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| --- | --- | --- | --- |
| **Model** | **Features** | **English** | **Spanish** |
| Hybrid | **Syllabes**  **Len chars**  **Len tokens**  **Consonant sum**  **Vowel sum**  **Senses** | macro-F1: 0.85  Label Precision Recall F1 Support  --------------------------------------------------  0 0.85 0.91 0.88 2465  1 0.87 0.78 0.82 1787 | macro-F1: 0.79  Label Precision Recall F1 Support  --------------------------------------------------  0 0.77 0.97 0.86 1326  1 0.94 0.58 0.72 907 |
| Hybrid | **Syllables**  **Len chars**  **Len tokens**  **Senses** | macro-F1: 0.79  Label Precision Recall F1 Support  --------------------------------------------------  0 0.79 0.91 0.84 2465  1 0.84 0.66 0.74 1787 | macro-F1: 0.78  Label Precision Recall F1 Support  --------------------------------------------------  0 0.77 0.97 0.86 1326  1 0.93 0.57 0.71 907 |
| Hybrid | **Syllabes**  **Len chars**  **Len tokens**  **Consonant sum**  **Vowel sum**  **Senses**  **Unigram Probabilities** | macro-F1: 0.90  Label Precision Recall F1 Support  --------------------------------------------------  0 0.91 0.93 0.92 2465  1 0.90 0.88 0.89 1787 | macro-F1: 0.86  Label Precision Recall F1 Support  --------------------------------------------------  0 0.84 0.97 0.90 1326  1 0.95 0.73 0.82 907 |
| Hybrid | Syllabes  Len chars  Len tokens  Consonant sum  Vowel sum  Senses  Unigram Probabilities  Stop words  Noun Phrase | macro-F1: 0.91  Label Precision Recall F1 Support  --------------------------------------------------  0 0.91 0.93 0.92 2465  1 0.90 0.88 0.89 1787 | macro-F1: 0.86  Label Precision Recall F1 Support  --------------------------------------------------  0 0.84 0.98 0.90 1326  1 0.95 0.73 0.83 907 |
| Hybrid | Syllabes  Len chars  Len tokens  Consonant sum  Vowel sum  Senses  Unigram Probabilities  Stop words  Noun Phrase  Synonym count  Hypernym count | macro-F1: 0.91  Label Precision Recall F1 Support  --------------------------------------------------  0 0.92 0.93 0.93 2465  1 0.90 0.89 0.89 1787 | macro-F1: 0.87  Label Precision Recall F1 Support  --------------------------------------------------  0 0.85 0.98 0.91 1326  1 0.96 0.75 0.84 907 |