

论文

PP K-MEAN CLUSTERING

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摘要 In this paper, we propose a dimension-reducing, K-mean clustering procedure by Projection Pursuit (PP) technique so as to explore the clustering structure of data in high-dimensional space in terms of low-dimensional projective points of data, and we obtain the a.s. consistence of the estimates of the cluster centers and projection orientations.

关键词 [Projection pursuit](#), [K-mean clustering](#), [a.s](#)

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Abstract In this paper, we propose a dimension-reducing, K-mean clustering procedure by Projection Pursuit (PP) technique so as to explore the clustering structure of data in high-dimensional space in terms of low-dimensional projective points of data, and we obtain the a.s. consistence of the estimates of the cluster centers and projection orientations.

Key words [Projection pursuit](#) [K-mean clustering](#) [a.s. consistence](#)

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