

Article Title Analysis of modeling frameworks for knowledge acquisition

Authors Dr Shahnawaz Khan, External

Research Field Computer Science

Abstract

Published in First International Conference on Computer Vision, Networks and Informatics

Publisher Department of Computer Science Publication Type Conference Paper

Country India Vol. 1 Issue ISBN

Article Title Effect of technology integration in education

Authors Dr Shahnawaz Khan

Research Field Computer Science

Abstract

Published in International Journal of Pedagogical Innovations

Publisher University of Bahrain Publication Type Journal Paper

Country Bahrain Vol. 6 Issue 2 ISBN

Article Title Translation divergence patterns handling in English to Urdu Machine translation

Authors Dr Shahnawaz Khan, External

Research Field Computer Science

Abstract

Published in International Journal on Artificial Intelligence Tools

Publisher World Scientific Publishing Publication Type Journal Paper

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Article Title Data clustering using eDE, an enhanced differential evolution algorithm with fuzzy c-mean  
Authors External, Dr.Meera Ramadas  
Research Field Artificial Intelligence

Abstract

Clustering is the way toward sorting out items into groups whose individuals are comparative somehow. It is a gathering of articles that are intelligent inside, yet unmistakably not at all like the items having a place with different groups. Clustering of data plays a major part in efficient customer segmentation, organization of documents, information retrieval, extraction of topics, classification, collaborative filtering, visualization, and indexing. In the area of information retrieval systems, evolutionary algorithms work in a robust and efficient manner for clustering. To overcome the problem of local maxima, various nature-inspired metaheuristic algorithms like particle swarm optimization, artificial bee colony, and firefly algorithms are considered. In this work, a variant of a differential evolution algorithm named enhanced differential evolution (eDE) is created. eDE is incorporated with the fuzzy c-means technique to perform clustering of data.

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Article Title ssFPA/DE: an efficient hybrid differential evolution–flower pollination algorithm based app  
Authors External, Dr.Meera Ramadas  
Research Field Artificial Intelligence

Abstract

Evolutionary algorithm is a field of great interest to many researchers around the world. New algorithms are developed based on biological processes that exist in nature. In addition, different variants of the existing algorithms are also created with researchers working to find the most optimal method. This paper initially introduces Differential Evolution (DE) and Flower Pollination Algorithm (FPA). Subsequently, a description of the hybrid algorithm named ssFPA/DE that uses the search strategy of FPA and DE are explained along with their results.

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