Abstract

In this paper the survey is done on various challenges that faced during clustering of very large data or fuzzy clustering algorithms that applied over big data in various substantive areas. Big data is a term which is used to define large volume of data. Due to its large size this takes huge volumes to store it thus it is simply inappropriate to use such algorithms that require full data set to analyze data efficiently as data is rapidly increasing and it will require a hard core system to process such larger needs algorithm. In data analysis, clustering plays an important role to find the underlying pattern structure as big data contains so much uncertainty in it, so fuzzy clustering is one of the best methods to capture the uncertainty. In that survey paper we are focusing on the methods and fuzzy algorithms that works well to address fuzzy clustering related problems or challenges.

General terms

Clustering, fuzzy set, problems addressing, analysis.
References


2. Neha Bharill and Aruna Tiwari Handling Big Data with Fuzzy Based Classification Approach, DOI: 10.1007/978-3-319-03674-8_21, Springer International Publishing Switzerland 2014


9. Yangtao Wang, Lihui Chen, Senior Member, IEEE, and Jian-Ping Mei, Member, IEEE, Incremental Fuzzy Clustering With Multiple Medoids for Large Data IEEE TRANSACTIONS ON FUZZY SYSTEMS, VOL. 22, NO. 6, DECEMBER 2014.

Index Terms

Computer Science Fuzzy Systems

Keywords

Big data, Fuzzy clustering algorithm, Fuzzy challenges.