

عنوان مقاله:

Persian Handwritten Digit Recognition by Random Forest and Convolutional Neural Networks

محل انتشار:

نهمین کنفرانس ماشین بینایی و پردازش تصویر ایران (سال: 1394)

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خلاصه مقاله:

Persian handwritten digit recognition has attracted some interests in the research community by introduction of large Hoda dataset. In this paper, the well-known random forest (RF) and convolutional neural network (CNN) algorithms are investigated for Persian handwritten digit recognition on the Hodadataset. Using the Hoda dataset as a standard testbed, we have performed some xperiments with different preprocessing steps, feature types, and baselines. It is then shown that RFs and CNNs perform competitively with the state-of-the-art methods on this dataset, while CNNs .being the fastest if appropriate hardware is available

کلمات کلیدی:

Machine learning, Random forest, Convolutional neural network, Handwritten digit recognition, Persian digits, Hoda dataset

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