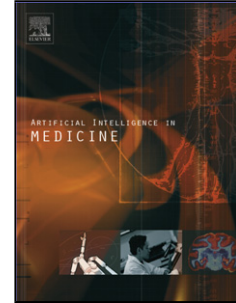


## Accepted Manuscript

Title: A case-based reasoning system based on weighted heterogeneous value distance metric for breast cancer diagnosis

Authors: Dongxiao Gu, Changyong Liang, Huimin Zhao



PII: S0933-3657(16)30163-4  
DOI: <http://dx.doi.org/doi:10.1016/j.artmed.2017.02.003>  
Reference: ARTMED 1502

To appear in: *ARTMED*

Received date: 5-5-2016  
Revised date: 20-1-2017  
Accepted date: 5-2-2017

Please cite this article as: Gu Dongxiao, Liang Changyong, Zhao Huimin. A case-based reasoning system based on weighted heterogeneous value distance metric for breast cancer diagnosis. *Artificial Intelligence in Medicine* <http://dx.doi.org/10.1016/j.artmed.2017.02.003>

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

- This paper presents a case-based reasoning (CBR) system for breast cancer diagnosis.
- The CBR system uses a distance measure, which can deal with both continuous and discrete attributes simultaneously, and a genetic algorithm for learning the attribute weights involved in this distance measure automatically.
- The system is applied and evaluated in two case studies.

Download English Version:

<https://daneshyari.com/en/article/4942231>

Download Persian Version:

<https://daneshyari.com/article/4942231>

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