Abstract

This article presents the concepts of soft set theory and its relations. It the common observation that more symptoms give more accuracy to calculate the disease, so we enhanced the work (Jafar at el., 2019) from trapezoidal to octagonal symptoms symbolically. So, we have used Sanchez’s Approach in terms of Octagonal fuzzy number. In the end for the better understanding the theory an elaborative example using hypothetical data has also been presented.

References

20. Sanchez, E (1979) Inverse of fuzzy relations, application to possibility distributions and medical diagnosis. Fuzzy Sets Syst. 2(1):75-86

Index Terms
Computer Science
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Keywords

Fuzzy Number (FN), Octagonal Number, Soft Set (SS), Soft Matrix (SM) Sanchez’s Method