DAFTAR PUSTAKA

[1]   D. Roy and M. Dutta, "A systematic review and research perspective on recommender systems," *J. Big Data*, vol. 9, no. 1, 2022, doi: 10.1186/s40537-022-00592-5.

[2]   Y. Afoudi, M. Lazaar, and M. Al Achhab, "Hybrid recommendation system combined content-based filtering and collaborative prediction using artificial neural network," *Simul. Model. Pract. Theory*, vol. 113, no. June, p. 102375, 2021, doi: 10.1016/j.simpat.2021.102375.

[3]   M. Rojszczak, "Online content filtering in EU law – A coherent framework or jigsaw puzzle?," *Comput. Law Secur. Rev.*, vol. 47, p. 105739, 2022, doi: 10.1016/j.clsr.2022.105739.

[4]   J. A. Diaz-Garcia, M. D. Ruiz, and M. J. Martin-Bautista, "NOFACE: A new framework for irrelevant content filtering in social media according to credibility and expertise," *Expert Syst. Appl.*, vol. 208, no. July, 2022, doi: 10.1016/j.eswa.2022.118063.

[5]   A. Yassine, L. Mohamed, and M. Al Achhab, "Intelligent recommender system based on unsupervised machine learning and demographic attributes," *Simul. Model. Pract. Theory*, vol. 107, p. 102198, 2021, doi: 10.1016/j.simpat.2020.102198.

[6]   M. Sharma, B. Pant, and V. Singh, "Demographic profile building for cold start in recommender system: A social media fusion approach," *Mater. Today Proc.*, vol. 46, no. xxxx, pp. 11208–11212, 2021, doi: 10.1016/j.matpr.2021.02.428.

[7]   Mohamad Fahmi Hafidz and Sri Lestari, "Solution to Scalability and Sparsity Problems in Collaborative Filtering using K-Means Clustering and Weight Point Rank (WP-Rank)," *J. RESTI (Rekayasa Sist. dan Teknol. Informasi)*, vol. 7, no. 4, pp. 743–750, 2023, doi: 10.29207/resti.v7i4.4543.

[8]   H. Khojamli and J. Razmara, "Survey of similarity functions on neighborhood-based collaborative filtering," *Expert Syst. Appl.*, vol. 185, no. June, p. 115482, 2021, doi: 10.1016/j.eswa.2021.115482.

[9]   K. Kobyshev, N. Voinov, and I. Nikiforov, "Hybrid image recommendation algorithm combining content and collaborative filtering approaches," *Procedia Comput. Sci.*, vol. 193, pp. 200–209, 2021, doi: 10.1016/j.procs.2021.10.020.

[10]   Y. Zhang, Z. Liu, and C. Sang, "Unifying paragraph embeddings and neural collaborative filtering for hybrid recommendation," *Appl. Soft Comput.*, vol. 106, p. 107345, 2021, doi: 10.1016/j.asoc.2021.107345.

[11]   H. Yan and Y. Tang, "Collaborative Filtering Based on Gaussian Mixture Model and Improved Jaccard Similarity," *IEEE Access*, vol. 7, pp. 118690–118701, 2019, doi: 10.1109/ACCESS.2019.2936630.

[12]   M. H. Mohamed, M. H. Khafagy, H. Elbeh, and A. M. Abdalla, "Sparsity and cold start recommendation system challenges solved by hybrid feedback," *Int. J. Eng. Res. Technol.*, vol. 12, no. 12, pp. 2735–2742, 2019.

[13]   B. Alhijawi, G. Al-Naymat, N. Obeid, and A. Awajan, "Mitigating the Effect of Data Sparsity: A Case Study on Collaborative Filtering

Recommender System," *2019 2nd Int. Conf. New Trends Comput. Sci. ICTCS 2019 - Proc.*, pp. 1–6, 2019, doi: 10.1109/ICTCS.2019.8923064.

[14] P. Yu, "Merging attribute characteristics in collaborative filtering to alleviate data sparsity and cold start," *Proc. 2019 IEEE 3rd Inf. Technol. Networking, Electron. Autom. Control Conf. ITNEC 2019*, no. Itnec, pp. 569–573, 2019, doi: 10.1109/ITNEC.2019.8729461.

[15] K. Phiwhorm, C. Saikaew, C. K. Leung, P. Polpinit, and K. R. Saikaew, "Adaptive multiple imputations of missing values using the class center," *J. Big Data*, vol. 9, no. 1, 2022, doi: 10.1186/s40537-022-00608-0.

[16] M. Kowsher, N. J. Prottasha, A. Tahabilder, K. Habib, M. Abdur-Rakib, and M. Shameem Alam, "Predicting the Appropriate Mode of Childbirth using Machine Learning Algorithm," *Int. J. Adv. Comput. Sci. Appl.*, vol. 12, no. 5, pp. 700–708, 2021, doi: 10.14569/IJACSA.2021.0120582.

[17] A. Fadlil, Herman, and M. Dikky Praseptian, "Single Imputation Using Statistics-Based and K Nearest Neighbor Methods for Numerical Datasets," *Ing. des Syst. d'Information*, vol. 28, no. 2, pp. 451–459, 2023, doi: 10.18280/isi.280221.

[18] N. Pandey, P. K. Patnaik, and S. Gupta, "Data Pre Processing for Machine Learning Models using Python Libraries," *Int. J. Eng. Adv. Technol.*, vol. 9, no. 4, pp. 1995–1999, 2020, doi: 10.35940/ijeat.d9057.049420.

[19] G. Jain, T. Mahara, and S. C. Sharma, "Performance Evaluation of Time-based Recommendation System in Collaborative Filtering Technique," in *Procedia Computer Science*, 2022. doi: 10.1016/j.procs.2023.01.161.

[20] K. Lappalainen, M. Piliougine, and G. Spagnuolo, "Experimental comparison between various fitting approaches based on RMSE minimization for photovoltaic module parametric identification," *Energy Convers. Manag.*, vol. 258, no. December 2021, p. 115526, 2022, doi: 10.1016/j.enconman.2022.115526.

[21] M. J. Mabula, D. Kisanga, and S. Pamba, "Application of machine learning algorithms and Sentinel-2 satellite for improved bathymetry retrieval in Lake Victoria, Tanzania," *Egypt. J. Remote Sens. Sp. Sci.*, 2023, doi: 10.1016/j.ejrs.2023.07.003.

[22] M. S. Kabul and E. B. Setiawan, "Recommender System with User-Based and Item-Based Collaborative Filtering on Twitter using K-Nearest Neighbors Classification," *J. Comput. Syst. Informatics*, vol. 3, no. 4, pp. 478–484, 2022, doi: 10.47065/josyc.v3i4.2204.

[23] M. W. Liemohn, A. D. Shane, A. R. Azari, A. K. Petersen, B. M. Swiger, and A. Mukhopadhyay, "RMSE is not enough: Guidelines to robust data-model comparisons for magnetospheric physics," *J. Atmos. Solar-Terrestrial Phys.*, 2021, doi: 10.1016/j.jastp.2021.105624.

[24] A. Gonzalez, F. Ortega, D. Perez-Lopez, and S. Alonso, "Bias and Unfairness of Collaborative Filtering Based Recommender Systems in MovieLens Dataset," *IEEE Access*, vol. 10, no. July, pp. 68429–68439, 2022, doi: 10.1109/ACCESS.2022.3186719.

[25] Z. Ding, Z. Qin, Q. X. Wang, and Z. G. Qin, "Random Group Recommendation Model Based on Fuzzy Clustering," *J. Electron. Sci.*

Technol., 2020, doi: 10.1016/j.jnlest.2020.100054.

[26]   G. Behera and N. Nain, "Collaborative Filtering with Temporal Features for Movie Recommendation System," in *Procedia Computer Science*, 2022. doi: 10.1016/j.procs.2023.01.115.