

AUTOMATED HANDWRITING ANALYSIS FOR HUMAN BEHAVIOR PREDICTION

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ABSTRACT

Handwriting Analysis or Graphology is a study of the physical traits and patterns of handwriting, implying the psychological state of the writer at the time of writing. Handwriting is the reflection of each individual's personality. The writer leaves their identity in the subtle characters of their writing. Handwriting Analysts study the handwriting and predict the behavior of a person based on their skills. To make this more accurate, proposed methodology focuses on computer assisted handwriting analysis by considering 9 features such as size, slant of the words, space between words, breaks in writing, pressure, margin, baseline, loop of 'e' and the distance between title(dot) and stem of 'i'. The estimation accuracy of 93.77% is achieved.

KEYWORDS: Graphology, Cognitive, Brain Writing, Feature Extraction, Behavioural Prediction