Clustering analysis using a self - organized network inspered by immune algorithm

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Abstrak

An automatic construction of neurons in neural network inspired by immune algorithm is proposed. The new network is combined with the contiguity-constrained method to perform clustering analysis. The applicability of this technique is tested with two widely reference machine-learning cases. The experiment shows that the new technique achieved 99.33% and 100% correctness for Iris plant data and wine recognition data respectively, better than other popular clustering methods.