FRM TO ANALYZE THE EMPLOYER-EMPLOYEE RELATIONSHIP MODEL

W.B.Vasantha Kandasamy and Yasmin Sultana

In this paper we introduce a new type of neural networks for unsupervised data analogous to the Fuzzy cognitive Maps (FCMs) called Fuzzy Relational Maps (FRMs). In FCMs causal associations are made among concurrently active units and in all cases, all the causal concepts are taken together and their association marked by edges, which always result in a square matrix called the connection matrix. But in FRMs we don't put all the causal concepts together but we divide them into two disjoint classes. Just for the sake of distinction between the two classes we name them as domain space and range space.

The FRMs take edge values from the set \( \{0, \pm 1\} \). If the number of concepts in the domain space is \( n \), and that of the range space is \( m \).
we get a $m \times n$ causal relational matrix which we call as relational matrix. In this paper we use FRMs to study the relation between the employee and employer by constructing a employee employer model.