

COMP6036: Advanced Machine Learning

An investigation into DBSCAN

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Abstract

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1 Introduction

DBSCAN (Density-Based Spatial Clustering of Applications with Noise) is a clustering algorithm with three objectives (Ester et al., 1996).

- Minimise the required domain knowledge needed to set input parameters.
- Have the capability to discover clusters of arbitrary shapes.
- Good performance on large spatial databases.

2 Algorithm Motivation

3 Technical Explanation

4 Conclusion and Further Work

References

Martin Ester, Hans peter Kriegel, Jrg S, and Xiaowei Xu. A density-based algorithm for discovering clusters in large spatial databases with noise. pages 226–231. AAAI Press, 1996.