Abstract

“Incremental-learning” and “Knowledge augmentation” is an important part of “advanced machine learning” field. In this era of internet and 3G the data is populating at tremendous speed. Hence need to implement advance data mining and machine learning concepts to retain the quality of ever increasing data. In this paper we show the application of our newly
designed “incremental clustering” algorithm. This paper also survey two more incremental methods and the comparative study proves that our new algorithm works wonders and give best quality results for effectual decision making, estimation and forecasting any numeric domain data. We have successfully designed generalized algorithm suitable for data from various fields including sales, marketing, software, wine, electricity etc. “Confusion matrix” is used to validate quality of results given by our algorithm.

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**Index Terms**

Computer Science  
Information

**Technology**

**Key words**

incremental clustering  
incremental learning

knowledge augmentation