

Application of some data clustering methods for color image clustering

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Abstract: In practice, color image clustering plays an important role in many applications such as image processing, object recognition, and artificial intelligence. This project aims to study and apply some data clustering methods to the task of color image clustering. The objective of the project is to build an effective system for automatically clustering image samples based on spatial and color features. Through experiments, the project will evaluate the accuracy and stability of these methods in real-world environments. The results of the project not only contribute to improving the quality of image processing but also have broad application significance in many fields of information technology.

Keywords: data clustering, color image clustering, artificial intelligence