A Comprehensive Survey of the Harmony Search Algorithm in Clustering Applications

Laith Abualigah, Ali Diabat, Zong Woo Geem

The Harmony Search Algorithm (HSA) is a swarm intelligence optimization algorithm which has been successfully applied to a broad range of clustering applications, including data clustering, text clustering, fuzzy clustering, image processing, and wireless sensor networks. We provide a comprehensive survey of the literature on HSA and its variants, analyze its strengths and weaknesses, and suggest future research directions.

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