Abstract

Data mining is a set of problem solving skills, instructions and methods applied upon variety of domains to discover and create useful systems that are used to solve practical problems. Clustering technique defines classes and put objects which are related to them in one class on the other hand in classification objects are placed in predefined classes. There are many clustering techniques for the improvement of architecture which are discussed in this paper. This paper also gives comparative study of clustering techniques and addresses benefits and limitations of clustering techniques.

References

1. Lingming Zhang, Ji Zhou, Dan Hao, Lu Zhang, Hong Mei” Prioritizing JUnit Test Cases in Absence of Coverage Information” IEEE 2009.
2. Paolo Tonella, Paolo Avesani, Angelo Susi” Using the Case-Based Ranking Methodology for Test Case Prioritization”. 22nd IEEE International Conference on Software Maintenance


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396-408, ISSN 1665-6423.


20. Eman Abdel-Maksoud, Mohammed Elmogy, Rashid Al-Awadi, Brain tumor segmentation based on a hybrid clustering technique, Egyptian Informatics Journal, Volume 16, Issue 1, March 2015, Pages 71-81, ISSN 1110-8665.


Index Terms

Computer Science  Information Sciences

Keywords

Clustering, Software Engineering, k-means, Outliers.