Abstract

This paper proposes to use of hybrid genetic algorithm with artificial neural networks technique for diagnosing the Breast Cancer in order to give more accuracy than using neural network, since the performance of hybrid genetic algorithm with artificial neural networks for diagnosis of the Breast Cancer can measure by the value of fitness function. The number of hidden layers in the neural network has a significant effect on the classification performance and the best diagnoses performance average is attained when the number of layers equal three. The result by the using of GANN technique up to 94%.

References

Breast Cancer Diagnosis based on Genetic Algorithms and Neural Networks


Index Terms

Computer Science
Artificial Intelligence

Keywords

Classification; Neural network; Genetic Algorithms; Breast Cancer; Performance.