

Retail Store Stock Inventory Analytics

LITERATURE SURVEY

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Analysis of Different Inventory Control Techniques

Authors : C. L. Karmaker, Ariful Islam, Nazmul Hossain, Shamim Ahmed published in 2010

A small saving in the inventory will mirror a crucial edge in benefit of the organisation. In Bangladesh, the retail shops generally face two types of inventory related problems which are either stock-out or overstock. As a result, most of the shops fail to maintain their product availability with lowest possible inventory cost. Through proper inventory control techniques, probability of stock-out as well as overstock situations in the retail shops can be minimised.

Mathematical Models of Retailer Inventory Systems

Authors : [Steven Nahmias](#) & [Stephen A. Smith](#) published in 1993

Retail inventory management must deal with unique problems and complexities. By the nature of their business, major retailers hold stock at many geographically dispersed locations at anywhere from several hundred to thousands of stores for the typical retailing chain.

Retail surveying and inventory using visual and textual analysis

Author : Mirco Sturari

Published in 2017

The manpower cost for surveying and monitoring the shelves in retail stores are high, because of which these activities are not repeated frequently causing reduced customer satisfaction and loss of revenue. Further, the accuracy of data collected may be improved by avoiding human related factors. Hence managing retail stock is very useful.

Inventory management in retail industry - Application of big data analytics

Author : Hien Vu Published in December 2018

The retail industry is becoming rigorously competitive and narrowly profitable that retailers find themselves in a dilemma of neither excessive in-stock nor depleted out-of-stock is negotiable. The report finds the prospects of integrating BDA in the conventional inventory management techniques and promoting the viability and appropriateness of these models in the big-data era.

