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| --- | --- | --- | --- |
| **Model** | **Features** | **English** | **Spanish** |
| **Adaboost**  **A** | **Syllabes**  **Len chars**  **Len tokens**  **Consonant sum**  **Vowel sum**  **Senses** | **macro-F1: 0.73**  **Label Precision Recall F1 Support**  **--------------------------------------------------**  **0 0.76 0.80 0.78 2465**  **1 0.70 0.65 0.67 1787** | **macro-F1: 0.70**  **Label Precision Recall F1 Support**  **--------------------------------------------------**  **0 0.71 0.95 0.81 1326**  **1 0.87 0.43 0.58 907** |
| **Adaboost**  **B** | **Syllables**  **Len chars**  **Len tokens**  **Senses** | **macro-F1: 0.71**  **Label Precision Recall F1 Support**  **--------------------------------------------------**  **0 0.72 0.89 0.79 2465**  **1 0.77 0.52 0.62 1787** | **macro-F1: 0.70**  **Label Precision Recall F1 Support**  **--------------------------------------------------**  **0 0.71 0.95 0.81 1326**  **1 0.87 0.43 0.58 907** |
| **Adaboost**  **C** | **Syllabes**  **Len chars**  **Len tokens**  **Consonant sum**  **Vowel sum**  **Senses**  **Unigram Probabilities** | **macro-F1: 0.74**  **Label Precision Recall F1 Support**  **--------------------------------------------------**  **0 0.77 0.82 0.79 2465**  **1 0.72 0.67 0.69 1787** | **macro-F1: 0.75**  **Label Precision Recall F1 Support**  **--------------------------------------------------**  **0 0.76 0.89 0.82 1326**  **1 0.79 0.59 0.68 907** |
| Adaboost | Syllabes  Len chars  Len tokens  Senses  Unigram Probabilities  (with or without consonant sum or vowel sum same if both not included together) | Vowel  macro-F1: 0.71  Label Precision Recall F1 Support  --------------------------------------------------  0 0.72 0.89 0.79 2465  1 0.77 0.52 0.62 1787  Consonant  macro-F1: 0.73  Label Precision Recall F1 Support  --------------------------------------------------  0 0.76 0.80 0.78 2465  1 0.70 0.65 0.67 1787 | Vowel  macro-F1: 0.70  Label Precision Recall F1 Support  --------------------------------------------------  0 0.71 0.95 0.81 1326  1 0.87 0.43 0.58 907  Consonant  macro-F1: 0.70  Label Precision Recall F1 Support  --------------------------------------------------  0 0.71 0.95 0.81 1326  1 0.87 0.43 0.58 907 |
| Adaboost | Syllabes  Len chars  Len tokens  Consonant sum  Vowel sum  Senses  Unigram Probabilities  Stop words | macro-F1: 0.74  Label Precision Recall F1 Support  --------------------------------------------------  0 0.77 0.82 0.79 2465  1 0.72 0.67 0.69 1787 | macro-F1: 0.75  Label Precision Recall F1 Support  --------------------------------------------------  0 0.76 0.89 0.82 1326  1 0.79 0.59 0.68 907 |
| Adaboost  D | Syllabes  Len chars  Len tokens  Consonant sum  Vowel sum  Senses  Unigram Probabilities  Stop words  Noun Phrase | macro-F1: 0.74  Label Precision Recall F1 Support  --------------------------------------------------  0 0.77 0.82 0.79 2465  1 0.72 0.67 0.69 1787 | macro-F1: 0.75  Label Precision Recall F1 Support  --------------------------------------------------  0 0.76 0.89 0.82 1326  1 0.79 0.59 0.68 907 |
| Adaboost | Syllabes  Len chars  Len tokens  Consonant sum  Vowel sum  Senses  Unigram Probabilities  Stop words  Noun Phrase  Synonym count | macro-F1: 0.74  Label Precision Recall F1 Support  --------------------------------------------------  0 0.76 0.82 0.79 2465  1 0.72 0.65 0.68 1787 | macro-F1: 0.74  Label Precision Recall F1 Support  --------------------------------------------------  0 0.75 0.91 0.82 1326  1 0.81 0.54 0.65 907 |
| Adaboost  E | Syllabes  Len chars  Len tokens  Consonant sum  Vowel sum  Senses  Unigram Probabilities  Stop words  Noun Phrase  Synonym count  Hypernym count | macro-F1: 0.74  Label Precision Recall F1 Support  --------------------------------------------------  0 0.76 0.82 0.79 2465  1 0.72 0.65 0.68 1787 | macro-F1: 0.74  Label Precision Recall F1 Support  --------------------------------------------------  0 0.75 0.91 0.82 1326  1 0.81 0.54 0.65 907 |