IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 7, June 2023

A Study on Sales Forecasting during Festival Season with Special Reference to Reliance Smart Bazar IT Park, Nagpur

Pooja Sharma and Prof. Tanu Gautam Jhulelal Institute of Technology, Nagpur, India

Abstract: Sales forecasting is the process of estimating a company's sales revenue for a specific time period – commonly a month, quarter, or year. A sales forecast is prediction of how much a company will sell in the future. Sales forecasting is an important part related to supply chain management and operations between the retailer and manufacturers. Manufacturer needs to predict the actual future demand to inform production planning. Similarly, retailers need to predict sales for purchasing decision and minimize the capital costs. So, it depends upon the end users. Sales forecasting is the most challenging task for the inventory management, marketing, customer service and Business financial planning for the information technology chain store. To develop sales forecasting accurate model, it is a very difficult task due to multiple reasons like over forecasting model that increases operation cost and generates unnecessary products and under forecasting model lose customer satisfaction and its sales opportunities. Accurate and robust sales forecasting results can lead to customer satisfaction, enhanced channel relationships, and significant monetary savings. The aim of this research work is to investigate the various sales forecasting method executed in financial area of Reliance Smart Bazar, sales forecasting allows companies to efficiently allocate resources for future growth and manage its cash flow. Sales forecasting also helps businesses to estimate their costs and revenue accurately based on which they can predict their short-term and long- term performance.

Keywords: Sales forecasting, supply chain management, channel relationships, Customer Service

REFERENCES

[1]ÁLVAREZ-DÍAZ, M., GONZÁLEZ-GÓMEZ, M. & OTEROGIRÁLDEZ, M. S.2018. Forecasting international tourism demand using a non-linear autoregressive neural network and genetic programming. Forecasting, 1, 7.
[2]. BALLON, R. 2004. Business logistics/supply chain management. Planning, organizing and controlling the supply

chain. [3]. CATAL, C., KAAN, E., ARSLAN, B. & AKBULUT, A. 2019. Benchmarking of

regression algorithms and time series analysis techniques for sales forecasting. Balkan Journal of Electrical and Computer Engineering, 7, 20-26.

[4]. CHAI, T. & DRAXLER, R. R. 2014. Root mean square error (RMSE) or mean absolute error (MAE). Geoscientific Model Development Discussions, 7, 1525-1534. [5]. DEO, R. C., KISI, O. & SINGH, V. P. 2017. Drought forecasting in eastern Australia using multivariate adaptive regression spline, least square support vector machine and M5Tree model. Atmospheric 59 Research, 184, 149-175.

[6]. FENG, G., HUANG, G.-B., LIN, Q. & GAY, R. 2009. Error minimized extreme learning machine with growth of hidden nodes and incremental learning. IEEE Transactions on Neural Networks, 20, 1352-1357.

[7]. GLYNN, J., PERERA, N. & VERMA, R. 2007. Unit root tests and structural breaks: A survey with applications.

[8]. HOFMANN, E. 2013. Supply Chain Management: Strategy, Planning and Operation, S. Chopra, P. Mendl. Elsevier Science.

[9] Christopher (1992) "Logistics & Supply Chain Management"

[10] https://www.ehitavada.com/

[11] https://www.lokmat.com/

Copyright to IJARSCT www.ijarsct.co.in DOI: 10.48175/IJARSCT-12575



349

IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 7, June 2023

[12] https://economictimes.indiatimes.com/

[13] https://indianexpress.com/

