

IBM – NAALAIYA THIRAN
RETAIL STORE STOCK INVENTORY ANALYTICS

LITERATURE SURVEY

Faculty Mentor

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1.

Inventory management in retail industry - Application of big data analytics

Author : Hien Vu

https://www.researchgate.net/publication/329526158_Inventory_management_in_retail_industry_-_Application_of_big_data_analytics

Retailers are faced with a dilemma where neither an excess of inventory on hand nor a running out of stock is negotiable as the retail sector becomes increasingly highly competitive and narrowly profitable. A thorough analysis of important inventory management strategies that have historically been employed by retailers on a large scale. The trade-off between shortage cost and overage cost is identified in the paper as the fundamental issue with inventory management. Once more, the "performance frontier" graph shows that introducing innovative is a practical way to change the efficiency curve. BDA is that innovative in this scenario. The research identifies opportunities for incorporating BDA into traditional inventory management methods and boosting the applicability and feasibility of these models in the big-data environment.

2.

Inventory management for retail companies: A literature review and current trends

Author : 1.Cinthya VanessaMunoz, Jorge Andres Espinoza Aguirre, RodrigoArcentales-Carrion & Mario Pena

https://www.researchgate.net/publication/352235223_Inventory_management_for_retail_companies_A_literature_review_and_current_trends

To identify the primary trends and indicators of inventory management in Small and Medium-sized Enterprises, a systematic literature study was conducted (SMEs). The five-year study period between 2015 and 2019 mainly focuses on the retail industry. The main findings of this study include the top inventory control and management models, the Key Performance Indicators (KPIs) for managing them correctly, and the advantages and difficulties of selecting or implementing an effective system.

3.

The Research & Application of Business Intelligence System in Retail Industry

Author : Tong Gang, Cui Kai & Song Bei

https://www.researchgate.net/publication/224331821_The_Research_Application_of_Business_Intelligence_System_in_Retail_Industry

This paper provides an overview of business intelligence, details its primary technologies, and discusses the development and use of business intelligence systems in the retail sector. The system's essential components are business subject and dimension design, ETL tool design, data display middleware design, and the primary innovation.