 - val_loss: 0.6893 - val_auc_70: 0.5329
Epoch 299/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5314 - val_loss: 0.6896 - val_auc_70: 0.5338
Epoch 300/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5306 - val_loss: 0.6896 - val_auc_70: 0.5321
Epoch 301/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5306 - val_loss: 0.6895 - val_auc_70: 0.5325
Epoch 302/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5308 - val_loss: 0.6895 - val_auc_70: 0.5313
Epoch 303/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5314 - val_loss: 0.6896 - val_auc_70: 0.5320
Epoch 304/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5310 - val_loss: 0.6894 - val_auc_70: 0.5330
Epoch 305/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5304 - val_loss: 0.6897 - val_auc_70: 0.5321
Epoch 306/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5304 - val_loss: 0.6899 - val_auc_70: 0.5322
Epoch 307/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5311 - val_loss: 0.6896 - val_auc_70: 0.5335
Epoch 308/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5310 - val_loss: 0.6896 - val_auc_70: 0.5338
Epoch 309/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5314 - val_loss: 0.6899 - val_auc_70: 0.5314
Epoch 310/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5315 - val_loss: 0.6897 - val_auc_70: 0.5317
Epoch 311/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5307 - val_loss: 0.6896 - val_auc_70: 0.5308
Epoch 312/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5306 - val_loss: 0.6897 - val_auc_70: 0.5322
Epoch 313/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5309 - val_loss: 0.6903 - val_auc_70: 0.5313
Epoch 314/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5303 - val_loss: 0.6893 - val_auc_70: 0.5317
Epoch 315/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6901 -
auc_70: 0.5303 - val_loss: 0.6898 - val_auc_70: 0.5309
Epoch 316/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5298 - val_loss: 0.6892 - val_auc_70: 0.5320
Epoch 317/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5316 - val_loss: 0.6899 - val_auc_70: 0.5317
Epoch 318/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6902 -
auc_70: 0.5298 - val_loss: 0.6895 - val_auc_70: 0.5313
Epoch 319/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5303 - val_loss: 0.6892 - val_auc_70: 0.5316
Epoch 320/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5301 - val_loss: 0.6897 - val_auc_70: 0.5322
Epoch 321/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5312 - val_loss: 0.6895 - val_auc_70: 0.5338
Epoch 322/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5313 - val_loss: 0.6894 - val_auc_70: 0.5334
Epoch 323/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5310 - val_loss: 0.6897 - val_auc_70: 0.5323
Epoch 324/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5312 - val_loss: 0.6894 - val_auc_70: 0.5344
Epoch 325/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5310 - val_loss: 0.6897 - val_auc_70: 0.5326
Epoch 326/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5314 - val_loss: 0.6903 - val_auc_70: 0.5320
Epoch 327/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5314 - val_loss: 0.6897 - val_auc_70: 0.5340
Epoch 328/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5314 - val_loss: 0.6897 - val_auc_70: 0.5322
Epoch 329/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5312 - val_loss: 0.6898 - val_auc_70: 0.5322
Epoch 330/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5305 - val_loss: 0.6895 - val_auc_70: 0.5329
Epoch 331/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6897 -
auc_70: 0.5314 - val_loss: 0.6896 - val_auc_70: 0.5321
Epoch 332/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5306 - val_loss: 0.6894 - val_auc_70: 0.5315
Epoch 333/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5308 - val_loss: 0.6896 - val_auc_70: 0.5328
Epoch 334/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5313 - val_loss: 0.6896 - val_auc_70: 0.5332
Epoch 335/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5315 - val_loss: 0.6894 - val_auc_70: 0.5324
Epoch 336/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6896 -
auc_70: 0.5317 - val_loss: 0.6896 - val_auc_70: 0.5315
Epoch 337/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5297 - val_loss: 0.6897 - val_auc_70: 0.5315
Epoch 338/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5310 - val_loss: 0.6896 - val_auc_70: 0.5322
Epoch 339/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5299 - val_loss: 0.6892 - val_auc_70: 0.5319
Epoch 340/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5306 - val_loss: 0.6897 - val_auc_70: 0.5318
Epoch 341/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6897 -
auc_70: 0.5307 - val_loss: 0.6897 - val_auc_70: 0.5311
Epoch 342/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5305 - val_loss: 0.6896 - val_auc_70: 0.5313
Epoch 343/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5308 - val_loss: 0.6893 - val_auc_70: 0.5323
Epoch 344/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5310 - val_loss: 0.6893 - val_auc_70: 0.5322
Epoch 345/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5306 - val_loss: 0.6895 - val_auc_70: 0.5316
Epoch 346/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5310 - val_loss: 0.6899 - val_auc_70: 0.5290
Epoch 347/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5305 - val_loss: 0.6893 - val_auc_70: 0.5325
Epoch 348/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5313 - val_loss: 0.6897 - val_auc_70: 0.5308
Epoch 349/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5313 - val_loss: 0.6895 - val_auc_70: 0.5328
Epoch 350/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5316 - val_loss: 0.6895 - val_auc_70: 0.5310
Epoch 351/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5310 - val_loss: 0.6896 - val_auc_70: 0.5330
Epoch 352/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5315 - val_loss: 0.6895 - val_auc_70: 0.5318
Epoch 353/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5314 - val_loss: 0.6893 - val_auc_70: 0.5313
Epoch 354/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5321 - val_loss: 0.6896 - val_auc_70: 0.5317
Epoch 355/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6895 -
auc_70: 0.5312 - val_loss: 0.6899 - val_auc_70: 0.5295
Epoch 356/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5303 - val_loss: 0.6897 - val_auc_70: 0.5314
Epoch 357/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6897 -
auc_70: 0.5308 - val_loss: 0.6895 - val_auc_70: 0.5297
Epoch 358/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6896 -
auc_70: 0.5309 - val_loss: 0.6891 - val_auc_70: 0.5314
Epoch 359/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5310 - val_loss: 0.6895 - val_auc_70: 0.5317
Epoch 360/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5305 - val_loss: 0.6892 - val_auc_70: 0.5328
Epoch 361/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5301 - val_loss: 0.6896 - val_auc_70: 0.5307
Epoch 362/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5305 - val_loss: 0.6897 - val_auc_70: 0.5317
Epoch 363/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5306 - val_loss: 0.6895 - val_auc_70: 0.5310
Epoch 364/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6899 -
auc_70: 0.5306 - val_loss: 0.6896 - val_auc_70: 0.5325
Epoch 365/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6897 -
auc_70: 0.5304 - val_loss: 0.6895 - val_auc_70: 0.5327
Epoch 366/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5313 - val_loss: 0.6894 - val_auc_70: 0.5325
Epoch 367/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5314 - val_loss: 0.6893 - val_auc_70: 0.5328
Epoch 368/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5313 - val_loss: 0.6895 - val_auc_70: 0.5330
Epoch 369/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5313 - val_loss: 0.6894 - val_auc_70: 0.5341
Epoch 370/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5320 - val_loss: 0.6892 - val_auc_70: 0.5338
Epoch 371/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5318 - val_loss: 0.6894 - val_auc_70: 0.5325
Epoch 372/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6903 -
auc_70: 0.5310 - val_loss: 0.6893 - val_auc_70: 0.5336
Epoch 373/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5315 - val_loss: 0.6896 - val_auc_70: 0.5337
Epoch 374/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5314 - val_loss: 0.6893 - val_auc_70: 0.5325
Epoch 375/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5310 - val_loss: 0.6896 - val_auc_70: 0.5319
Epoch 376/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5314 - val_loss: 0.6895 - val_auc_70: 0.5329
Epoch 377/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5311 - val_loss: 0.6893 - val_auc_70: 0.5319
Epoch 378/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5317 - val_loss: 0.6892 - val_auc_70: 0.5332
Epoch 379/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5307 - val_loss: 0.6894 - val_auc_70: 0.5330
Epoch 380/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5314 - val_loss: 0.6892 - val_auc_70: 0.5329
Epoch 381/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5307 - val_loss: 0.6895 - val_auc_70: 0.5328
Epoch 382/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5314 - val_loss: 0.6893 - val_auc_70: 0.5328
Epoch 383/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5313 - val_loss: 0.6894 - val_auc_70: 0.5328
Epoch 384/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5309 - val_loss: 0.6899 - val_auc_70: 0.5312
Epoch 385/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5307 - val_loss: 0.6897 - val_auc_70: 0.5327
Epoch 386/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5313 - val_loss: 0.6896 - val_auc_70: 0.5303
Epoch 387/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5312 - val_loss: 0.6894 - val_auc_70: 0.5330
Epoch 388/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5321 - val_loss: 0.6923 - val_auc_70: 0.5316
Epoch 389/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5322 - val_loss: 0.6895 - val_auc_70: 0.5325
Epoch 390/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5314 - val_loss: 0.6896 - val_auc_70: 0.5312
Epoch 391/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5312 - val_loss: 0.6898 - val_auc_70: 0.5311
Epoch 392/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5308 - val_loss: 0.6892 - val_auc_70: 0.5311
Epoch 393/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5318 - val_loss: 0.6895 - val_auc_70: 0.5324
Epoch 394/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5315 - val_loss: 0.6893 - val_auc_70: 0.5322
Epoch 395/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5310 - val_loss: 0.6896 - val_auc_70: 0.5307
Epoch 396/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5308 - val_loss: 0.6892 - val_auc_70: 0.5319
Epoch 397/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5317 - val_loss: 0.6893 - val_auc_70: 0.5300
Epoch 398/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5312 - val_loss: 0.6894 - val_auc_70: 0.5320
Epoch 399/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5316 - val_loss: 0.6902 - val_auc_70: 0.5301
Epoch 400/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5314 - val_loss: 0.6893 - val_auc_70: 0.5321
Epoch 401/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5321 - val_loss: 0.6894 - val_auc_70: 0.5316
Epoch 402/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6896 -
auc_70: 0.5310 - val_loss: 0.6893 - val_auc_70: 0.5320
Epoch 403/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5308 - val_loss: 0.6893 - val_auc_70: 0.5306
Epoch 404/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5320 - val_loss: 0.6892 - val_auc_70: 0.5322
Epoch 405/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5314 - val_loss: 0.6896 - val_auc_70: 0.5318
Epoch 406/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6897 -
auc_70: 0.5316 - val_loss: 0.6897 - val_auc_70: 0.5321
Epoch 407/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6897 -
auc_70: 0.5312 - val_loss: 0.6896 - val_auc_70: 0.5320
Epoch 408/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6894 -
auc_70: 0.5321 - val_loss: 0.6896 - val_auc_70: 0.5319
Epoch 409/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6897 -
auc_70: 0.5315 - val_loss: 0.6889 - val_auc_70: 0.5338
Epoch 410/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5314 - val_loss: 0.6894 - val_auc_70: 0.5345
Epoch 411/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5306 - val_loss: 0.6891 - val_auc_70: 0.5337
Epoch 412/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5318 - val_loss: 0.6892 - val_auc_70: 0.5333
Epoch 413/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5321 - val_loss: 0.6896 - val_auc_70: 0.5314
Epoch 414/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5319 - val_loss: 0.6895 - val_auc_70: 0.5339
Epoch 415/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6898 -
auc_70: 0.5311 - val_loss: 0.6891 - val_auc_70: 0.5324
Epoch 416/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5310 - val_loss: 0.6890 - val_auc_70: 0.5317
Epoch 417/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5310 - val_loss: 0.6892 - val_auc_70: 0.5324
Epoch 418/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6898 -
auc_70: 0.5316 - val_loss: 0.6895 - val_auc_70: 0.5341
Epoch 419/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5316 - val_loss: 0.6894 - val_auc_70: 0.5314
Epoch 420/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5315 - val_loss: 0.6890 - val_auc_70: 0.5329
Epoch 421/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5305 - val_loss: 0.6894 - val_auc_70: 0.5281
Epoch 422/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5312 - val_loss: 0.6896 - val_auc_70: 0.5314
Epoch 423/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5313 - val_loss: 0.6895 - val_auc_70: 0.5324
Epoch 424/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5316 - val_loss: 0.6893 - val_auc_70: 0.5324
Epoch 425/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5316 - val_loss: 0.6895 - val_auc_70: 0.5322
Epoch 426/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5318 - val_loss: 0.6895 - val_auc_70: 0.5334
Epoch 427/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5318 - val_loss: 0.6892 - val_auc_70: 0.5321
Epoch 428/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5317 - val_loss: 0.6893 - val_auc_70: 0.5320
Epoch 429/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5319 - val_loss: 0.6895 - val_auc_70: 0.5326
Epoch 430/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5317 - val_loss: 0.6894 - val_auc_70: 0.5318
Epoch 431/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5313 - val_loss: 0.6894 - val_auc_70: 0.5325
Epoch 432/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5323 - val_loss: 0.6891 - val_auc_70: 0.5320
Epoch 433/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5317 - val_loss: 0.6895 - val_auc_70: 0.5324
Epoch 434/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6896 -
auc_70: 0.5315 - val_loss: 0.6893 - val_auc_70: 0.5333
Epoch 435/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5324 - val_loss: 0.6894 - val_auc_70: 0.5336
Epoch 436/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5318 - val_loss: 0.6894 - val_auc_70: 0.5329
Epoch 437/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5325 - val_loss: 0.6893 - val_auc_70: 0.5334
Epoch 438/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5315 - val_loss: 0.6895 - val_auc_70: 0.5336
Epoch 439/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5316 - val_loss: 0.6895 - val_auc_70: 0.5329
Epoch 440/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5319 - val_loss: 0.6895 - val_auc_70: 0.5326
Epoch 441/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5316 - val_loss: 0.6895 - val_auc_70: 0.5306
Epoch 442/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5315 - val_loss: 0.6893 - val_auc_70: 0.5328
Epoch 443/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5325 - val_loss: 0.6891 - val_auc_70: 0.5343
Epoch 444/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5326 - val_loss: 0.6895 - val_auc_70: 0.5309
Epoch 445/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5307 - val_loss: 0.6894 - val_auc_70: 0.5330
Epoch 446/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5315 - val_loss: 0.6889 - val_auc_70: 0.5333
Epoch 447/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5315 - val_loss: 0.6897 - val_auc_70: 0.5316
Epoch 448/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5313 - val_loss: 0.6892 - val_auc_70: 0.5325
Epoch 449/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5325 - val_loss: 0.6893 - val_auc_70: 0.5326
Epoch 450/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5317 - val_loss: 0.6890 - val_auc_70: 0.5337
Epoch 451/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5317 - val_loss: 0.6892 - val_auc_70: 0.5317
Epoch 452/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6897 -
auc_70: 0.5322 - val_loss: 0.6897 - val_auc_70: 0.5329
Epoch 453/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5325 - val_loss: 0.6897 - val_auc_70: 0.5320
Epoch 454/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5318 - val_loss: 0.6891 - val_auc_70: 0.5331
Epoch 455/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5317 - val_loss: 0.6894 - val_auc_70: 0.5320
Epoch 456/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5320 - val_loss: 0.6896 - val_auc_70: 0.5314
Epoch 457/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5315 - val_loss: 0.6907 - val_auc_70: 0.5332
Epoch 458/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5316 - val_loss: 0.6892 - val_auc_70: 0.5314
Epoch 459/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5319 - val_loss: 0.6897 - val_auc_70: 0.5326
Epoch 460/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5320 - val_loss: 0.6891 - val_auc_70: 0.5330
Epoch 461/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5327 - val_loss: 0.6895 - val_auc_70: 0.5312
Epoch 462/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5324 - val_loss: 0.6893 - val_auc_70: 0.5327
Epoch 463/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5315 - val_loss: 0.6893 - val_auc_70: 0.5322
Epoch 464/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5322 - val_loss: 0.6892 - val_auc_70: 0.5320
Epoch 465/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5316 - val_loss: 0.6890 - val_auc_70: 0.5339
Epoch 466/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5320 - val_loss: 0.6894 - val_auc_70: 0.5334
Epoch 467/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6898 -
auc_70: 0.5316 - val_loss: 0.6893 - val_auc_70: 0.5323
Epoch 468/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5324 - val_loss: 0.6891 - val_auc_70: 0.5321
Epoch 469/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5323 - val_loss: 0.6892 - val_auc_70: 0.5339
Epoch 470/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5319 - val_loss: 0.6891 - val_auc_70: 0.5331
Epoch 471/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5323 - val_loss: 0.6892 - val_auc_70: 0.5324
Epoch 472/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5326 - val_loss: 0.6895 - val_auc_70: 0.5328
Epoch 473/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5330 - val_loss: 0.6891 - val_auc_70: 0.5343
Epoch 474/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5322 - val_loss: 0.6891 - val_auc_70: 0.5322
Epoch 475/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6896 -
auc_70: 0.5324 - val_loss: 0.6896 - val_auc_70: 0.5327
Epoch 476/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5327 - val_loss: 0.6890 - val_auc_70: 0.5328
Epoch 477/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5325 - val_loss: 0.6894 - val_auc_70: 0.5328
Epoch 478/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5316 - val_loss: 0.6891 - val_auc_70: 0.5323
Epoch 479/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5322 - val_loss: 0.6895 - val_auc_70: 0.5323
Epoch 480/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5326 - val_loss: 0.6892 - val_auc_70: 0.5340
Epoch 481/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5325 - val_loss: 0.6894 - val_auc_70: 0.5314
Epoch 482/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5325 - val_loss: 0.6895 - val_auc_70: 0.5310
Epoch 483/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5321 - val_loss: 0.6891 - val_auc_70: 0.5327
Epoch 484/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5317 - val_loss: 0.6893 - val_auc_70: 0.5325
Epoch 485/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6894 -
auc_70: 0.5319 - val_loss: 0.6891 - val_auc_70: 0.5315
Epoch 486/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6895 -
auc_70: 0.5319 - val_loss: 0.6893 - val_auc_70: 0.5336
Epoch 487/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6894 -
auc_70: 0.5328 - val_loss: 0.6891 - val_auc_70: 0.5336
Epoch 488/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5329 - val_loss: 0.6895 - val_auc_70: 0.5326
Epoch 489/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6892 -
auc_70: 0.5321 - val_loss: 0.6896 - val_auc_70: 0.5323
Epoch 490/1000

3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5319 - val_loss: 0.6892 - val_auc_70: 0.5320
Epoch 491/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5321 - val_loss: 0.6894 - val_auc_70: 0.5320
Epoch 492/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6896 -
auc_70: 0.5320 - val_loss: 0.6889 - val_auc_70: 0.5326
Epoch 493/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6895 -
auc_70: 0.5316 - val_loss: 0.6891 - val_auc_70: 0.5326
Epoch 494/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6895 -
auc_70: 0.5322 - val_loss: 0.6891 - val_auc_70: 0.5322
Epoch 495/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6895 -
auc_70: 0.5320 - val_loss: 0.6890 - val_auc_70: 0.5321
Epoch 496/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6896 -
auc_70: 0.5325 - val_loss: 0.6891 - val_auc_70: 0.5335
Epoch 497/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5328 - val_loss: 0.6890 - val_auc_70: 0.5344
Epoch 498/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5328 - val_loss: 0.6890 - val_auc_70: 0.5322
Epoch 499/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5324 - val_loss: 0.6889 - val_auc_70: 0.5323
Epoch 500/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6896 -
auc_70: 0.5323 - val_loss: 0.6892 - val_auc_70: 0.5318
Epoch 501/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5326 - val_loss: 0.6891 - val_auc_70: 0.5344
Epoch 502/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5336 - val_loss: 0.6895 - val_auc_70: 0.5346
Epoch 503/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5328 - val_loss: 0.6894 - val_auc_70: 0.5336
Epoch 504/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5325 - val_loss: 0.6890 - val_auc_70: 0.5339
Epoch 505/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6895 -
auc_70: 0.5319 - val_loss: 0.6892 - val_auc_70: 0.5316
Epoch 506/1000

3715/3715 [=====] - 11s 3ms/step - loss: 0.6892 -
auc_70: 0.5327 - val_loss: 0.6893 - val_auc_70: 0.5320
Epoch 507/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6895 -
auc_70: 0.5319 - val_loss: 0.6888 - val_auc_70: 0.5333
Epoch 508/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5317 - val_loss: 0.6892 - val_auc_70: 0.5327
Epoch 509/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5314 - val_loss: 0.6890 - val_auc_70: 0.5321
Epoch 510/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5324 - val_loss: 0.6894 - val_auc_70: 0.5326
Epoch 511/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5316 - val_loss: 0.6891 - val_auc_70: 0.5324
Epoch 512/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5325 - val_loss: 0.6892 - val_auc_70: 0.5328
Epoch 513/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5324 - val_loss: 0.6890 - val_auc_70: 0.5320
Epoch 514/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5310 - val_loss: 0.6896 - val_auc_70: 0.5317
Epoch 515/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5316 - val_loss: 0.6893 - val_auc_70: 0.5318
Epoch 516/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5325 - val_loss: 0.6892 - val_auc_70: 0.5318
Epoch 517/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5321 - val_loss: 0.6887 - val_auc_70: 0.5329
Epoch 518/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5328 - val_loss: 0.6892 - val_auc_70: 0.5330
Epoch 519/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5325 - val_loss: 0.6889 - val_auc_70: 0.5333
Epoch 520/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5325 - val_loss: 0.6892 - val_auc_70: 0.5327
Epoch 521/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5326 - val_loss: 0.6892 - val_auc_70: 0.5331
Epoch 522/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5328 - val_loss: 0.6891 - val_auc_70: 0.5321
Epoch 523/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5320 - val_loss: 0.6888 - val_auc_70: 0.5335
Epoch 524/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6899 -
auc_70: 0.5324 - val_loss: 0.6891 - val_auc_70: 0.5337
Epoch 525/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5317 - val_loss: 0.6894 - val_auc_70: 0.5318
Epoch 526/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5328 - val_loss: 0.6892 - val_auc_70: 0.5341
Epoch 527/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5330 - val_loss: 0.6891 - val_auc_70: 0.5325
Epoch 528/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5324 - val_loss: 0.6895 - val_auc_70: 0.5319
Epoch 529/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5323 - val_loss: 0.6890 - val_auc_70: 0.5317
Epoch 530/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5315 - val_loss: 0.6895 - val_auc_70: 0.5312
Epoch 531/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5320 - val_loss: 0.6895 - val_auc_70: 0.5327
Epoch 532/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5317 - val_loss: 0.6889 - val_auc_70: 0.5341
Epoch 533/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5328 - val_loss: 0.6890 - val_auc_70: 0.5338
Epoch 534/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5322 - val_loss: 0.6892 - val_auc_70: 0.5329
Epoch 535/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5327 - val_loss: 0.6896 - val_auc_70: 0.5328
Epoch 536/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5319 - val_loss: 0.6890 - val_auc_70: 0.5329
Epoch 537/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5320 - val_loss: 0.6889 - val_auc_70: 0.5339
Epoch 538/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5327 - val_loss: 0.6893 - val_auc_70: 0.5323
Epoch 539/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5326 - val_loss: 0.6891 - val_auc_70: 0.5341
Epoch 540/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5332 - val_loss: 0.6893 - val_auc_70: 0.5334
Epoch 541/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5326 - val_loss: 0.6888 - val_auc_70: 0.5336
Epoch 542/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5322 - val_loss: 0.6891 - val_auc_70: 0.5322
Epoch 543/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5324 - val_loss: 0.6891 - val_auc_70: 0.5335
Epoch 544/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5324 - val_loss: 0.6887 - val_auc_70: 0.5336
Epoch 545/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5322 - val_loss: 0.6893 - val_auc_70: 0.5319
Epoch 546/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5328 - val_loss: 0.6890 - val_auc_70: 0.5335
Epoch 547/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5330 - val_loss: 0.6889 - val_auc_70: 0.5332
Epoch 548/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5329 - val_loss: 0.6892 - val_auc_70: 0.5338
Epoch 549/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6892 -
auc_70: 0.5323 - val_loss: 0.6896 - val_auc_70: 0.5332
Epoch 550/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6889 -
auc_70: 0.5333 - val_loss: 0.6890 - val_auc_70: 0.5334
Epoch 551/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6892 -
auc_70: 0.5324 - val_loss: 0.6890 - val_auc_70: 0.5339
Epoch 552/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6892 -
auc_70: 0.5330 - val_loss: 0.6888 - val_auc_70: 0.5314
Epoch 553/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6891 -
auc_70: 0.5332 - val_loss: 0.6892 - val_auc_70: 0.5340
Epoch 554/1000

3715/3715 [=====] - 11s 3ms/step - loss: 0.6894 -
auc_70: 0.5323 - val_loss: 0.6888 - val_auc_70: 0.5337
Epoch 555/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6896 -
auc_70: 0.5318 - val_loss: 0.6889 - val_auc_70: 0.5318
Epoch 556/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6891 -
auc_70: 0.5328 - val_loss: 0.6897 - val_auc_70: 0.5305
Epoch 557/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5322 - val_loss: 0.6892 - val_auc_70: 0.5313
Epoch 558/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5328 - val_loss: 0.6889 - val_auc_70: 0.5323
Epoch 559/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6895 -
auc_70: 0.5321 - val_loss: 0.6890 - val_auc_70: 0.5332
Epoch 560/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5314 - val_loss: 0.6894 - val_auc_70: 0.5331
Epoch 561/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6894 -
auc_70: 0.5316 - val_loss: 0.6892 - val_auc_70: 0.5314
Epoch 562/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6894 -
auc_70: 0.5328 - val_loss: 0.6891 - val_auc_70: 0.5329
Epoch 563/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5327 - val_loss: 0.6886 - val_auc_70: 0.5343
Epoch 564/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5325 - val_loss: 0.6890 - val_auc_70: 0.5323
Epoch 565/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5322 - val_loss: 0.6891 - val_auc_70: 0.5321
Epoch 566/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5325 - val_loss: 0.6899 - val_auc_70: 0.5317
Epoch 567/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6896 -
auc_70: 0.5311 - val_loss: 0.6890 - val_auc_70: 0.5330
Epoch 568/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5316 - val_loss: 0.6889 - val_auc_70: 0.5317
Epoch 569/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5323 - val_loss: 0.6892 - val_auc_70: 0.5321
Epoch 570/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5319 - val_loss: 0.6891 - val_auc_70: 0.5325
Epoch 571/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6892 -
auc_70: 0.5329 - val_loss: 0.6892 - val_auc_70: 0.5322
Epoch 572/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5328 - val_loss: 0.6890 - val_auc_70: 0.5323
Epoch 573/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5320 - val_loss: 0.6891 - val_auc_70: 0.5331
Epoch 574/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5339 - val_loss: 0.6888 - val_auc_70: 0.5344
Epoch 575/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5320 - val_loss: 0.6891 - val_auc_70: 0.5337
Epoch 576/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5338 - val_loss: 0.6891 - val_auc_70: 0.5324
Epoch 577/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5325 - val_loss: 0.6893 - val_auc_70: 0.5338
Epoch 578/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5326 - val_loss: 0.6889 - val_auc_70: 0.5323
Epoch 579/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5323 - val_loss: 0.6890 - val_auc_70: 0.5313
Epoch 580/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5326 - val_loss: 0.6908 - val_auc_70: 0.5335
Epoch 581/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5327 - val_loss: 0.6891 - val_auc_70: 0.5313
Epoch 582/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5321 - val_loss: 0.6888 - val_auc_70: 0.5323
Epoch 583/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5310 - val_loss: 0.6894 - val_auc_70: 0.5319
Epoch 584/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5332 - val_loss: 0.6892 - val_auc_70: 0.5340
Epoch 585/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5325 - val_loss: 0.6889 - val_auc_70: 0.5333
Epoch 586/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5322 - val_loss: 0.6893 - val_auc_70: 0.5323
Epoch 587/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5315 - val_loss: 0.6895 - val_auc_70: 0.5332
Epoch 588/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5327 - val_loss: 0.6888 - val_auc_70: 0.5339
Epoch 589/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5330 - val_loss: 0.6891 - val_auc_70: 0.5336
Epoch 590/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5327 - val_loss: 0.6887 - val_auc_70: 0.5333
Epoch 591/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5325 - val_loss: 0.6890 - val_auc_70: 0.5331
Epoch 592/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5322 - val_loss: 0.6891 - val_auc_70: 0.5332
Epoch 593/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5319 - val_loss: 0.6885 - val_auc_70: 0.5338
Epoch 594/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5331 - val_loss: 0.6887 - val_auc_70: 0.5340
Epoch 595/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5326 - val_loss: 0.6890 - val_auc_70: 0.5310
Epoch 596/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5320 - val_loss: 0.6891 - val_auc_70: 0.5327
Epoch 597/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5333 - val_loss: 0.6890 - val_auc_70: 0.5334
Epoch 598/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5329 - val_loss: 0.6889 - val_auc_70: 0.5327
Epoch 599/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5329 - val_loss: 0.6887 - val_auc_70: 0.5330
Epoch 600/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5329 - val_loss: 0.6890 - val_auc_70: 0.5318
Epoch 601/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5331 - val_loss: 0.6892 - val_auc_70: 0.5307
Epoch 602/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5338 - val_loss: 0.6892 - val_auc_70: 0.5322
Epoch 603/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5334 - val_loss: 0.6892 - val_auc_70: 0.5336
Epoch 604/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5329 - val_loss: 0.6894 - val_auc_70: 0.5325
Epoch 605/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5333 - val_loss: 0.6894 - val_auc_70: 0.5311
Epoch 606/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5332 - val_loss: 0.6889 - val_auc_70: 0.5326
Epoch 607/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5326 - val_loss: 0.6893 - val_auc_70: 0.5341
Epoch 608/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5329 - val_loss: 0.6888 - val_auc_70: 0.5353
Epoch 609/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5332 - val_loss: 0.6890 - val_auc_70: 0.5327
Epoch 610/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5323 - val_loss: 0.6885 - val_auc_70: 0.5342
Epoch 611/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5334 - val_loss: 0.6893 - val_auc_70: 0.5328
Epoch 612/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5335 - val_loss: 0.6891 - val_auc_70: 0.5323
Epoch 613/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5321 - val_loss: 0.6892 - val_auc_70: 0.5319
Epoch 614/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5322 - val_loss: 0.6891 - val_auc_70: 0.5322
Epoch 615/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5334 - val_loss: 0.6890 - val_auc_70: 0.5335
Epoch 616/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6889 -
auc_70: 0.5325 - val_loss: 0.6892 - val_auc_70: 0.5314
Epoch 617/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5322 - val_loss: 0.6897 - val_auc_70: 0.5337
Epoch 618/1000

3715/3715 [=====] - 11s 3ms/step - loss: 0.6891 -
auc_70: 0.5321 - val_loss: 0.6892 - val_auc_70: 0.5324
Epoch 619/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6892 -
auc_70: 0.5331 - val_loss: 0.6891 - val_auc_70: 0.5320
Epoch 620/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5333 - val_loss: 0.6890 - val_auc_70: 0.5334
Epoch 621/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5327 - val_loss: 0.6888 - val_auc_70: 0.5340
Epoch 622/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5317 - val_loss: 0.6892 - val_auc_70: 0.5317
Epoch 623/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5325 - val_loss: 0.6891 - val_auc_70: 0.5335
Epoch 624/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5333 - val_loss: 0.6898 - val_auc_70: 0.5326
Epoch 625/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6891 -
auc_70: 0.5334 - val_loss: 0.6891 - val_auc_70: 0.5325
Epoch 626/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5321 - val_loss: 0.6887 - val_auc_70: 0.5334
Epoch 627/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5325 - val_loss: 0.6893 - val_auc_70: 0.5314
Epoch 628/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5332 - val_loss: 0.6890 - val_auc_70: 0.5330
Epoch 629/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5325 - val_loss: 0.6893 - val_auc_70: 0.5321
Epoch 630/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5325 - val_loss: 0.6893 - val_auc_70: 0.5316
Epoch 631/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5326 - val_loss: 0.6898 - val_auc_70: 0.5321
Epoch 632/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5325 - val_loss: 0.6891 - val_auc_70: 0.5322
Epoch 633/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5329 - val_loss: 0.6889 - val_auc_70: 0.5350
Epoch 634/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5330 - val_loss: 0.6885 - val_auc_70: 0.5342
Epoch 635/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5325 - val_loss: 0.6887 - val_auc_70: 0.5321
Epoch 636/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6892 -
auc_70: 0.5318 - val_loss: 0.6890 - val_auc_70: 0.5320
Epoch 637/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5327 - val_loss: 0.6889 - val_auc_70: 0.5341
Epoch 638/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6892 -
auc_70: 0.5322 - val_loss: 0.6890 - val_auc_70: 0.5328
Epoch 639/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5326 - val_loss: 0.6890 - val_auc_70: 0.5307
Epoch 640/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6892 -
auc_70: 0.5325 - val_loss: 0.6891 - val_auc_70: 0.5317
Epoch 641/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5333 - val_loss: 0.6887 - val_auc_70: 0.5333
Epoch 642/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6891 -
auc_70: 0.5324 - val_loss: 0.6892 - val_auc_70: 0.5322
Epoch 643/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5320 - val_loss: 0.6892 - val_auc_70: 0.5303
Epoch 644/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5328 - val_loss: 0.6893 - val_auc_70: 0.5317
Epoch 645/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5326 - val_loss: 0.6888 - val_auc_70: 0.5324
Epoch 646/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5330 - val_loss: 0.6890 - val_auc_70: 0.5330
Epoch 647/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5325 - val_loss: 0.6887 - val_auc_70: 0.5334
Epoch 648/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6889 -
auc_70: 0.5340 - val_loss: 0.6889 - val_auc_70: 0.5349
Epoch 649/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6891 -
auc_70: 0.5324 - val_loss: 0.6887 - val_auc_70: 0.5342
Epoch 650/1000

3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5331 - val_loss: 0.6891 - val_auc_70: 0.5336
Epoch 651/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5324 - val_loss: 0.6889 - val_auc_70: 0.5328
Epoch 652/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5329 - val_loss: 0.6895 - val_auc_70: 0.5304
Epoch 653/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5336 - val_loss: 0.6891 - val_auc_70: 0.5337
Epoch 654/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5329 - val_loss: 0.6890 - val_auc_70: 0.5339
Epoch 655/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5330 - val_loss: 0.6889 - val_auc_70: 0.5324
Epoch 656/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5336 - val_loss: 0.6891 - val_auc_70: 0.5331
Epoch 657/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5333 - val_loss: 0.6894 - val_auc_70: 0.5327
Epoch 658/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5325 - val_loss: 0.6891 - val_auc_70: 0.5346
Epoch 659/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5314 - val_loss: 0.6889 - val_auc_70: 0.5343
Epoch 660/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5338 - val_loss: 0.6898 - val_auc_70: 0.5299
Epoch 661/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5331 - val_loss: 0.6891 - val_auc_70: 0.5333
Epoch 662/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5329 - val_loss: 0.6890 - val_auc_70: 0.5340
Epoch 663/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5331 - val_loss: 0.6885 - val_auc_70: 0.5343
Epoch 664/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5326 - val_loss: 0.6888 - val_auc_70: 0.5324
Epoch 665/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5324 - val_loss: 0.6886 - val_auc_70: 0.5335
Epoch 666/1000

3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5334 - val_loss: 0.6889 - val_auc_70: 0.5330
Epoch 667/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5327 - val_loss: 0.6890 - val_auc_70: 0.5326
Epoch 668/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5326 - val_loss: 0.6885 - val_auc_70: 0.5317
Epoch 669/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5325 - val_loss: 0.6891 - val_auc_70: 0.5338
Epoch 670/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5327 - val_loss: 0.6890 - val_auc_70: 0.5324
Epoch 671/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5324 - val_loss: 0.6890 - val_auc_70: 0.5336
Epoch 672/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5325 - val_loss: 0.6893 - val_auc_70: 0.5327
Epoch 673/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5337 - val_loss: 0.6890 - val_auc_70: 0.5344
Epoch 674/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6894 -
auc_70: 0.5323 - val_loss: 0.6884 - val_auc_70: 0.5315
Epoch 675/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6895 -
auc_70: 0.5322 - val_loss: 0.6890 - val_auc_70: 0.5336
Epoch 676/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5328 - val_loss: 0.6887 - val_auc_70: 0.5319
Epoch 677/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5331 - val_loss: 0.6893 - val_auc_70: 0.5332
Epoch 678/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5331 - val_loss: 0.6889 - val_auc_70: 0.5346
Epoch 679/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5341 - val_loss: 0.6895 - val_auc_70: 0.5335
Epoch 680/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5330 - val_loss: 0.6893 - val_auc_70: 0.5337
Epoch 681/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5326 - val_loss: 0.6891 - val_auc_70: 0.5317
Epoch 682/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5326 - val_loss: 0.6888 - val_auc_70: 0.5346
Epoch 683/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5330 - val_loss: 0.6890 - val_auc_70: 0.5339
Epoch 684/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5325 - val_loss: 0.6888 - val_auc_70: 0.5336
Epoch 685/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6891 -
auc_70: 0.5325 - val_loss: 0.6888 - val_auc_70: 0.5339
Epoch 686/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5338 - val_loss: 0.6890 - val_auc_70: 0.5332
Epoch 687/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5331 - val_loss: 0.6891 - val_auc_70: 0.5328
Epoch 688/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5333 - val_loss: 0.6889 - val_auc_70: 0.5332
Epoch 689/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5329 - val_loss: 0.6887 - val_auc_70: 0.5332
Epoch 690/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6900 -
auc_70: 0.5305 - val_loss: 0.6892 - val_auc_70: 0.5324
Epoch 691/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5322 - val_loss: 0.6887 - val_auc_70: 0.5338
Epoch 692/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5338 - val_loss: 0.6888 - val_auc_70: 0.5326
Epoch 693/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5332 - val_loss: 0.6889 - val_auc_70: 0.5334
Epoch 694/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5329 - val_loss: 0.6891 - val_auc_70: 0.5338
Epoch 695/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5320 - val_loss: 0.6885 - val_auc_70: 0.5336
Epoch 696/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6889 -
auc_70: 0.5334 - val_loss: 0.6895 - val_auc_70: 0.5329
Epoch 697/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5324 - val_loss: 0.6887 - val_auc_70: 0.5332
Epoch 698/1000

3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5330 - val_loss: 0.6889 - val_auc_70: 0.5320
Epoch 699/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6891 -
auc_70: 0.5341 - val_loss: 0.6891 - val_auc_70: 0.5343
Epoch 700/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5326 - val_loss: 0.6888 - val_auc_70: 0.5314
Epoch 701/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5325 - val_loss: 0.6890 - val_auc_70: 0.5326
Epoch 702/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6891 -
auc_70: 0.5325 - val_loss: 0.6889 - val_auc_70: 0.5330
Epoch 703/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5323 - val_loss: 0.6891 - val_auc_70: 0.5337
Epoch 704/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5334 - val_loss: 0.6892 - val_auc_70: 0.5333
Epoch 705/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5326 - val_loss: 0.6889 - val_auc_70: 0.5330
Epoch 706/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5323 - val_loss: 0.6892 - val_auc_70: 0.5319
Epoch 707/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5328 - val_loss: 0.6892 - val_auc_70: 0.5330
Epoch 708/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5325 - val_loss: 0.6894 - val_auc_70: 0.5318
Epoch 709/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6892 -
auc_70: 0.5331 - val_loss: 0.6896 - val_auc_70: 0.5315
Epoch 710/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5335 - val_loss: 0.6889 - val_auc_70: 0.5327
Epoch 711/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5326 - val_loss: 0.6888 - val_auc_70: 0.5323
Epoch 712/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5324 - val_loss: 0.6888 - val_auc_70: 0.5326
Epoch 713/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5335 - val_loss: 0.6887 - val_auc_70: 0.5326
Epoch 714/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5324 - val_loss: 0.6884 - val_auc_70: 0.5327
Epoch 715/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6892 -
auc_70: 0.5323 - val_loss: 0.6889 - val_auc_70: 0.5341
Epoch 716/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5333 - val_loss: 0.6890 - val_auc_70: 0.5332
Epoch 717/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6889 -
auc_70: 0.5330 - val_loss: 0.6889 - val_auc_70: 0.5329
Epoch 718/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6889 -
auc_70: 0.5336 - val_loss: 0.6887 - val_auc_70: 0.5330
Epoch 719/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5328 - val_loss: 0.6886 - val_auc_70: 0.5333
Epoch 720/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5331 - val_loss: 0.6889 - val_auc_70: 0.5341
Epoch 721/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5331 - val_loss: 0.6888 - val_auc_70: 0.5339
Epoch 722/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5329 - val_loss: 0.6887 - val_auc_70: 0.5331
Epoch 723/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5327 - val_loss: 0.6893 - val_auc_70: 0.5321
Epoch 724/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5330 - val_loss: 0.6892 - val_auc_70: 0.5334
Epoch 725/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5333 - val_loss: 0.6887 - val_auc_70: 0.5325
Epoch 726/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5323 - val_loss: 0.6888 - val_auc_70: 0.5338
Epoch 727/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5335 - val_loss: 0.6891 - val_auc_70: 0.5352
Epoch 728/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5337 - val_loss: 0.6893 - val_auc_70: 0.5328
Epoch 729/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5327 - val_loss: 0.6889 - val_auc_70: 0.5336
Epoch 730/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5328 - val_loss: 0.6890 - val_auc_70: 0.5340
Epoch 731/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5329 - val_loss: 0.6887 - val_auc_70: 0.5325
Epoch 732/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5330 - val_loss: 0.6888 - val_auc_70: 0.5332
Epoch 733/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5330 - val_loss: 0.6891 - val_auc_70: 0.5338
Epoch 734/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5326 - val_loss: 0.6890 - val_auc_70: 0.5325
Epoch 735/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5325 - val_loss: 0.6889 - val_auc_70: 0.5327
Epoch 736/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5325 - val_loss: 0.6894 - val_auc_70: 0.5325
Epoch 737/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5324 - val_loss: 0.6887 - val_auc_70: 0.5338
Epoch 738/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5330 - val_loss: 0.6886 - val_auc_70: 0.5345
Epoch 739/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5330 - val_loss: 0.6893 - val_auc_70: 0.5315
Epoch 740/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5331 - val_loss: 0.6890 - val_auc_70: 0.5348
Epoch 741/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5333 - val_loss: 0.6888 - val_auc_70: 0.5335
Epoch 742/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5326 - val_loss: 0.6883 - val_auc_70: 0.5344
Epoch 743/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5332 - val_loss: 0.6890 - val_auc_70: 0.5322
Epoch 744/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5324 - val_loss: 0.6891 - val_auc_70: 0.5302
Epoch 745/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5330 - val_loss: 0.6889 - val_auc_70: 0.5325
Epoch 746/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5320 - val_loss: 0.6888 - val_auc_70: 0.5323
Epoch 747/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5336 - val_loss: 0.6889 - val_auc_70: 0.5342
Epoch 748/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5330 - val_loss: 0.6887 - val_auc_70: 0.5334
Epoch 749/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5329 - val_loss: 0.6888 - val_auc_70: 0.5324
Epoch 750/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5328 - val_loss: 0.6889 - val_auc_70: 0.5328
Epoch 751/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5333 - val_loss: 0.6887 - val_auc_70: 0.5330
Epoch 752/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5324 - val_loss: 0.6890 - val_auc_70: 0.5333
Epoch 753/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5330 - val_loss: 0.6888 - val_auc_70: 0.5338
Epoch 754/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5332 - val_loss: 0.6887 - val_auc_70: 0.5332
Epoch 755/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5331 - val_loss: 0.6887 - val_auc_70: 0.5338
Epoch 756/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5330 - val_loss: 0.6889 - val_auc_70: 0.5333
Epoch 757/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5325 - val_loss: 0.6894 - val_auc_70: 0.5315
Epoch 758/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5326 - val_loss: 0.6891 - val_auc_70: 0.5324
Epoch 759/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5324 - val_loss: 0.6893 - val_auc_70: 0.5328
Epoch 760/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6889 -
auc_70: 0.5327 - val_loss: 0.6893 - val_auc_70: 0.5319
Epoch 761/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5332 - val_loss: 0.6893 - val_auc_70: 0.5315
Epoch 762/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5324 - val_loss: 0.6890 - val_auc_70: 0.5328
Epoch 763/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5322 - val_loss: 0.6884 - val_auc_70: 0.5321
Epoch 764/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5324 - val_loss: 0.6893 - val_auc_70: 0.5320
Epoch 765/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5329 - val_loss: 0.6891 - val_auc_70: 0.5308
Epoch 766/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5324 - val_loss: 0.6887 - val_auc_70: 0.5315
Epoch 767/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6887 -
auc_70: 0.5333 - val_loss: 0.6886 - val_auc_70: 0.5335
Epoch 768/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5332 - val_loss: 0.6886 - val_auc_70: 0.5340
Epoch 769/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5337 - val_loss: 0.6886 - val_auc_70: 0.5335
Epoch 770/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5335 - val_loss: 0.6888 - val_auc_70: 0.5346
Epoch 771/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5325 - val_loss: 0.6889 - val_auc_70: 0.5328
Epoch 772/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5343 - val_loss: 0.6890 - val_auc_70: 0.5346
Epoch 773/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5332 - val_loss: 0.6886 - val_auc_70: 0.5339
Epoch 774/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6891 -
auc_70: 0.5329 - val_loss: 0.6886 - val_auc_70: 0.5332
Epoch 775/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6887 -
auc_70: 0.5323 - val_loss: 0.6885 - val_auc_70: 0.5340
Epoch 776/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5324 - val_loss: 0.6887 - val_auc_70: 0.5333
Epoch 777/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5332 - val_loss: 0.6888 - val_auc_70: 0.5327
Epoch 778/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5330 - val_loss: 0.6886 - val_auc_70: 0.5339
Epoch 779/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5332 - val_loss: 0.6889 - val_auc_70: 0.5319
Epoch 780/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5333 - val_loss: 0.6898 - val_auc_70: 0.5309
Epoch 781/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5327 - val_loss: 0.6885 - val_auc_70: 0.5342
Epoch 782/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5332 - val_loss: 0.6888 - val_auc_70: 0.5342
Epoch 783/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5333 - val_loss: 0.6888 - val_auc_70: 0.5337
Epoch 784/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5333 - val_loss: 0.6887 - val_auc_70: 0.5334
Epoch 785/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5328 - val_loss: 0.6888 - val_auc_70: 0.5333
Epoch 786/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5335 - val_loss: 0.6888 - val_auc_70: 0.5336
Epoch 787/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5336 - val_loss: 0.6885 - val_auc_70: 0.5344
Epoch 788/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5322 - val_loss: 0.6885 - val_auc_70: 0.5325
Epoch 789/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5330 - val_loss: 0.6885 - val_auc_70: 0.5344
Epoch 790/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5331 - val_loss: 0.6886 - val_auc_70: 0.5329
Epoch 791/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6887 -
auc_70: 0.5324 - val_loss: 0.6884 - val_auc_70: 0.5343
Epoch 792/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5324 - val_loss: 0.6887 - val_auc_70: 0.5346
Epoch 793/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5326 - val_loss: 0.6887 - val_auc_70: 0.5335
Epoch 794/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5323 - val_loss: 0.6892 - val_auc_70: 0.5322
Epoch 795/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5334 - val_loss: 0.6890 - val_auc_70: 0.5330
Epoch 796/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5325 - val_loss: 0.6891 - val_auc_70: 0.5328
Epoch 797/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5325 - val_loss: 0.6890 - val_auc_70: 0.5333
Epoch 798/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5330 - val_loss: 0.6886 - val_auc_70: 0.5327
Epoch 799/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5331 - val_loss: 0.6886 - val_auc_70: 0.5335
Epoch 800/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5330 - val_loss: 0.6888 - val_auc_70: 0.5339
Epoch 801/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5334 - val_loss: 0.6887 - val_auc_70: 0.5331
Epoch 802/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5333 - val_loss: 0.6888 - val_auc_70: 0.5334
Epoch 803/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5331 - val_loss: 0.6890 - val_auc_70: 0.5328
Epoch 804/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5330 - val_loss: 0.6886 - val_auc_70: 0.5318
Epoch 805/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5330 - val_loss: 0.6885 - val_auc_70: 0.5341
Epoch 806/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5340 - val_loss: 0.6883 - val_auc_70: 0.5355
Epoch 807/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5339 - val_loss: 0.6913 - val_auc_70: 0.5337
Epoch 808/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5337 - val_loss: 0.6888 - val_auc_70: 0.5333
Epoch 809/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5324 - val_loss: 0.6883 - val_auc_70: 0.5344
Epoch 810/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5333 - val_loss: 0.6886 - val_auc_70: 0.5334
Epoch 811/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5340 - val_loss: 0.6889 - val_auc_70: 0.5306
Epoch 812/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6887 -
auc_70: 0.5336 - val_loss: 0.6883 - val_auc_70: 0.5348
Epoch 813/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6887 -
auc_70: 0.5327 - val_loss: 0.6886 - val_auc_70: 0.5327
Epoch 814/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6889 -
auc_70: 0.5328 - val_loss: 0.6887 - val_auc_70: 0.5336
Epoch 815/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6887 -
auc_70: 0.5335 - val_loss: 0.6884 - val_auc_70: 0.5332
Epoch 816/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6885 -
auc_70: 0.5336 - val_loss: 0.6887 - val_auc_70: 0.5336
Epoch 817/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6889 -
auc_70: 0.5337 - val_loss: 0.6888 - val_auc_70: 0.5345
Epoch 818/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6885 -
auc_70: 0.5344 - val_loss: 0.6894 - val_auc_70: 0.5325
Epoch 819/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6889 -
auc_70: 0.5326 - val_loss: 0.6889 - val_auc_70: 0.5343
Epoch 820/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6894 -
auc_70: 0.5327 - val_loss: 0.6886 - val_auc_70: 0.5344
Epoch 821/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5331 - val_loss: 0.6886 - val_auc_70: 0.5339
Epoch 822/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5329 - val_loss: 0.6888 - val_auc_70: 0.5322
Epoch 823/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5331 - val_loss: 0.6883 - val_auc_70: 0.5335
Epoch 824/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5324 - val_loss: 0.6889 - val_auc_70: 0.5321
Epoch 825/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6887 -
auc_70: 0.5328 - val_loss: 0.6889 - val_auc_70: 0.5326
Epoch 826/1000

3715/3715 [=====] - 11s 3ms/step - loss: 0.6889 -
auc_70: 0.5324 - val_loss: 0.6890 - val_auc_70: 0.5334
Epoch 827/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5329 - val_loss: 0.6886 - val_auc_70: 0.5340
Epoch 828/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5332 - val_loss: 0.6893 - val_auc_70: 0.5325
Epoch 829/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5321 - val_loss: 0.6886 - val_auc_70: 0.5339
Epoch 830/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6887 -
auc_70: 0.5332 - val_loss: 0.6886 - val_auc_70: 0.5343
Epoch 831/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5336 - val_loss: 0.6887 - val_auc_70: 0.5322
Epoch 832/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6900 -
auc_70: 0.5322 - val_loss: 0.6889 - val_auc_70: 0.5324
Epoch 833/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5330 - val_loss: 0.6886 - val_auc_70: 0.5323
Epoch 834/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5325 - val_loss: 0.6883 - val_auc_70: 0.5340
Epoch 835/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6891 -
auc_70: 0.5333 - val_loss: 0.6888 - val_auc_70: 0.5331
Epoch 836/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5326 - val_loss: 0.6885 - val_auc_70: 0.5334
Epoch 837/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5326 - val_loss: 0.6891 - val_auc_70: 0.5339
Epoch 838/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5330 - val_loss: 0.6888 - val_auc_70: 0.5338
Epoch 839/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5329 - val_loss: 0.6887 - val_auc_70: 0.5329
Epoch 840/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5323 - val_loss: 0.6883 - val_auc_70: 0.5336
Epoch 841/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5326 - val_loss: 0.6887 - val_auc_70: 0.5331
Epoch 842/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5325 - val_loss: 0.6888 - val_auc_70: 0.5326
Epoch 843/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5331 - val_loss: 0.6888 - val_auc_70: 0.5331
Epoch 844/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5330 - val_loss: 0.6892 - val_auc_70: 0.5340
Epoch 845/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5329 - val_loss: 0.6885 - val_auc_70: 0.5344
Epoch 846/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6893 -
auc_70: 0.5325 - val_loss: 0.6887 - val_auc_70: 0.5324
Epoch 847/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5338 - val_loss: 0.6886 - val_auc_70: 0.5340
Epoch 848/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5327 - val_loss: 0.6887 - val_auc_70: 0.5332
Epoch 849/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5331 - val_loss: 0.6888 - val_auc_70: 0.5325
Epoch 850/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5323 - val_loss: 0.6888 - val_auc_70: 0.5346
Epoch 851/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5334 - val_loss: 0.6890 - val_auc_70: 0.5330
Epoch 852/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5338 - val_loss: 0.6889 - val_auc_70: 0.5326
Epoch 853/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5336 - val_loss: 0.6889 - val_auc_70: 0.5329
Epoch 854/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5327 - val_loss: 0.6886 - val_auc_70: 0.5334
Epoch 855/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5337 - val_loss: 0.6884 - val_auc_70: 0.5344
Epoch 856/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5331 - val_loss: 0.6886 - val_auc_70: 0.5340
Epoch 857/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6885 -
auc_70: 0.5329 - val_loss: 0.6887 - val_auc_70: 0.5345
Epoch 858/1000

3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5331 - val_loss: 0.6887 - val_auc_70: 0.5340
Epoch 859/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5337 - val_loss: 0.6889 - val_auc_70: 0.5321
Epoch 860/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5332 - val_loss: 0.6888 - val_auc_70: 0.5315
Epoch 861/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5333 - val_loss: 0.6885 - val_auc_70: 0.5342
Epoch 862/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5329 - val_loss: 0.6891 - val_auc_70: 0.5342
Epoch 863/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5330 - val_loss: 0.6890 - val_auc_70: 0.5334
Epoch 864/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5331 - val_loss: 0.6888 - val_auc_70: 0.5334
Epoch 865/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5336 - val_loss: 0.6884 - val_auc_70: 0.5338
Epoch 866/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5324 - val_loss: 0.6888 - val_auc_70: 0.5344
Epoch 867/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6885 -
auc_70: 0.5334 - val_loss: 0.6884 - val_auc_70: 0.5330
Epoch 868/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5337 - val_loss: 0.6887 - val_auc_70: 0.5335
Epoch 869/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5321 - val_loss: 0.6890 - val_auc_70: 0.5335
Epoch 870/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6890 -
auc_70: 0.5328 - val_loss: 0.6885 - val_auc_70: 0.5341
Epoch 871/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5329 - val_loss: 0.6884 - val_auc_70: 0.5338
Epoch 872/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5329 - val_loss: 0.6886 - val_auc_70: 0.5332
Epoch 873/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5324 - val_loss: 0.6885 - val_auc_70: 0.5355
Epoch 874/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5329 - val_loss: 0.6884 - val_auc_70: 0.5344
Epoch 875/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5340 - val_loss: 0.6885 - val_auc_70: 0.5330
Epoch 876/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5328 - val_loss: 0.6890 - val_auc_70: 0.5326
Epoch 877/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5323 - val_loss: 0.6887 - val_auc_70: 0.5333
Epoch 878/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5325 - val_loss: 0.6885 - val_auc_70: 0.5330
Epoch 879/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5327 - val_loss: 0.6884 - val_auc_70: 0.5347
Epoch 880/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5336 - val_loss: 0.6883 - val_auc_70: 0.5335
Epoch 881/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5333 - val_loss: 0.6889 - val_auc_70: 0.5331
Epoch 882/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5323 - val_loss: 0.6885 - val_auc_70: 0.5326
Epoch 883/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5329 - val_loss: 0.6884 - val_auc_70: 0.5337
Epoch 884/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6888 -
auc_70: 0.5331 - val_loss: 0.6882 - val_auc_70: 0.5329
Epoch 885/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6887 -
auc_70: 0.5335 - val_loss: 0.6884 - val_auc_70: 0.5336
Epoch 886/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6887 -
auc_70: 0.5328 - val_loss: 0.6888 - val_auc_70: 0.5341
Epoch 887/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5331 - val_loss: 0.6886 - val_auc_70: 0.5345
Epoch 888/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5333 - val_loss: 0.6889 - val_auc_70: 0.5341
Epoch 889/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5331 - val_loss: 0.6885 - val_auc_70: 0.5346
Epoch 890/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5333 - val_loss: 0.6884 - val_auc_70: 0.5331
Epoch 891/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5329 - val_loss: 0.6886 - val_auc_70: 0.5349
Epoch 892/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5337 - val_loss: 0.6885 - val_auc_70: 0.5323
Epoch 893/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5334 - val_loss: 0.6888 - val_auc_70: 0.5328
Epoch 894/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5328 - val_loss: 0.6883 - val_auc_70: 0.5339
Epoch 895/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5337 - val_loss: 0.6884 - val_auc_70: 0.5339
Epoch 896/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5335 - val_loss: 0.6885 - val_auc_70: 0.5339
Epoch 897/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5333 - val_loss: 0.6888 - val_auc_70: 0.5340
Epoch 898/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5332 - val_loss: 0.6885 - val_auc_70: 0.5341
Epoch 899/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5342 - val_loss: 0.6885 - val_auc_70: 0.5342
Epoch 900/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5335 - val_loss: 0.6886 - val_auc_70: 0.5341
Epoch 901/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5349 - val_loss: 0.6883 - val_auc_70: 0.5343
Epoch 902/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5329 - val_loss: 0.6883 - val_auc_70: 0.5339
Epoch 903/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5335 - val_loss: 0.6894 - val_auc_70: 0.5329
Epoch 904/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5330 - val_loss: 0.6885 - val_auc_70: 0.5346
Epoch 905/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6885 -
auc_70: 0.5335 - val_loss: 0.6887 - val_auc_70: 0.5332
Epoch 906/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5334 - val_loss: 0.6885 - val_auc_70: 0.5346
Epoch 907/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5332 - val_loss: 0.6887 - val_auc_70: 0.5336
Epoch 908/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5331 - val_loss: 0.6896 - val_auc_70: 0.5320
Epoch 909/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5335 - val_loss: 0.6887 - val_auc_70: 0.5338
Epoch 910/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5336 - val_loss: 0.6887 - val_auc_70: 0.5327
Epoch 911/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5336 - val_loss: 0.6887 - val_auc_70: 0.5332
Epoch 912/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5335 - val_loss: 0.6887 - val_auc_70: 0.5341
Epoch 913/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5329 - val_loss: 0.6886 - val_auc_70: 0.5334
Epoch 914/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6884 -
auc_70: 0.5331 - val_loss: 0.6884 - val_auc_70: 0.5342
Epoch 915/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5328 - val_loss: 0.6886 - val_auc_70: 0.5333
Epoch 916/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5342 - val_loss: 0.6889 - val_auc_70: 0.5332
Epoch 917/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5334 - val_loss: 0.6886 - val_auc_70: 0.5334
Epoch 918/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5328 - val_loss: 0.6887 - val_auc_70: 0.5337
Epoch 919/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5328 - val_loss: 0.6888 - val_auc_70: 0.5336
Epoch 920/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5337 - val_loss: 0.6889 - val_auc_70: 0.5323
Epoch 921/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5338 - val_loss: 0.6883 - val_auc_70: 0.5336
Epoch 922/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5335 - val_loss: 0.6885 - val_auc_70: 0.5339
Epoch 923/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5330 - val_loss: 0.6886 - val_auc_70: 0.5337
Epoch 924/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5329 - val_loss: 0.6885 - val_auc_70: 0.5334
Epoch 925/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5326 - val_loss: 0.6886 - val_auc_70: 0.5311
Epoch 926/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5332 - val_loss: 0.6886 - val_auc_70: 0.5340
Epoch 927/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5329 - val_loss: 0.6884 - val_auc_70: 0.5331
Epoch 928/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5328 - val_loss: 0.6886 - val_auc_70: 0.5318
Epoch 929/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5326 - val_loss: 0.6888 - val_auc_70: 0.5335
Epoch 930/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5336 - val_loss: 0.6887 - val_auc_70: 0.5337
Epoch 931/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5326 - val_loss: 0.6885 - val_auc_70: 0.5335
Epoch 932/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5329 - val_loss: 0.6883 - val_auc_70: 0.5330
Epoch 933/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5329 - val_loss: 0.6881 - val_auc_70: 0.5335
Epoch 934/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5327 - val_loss: 0.6886 - val_auc_70: 0.5331
Epoch 935/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5325 - val_loss: 0.6884 - val_auc_70: 0.5319
Epoch 936/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5329 - val_loss: 0.6883 - val_auc_70: 0.5329
Epoch 937/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5336 - val_loss: 0.6887 - val_auc_70: 0.5318
Epoch 938/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5337 - val_loss: 0.6889 - val_auc_70: 0.5340
Epoch 939/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5327 - val_loss: 0.6886 - val_auc_70: 0.5342
Epoch 940/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5338 - val_loss: 0.6887 - val_auc_70: 0.5340
Epoch 941/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5329 - val_loss: 0.6885 - val_auc_70: 0.5332
Epoch 942/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5336 - val_loss: 0.6886 - val_auc_70: 0.5324
Epoch 943/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5337 - val_loss: 0.6886 - val_auc_70: 0.5339
Epoch 944/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5331 - val_loss: 0.6884 - val_auc_70: 0.5331
Epoch 945/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5336 - val_loss: 0.6886 - val_auc_70: 0.5321
Epoch 946/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5324 - val_loss: 0.6887 - val_auc_70: 0.5339
Epoch 947/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5336 - val_loss: 0.6885 - val_auc_70: 0.5332
Epoch 948/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5330 - val_loss: 0.6883 - val_auc_70: 0.5335
Epoch 949/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6885 -
auc_70: 0.5335 - val_loss: 0.6886 - val_auc_70: 0.5333
Epoch 950/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5335 - val_loss: 0.6885 - val_auc_70: 0.5318
Epoch 951/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5323 - val_loss: 0.6882 - val_auc_70: 0.5329
Epoch 952/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5333 - val_loss: 0.6883 - val_auc_70: 0.5338
Epoch 953/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5334 - val_loss: 0.6934 - val_auc_70: 0.5349
Epoch 954/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5340 - val_loss: 0.6887 - val_auc_70: 0.5341
Epoch 955/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5339 - val_loss: 0.6886 - val_auc_70: 0.5331
Epoch 956/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5334 - val_loss: 0.6887 - val_auc_70: 0.5333
Epoch 957/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6885 -
auc_70: 0.5326 - val_loss: 0.6887 - val_auc_70: 0.5334
Epoch 958/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5330 - val_loss: 0.6882 - val_auc_70: 0.5346
Epoch 959/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6885 -
auc_70: 0.5329 - val_loss: 0.6887 - val_auc_70: 0.5329
Epoch 960/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6884 -
auc_70: 0.5342 - val_loss: 0.6886 - val_auc_70: 0.5330
Epoch 961/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5333 - val_loss: 0.6887 - val_auc_70: 0.5337
Epoch 962/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5329 - val_loss: 0.6888 - val_auc_70: 0.5329
Epoch 963/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5339 - val_loss: 0.6882 - val_auc_70: 0.5325
Epoch 964/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5333 - val_loss: 0.6884 - val_auc_70: 0.5337
Epoch 965/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5334 - val_loss: 0.6888 - val_auc_70: 0.5325
Epoch 966/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6890 -
auc_70: 0.5328 - val_loss: 0.6885 - val_auc_70: 0.5334
Epoch 967/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5321 - val_loss: 0.6884 - val_auc_70: 0.5339
Epoch 968/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6884 -
auc_70: 0.5333 - val_loss: 0.6883 - val_auc_70: 0.5324
Epoch 969/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5342 - val_loss: 0.6886 - val_auc_70: 0.5329
Epoch 970/1000

3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5333 - val_loss: 0.6889 - val_auc_70: 0.5323
Epoch 971/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5330 - val_loss: 0.6883 - val_auc_70: 0.5345
Epoch 972/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6889 -
auc_70: 0.5337 - val_loss: 0.6889 - val_auc_70: 0.5319
Epoch 973/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5333 - val_loss: 0.6884 - val_auc_70: 0.5329
Epoch 974/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5328 - val_loss: 0.6885 - val_auc_70: 0.5336
Epoch 975/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6891 -
auc_70: 0.5325 - val_loss: 0.6881 - val_auc_70: 0.5334
Epoch 976/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6885 -
auc_70: 0.5330 - val_loss: 0.6887 - val_auc_70: 0.5323
Epoch 977/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5329 - val_loss: 0.6889 - val_auc_70: 0.5342
Epoch 978/1000
3715/3715 [=====] - 11s 3ms/step - loss: 0.6891 -
auc_70: 0.5334 - val_loss: 0.6884 - val_auc_70: 0.5340
Epoch 979/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5336 - val_loss: 0.6883 - val_auc_70: 0.5350
Epoch 980/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6885 -
auc_70: 0.5330 - val_loss: 0.6884 - val_auc_70: 0.5316
Epoch 981/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5327 - val_loss: 0.6882 - val_auc_70: 0.5328
Epoch 982/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5331 - val_loss: 0.6886 - val_auc_70: 0.5340
Epoch 983/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6884 -
auc_70: 0.5336 - val_loss: 0.6886 - val_auc_70: 0.5334
Epoch 984/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5335 - val_loss: 0.6886 - val_auc_70: 0.5326
Epoch 985/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5329 - val_loss: 0.6885 - val_auc_70: 0.5323
Epoch 986/1000


```

3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5331 - val_loss: 0.6881 - val_auc_70: 0.5340
Epoch 987/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6885 -
auc_70: 0.5336 - val_loss: 0.6885 - val_auc_70: 0.5330
Epoch 988/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6892 -
auc_70: 0.5327 - val_loss: 0.6886 - val_auc_70: 0.5329
Epoch 989/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6885 -
auc_70: 0.5336 - val_loss: 0.6887 - val_auc_70: 0.5339
Epoch 990/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6893 -
auc_70: 0.5336 - val_loss: 0.6887 - val_auc_70: 0.5347
Epoch 991/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5335 - val_loss: 0.6886 - val_auc_70: 0.5336
Epoch 992/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6887 -
auc_70: 0.5338 - val_loss: 0.6883 - val_auc_70: 0.5337
Epoch 993/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6885 -
auc_70: 0.5333 - val_loss: 0.6882 - val_auc_70: 0.5336
Epoch 994/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5328 - val_loss: 0.6889 - val_auc_70: 0.5335
Epoch 995/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5338 - val_loss: 0.6884 - val_auc_70: 0.5336
Epoch 996/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6885 -
auc_70: 0.5331 - val_loss: 0.6884 - val_auc_70: 0.5344
Epoch 997/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6885 -
auc_70: 0.5338 - val_loss: 0.6885 - val_auc_70: 0.5339
Epoch 998/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5333 - val_loss: 0.6892 - val_auc_70: 0.5324
Epoch 999/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6888 -
auc_70: 0.5323 - val_loss: 0.6886 - val_auc_70: 0.5332
Epoch 1000/1000
3715/3715 [=====] - 10s 3ms/step - loss: 0.6886 -
auc_70: 0.5330 - val_loss: 0.6884 - val_auc_70: 0.5338

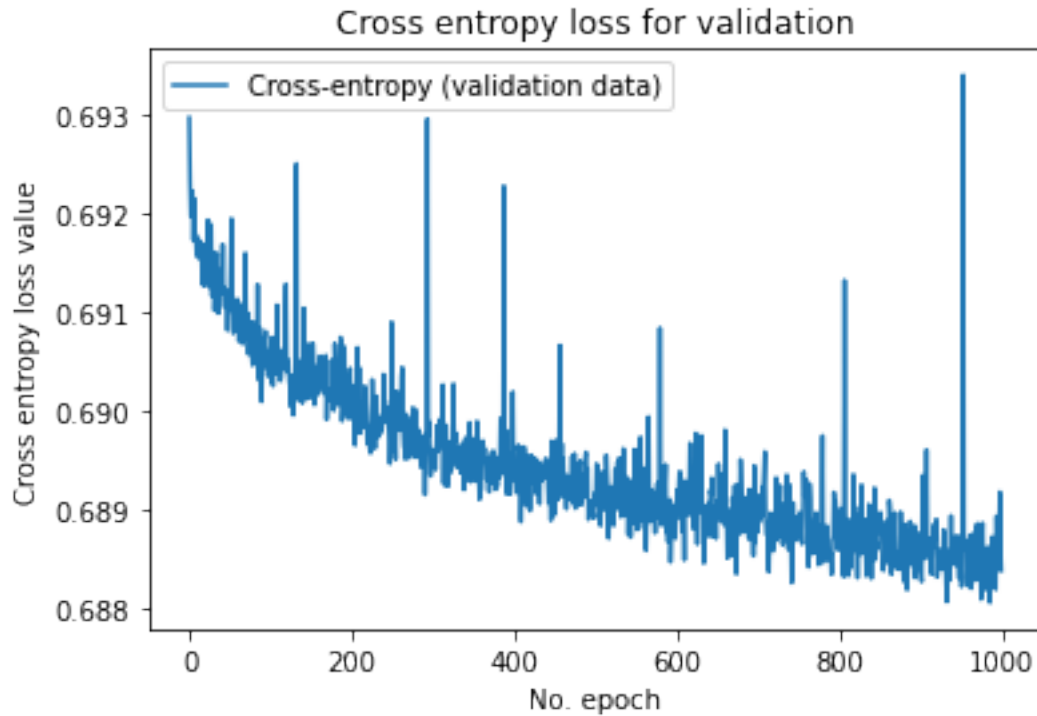
```

```

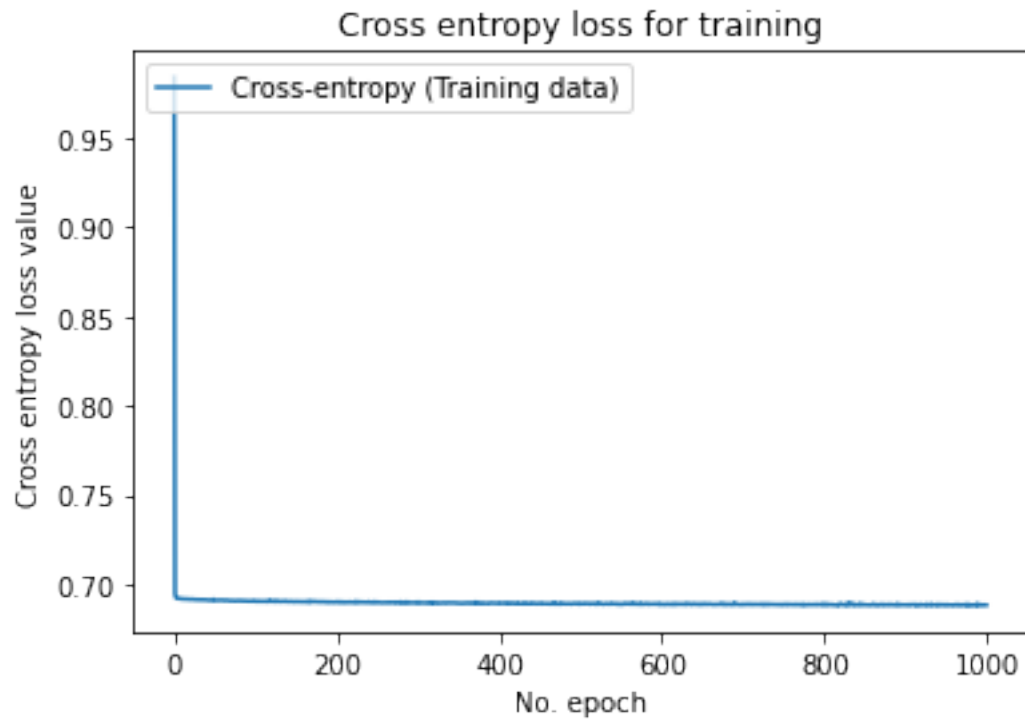
[80]: import matplotlib.pyplot as plt
      plt.plot(history.history['val_loss'], label='Cross-entropy (validation data)')

```

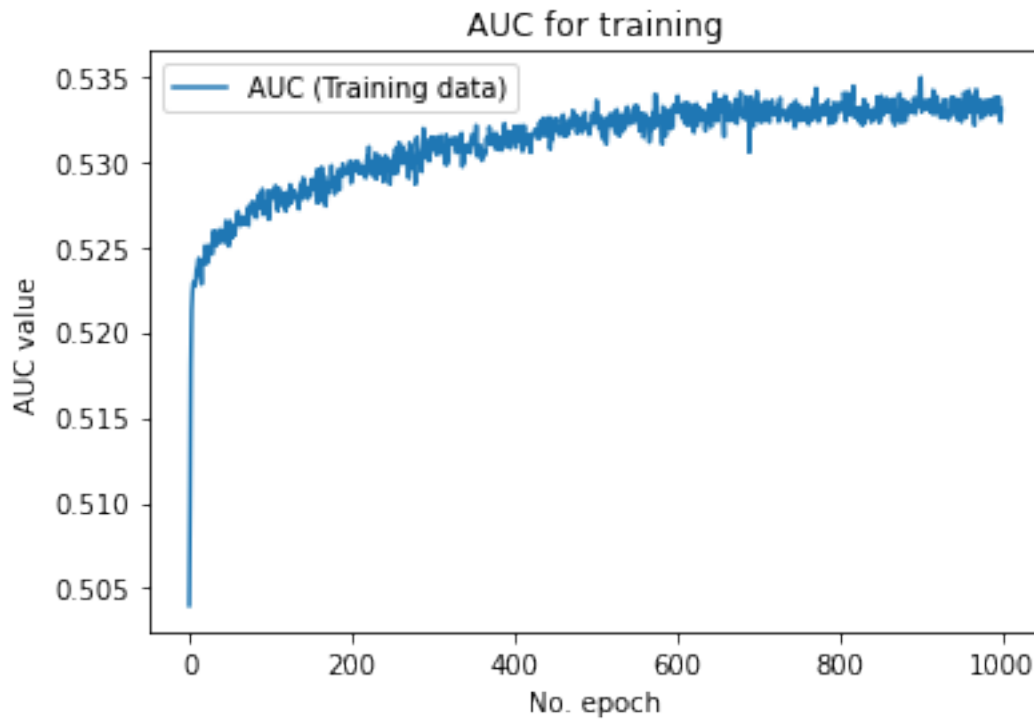
```
plt.title('Cross entropy loss for validation')
plt.ylabel('Cross entropy loss value')
plt.xlabel('No. epoch')
plt.legend(loc="upper left")
plt.show()
```



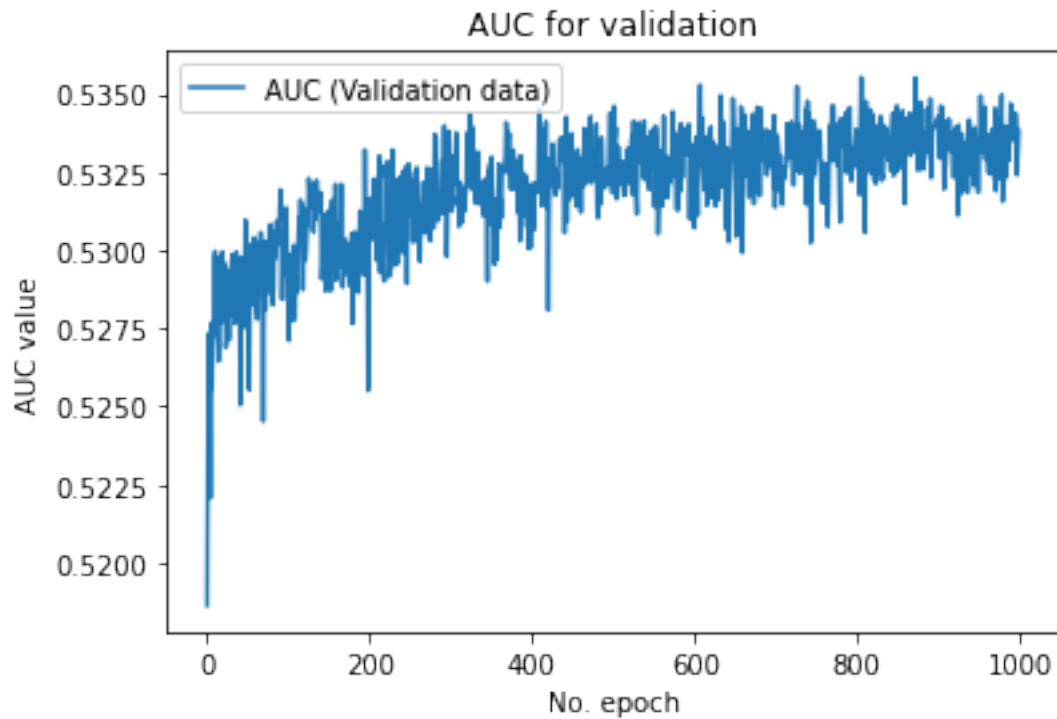
```
[81]: plt.plot(history.history['loss'], label='Cross-entropy (Training data)')
plt.title('Cross entropy loss for training')
plt.ylabel('Cross entropy loss value')
plt.xlabel('No. epoch')
plt.legend(loc="upper left")
plt.show()
```



```
[82]: plt.plot(history.history['auc_70'], label='AUC (Training data)')
plt.title('AUC for training')
plt.ylabel('AUC value')
plt.xlabel('No. epoch')
plt.legend(loc="upper left")
plt.show()
```



```
[83]: plt.plot(history.history['val_auc_70'], label='AUC (Validation data)')
plt.title('AUC for validation')
plt.ylabel('AUC value')
plt.xlabel('No. epoch')
plt.legend(loc="upper left")
plt.show()
```



```
[85]: Y_prediction_neuralNetwork = model.predict(X_test)
Y_prediction_neuralNetwork[Y_prediction_neuralNetwork > 0.5] = 1
Y_prediction_neuralNetwork[Y_prediction_neuralNetwork <= 0.5] = 0

print(classification_report(Y_test, Y_prediction_neuralNetwork))
print("Accuracy: ", accuracy_score(Y_test, Y_prediction_neuralNetwork))
```

	precision	recall	f1-score	support
0.0	0.55	0.15	0.24	245475
1.0	0.51	0.88	0.65	249847
accuracy			0.52	495322
macro avg	0.53	0.52	0.44	495322
weighted avg	0.53	0.52	0.44	495322

Accuracy: 0.5186181918025042

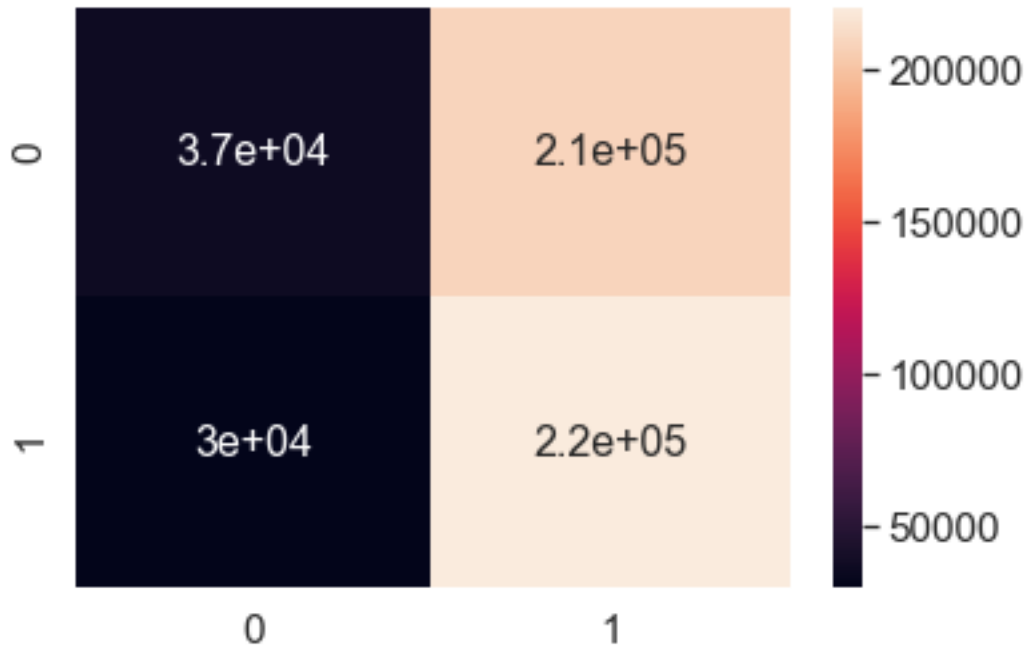
```
[93]: from sklearn.metrics import confusion_matrix
cm = confusion_matrix(Y_test, Y_prediction_neuralNetwork)
print(cm)
```

```
[[ 36796 208679]
 [ 29760 220087]]
```

```
[92]: import seaborn as sn

df_cm = pd.DataFrame(cm, range(2), range(2))
# plt.figure(figsize=(10,7))
sn.set(font_scale=1.4) # for label size
sn.heatmap(df_cm, annot=True, annot_kws={"size": 16}) # font size

plt.show()
```



Thank you for reading!! Please contact me if there is any confusion on any part