

Modeling of Supply Chain Demand Forecasting Using Neural Networks (Case Study: Wood and Paper industries_Iran- Chouka)

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With increasing competition in the business world and the emergence and development of new technologies, many companies have been turning to integration with the goal of reducing costs and establishing close connections between suppliers and distributors around the world. Considering that there are very few attempts to model the order quantity and delivery time, this paper presents a model that provides multi-stage supply chain, in two stages of forecasting, customer demand, inventory, factory production To order suppliers. Given the proven power of the neural network in modeling, this intelligent algorithm has been used to predict the supply chain. Data the Iranian Wood and Paper Co. (Chouka) have been used for research modeling. Due to the forecast error 6.4208×10^{-6} , the neural network at the storage stage and the error of 1.9882×10^{-7} at the factory stage, showed a high power of the neural network in supply chain modeling

Keywords : Supply Chain, Prediction, Neural Network, Industry, Modeling

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