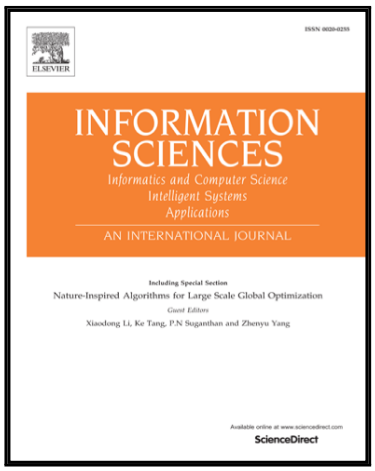

An axiomatic approach to finite means

María J. Campión, Juan C. Candeal, Raquel G. Catalán,
Alfio Giarlotta, Salvatore Greco, Esteban Induráin, Javier Montero

PII: S0020-0255(18)30346-3
DOI: 10.1016/j.ins.2018.04.091
Reference: INS 13658

To appear in: *Information Sciences*

Received date: 20 November 2017
Revised date: 14 March 2018
Accepted date: 29 April 2018

Please cite this article as: María J. Campión, Juan C. Candeal, Raquel G. Catalán, Alfio Giarlotta, Salvatore Greco, Esteban Induráin, Javier Montero, An axiomatic approach to finite means, *Information Sciences* (2018), doi: 10.1016/j.ins.2018.04.091

Highlights

- Study of several kinds of means.
- Definition of a general mean for abstract sets.
- Analysis of iterativity properties of means through functional equations.
- Interdisciplinary applications in Social Choice and Fuzzy Set Theory.