Proposing An Image Filtering In Web Using Content Search Techniques Based On Color And Features

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Abstract With increasing usage of Email approach for sending message through internet, some people and firms start to send messages to users of Email services with various contents and intentions, that of course, in most in this users opposed to theses Emails which then, we called them as spam. This phenomenon in fact caused Email performance face with new challenges and most of studies try to find suitable solution for this challenge. Thus , in this thesis we aim to propose a robust method for detection of picto-Email spam which includes several steps. Ftirst images divided to different segments, in order to extract items each image .next step involves with extracting image features through sampling. In final step , by combining random forests and LDA , normal image s are discriminate spam images and this classifier exactly tries to correct detection of images . in order to evaluate proposed method, several experiments are done for determining the amount of training and testing samples, features regulation and segmentation method. Results of these experiments are compared with basic LDA method and in practice,they show significant improvements, since proposed method riches 91.22% enhancement in best cases,which compared to basic method , it shows 3% more improvement. Keywords: image retrieval; image filtering;content mining; spam; color features; texture features; LDA.

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