|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Precision** | **Recall** | **F-score** | **SVM-Par** |
| #Pictures | 53.0 | 39.6 | 45.4 | c\_SVC RBF C=500 |
| #Formulas | 70.5 | 66.7 | 68.5 | c\_SVC RBF C=1000 |
| #Tables | 72.6 | 69.4 | 71.0 | c\_SVC RBF C=1000 |
| Metadata | 73.5 | 74.8 | 74.1 | NU\_SVC POLY NU=0.5 |
| Title | 64.3 | 56.8 | 60.2 | NU\_SVC LIN NU=0.5 |
| LDA Topic | 78.5 | 75.6 | 77.1 | NU\_SVC RBF NU=0.5 |
| Popular Techniques | 53.0 | 40.5 | 46.0 | NU\_SVC RBF NU=0.5 |
| Author Ranking | 40.3 | 71.2 | 52.5 | NU\_SVC RBF NU=0.5 |
| Metadata+LDA | 81.4 | 82.9 | 82.1 | NU\_SVC POLY NU=0.5 |
| All features | 85.0 | 76.6 | 80.6 | NU\_SVC POLY NU=0.5 |
| All Positive | 43.4 | 100.0 | 60.0 |  |

2012

2010

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Precision** | **Recall** | **F-score** | **SVM-Par** |
| Metadata+LDA | 70.4 | 66.9 | 68.6 | NU\_SVC POLY C=1000 |
| All features | 68.1 | 57.5 | 62.4 | NU\_SVC RBF C=500 |
| All Positive | 35.0 | 100.0 | 51.9 |  |

2007

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Precision** | **Recall** | **F-score** | **SVM-Par** |
| Metadata+LDA | 51.0 | 55.6 | 53.1 | NU\_SVC POLY NU=0.5 |
| All features | 54.4 | 50.5 | 52.3 | NU\_SVC RBF NU=0.5 |
| All Positive | 27.0 | 100.0 | 42.5 |  |