Abstract

Educational Data Mining able to gain a handsome amount of attention of the researcher of educational technology in recent times. In this paper, Recurrent Neural Network (RNN) is used to predict a student's final result. RNN is a variant of neural network that can handle time series data. The final term class is predicted using the first and second term class along with fifteen others features of a student. This analysis help the teacher to identify the students, who are ‘at risk’ and based on that he can offer proper remedy to them. In this paper, a comparison based study is also made with Artificial Neural Network and Deep Neural Network with the proposed Recurrent Neural Network.

References


Index Terms

Computer Science
System Architecture

Keywords
An Approach to Predict a Student's Academic Performance using Recurrent Neural Network (RNN)

Educational Data Mining, Recurrent Neural Network (RNN), Artificial Neural Network (ANN), Deep Neural Network (DNN)