Aesthetic Quality Assessment of Photographic Images: A Literature Survey

Abstract

Aesthetics is a branch of philosophy which deals with the study of emotions in relation to the sense of beauty. Nowadays, there is a tremendous increase in the use of digital images as a means for representing and communicating information. With the considerable increase of consumer photos, evaluating the quality of photos has become a difficult task. People are more interested in photos that are visually pleasing. The aesthetic beauty of a picture is determined using aesthetic quality factors like prettiness, cuteness, neatness, cuddliness, loveliness etc. Aesthetic quality assessment is a challenging task that require understanding of subjective notions. Aesthetic quality score of an image can be calculated using low level features such as contrast, sharpness, colorfulness etc. This paper provide a survey of aesthetic quality assessment of photographic images and a brief description of existing approaches.

References

1. Xin Lu, Zhe Lin, Jian chao Yang, James Z wang, "RAPID: RAting Plctorial aesthetic using
Deep learning", ACM 2014

9. Luming Zhang, Yue Gao, Roger Zimmermann, Qi Tian, "Fusion of Multichannel Local and Global Structural Cues for Photo Aesthetics Evaluation", IEEE 2014.

Index Terms

Computer Science Image Processing

Keywords

Aesthetic attributes, Aesthetic score, Feature extraction, Image aesthetic assessment