Epoch 1/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(110382.7)}

Epoch 2/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(86508.92)}

Epoch 3/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(81048.9)}

Epoch 4/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(78111.19)}

Epoch 5/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(76019.484)}

Epoch 6/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(74406.49)}

Epoch 7/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(73212.52)}

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Epoch 14/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(68674.83)}

Epoch 15/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(68261.7)}

Epoch 16/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(67735.34)}

Epoch 17/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(67653.22)}

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Epoch 20/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(66611.336)}

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Epoch 31/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(64016.18)}

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Epoch 37/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(63060.07)}

Epoch 38/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(63004.785)}

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Epoch 41/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(62498.773)}

Epoch 42/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(62370.33)}

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Epoch 45/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(62143.777)}

Epoch 46/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(62019.047)}

Epoch 47/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(61760.484)}

Epoch 48/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(61886.414)}

Epoch 49/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(61683.344)}

Epoch 50/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(61609.293)}

wandb: Adding directory to artifact (c:\Users\UIC\Desktop\NLP\NLP\_TEXT\_CLASSIFICATION\model\Spacy\md0\_doc\_bin\md\_model)... Done. 0.1s

Original Evaluation:

Sentence-level Precision: 14.53%, Recall: 14.53%, F1: 14.53%

Entity-level Precision: 1.00%, Recall: 0.30%, F1: 0.46%

Token-level Precision: 1.41%, Recall: 15.90%, F1: 2.60%

Evaluation without Position Information:

Sentence-level Precision: 28.78%, Recall: 28.78%, F1: 28.78%

Entity-level Precision: 90.07%, Recall: 34.55%, F1: 49.94%

Token-level Precision: 1.41%, Recall: 15.90%, F1: 2.60%

Traceback (most recent call last):

Md

Sm

Epoch 1/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(111858.34)}

Epoch 2/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(88358.27)}

Epoch 3/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(82127.5)}

Epoch 4/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(78797.56)}

Epoch 5/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(76426.88)}

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Epoch 10/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(71152.51)}

Epoch 11/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(70589.22)}

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Epoch 16/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(68067.22)}

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Epoch 19/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(67032.33)}

Epoch 20/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(66737.414)}

Epoch 21/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(66479.484)}

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Epoch 23/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(65960.49)}

Epoch 24/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(65505.09)}

Epoch 25/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(65326.07)}

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Epoch 32/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(63937.297)}

Epoch 33/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(63607.375)}

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Epoch 48/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(61784.316)}

Epoch 49/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(61641.31)}

Epoch 50/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(61448.566)}

wandb: Adding directory to artifact (c:\Users\UIC\Desktop\NLP\NLP\_TEXT\_CLASSIFICATION\model\Spacy\sm0\_doc\_bin\sm\_model)... Done. 0.0s

Original Evaluation:

Sentence-level Precision: 14.35%, Recall: 14.35%, F1: 14.35%

Entity-level Precision: 0.93%, Recall: 0.28%, F1: 0.43%

Token-level Precision: 1.37%, Recall: 15.68%, F1: 2.52%

Evaluation without Position Information:

Sentence-level Precision: 28.67%, Recall: 28.67%, F1: 28.67%

Entity-level Precision: 89.71%, Recall: 34.78%, F1: 50.12%

Token-level Precision: 1.37%, Recall: 15.68%, F1: 2.52%

wandb: uploading output.log; uploading wandb-summary.json; uploading config.yaml

wandb: uploading summary

wandb:

wandb:

wandb: Run summary:

wandb:                 entity\_f1 0.00433

wandb:          entity\_f1\_no\_pos 0.50123

wandb:          entity\_precision 0.00932

wandb:   entity\_precision\_no\_pos 0.89714

wandb:             entity\_recall 0.00282

wandb:      entity\_recall\_no\_pos 0.34777

wandb:                     epoch 50

wandb:               sentence\_f1 0.14346

wandb:        sentence\_f1\_no\_pos 0.28671

wandb:        sentence\_precision 0.14346

wandb: sentence\_precision\_no\_pos 0.28671

wandb:           sentence\_recall 0.14346

wandb:    sentence\_recall\_no\_pos 0.28671

wandb:                  token\_f1 0.02524

wandb:           token\_f1\_no\_pos 0.02524

wandb:           token\_precision 0.01372

wandb:    token\_precision\_no\_pos 0.01372

wandb:              token\_recall 0.15677

wandb:       token\_recall\_no\_pos 0.15677

lg

Epoch 1/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(112247.914)}

Epoch 2/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(86825.766)}

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Epoch 4/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(77382.09)}

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Epoch 9/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(71373.86)}

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Epoch 19/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(66854.16)}

Epoch 20/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(66505.78)}

Epoch 21/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(66335.05)}

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Epoch 23/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(65536.125)}

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Epoch 29/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(64216.36)}

Epoch 30/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(64058.79)}

Epoch 31/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(63852.516)}

Epoch 32/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(63704.51)}

Epoch 33/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(63597.71)}

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Epoch 48/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(61689.5)}

Epoch 49/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(61590.656)}

Epoch 50/50, Losses: {'tok2vec': 0.0, 'tagger': 0.0, 'parser': 0.0, 'ner': np.float32(61326.53)}

wandb: Adding directory to artifact (c:\Users\UIC\Desktop\NLP\NLP\_TEXT\_CLASSIFICATION\model\Spacy\lg0\_doc\_bin\lg\_model)... Done. 1.0s

Original Evaluation:

Sentence-level Precision: 14.51%, Recall: 14.51%, F1: 14.51%

Entity-level Precision: 0.95%, Recall: 0.28%, F1: 0.43%

Token-level Precision: 1.33%, Recall: 14.78%, F1: 2.43%

Evaluation without Position Information:

Sentence-level Precision: 28.64%, Recall: 28.64%, F1: 28.64%

Entity-level Precision: 90.74%, Recall: 34.56%, F1: 50.05%

Token-level Precision: 1.33%, Recall: 14.78%, F1: 2.43%

wandb: uploading output.log; uploading wandb-summary.json; uploading config.yaml

wandb: uploading history steps 50-50, summary, console lines 51-60

wandb:

wandb:

wandb: Run summary:

wandb:                 entity\_f1 0.00431

wandb:          entity\_f1\_no\_pos 0.50051

wandb:          entity\_precision 0.00946

wandb:   entity\_precision\_no\_pos 0.90739

wandb:             entity\_recall 0.00279

wandb:      entity\_recall\_no\_pos 0.34556

wandb:                     epoch 50

wandb:               sentence\_f1 0.14513

wandb:        sentence\_f1\_no\_pos 0.28644

wandb:        sentence\_precision 0.14513

wandb: sentence\_precision\_no\_pos 0.28644

wandb:           sentence\_recall 0.14513

wandb:    sentence\_recall\_no\_pos 0.28644

wandb:                  token\_f1 0.02433

wandb:           token\_f1\_no\_pos 0.02433

wandb:           token\_precision 0.01326

wandb:    token\_precision\_no\_pos 0.01326

wandb:              token\_recall 0.14782

wandb:       token\_recall\_no\_pos 0.14782