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Education Information

Doctorate, University of Portsmouth, England 2018 - 2021

Research Areas

Computer Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Session context data integration to address the cold start problem in e-commerce recommender systems**
Eşmeli R., Abdullahi H., Bader-El-Den M., Can A. S.
DECISION SUPPORT SYSTEMS, vol.187, pp.1-11, 2024 (SCI-Expanded)

II. **An analyses of the effect of using contextual and loyalty features on early purchase prediction of shoppers in e-commerce domain**
Esmeli R., Bader-El-Den M., Abdullahi H.
Journal of Business Research, vol.147, pp.420-434, 2022 (SSCI)

III. **A conceptual framework for a multi-criteria decision support tool to select technologies for resource recovery from urban wastewater**
Sucu S., van Schaik M. O., Esmeli R., Ouelhadj D., Holloway T., Williams J. B., Cruddas P., Martinson D. B., Chen W., Cappon H. J.
Journal of Environmental Management, vol.300, 2021 (SCI-Expanded)

IV. **Towards early purchase intention prediction in online session based retailing systems**
Esmeli R., Bader-El-Den M., Abdullahi H.
Electronic Markets, vol.31, no.3, pp.697-715, 2021 (SSCI)

Articles Published in Other Journals

I. **Optimizing ICU Care: Machine Learning and PCA for Early Prediction of Renal Replacement Therapy Requirement**
Mahmoud M., Bader M., McNicholas J., Eşmeli R.

Studies in health technology and informatics, vol.316, pp.879-883, 2024 (Scopus)

II. **Implicit Feedback Awareness for Session Based Recommendation in E-Commerce**
Esmeli R., Bader-El-Den M., Abdullahi H., Henderson D.
SN Computer Science, vol.4, no.3, 2023 (Scopus)

III. **Bright ideas made easy**
Ouelhadj D., Abdullahi H., Esmeli R.
Highways, vol.90, no.8, pp.40-42, 2021 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. **Bias in Recommender Systems: Item Price Perspective**
Eşmeli R., Abdullahi H., Bader-El-Den M., Al-Gburi A.
ARTIFICIAL INTELLIGENCE XL, AI 2023, vol.14381, pp.421-433

II. **Improved Session-based Recommender System by Context Awareness in e-Commerce Domain**
Esmeli R., Bader-El-Den M., Abdullahi H., Henderson D.
13th International Conference on Knowledge Discovery and Information Retrieval, KDIR 2021 as part of 13th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management, IC3K 2021, Virtual, Online, 25 - 27 October 2022, vol.1, pp.37-47

III. **Using Word2Vec Recommendation for Improved Purchase Prediction**
Esmeli R., Bader-El-Den M., Abdullahi H.
2020 International Joint Conference on Neural Networks, IJCNN 2020, Virtual, Glasgow, England, 19 - 24 July 2020

IV. **Improving Session-Based Recommendation Adopting Linear Regression-Based Re-ranking**
Esmeli R., Bader-El-Den M., Abdullahi H., Henderson D.
2020 International Joint Conference on Neural Networks, IJCNN 2020, Virtual, Glasgow, England, 19 - 24 July 2020

V. **Analysing the effect of platform and operating system features on predicting consumers' purchase intent using machine learning algorithms**
Esmeli R., Mohasseb A., Bader-El-Den M.
12th International Conference on Knowledge Discovery and Information Retrieval, KDIR 2020 - Part of the 12th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management, IC3K 2020, Virtual, Online, 2 - 04 November 2020, vol.1, pp.333-340

VI. **Improving Session Based Recommendation by Diversity Awareness**
Esmeli R., Bader-El-Den M., Abdullahi H.
19th Annual UK Workshop on Computational Intelligence, UKCI 2019, Portsmouth, England, 4 - 06 September 2019, vol.1043, pp.319-330

VII. **Session similarity based approach for alleviating cold-start session problem in e-commerce for top-n recommendations**
Esmeli R., Bader-El-Den M., Abdullahi H.
12th International Conference on Knowledge Discovery and Information Retrieval, KDIR 2020 - Part of the 12th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management, IC3K 2020, Virtual, Online, 2 - 04 November 2020, vol.1, pp.179-186

VIII. **Context and Short Term User Intention Aware Hybrid Session Based Recommendation System**
Esmeli R., Bader-El-Den M., Mohasseb A.
2019 IEEE International Symposium on INnovations in Intelligent SysTems and Applications, INISTA 2019, Sofija, Bulgaria, 3 - 05 July 2019

IX. **Comparison of platforms for recommender algorithm on large datasets**
Diedhiou C., Carpenter B., Esmeli R.
7th Imperial College Computing Student Workshop, ICCSW 2018, London, England, 20 - 21 September 2018, vol.66

X. **Performance Comparison of a Parallel Recommender Algorithm Across Three Hadoop-Based Frameworks**
Diedhiou C., Carpenter B., Shafi A., Sarkar S., Esmeli R., Gadsdon R.

30th International Symposium on Computer Architecture and High Performance Computing, SBAC-PAD 2018, Lyon, France, 24 - 27 September 2018, pp.380-387

Metrics

Publication: 17
Citation (Scopus): 126
H-Index (Scopus): 6