lybridization of K-Means and Harmony	<sup>7</sup> Search Methods for Web Page ClustePage 1 of 1
	ineshyar NetworkSIGN UN * Kabir University ofSEARCH Technology
Hybridization of K-Means and Harmony Search Authors: <u>Rana Forsati</u> <u>MohammadReza Meybodi</u> <u>Mehrdad Mahdavi</u> <u>AzadehGhari Neiat</u>	Methods for Web Page Clustering 2008 Article 2008 Article 2008 Article Save to Binder Save to Binder Save to Binder Save to Binder Export Formats: Bibliometrics Downloads (6 Weeks): 0 Downloads (12 Months): 0 Citation Count: 0 Citation Count: 0
Published in: • Proceeding WI-IAT '08 Proceedings of the 2008 IEEE/WIC/ACM Inte Intelligent Agent Technology - Volume 01 © 2008 table of contents ISBN: 978-0-7695-3496-1 doi>10. ► Feedback   Switch to single page view (no tabs)	national Conference on Web Intelligence and    109/WIIAT.2008.370
Abstract Authors References Cited Index Terms Clustering is currently one of the most crucial techniques for beyond human being's capacity to digest. Recent studies h the K-means algorithm, is more suitable for large datasets. paper we present novel harmony search clustering algorith method. By modeling clustering as an optimization problem near global optimal clusters within a reasonable time. Cont clustering algorithm performs a globalized search in the en algorithm in three ways to achieve better clustering. The p on the initial parameters such as randomly chosen initial cl the proposed algorithms, K-means clustering algorithm on algorithms can find better clusters when compared to K-me optimum faster than it.	Publicati Reviews Comments Table of Contents r dealing with massive amount of heterogeneous information on the web, which is ive shown that the most commonly used partitioning-based clustering algorithm, However, the K-means algorithm can generate a local optimal solution. In this ns that deal with documents clustering based on harmony search optimization , first, we propose a pure harmony search based clustering algorithm that finds ary to the localized searching of the K-means algorithm, the harmony search ire solution space. Then harmony clustering is integrated with the K-means oposed algorithms improve the K-means algorithm by making it less dependent ister centers, hence more stable. In the experiments we conducted, we applied ive different document datasets. Experimental results reveal that the proposed ans and the quality of clusters is comparable and converge to the best known
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