Abstract

In this paper we humbly present a review of some applications of cluster analysis in the field of agriculture and allied sciences. A few applications among them, which have been discussed...
Application of Cluster Analysis in Agriculture – A Review Article

Here includes hierarchical agglomerative clustering approach, fuzzy clustering, hierarchical divisive clustering and Kohonen self-organizing feature maps along with an application of each of these techniques in the field of agriculture is also presented. Data mining in agriculture is a relatively new research field and the use of cluster analysis has almost been just begun in this area. This is our strong belief that effective techniques can be carved out for solving different agricultural problems of various complexities by intelligent use of data mining and its tools such as cluster analysis.

References

- “Modern Irrigation and Fertigation Methodologies for Higher Yields in Sugarcane” Published By Jain Irrigation Systems Ltd Jalgaon Maharashtra India.
- Govt. of Maharashtra, “Krishi Darshani 2010”, Published By Mahatma Phule Krishi Vidhyapeeth, Rahuri, Maharashtra India, 2010.
- Sindhu R Babu, Dr. Suresh Subramoniam and Dr. Krishnankutty K. V., “Design and development of an expert system for rating the ecotourism destinations”, Conference on Tourism in India-Challenges Ahead, May 2008, IIMK.

Index Terms

Computer Science

Information Sciences

Keywords

Agriculture Data mining Fuzzy clustering

Hierarchical agglomerative clustering

Hierarchical divisive clustering

Kohonen self-organizing feature maps