Abstract

There are immense efforts to design a complete OCR for most of the world's leading languages, however, multilingual documents either of handwritten or of printed form. As a united attempt, Unicode based OCRs were studied mostly with some positive outcomes, despite the fact that a large character set slows down the recognition significantly. In this paper, we come
out with a method to classify words to a language as the word segmentation is complete. For
the purpose, we identified the characteristics of writings of several languages and utilized
projecting method combined with some other feature extraction methods. In addition, this paper
intends a modified statistical approach to correct the skewness before processing a segmented
document. The proposed procedure, evaluated for a collection of both handwritten and printed
documents, came with excellent outcomes in assigning words to languages.

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Index Terms

Computer Science

Pattern Recognition

Key words

OCR

Multilingual OCR

MOCR

Classification