

Accepted Manuscript

Genetic Algorithm with Healthy Population and Multiple Streams
Sharing Information for Clustering

A.H. Beg , Md Zahidul Islam , Vladimir Estivill-Castro

PII: S0950-7051(16)30372-0
DOI: [10.1016/j.knosys.2016.09.030](https://doi.org/10.1016/j.knosys.2016.09.030)
Reference: KNOSYS 3688



To appear in: *Knowledge-Based Systems*

Received date: 5 January 2016
Revised date: 12 August 2016
Accepted date: 30 September 2016

Please cite this article as: A.H. Beg , Md Zahidul Islam , Vladimir Estivill-Castro , Genetic Algorithm with Healthy Population and Multiple Streams Sharing Information for Clustering, *Knowledge-Based Systems* (2016), doi: [10.1016/j.knosys.2016.09.030](https://doi.org/10.1016/j.knosys.2016.09.030)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights:

- The use of multiple streams.
- Neighbor information sharing among multiple streams.
- High quality initial population selection maintaining some randomness.
- The three steps mutation operation.
- The health improvement operation.
- The global best selection operation.
- It works on datasets having numerical and/or categorical attributes.

Download English Version:

<https://daneshyari.com/en/article/4946443>

Download Persian Version:

<https://daneshyari.com/article/4946443>

[Daneshyari.com](https://daneshyari.com)