



A Conceptual Modeling Framework to Measure the Effectiveness using ML in Business Analytics

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Abstract: *The purpose of this article is to introduce price analytics as a tool for business. Improving outcomes using supervised machine learning for find solutions to the challenges of determining appropriate pricing for a variety of goods and shopping for goods at the best possible price. Important and necessary important to do research on business analytics many factors, dimensions, and methods for enhancing productivity of business processes, managerial effectiveness, and decision making to get an edge in the market. The use of Machine Learning in the workplace can improve results in allowing us to make prompt, informed judgments based on the data we've stored knowledge. Methods such as supervised learning are used to achievement in business, both qualitatively and quantitatively, by the entrepreneur. In this step, we accomplish this after determining the optimal pricing and distributing it. Instantly update the costs of anything in stock. Because of this, it's possible that the operational effectiveness and efficiency by the highest possible profit, the rate of all of the bookkeeping work and determining the best possible pricing to reach the goal set by the business owners. To summarize, it may be argued that Because of the incredibly competitive corporate environment, cutting-edge scientific research is needed. In particular machine learning technologies with the rise of supervised learning, data mining methods, and corporate optimization of prices in a corporate setting using analytics essential, number one, must-have, etc. Machine learning with an instructor is called supervised learning. By entering the system's recommendations on what to do and what not to do the right values for the variables to get the expected outcome. Some of the many facets of in the corporate world, including domains, orientations, and methodologies..*

Keywords: Machine Learning

REFERENCES

- [1]. The Royal Society, "Machine learning: the power and promise of computers that learn by example". Available at: <https://royalsociety.org>. Accessed on 3/4/2020.
- [2]. Ying Liu, Henry Han, and Joan E. DeBello. "The Challenges of Business Analytics: Successes and Failures." Proceedings of the 51st Hawaii International Conference on System Sciences j 2018.
- [3]. Clyde Holsapple, Anita Lee-Post, and Ram Pakath. "Aunified foundation for business analytics." Decision Support Systems 64 (2014) 130–141.
- [4]. Ariruna Dasgupta, and Asoke Nath. "Classification of Machine Learning Algorithms." International Journal of Innovative Research in Advanced Engineering(IJIRAE) ISSN: 2349-2763 Issue 03, Volume 3 (March 2016)
- [5]. R. P. Ram Kumar, Sanjeeva Polepaka, Lazarus S F, and Dasari Vamsi Krishna "An Insight on Machine Learning Algorithms and its Applications." International Journal of Innovative Technology and Exploring Engineering(IJITEE) ISSN: 2278-3075, Volume-8, Issue-11S2, September 2019
- [6]. Kopelo Letou, Dhruwajita Devi, and Y. Jayanta Singh."Host-based Intrusion Detection and Prevention System (HIDPS)." International Journal of Computer Applications (0975 – 8887)Volume 69– No.26, May 2013.
- [7].



- [8]. White, D. Business Predictive Analytics: Tools and Technologies. In Data Analytics in Marketing, Entrepreneurship, and Innovation; Auerbach Publications: New York, NY, USA, 2021; pp. 31–51.
- [9]. Wang, H.; Li, Z. The application of machine learning and deep learning to Ophthalmology: A bibliometric study (2000–2021). Preprints 2021, 2021110080.
- [10]. Liu, J.-W.; Huang, L.-C. Detecting and visualizing emerging trends and transient patterns in fuel cell scientific literature. In Proceedings of the 2008 4th International Conference on Wireless Communications, Networking and Mobile Computing, Dalian, China, 12–17 October 2008; pp. 1–4.
- [11]. Dubey, R.; Gunasekaran, A. Education and training for successful career in big data and business analytics. *Ind. Commer. Train.* 2015, 47, 174–181. [CrossRef]
- [12]. Wamba, S.F.; Akter, S.; Edwards, A.; Chopin, G.; Gnanzou, D. How ‘big data’ can make big impact: Findings from a systematic review and a longitudinal case study. *Int. J. Prod. Econ.* 2015, 165, 234–246. [CrossRef]