

Recognition of Handwritten Arabic Scripts Using SVM and ANN Classifiers

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The paper proposes a hybrid technique between Support Vector Machine (SVM) and Artificial Neural Network (ANN) classifiers for recognition of Arabic handwritten scripts. The technique aims to increase precision rate of the recognition. The technique adopts two stages of classifiers, both extract features of Arabic Scripts. First stage uses SVM classifier, this classifier divides the dataset into two groups of characters, one with dots and another without, it returns a certain retrieval features for each group. The second stage provides the results of the first stage to ANN classifier for more precision of recognition through training.

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