Lexical Features

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Accuracy | Precision | | | Recall | | | Fscore | | |
|  |  | Claim | Arg | Non | Claim | Arg | Non | Claim | Arg | Non |
| SVM | 0.476 | 0.444 | 0.464 | 0.508 | 0.500 | 0.542 | 0.416 | 0.471 | 0.500 | 0.457 |
| Log Reg | 0.503 | 0.541 | 0.456 | 0.529 | 0.313 | 0.483 | 0.597 | 0.396 | 0.469 | 0.561 |

Emotional Word Embeddings

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Accuracy | Precision | | | Recall | | | Fscore | | |
|  |  | Claim | Arg | Non | Claim | Arg | Non | Claim | Arg | Non |
| SVM | 0.485 | 0.355 | 0.475 | 0.576 | 0.516 | 0.398 | 0.539 | 0.420 | 0.433 | 0.557 |
| Log Reg | 0.536 | 0.386 | 0.523 | 0.630 | 0.500 | 0.475 | 0.597 | 0.435 | 0.498 | 0.613 |

Emotional Word Embeddings + Lexical Features

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Accuracy | Precision | | | Recall | | | Fscore | | |
|  |  | Claim | Arg | Non | Claim | Arg | Non | Claim | Arg | Non |
| SVM | 0.488 | 0.458 | 0.451 | 0.560 | 0.594 | 0.551 | 0.396 | 0.517 | 0.496 | 0.464 |
| Log Reg | 0.586 | 0.576 | 0.537 | 0.621 | 0.531 | 0.492 | 0.682 | 0.553 | 0.513 | 0.650 |