A New Distance Formula for Fuzzy Environment

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 140
Number 5

Year of Publication: 2016

Authors:

A. Praveen Prakash, M.P. Kannan, J. Esther Jerlin

10.5120/ijca2016909297

Abstract

A new distance formula for the two triangular fuzzy numbers is proposed to obtain the best among the alternatives. The newly proposed distance formula is applied in Topsis method, to rank the alternatives according to its closeness coefficient values. This paper consists of four sections. Section one describes the fuzziness that most ladies and others experience in selecting the saree to their taste. Section two gives the proposed distance and its properties. Section three gives the application of the proposed distance in real life situation. And the fourth section gives the conclusion of the problem.

References


Index Terms

Computer Science                Fuzzy Systems

Keywords

Saree selection, Topsis method, Triangular Fuzzy numbers, Distance formula.