

EMPIRICAL REVIEW ON FACE RECOGNITION MODELS

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Received: 01 Jul 2021

Accepted: 02 Jul 2021

Published: 05 Jul 2021

ABSTRACT

Face (expression) recognition (FR) is a very exciting problem in the area of image processing and computer vision. Any FR system should be savvy to unequivocally detect facial images. Several kinds of features have been considered for face (expression) recognition in past years. It is noticed that some of the simple aggregate statistical features have not attracted the researchers for face (expression) recognition problems. In this paper, our contribution is about feature ordering and discussing the ability of distinguishing and non-distinguishing images. This article explores the ability of representing and classifying facial images through some aggregate statistical features such as mean, standard deviation (Std), Coefficient of Variation (Cv), and 7 invariant (spatial) moments.

KEYWORDS: ANOVA, Mean, STD, CV, IM, Post-Hoc Analysis, Invariant (Spatial) Moments