Classification of Photographs based on Perceived Aesthetic Quality

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Aesthetic Classification

Feature Extraction

Methodology

Experimental Results

Predicted

Actual Label

SVM Gaussian Kernel, \( C=1, \gamma=0.08 \)

10-fold Cross Validation Success

Dataset

Scraped 2300 images from photo.net, each photograph rated between 1 and 7. We only consider photographs rated below 4.3 or above 6.

Classifier Tuning

Selected regularization, gamma, and kernel parameters of SVM via grid search.

K-fold Cross Validation

Performance was measured using 10-fold cross validation. Balanced number of positive/negative examples used.