1. Title

Fuzzy rough set based dimensionality reduction in deep leaning technique

2. Abstract

The aim of this proposal is to accurately predict any model using a large data set in data mining, avoiding irrelevant information, instability, and privacy issues that increase low prediction. FRST-based methods for dimensional reduction are handled using symmetrical fitness function and neighborhood (FRNN) classical ranking methods. Solve the optimization problem using density-based clustering of the unsupervised area. Used as data object with density based k-means clustering. The biggest drawback of these algorithms is that they group the centroid near the nearest object and do not focus on cluster boundaries. Considering these challenges, classic neural networks are using the technique of deep learning, moving closer to the edges using technique. Furthermore, the Binary Manipulation Harmony method is manipulated to reduce the processing time and get quicker information.