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## BIBLIOGRAPHY

- [1] Zeshan Fayyaz, Mahsa Ebrahimian, Dina Nawara, Ahmed Ibrahim, and Rasha Kashef. Recommendation systems: Algorithms, challenges, metrics, and business opportunities. *Applied Sciences* 2020, Vol. 10, Page 7748, 10:7748, 11 2020. ISSN 2076-3417. doi: 10.3390/APP10217748. URL <https://www.mdpi.com/2076-3417/10/21/7748/htm><https://www.mdpi.com/2076-3417/10/21/7748>.
- [2] Bushra Alhijawi and Yousef Kilani. A collaborative filtering recommender system using genetic algorithm. *Information Processing Management*, 57:102310, 11 2020. ISSN 0306-4573. doi: 10.1016/J.IPM.2020.102310.
- [3] Yang Li, Kangbo Liu, Ranjan Satapathy, Suhang Wang, and Erik Cambria. Recent developments in recommender systems: A survey. 6 2023. URL <https://arxiv.org/abs/2306.12680v1>.
- [4] Suvash Sedhain, Aditya Krishna Menony, Scott Sannery, and Lexing Xie. Autorec: Autoencoders meet collaborative filtering. *WWW 2015 Companion - Proceedings of the 24th International Conference on World Wide Web*, pages 111–112, 5 2015. doi: 10.1145/2740908.2742726. URL <https://dl.acm.org/doi/10.1145/2740908.2742726>.
- [5] Gourav Bathla, Himanshu Aggarwal, and Rinkle Rani. Autotrusted: Recommender system with social trust and deep learning using autoencoder. *Multimedia Tools and Applications*, 79:20845–20860, 8 2020. ISSN 15737721. doi: 10.1007/S11042-020-08932-4/FIGURES/9. URL <https://link.springer.com/article/10.1007/s11042-020-08932-4>.
- [6] Sriharsha Dara, C. Ravindranath Chowdary, and Chintoo Kumar. A survey on group recommender systems. *Journal of Intelligent Information Systems*, 54:271–295, 4 2020. ISSN 15737675. doi: 10.1007/S10844-018-0542-3/TABLES/12. URL <https://link.springer.com/article/10.1007/s10844-018-0542-3>.
- [7] Alexander Felfernig, Ludovico Boratto, Martin Stettinger, and Marko Tkalčič. Algorithms for group recommendation, 2018. ISSN 2191-8120. URL [https://link.springer.com/chapter/10.1007/978-3-319-75067-5\\_2](https://link.springer.com/chapter/10.1007/978-3-319-75067-5_2).
- [8] V. Ramanjaneyulu Yannam, Jitendra Kumar, Korra Sathya Babu, and Bidyut Kumar Patra. Enhancing the accuracy of group recommendation using slope one. *Journal of Supercomputing*, 79:499–540, 1 2023. ISSN 15730484. doi: 10.1007/S11227-022-04664-4/TABLES/34. URL <https://link.springer.com/article/10.1007/s11227-022-04664-4>.
- [9] Mochamad Iqbal Ardimansyah, Arief Fatchul Huda, and Z. K. Abdurahman Baizal. Preprocessing matrix factorization for solving data sparsity on memory-based

- collaborative filtering. *Proceeding - 2017 3rd International Conference on Science in Information Technology: Theory and Application of IT for Education, Industry and Society in Big Data Era, ICSITech 2017*, 2018-January:521–525, 7 2017. doi: 10.1109/ICSITECH.2017.8257168.
- [10] Yihao Zhang, Chu Zhao, Mian Chen, and Meng Yuan. Integrating stacked sparse auto-encoder into matrix factorization for rating prediction. *IEEE Access*, 9: 17641–17648, 2021. ISSN 21693536. doi: 10.1109/ACCESS.2021.3053291.
- [11] Edgar Ceh-Varela, Huiping Cao, and Hady W. Lauw. Performance evaluation of aggregation-based group recommender systems for ephemeral groups. *ACM Transactions on Intelligent Systems and Technology*, 13, 9 2022. ISSN 21576912. doi: 10.1145/3542804/ASSET/5C890139-5C90-4A78-A1ED-DDAFBE7B91AF/ASSETS/GRAPHIC/TIST-2021-10-0496-F17.JPG. URL <https://dl.acm.org/doi/10.1145/3542804>.
- [12] Ashish Kumar Sahu and Pragya Dwivedi. User profile as a bridge in cross-domain recommender systems for sparsity reduction. *Applied Intelligence*, 49:2461–2481, 7 2019. ISSN 15737497. doi: 10.1007/S10489-018-01402-3/TABLES/11. URL <https://link.springer.com/article/10.1007/s10489-018-01402-3>.
- [13] Jing Shi, Bin Wu, and Xiuqin Lin. A latent group model for group recommendation. *Proceedings - 2015 IEEE 3rd International Conference on Mobile Services, MS 2015*, pages 233–238, 8 2015. doi: 10.1109/MOBSERV.2015.41.
- [14] Fernando Ortega, Antonio Hernando, Jesus Bobadilla, and Jeon Hyung Kang. Recommending items to group of users using matrix factorization based collaborative filtering. *Information Sciences*, 345:313–324, 6 2016. ISSN 0020-0255. doi: 10.1016/J.INS.2016.01.083.
- [15] Ximeng Wang, Yun Liu, Jie Lu, Fei Xiong, and Guangquan Zhang. Trugrc: Trust-aware group recommendation with virtual coordinators. *Future Generation Computer Systems*, 94:224–236, 5 2019. ISSN 0167-739X. doi: 10.1016/J.FUTURE.2018.11.030.
- [16] Xiaofeng Yuan, Lixin Han, Subin Qian, Guoxia Xu, and Hong Yan. Singular value decomposition based recommendation using imputed data. *Knowledge-Based Systems*, 163:485–494, 1 2019. ISSN 0950-7051. doi: 10.1016/J.KNOSYS.2018.09.011.
- [17] R. Barathy and P. Chitra. Applying matrix factorization in collaborative filtering recommender systems. *2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020*, pages 635–639, 3 2020. doi: 10.1109/ICACCS48705.2020.9074227.

- [18] Gongbing Ye and Xueyan Zhao. Improved svd algorithm based on slope one. *Proceedings of the 30th Chinese Control and Decision Conference, CCDC 2018*, pages 1002–1006, 7 2018. doi: 10.1109/CCDC.2018.8407276.
- [19] Shuai Zhang, Lina Yao, Aixin Sun, and Yi Tay. Deep learning based recommender system: A survey and new perspectives. *ACM Computing Surveys*, 52, 7 2017. doi: 10.1145/3285029. URL <http://arxiv.org/abs/1707.07435><http://dx.doi.org/10.1145/3285029>.
- [20] Zeynep Batmaz, Ali Yurekli, Alper Bilge, and Cihan Kaleli. A review on deep learning for recommender systems: challenges and remedies. *Artificial Intelligence Review*, 52: 1–37, 6 2019. ISSN 15737462. doi: 10.1007/S10462-018-9654-Y/TABLES/6. URL <https://link.springer.com/article/10.1007/s10462-018-9654-y>.
- [21] Guijuan Zhang, Yang Liu, and Xiaoning Jin. A survey of autoencoder-based recommender systems. *Frontiers of Computer Science*, 14:430–450, 4 2020. ISSN 20952236. doi: 10.1007/S11704-018-8052-6/METRICS. URL <https://link.springer.com/article/10.1007/s11704-018-8052-6>.
- [22] Devansh Arpit, Yingbo Zhou, Hung Q Ngo, and Venu Govindaraju. Why regularized auto-encoders learn sparse representation?, 6 2016. ISSN 1938-7228. URL <https://proceedings.mlr.press/v48/arpita16.html>.
- [23] Yakun Li, Jiadong Ren, Jiaomin Liu, and Yixin Chang. Deep sparse autoencoder prediction model based on adversarial learning for cross-domain recommendations. *Knowledge-Based Systems*, 220:106948, 5 2021. ISSN 0950-7051. doi: 10.1016/J.KNOSYS.2021.106948.
- [24] Hafidz Shohihuddin Ahmad, Dade Nurjanah, and Rita Rismala. A combination of individual model on memory-based group recommender system to the books domain. *2017 5th International Conference on Information and Communication Technology, ICoICT 2017*, 10 2017. doi: 10.1109/ICOICT.2017.8074655.
- [25] Lutfi Ambarwati and Z. Baizal. Group recommenders system using hybrid filtering for tourism domain, 2019.
- [26] F. Maxwell Harper and Joseph A. Konstan. The movielens datasets. *ACM Transactions on Interactive Intelligent Systems (TiiS)*, 5, 12 2015. ISSN 21606463. doi: 10.1145/2827872. URL <https://dl.acm.org/doi/10.1145/2827872>.
- [27] Yehuda Koren, Steffen Rendle, and Robert Bell. Advances in collaborative filtering. *Recommender Systems Handbook*, pages 91–142, 2022. doi: 10.1007/978-1-0716-2197-4\_3. URL [https://link.springer.com/chapter/10.1007/978-1-0716-2197-4\\_3](https://link.springer.com/chapter/10.1007/978-1-0716-2197-4_3).

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- [28] Nouhaila Idrissi and Ahmed Zellou. A systematic literature review of sparsity issues in recommender systems. *Social Network Analysis and Mining*, 10:1–23, 12 2020. ISSN 18695469. doi: 10.1007/S13278-020-0626-2/METRICS. URL <https://link.springer.com/article/10.1007/s13278-020-0626-2>.
- [29] Dheeraj Bokde, Sheetal Girase, and Debajyoti Mukhopadhyay. Matrix factorization model in collaborative filtering algorithms: A survey. *Procedia Computer Science*, 49: 136–146, 1 2015. ISSN 1877-0509. doi: 10.1016/J.PROCS.2015.04.237.
- [30] Moh Naufal Mizan Saputro and Z. K. A. Baizal. Group recommender system using matrix factorization technique for book domain. *JURNAL MEDIA INFORMATIKA BUDIDARMA*, 7:1247–1256, 7 2023. ISSN 2548-8368. doi: 10.30865/MIB.V7I3.6435. URL <https://ejurnal.stmik-budidarma.ac.id/index.php/mib/article/view/6435>.