Model_Name : Model_ANCOR_balanced_ANAPHORE.model

Train Dataset : balanced_ANAPHORE_Train.xlsx

Test Dataset : window_ANAPHORE_Test.xlsx

{'precision_score_pos': 0.30624263839811544, 'recall_score_pos': 0.9252669039145908, 'f1_score_pos': 0.4601769911504425, 'precision_score_neg': 0.9972435518802913, 'recall_score_neg': 0.9280522811946498, 'f1_score_neg': 0.9614046187915217}

MUC: R=0.9466357308584686 P=0.34285714285714286 F_1=0.5033929673041333
B^3:   R=0.9769724854227405 P=0.3703894938185768 F_1=0.5371390167238722
CEAF_m:R=0.43686224489795916 P=0.44307891332470895 F_1=0.43994861913937056
CEAF_e:R=0.20534301512715458 P=0.6558286747179066 F_1=0.31275955552521734
BLANC: R=0.9454300710057139 P=0.5702666306176442 F_1=0.6140846130683528
CoNLL-2012 average score: 0.4510971798510743

Model_Name : Model_ANCOR_balanced_DIRECTE.model

Train Dataset : balanced_DIRECTE_Train.xlsx

Test Dataset : window_DIRECTE_Test.xlsx

{'precision_score_pos': 0.15197368421052632, 'recall_score_pos': 0.9467213114754098, 'f1_score_pos': 0.2619047619047619, 'precision_score_neg': 0.9991566655854687, 'recall_score_neg': 0.9227727517823977, 'f1_score_neg': 0.9594468323677816}

MUC: R=0.9819004524886877 P=0.20036934441366575 F_1=0.3328220858895705
B^3:   R=0.9954998840176293 P=0.32810436115875447 F_1=0.49354307327065416
CEAF_m:R=0.36673625608907445 P=0.36750348675034866 F_1=0.3671194705677464
CEAF_e:R=0.17471527311488702 P=0.6052814020162468 F_1=0.27115988782093503
BLANC: R=0.9781006250716991 P=0.5331263405563798 F_1=0.5600289303562542
CoNLL-2012 average score: 0.3658416823270532

Model_Name : Model_ANCOR_balanced_Full.model

Train Dataset : balanced_Full_Train.xlsx

Test Dataset : window_Full_Test.xlsx

{'precision_score_pos': 0.37814245810055863, 'recall_score_pos': 0.8712791633145616, 'f1_score_pos': 0.5273922571219869, 'precision_score_neg': 0.988629095302395, 'recall_score_neg': 0.8865026765230691, 'f1_score_neg': 0.934784799919363}

MUC: R=0.9175757575757576 P=0.43084803642572567 F_1=0.5863671572424477
B^3:   R=0.9470967065240192 P=0.3964841813465565 F_1=0.5589672579182559
CEAF_m:R=0.4577092511013216 P=0.468018018018018 F_1=0.4628062360801782
CEAF_e:R=0.2187744010701508 P=0.6827840378971229 F_1=0.3313721274070942
BLANC: R=0.898738265947542   P=0.576937208998717 F_1=0.6182326087647714
CoNLL-2012 average score: 0.4922355141892659

Model_Name : Model_ANCOR_balanced_INDIRECTE.model

Train Dataset : balanced_INDIRECTE_Train.xlsx

Test Dataset : window_INDIRECTE_Test.xlsx

{'precision_score_pos': 0.025544959128065394, 'recall_score_pos': 0.9146341463414634, 'f1_score_pos': 0.049701789264413515, 'precision_score_neg': 0.9994999642831631, 'recall_score_neg': 0.8302379398326707, 'f1_score_neg': 0.9070400622325943}

MUC: R=0.9714285714285714 P=0.04361770365618987 F_1=0.08348680171884591
B^3:   R=0.9981235565819861 P=0.1079977731982405 F_1=0.19490650543549345
CEAF_m:R=0.12702078521939955 P=0.12716763005780346 F_1=0.1270941652224148
CEAF_e:R=0.0398864530113709 P=0.3876683327771838 F_1=0.07233091642651221
BLANC: R=0.9718907668376786 P=0.5025577604137388 F_1=0.501534971578723
CoNLL-2012 average score: 0.11690807452695053

Model_Name : Model_ANCOR_representative_ANAPHORE.model

Train Dataset : representative_ANAPHORE_Train.xlsx

Test Dataset : window_ANAPHORE_Test.xlsx

{'precision_score_pos': 0.46893203883495144, 'recall_score_pos': 0.8594306049822064, 'f1_score_pos': 0.6067839195979898, 'precision_score_neg': 0.9950330084878969, 'recall_score_neg': 0.9665913394002321, 'f1_score_neg': 0.9806059855009603}

```
MUC:    R=0.8816705336426914  P=0.5177111716621253  F₁=0.6523605150214592
B³:     R=0.9231583793738489  P=0.5516605524196122  F₁=0.6906204559184373
CEAF_m:R=0.5755064456721916  P=0.6121449559255632  F₁=0.5932605600379687
CEAF_e:R=0.34019795725902596 P=0.7764099721416794  F₁=0.47309907007359236
BLANC:  R=0.8707169381180919  P=0.6513393463641408  F₁=0.6924054944863178
CoNLL-2012 average score: 0.605360013671163
```

Model_Name : Model_ANCOR_representative_DIRECTE.model

Train Dataset : representative_DIRECTE_Train.xlsx

Test Dataset : window_DIRECTE_Test.xlsx

{'precision_score_pos': 0.3572621035058431, 'recall_score_pos': 0.8770491803278688, 'f1_score_pos': 0.5077105575326216, 'precision_score_neg': 0.9981635651322233, 'recall_score_neg': 0.9769336768318255, 'f1_score_neg': 0.9874345232688406}

MUC: R=0.9004524886877828 P=0.39879759519038077 F_1=0.5527777777777778
B^3:   R=0.9571626984126984 P=0.5954549875505758 F_1=0.7341759762495588
CEAF_m:R=0.6   P=0.6176470588235294 F_1=0.608695652173913
CEAF_e:R=0.3884586693148891 P=0.7585360135833322 F_1=0.5137946929613597
BLANC: R=0.904464478470901   P=0.6462258048427078 F_1=0.7037605123925407
CoNLL-2012 average score: 0.6002494823295654

Model_Name : Model_ANCOR_representative_Full.model

Train Dataset : representative_Full_Train.xlsx

Test Dataset : window_Full_Test.xlsx

{'precision_score_pos': 0.6280834914611005, 'recall_score_pos': 0.5325824617860017,
'f1_score_pos': 0.5764040052242055, 'precision_score_neg': 0.9634154020527674,
'recall_score_neg': 0.975019118021922, 'f1_score_neg': 0.9691825293763658}


```
MUC:    R=0.610909090909091   P=0.6387832699619772  F₁=0.6245353159851301
B³:     R=0.6641867697700511  P=0.7028091265653454  F₁=0.6829523406613327
CEAF_m:R=0.5339987523393637  P=0.7097844112769486  F₁=0.6094695621217515
CEAF_e:R=0.4080304630447505  P=0.76126546822258     F₁=0.5312932221737504
BLANC: R=0.527950203843774   P=0.7494111304382541  F₁=0.6084973724205086
CoNLL-2012 average score: 0.6129269596067377
```

Model_Name : Model_ANCOR_representative_INDIRECTE.model

Train Dataset : representative_INDIRECTE_Train.xlsx

Test Dataset : window_INDIRECTE_Test.xlsx

{'precision_score_pos': 0.06147540983606557, 'recall_score_pos': 0.5487804878048781, 'f1_score_pos': 0.11056511056511056, 'precision_score_neg': 0.9977164722582238, 'recall_score_neg': 0.9592357443778555, 'f1_score_neg': 0.9780977734753147}

MUC: R=0.6   P=0.07155025553662692 F_1=0.1278538812785388
B^3:   R=0.9480392156862745 P=0.37825255102040817 F_1=0.5407531899125879
CEAF_m:R=0.3732620320855615 P=0.38950892857142855 F_1=0.3812124522119061
CEAF_e:R=0.21537286866567312 P=0.6029046323488908 F_1=0.31737228517173294
BLANC: R=0.725935655769822   P=0.5170761328384446 F_1=0.5099439999485182
CoNLL-2012 average score: 0.32865978545428653

Model_Name : Model_ANCOR_window_ANAPHORE.model

Train Dataset : window_ANAPHORE_Train.xlsx

Test Dataset : window_ANAPHORE_Test.xlsx

{'precision_score_pos': 0.6105769230769231, 'recall_score_pos': 0.45195729537366547,
'f1_score_pos': 0.5194274028629857, 'precision_score_neg': 0.9813548035595375,
'recall_score_neg': 0.990105661760215, 'f1_score_neg': 0.9857108111394869}

MUC: R=0.4733178654292343 P=0.6355140186915887 F_1=0.5425531914893617
B^3:   R=0.5326563122262047 P=0.6842757656422254 F_1=0.5990207876041493
CEAF_m:R=0.42054958183990443 P=0.7287784679089027 F_1=0.5333333333333333
CEAF_e:R=0.3201657674564079 P=0.8023907505388987 F_1=0.45770176615247044
BLANC: R=0.394303684674868   P=0.7262600888669322 F_1=0.47633709837047855
CoNLL-2012 average score: 0.5330919150819938

Model_Name : Model_ANCOR_window_DIRECTE.model

Train Dataset : window_DIRECTE_Train.xlsx

Test Dataset : window_DIRECTE_Test.xlsx

{'precision_score_pos': 0.7552083333333334, 'recall_score_pos': 0.5942622950819673, 'f1_score_pos': 0.6651376146788991, 'precision_score_neg': 0.9940870811682494, 'recall_score_neg': 0.9971841111976514, 'f1_score_neg': 0.9956331877729258}

MUC: R=0.6108597285067874 P=0.7584269662921348 F_1=0.6766917293233082
B^3:   R=0.6682590233545648 P=0.8618756371049948 F_1=0.7528176263021124
CEAF_m:R=0.6029723991507431 P=0.8685015290519877 F_1=0.7117794486215538
CEAF_e:R=0.5330031746031746 P=0.8943006285288164 F_1=0.6679237776982138
BLANC: R=0.5245922004867145 P=0.8708920187793427 F_1=0.6464994382819931
CoNLL-2012 average score: 0.6991443777745447

Model_Name : Model_ANCOR_window_Full.model

Train Dataset : window_Full_Train.xlsx

Test Dataset : window_Full_Test.xlsx

{'precision_score_pos': 0.7647058823529411, 'recall_score_pos': 0.48109412711182625,
'f1_score_pos': 0.5906172839506173, 'precision_score_neg': 0.9600693369652696,
'recall_score_neg': 0.9882742798878409, 'f1_score_neg': 0.9739676558329409}

MUC: R=0.5527272727272727 P=0.7768313458262351 F_1=0.6458923512747876
B^3:   R=0.5512583556543528 P=0.7961299773799774 F_1=0.6514429306794975
CEAF_m:R=0.501072194424589   P=0.7894144144144144 F_1=0.6130301705290774
CEAF_e:R=0.422582865498316   P=0.8058556969967886 F_1=0.5544287195337906
BLANC: R=0.43183283472652517 P=0.8032664936454323 F_1=0.5489029461357178
CoNLL-2012 average score: 0.617254667162692

Model_Name : Model_ANCOR_window_INDIRECTE.model

Train Dataset : window_INDIRECTE_Train.xlsx

Test Dataset : window_INDIRECTE_Test.xlsx

{'precision_score_pos': 0.0, 'recall_score_pos': 0.0, 'f1_score_pos': 0.0, 'precision_score_neg': 0.9951573849878934, 'recall_score_neg': 0.9998813267667478, 'f1_score_neg': 0.9975137630971409}

MUC: R=0.0   P=0.0 F_1=0
B^3:   R=0.03125   P=0.5 F_1=0.058823529411764705
CEAF_m:R=0.015625   P=0.5 F_1=0.030303030303030304
CEAF_e:R=0.022988505747126436   P=0.6666666666666666 F_1=0.04444444444444446
BLANC: R=0.00024897298643097225   P=0.5 F_1=0.0004976981460744059
CoNLL-2012 average score: 0.03442265795206972