

An Analysis of Risk Factors of Breast Cancer Using Interval Weighted Fuzzy Cognitive Maps (IWFCMs)

J.Janet Sheeba, A.Victor Devadoss, M.Albert William

Department of Mathematics, Loyola College, Chennai

Abstract

Cancer begins when cells in a part of the body start to grow out of control. Cancer cell growth is different from normal cell growth. Instead of dying, cancer cells continue to grow and form new, abnormal cells. There are many types of cancer. Breast cancer is the second most commonly diagnosed cancer in the world. The risk factors of breast cancer as it are the second major cause of cancer death in among women. FCM have been applied in many fields successfully to show the relationship between the nodes. In this paper analyzing the risk factors of breast cancer by using the (IWFCMs) which is the combination of the Fuzzy Cognitive Maps (FCMs) and CETD matrix in which indeterminacy is included. It has also become very essential that the notion of logic plays a vital role in several of the real world problems like law, medicine, industry, finance, IT, stocks and share etc.
