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ANALYSIS OF DATA CLUSTERING ALGORITHM BY VARIOUS DISTANCE MEASURES

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The clustering problem has been widely studied since it arises in many knowledge management oriented applications. It aims at identifying the distribution of patterns and intrinsic correlations in data sets by partitioning the data points into similarity clusters. Traditional clustering algorithm use distance functions to measure similarity. Hence in this paper, we analyse various distace measures used to find similarity for finding better cluster. And we propose a similarity measure Combined Standard Deviation (CSD). The performance of proposed measure CSD is tested on synthetic data sets and it compare favorably to widely used similarity measures for data clustering problems.

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