Identification and Classification of Bilingual Language using Natural Language Processing

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Abstract: *This paper presents an efficient approach to language detection and sentiment analysis using Naive Bayes classifiers. The research involves training classifiers on a diverse dataset of text samples in multiple languages. Our method employs vectorization techniques and separate classifiers for language detection and sentiment analysis tasks. Experimental results demonstrate the effectiveness of the classifiers, with high accuracy in identifying the language and sentiment of input text. The approach showcases notable efficiency in processing language detection and sentiment analysis, addressing the growing need for automated text processing solutions*

Keywords: Language Detection, Sentiment Analysis, Naive Bayes Classifier, Text Mining, Machine Learning