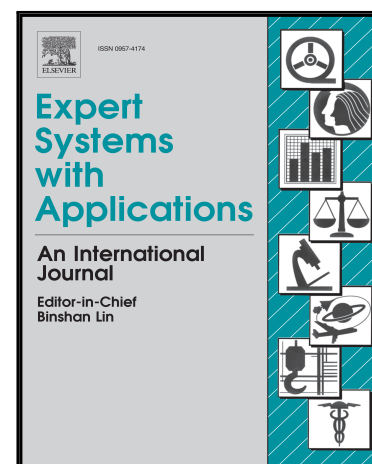


## Accepted Manuscript

Missing value imputation using a novel grey based fuzzy c-means, mutual information based feature selection, and regression model

Amir Masoud Sefidian, Negin Daneshpour

PII: S0957-4174(18)30482-2  
DOI: [10.1016/j.eswa.2018.07.057](https://doi.org/10.1016/j.eswa.2018.07.057)  
Reference: ESWA 12111



To appear in: *Expert Systems With Applications*

Received date: 6 January 2018  
Revised date: 26 May 2018  
Accepted date: 28 July 2018

Please cite this article as: Amir Masoud Sefidian, Negin Daneshpour, Missing value imputation using a novel grey based fuzzy c-means, mutual information based feature selection, and regression model, *Expert Systems With Applications* (2018), doi: [10.1016/j.eswa.2018.07.057](https://doi.org/10.1016/j.eswa.2018.07.057)

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**

- A new hybrid method for the imputation of missing values is proposed.
- The method is based on a novel fuzzy c-means, mutual information, and regression.
- Performance of imputation increases by using Grey in the fuzzy c-means algorithm.
- The proposed method outperforms five existing imputation methods, in most cases.
- The proposed method can also provide high classification accuracies.

Download English Version:

<https://daneshyari.com/en/article/6854641>

Download Persian Version:

<https://daneshyari.com/article/6854641>

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