AJMR: Asian Journal of Multidimensional Research
ISSN: 2278-4853 Vol. 11, Issue 1, January 2022 SJIF 2021 = 7.699
A peer reviewed journal

CLASSIFICATION OF DATA IN ERP SYSTEMS USING DECISION TREE ALGORITHMS

Farrukh Suyarov*

*Master Student,
Fergana branch of Tashkent University of Information Technologies,
Named after Muhammad al Khwarizmi,
Fergana, UZBEKISTAN
Email id: suyarov.f@gmail.com

DOI: 10.5958/2278-4853.2022.00010.6

ABSTRACT

ERP systems has become indispensable for business intelligence, varying from small enterprises to multinational corporations. Its significance as a hub for enterprise data analysis will develop exponentially throughout the next years. In terms of the recent developments in machine learning and artificial intelligence, using intelligent classification techniques for data analysis will hereby be the supreme exciting area. As the extensive usage of ERP systems increase, great volume of business information gets generated and managing such large information automatically becomes a challenging task. The accurate classification of data also becomes an additional multifarious task. It is an essential part for operative ERP applications and classical machine learning problems. This paper presents an overview of machine learning principles using decision trees to classify data in ERP systems, which can greatly benefit legacy systems, not powered with machine learning tools.

KEYWORDS: *Machine Learning, Data Analytics, Decision Trees, Algorithms, Classifier.*

REFERENCES:

1. James G, Witten D, Hastie T, Tibshirani R. an Introduction to Statistical Learning: With Applications in R. New York: Springer; 2013.
2. Tan P, Steinbach M, Kumar V. Introduction to Data Mining. Addison Wesley; 2005.
3. Muthuraman S, Vidyapeetham AV. Data Classification Using Machine Learning Approach. Conference Paper. 2018.
4. Qayyum1 S, Abbasi A. Framework to Enhance Erp Usability By Machine Learning Based Requirements Prioritization. Journal of Software. 2017.
5. Akbarov DE, Umarov SA, Toychiboyev AEU. Algorithm of the Electronic Digital Subscript On The Basis of the Composition of Computing Complexities. The American Journal of Engineering and Technology. 2021;3(4):102-107.
6. Abdurakhmonova MM, Ugli Mirzayev MA, Karimov UU, Karimova GY. Information Culture And Ethical Education In The Globalization Century. The American Journal of Social Science and Education Innovations, 2021;3(03):384-388.

7. Akbarov DE, Umarov ShA. The Application of Logical Operations and Tabular Transformation in the Base Assents of Hash-Function Algorithms. Computer Reviews Journal. 2020;6:11-18.

8. Karimov UU, Karimova GY. The Importance Of Innovative Technologies In Achieving Educational Effectiveness. Журнал Естественных Наук, 2021;1(1).

9. Umarov SA, Akbarov DE. Working out the New Algorithm Enciphered the Data with a Symmetric Key. Journal of Siberian Federal University. Engineering & Technologies. 2016;9(2):214.

10. Abdurakhmonova M, Karimova G, Karimova M. Role of Ethical Culture in Preventing Violence among Spupils. Интернаука, 2021;(11-2):50-51.

11. Bakhtiyor A, Shuxratjon U. View of Models of Multiple Valuable Boolean Functions As Well As Implementation in Cryptographic Reflections. Proceedings of International Conference on Application of Information and Communication Technology and Statistics in Economy and Education, 2016. Pp.91-95.

12. Khusanova MK. Analysis of Discrete Convolution in the Matlab Program. Scientific Progress, 2021;2(4):1023-1028.

13. Karimov U, Abdurakhmon A. Innovative Information Technology in Education. Форум Молодых Ученых, 2017;(5):9-12.

14. Karimov A, Muxammadjonov X. Information Technologies: Information Education and Informatics. Экономика И Социум. 2020;8:40-43.

15. Suyumov JY. Theoretical Basis of Active Teaching Technology on The Basis of Computer Imitation Models. Academicia: An International Multidisciplinary Research Journal, 2021;11(7):205-210.

16. Каримов УУ. Рольсредствмассовойинформациивпроцессеглобализации. In Перспективные Информационные Технологии 2017; pp. 1189-1192.

17. Каримов Ў, Каримова Г. Ахборот Оқими Ва Ахборот Маданиятининг Шаклланиш Тенденциялари. Scientific Progress, 2021;2(3):743-750.

18. Suyumov J, Madaliyeva G, Xakimova K. Imitation Modeling Technologies in Higher Educational Process. Теория И Практика Современной Науки, 2021;(5):18-21.