***Features to Accuracy Chart***

(1 means that feature is used)

PLT:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PL classifier classification value “0” or “1” | 1 | 1 | 1 | 1 | 1 |
| PT classifier classification value “0” or “1” | 1 | 1 | 1 | 1 | 1 |
| OL classifier classification value “0” or “1” | 1 | 1 | 1 | 1 | 1 |
| OT classifier classification value “0” or “1” | 1 | 1 | 1 | 1 | 1 |
| CoExistence(P-L) + CoExistence( P-T) | 1 | 1 |  |  |  |
| CoExistence(P-L-T) | 1 |  |  | 1 |  |
| CoExistence( L-T ) | 1 |  |  |  | 1 |
| ***Training Accuracy*** | ***90.33*** | ***90.16*** | ***90.66*** | ***89.84*** | ***90.33*** |

PL:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| quotation | 1 |  |  |  | 1 | 1 |  |  |
| Count(person\_name) | 1 | 1 | 1 |  | 1 | 1 |  | 1 |
| Count(location\_name) | 1 | 1 | 1 |  | 1 | 1 |  | 1 |
| CoExistence in sentence | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| MatchExist( titled\_location, location\_name) | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 |
| MatchExist( titled\_person, person \_name) | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 |
| entConcentration  for person\_name | 1 | 1 |  | 1 |  | 1 | 1 | 1 |
| entConcentration  for location \_name | 1 | 1 |  | 1 |  | 1 | 1 | 1 |
| summation of ent-concentrations | 1 | 1 |  | 1 |  | 1 | 1 | 1 |
| ***Training Accuracy*** | 89.02 | 88.85 | 85.57 | 83.44 | 87.87 | 88.03 | 82.95 | 88.69 |

PT:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| quotation | 1 |  |  |  | 1 | 1 |  |  |
| Count(person\_name) | 1 | 1 | 1 |  | 1 | 1 |  | 1 |
| Count(time) | 1 | 1 | 1 |  | 1 | 1 |  | 1 |
| CoExistence in sentence | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| MatchExist(titled\_ time, time) | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 |
| MatchExist(titled\_person, person \_name) | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 |
| entConcentration  for person\_name | 1 | 1 |  | 1 |  | 1 | 1 | 1 |
| entConcentration  for time | 1 | 1 |  | 1 |  | 1 | 1 | 1 |
| summation of ent-concentrations | 1 | 1 |  | 1 |  | 1 | 1 | 1 |
| ***Training Accuracy*** | 90.66 | 90 | 81.80 | 86.23 | 87.21 | 89.18 | 87.05 | 89.34 |

OL:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| quotation | 1 |  |  |  | 1 | 1 |  |  |
| Count(ORG\_name) | 1 | 1 | 1 |  | 1 | 1 |  | 1 |
| Count(location\_name) | 1 | 1 | 1 |  | 1 | 1 |  | 1 |
| CoExistence in sentence | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| MatchExist( titled\_location, location\_name) | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 |
| MatchExist(titled\_ORG, ORG \_name) | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 |
| entConcentration  for ORG\_name | 1 | 1 |  | 1 |  | 1 | 1 | 1 |
| entConcentration  for location \_name | 1 | 1 |  | 1 |  | 1 | 1 | 1 |
| summation of ent-concentrations | 1 | 1 |  | 1 |  | 1 | 1 | 1 |
| ***Training Accuracy*** | 98.36 | 98.36 | 97.05 | 97.05 | 97.05 | 98.36 | 97.05 | 98.36 |

OT:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| quotation | 1 |  |  |  | 1 | 1 |  |  |
| Count(ORG\_name) | 1 | 1 | 1 |  | 1 | 1 |  | 1 |
| Count(time) | 1 | 1 | 1 |  | 1 | 1 |  | 1 |
| CoExistence in sentence | 1 | 1 | 1 | 1 | 1 | 1 |  |  |
| MatchExist(titled\_ time, time) | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 |
| MatchExist(titled\_ ORG\_name, ORG\_name) | 1 | 1 | 1 | 1 | 1 |  | 1 | 1 |
| entConcentration  for ORG\_name | 1 | 1 |  | 1 |  | 1 | 1 | 1 |
| entConcentration  for time | 1 | 1 |  | 1 |  | 1 | 1 | 1 |
| summation of ent-concentrations | 1 | 1 |  | 1 |  | 1 | 1 | 1 |
| ***Training Accuracy*** | 99.67 | 99.67 | 99.67 | 99.67 | 99.67 | 99.67 | 99.67 | 99.67 |