Epoch 1/15

3363/3363 [==============================] - 8094s 2s/step - loss: 2.9423 - accuracy: 0.6711 - val\_loss: 0.8507 - val\_accuracy: 0.7428 - lr: 5.0000e-05

Epoch 2/15

3363/3363 [==============================] - 7620s 2s/step - loss: 0.6947 - accuracy: 0.7407 - val\_loss: 0.6005 - val\_accuracy: 0.7428 - lr: 5.0000e-05

Epoch 3/15

3363/3363 [==============================] - 7590s 2s/step - loss: 0.5857 - accuracy: 0.7428 - val\_loss: 0.5792 - val\_accuracy: 0.7428 - lr: 5.0000e-05

Epoch 4/15

3363/3363 [==============================] - 7598s 2s/step - loss: 0.5776 - accuracy: 0.7428 - val\_loss: 0.5772 - val\_accuracy: 0.7428 - lr: 5.0000e-05

Epoch 5/15

3363/3363 [==============================] - 7641s 2s/step - loss: 0.5769 - accuracy: 0.7428 - val\_loss: 0.5769 - val\_accuracy: 0.7428 - lr: 5.0000e-05

Epoch 6/15

3363/3363 [==============================] - 7603s 2s/step - loss: 0.5768 - accuracy: 0.7428 - val\_loss: 0.5763 - val\_accuracy: 0.7428 - lr: 5.0000e-05

Epoch 7/15

3363/3363 [==============================] - 7621s 2s/step - loss: 0.5763 - accuracy: 0.7428 - val\_loss: 0.5759 - val\_accuracy: 0.7428 - lr: 5.0000e-05

Epoch 8/15

3363/3363 [==============================] - 7616s 2s/step - loss: 0.5762 - accuracy: 0.7428 - val\_loss: 0.5756 - val\_accuracy: 0.7428 - lr: 5.0000e-05

Epoch 9/15

3363/3363 [==============================] - 8539s 3s/step - loss: 0.5756 - accuracy: 0.7428 - val\_loss: 0.5751 - val\_accuracy: 0.7428 - lr: 5.0000e-05

Epoch 10/15

3363/3363 [==============================] - 8171s 2s/step - loss: 0.5755 - accuracy: 0.7428 - val\_loss: 0.5753 - val\_accuracy: 0.7428 - lr: 5.0000e-05

Epoch 11/15

3363/3363 [==============================] - 8710s 3s/step - loss: 0.5756 - accuracy: 0.7428 - val\_loss: 0.5751 - val\_accuracy: 0.7428 - lr: 5.0000e-05

Epoch 12/15

3363/3363 [==============================] - 8088s 2s/step - loss: 0.5730 - accuracy: 0.7428 - val\_loss: 0.5729 - val\_accuracy: 0.7428 - lr: 2.5000e-05

Epoch 13/15

3363/3363 [==============================] - 7648s 2s/step - loss: 0.5732 - accuracy: 0.7428 - val\_loss: 0.5730 - val\_accuracy: 0.7428 - lr: 2.5000e-05

Epoch 14/15

3363/3363 [==============================] - 8188s 2s/step - loss: 0.5731 - accuracy: 0.7428 - val\_loss: 0.5729 - val\_accuracy: 0.7428 - lr: 2.5000e-05

Epoch 15/15

3363/3363 [==============================] - 7792s 2s/step - loss: 0.5719 - accuracy: 0.7428 - val\_loss: 0.5717 - val\_accuracy: 0.7428 - lr: 1.2500e-05

5765/5765 [==============================] - 246s 43ms/step

C:\Users\skape\PycharmProjects\Thesis\_tensorflow\.venv\lib\site-packages\sklearn\metrics\\_classification.py:1471: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero\_division` parameter to control this behavior.

\_warn\_prf(average, modifier, msg\_start, len(result))

Evaluation Metrics:

Precision: 0.0000

Recall: 0.0000

F1 Score: 0.0000

ROC AUC: 0.5000

PR AUC: 0.2572

MCC: 0.0000

Εικόνα που περιέχει κείμενο, στιγμιότυπο οθόνης, διάγραμμα, γράφημα

Περιγραφή που δημιουργήθηκε αυτόματα

Εικόνα που περιέχει κείμενο, στιγμιότυπο οθόνης, ορθογώνιο παραλληλόγραμμο, διάγραμμα

Περιγραφή που δημιουργήθηκε αυτόματα

Εικόνα που περιέχει κείμενο, στιγμιότυπο οθόνης, ορθογώνιο παραλληλόγραμμο, πολυχρωμία

Περιγραφή που δημιουργήθηκε αυτόματα

Εικόνα που περιέχει κείμενο, στιγμιότυπο οθόνης, ορθογώνιο παραλληλόγραμμο, γραμμή

Περιγραφή που δημιουργήθηκε αυτόματα

Εικόνα που περιέχει κείμενο, γραμμή, διάγραμμα, γράφημα

Περιγραφή που δημιουργήθηκε αυτόματα

Εικόνα που περιέχει κείμενο, στιγμιότυπο οθόνης, διάγραμμα, λογισμικό

Περιγραφή που δημιουργήθηκε αυτόματα

Εικόνα που περιέχει κείμενο, γράφημα, γραμμή, διάγραμμα

Περιγραφή που δημιουργήθηκε αυτόματα

Triplet 1 (Original):

Subject: https://ec.europa.eu/eurostat/NLP4StatRef/ontology/fats\_08, Predicate: https://ec.europa.eu/eurostat/NLP4StatRef/ontology/level, Object: 4

157/157 [==============================] - 7s 43ms/step

Intercept 0.25797984004020685

Prediction\_local [0.25797984]

Right: 0.25797984

Feature Importances (Coefficients):

Subject: 4.69720381556478e-32

Predicate: 3.5063534576135204e-32

Object: -1.9359416720561533e-32

Triplet 2 (Original):

Subject: https://ec.europa.eu/eurostat/NLP4StatRef/knowledge/paragraph9574\_3455, Predicate: http://www.w3.org/1999/02/22-rdf-syntax-ns#type, Object: https://ec.europa.eu/eurostat/NLP4StatRef/ontology/Paragraph

157/157 [==============================] - 7s 43ms/step

Intercept 0.25797984004020685

Prediction\_local [0.25797984]

Right: 0.25797984

Feature Importances (Coefficients):

Predicate: -2.536402383400201e-32

Object: 9.645240081710164e-33

Subject: -6.028113584493844e-33

Triplet 3 (Original):

Subject: https://ec.europa.eu/eurostat/NLP4StatRef/knowledge/glossaryArticle118, Predicate: https://ec.europa.eu/eurostat/NLP4StatRef/ontology/hasReference, Object: https://ec.europa.eu/eurostat/NLP4StatRef/knowledge/referenceSource59

157/157 [==============================] - 7s 42ms/step

Intercept 0.2579798400402069

Prediction\_local [0.25797984]

Right: 0.25797984

Feature Importances (Coefficients):

Subject: 0.0

Predicate: 0.0

Object: 0.0

Triplet 4 (Original):

Subject: https://ec.europa.eu/eurostat/NLP4StatRef/knowledge/hlth\_ehis\_aw1u, Predicate: https://ec.europa.eu/eurostat/NLP4StatRef/ontology/term, Object: hlth\_ehis\_aw1u

157/157 [==============================] - 7s 42ms/step

Intercept 0.25797984004020685

Prediction\_local [0.25797984]

Right: 0.25797984

Feature Importances (Coefficients):

Subject: 2.5707374354982415e-32

Object: 1.8668640569853068e-32

Predicate: 8.660767010641615e-33

Triplet 5 (Original):

Subject: https://ec.europa.eu/eurostat/NLP4StatRef/ontology/ei\_qna, Predicate: http://www.w3.org/1999/02/22-rdf-syntax-ns#type, Object: https://ec.europa.eu/eurostat/NLP4StatRef/ontology/StatisticalData

157/157 [==============================] - 7s 42ms/step

Intercept 0.2579798400402069

Prediction\_local [0.25797984]

Right: 0.25797984

Feature Importances (Coefficients):

Subject: 0.0

Predicate: 0.0

Object: 0.0