Abstract

HIV/AIDS has gained popularity and sufficient research time in the last two centuries. Research has shown that it is most predominant in people between the ages of 15-50. A lot of government and nongovernment organizations have been actively involved in finding ways to help monitor and curb the spread of the disease. Hitherto, there is no clear relevant predictive service available to HIV/AIDS control and research agencies. In this paper, the artificial neural network (ANN) is used in the prediction of prevalence and spread of HIV/AIDS. Results from a detailed analysis of a sample data used prove the robustness of the method.

References

The Prediction of Prevalence and Spread of HIV/AIDS using Artificial Neural Network – The Case of Rivers State in the Niger Delta, Nigeria

Wiley, Chichester.
- Owolabi, O. and Baridam, B. B.  2011 Predicting Mortality in Hepatitis-C Patients Using an Artificial Neural Network. Global Journal of Pure and Applied Science, Volume 17, No. 2, Pages 159-164,
- Patterson, D, 1996.  Artificial Neural Networks.  Prentice Hall, Singapore
The Prediction of Prevalence and Spread of HIV/AIDS using Artificial Neural Network – The Case of Rivers State in the Niger Delta, Nigeria

M. Cengiz Çolak, Cemil Çolak, Hasan Kocatürk, Seref Sagiroğlu, Irfan Barutçu 2008 Predicting coronary artery disease using different artificial neural network models, CAD and Artificial Neural Network, Volume 8, pages 249-254,


Index Terms

Computer Science Artificial Intelligence

Keywords

Hiv/aids Prediction Artificial Neural Network