

# Abstract

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## **dynamically adaptive data clustering using intelligent swarm-like agents**

data clustering plays an important role in effectively navigating, summarizing,organizing information. inspired by the self-organized behavior of bird flocks, a new dynamic clustering approach based on particle swarm optimization is proposed. we introduced the particle swarm-based data clustering (psdc) approach, new particle swarm-like agents for multidimensional data clustering. the distributedcooperative behavior of these agents was so powerful to explore the solution space effectively.