Comparative Analysis of Genetic k-means and Fuzzy k-modes Approach for Clustering Tweets

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 181
Number 6

Year of Publication: 2018

Authors:
Akash Shrivastava, M. L. Garg

10.5120/ijca2018917461

Abstract

Social media plays a key role in decision making process. The challenge with the social media data is that it is highly categorical in nature. The classification of dataset into some prescribed format is really a tedious task. In this paper, the existing two clustering approaches is being experimented on the twitter datasets i.e. tweets to justify the fact that clustering is really an approach essentially utilized to classify the categorical dataset. Genetic k-means and fuzzy k-modes algorithm is tested on the tweets. Results shown that genetic k-means performs better for tweets classification.

References

2. G. Gan, J. Wu, Z. Yang A genetic fuzzy k-Modes algorithm for clustering categorical data * Department of Mathematics and Statistics, York University, Toronto, Ontario, Canada M3J
1P3.


Index Terms

Computer Science          Fuzzy Systems
Keywords

Genetic k-means, Fuzzy k-modes