

DAFTAR PUSTAKA

- Akkem, Y., Biswas, S. K., & Varanasi, A. (2024). Streamlit-based enhancing crop recommendation systems with advanced explainable artificial intelligence for smart farming. *Neural Computing and Applications* 2024 36:32, 36(32), 20011–20025. <https://doi.org/10.1007/S00521-024-10208-Z>
- Álvarez-Sánchez, A., Jiménez-Bravo, D. M., Moreno-García, M. N., García González, S., & Cruz García, D. (2025). Leveraging Visual Side Information in Recommender Systems via Vision Transformer Architectures. *Electronics*, 14(17), 3550. <https://doi.org/10.3390/electronics14173550>
- Anelli, V. W., Di Noia, T., Di Sciascio, E., Ferrara, A., & Mancino, A. C. M. (2021). Sparse Feature Factorization for Recommender Systems with Knowledge Graphs. *RecSys 2021 - 15th ACM Conference on Recommender Systems*, 154–165. <https://doi.org/10.1145/3460231.3474243>
- Cohen, J. (2013). Statistical Power Analysis for the Behavioral Sciences. *Statistical Power Analysis for the Behavioral Sciences*, 1–567. <https://doi.org/10.4324/9780203771587/STATISTICAL-POWER-ANALYSIS-BEHAVIORAL-SCIENCES-JACOB-COHEN/RIGHTS-AND-PERMISSIONS>
- Cremonesi, P., di Milano, P., Yehuda Koren, I., Koren, Y., & Turrin, R. (2010). Performance of recommender algorithms on top-N recommendation tasks. *RecSys'10 - Proceedings of the 4th ACM Conference on Recommender Systems*, 10, 39–46. <https://doi.org/10.1145/1864708.1864721>
- Cronbach, L. J. (1951). Coefficient alpha and the internal structure of tests. *Psychometrika* 1951 16:3, 16(3), 297–334. <https://doi.org/10.1007/BF02310555>
- Deldjoo, Y., Schedl, M., Cremonesi, P., & Pasi, G. (2021). Recommender Systems Leveraging Multimedia Content. *ACM Computing Surveys*, 53(5), 1–38. <https://doi.org/10.1145/3407190>
- Devlin, J., Chang, M.-W., Lee, K., Google, K. T., & Language, A. I. (2019). BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding. <https://github.com/tensorflow/tensor2tensor>
- Dosovitskiy, A., Beyer, L., Kolesnikov, A., Weissenborn, D., Zhai, X., Unterthiner, T., Dehghani, M., Minderer, M., Heigold, G., Gelly, S., Uszkoreit, J., & Houlsby, N. (2021). An Image is Worth 16x16 Words: Transformers for Image Recognition at Scale. <http://arxiv.org/abs/2010.11929>
- Eppler, M. J., & Mengis, J. (2004). The concept of information overload: A review of literature from organization science, accounting, marketing, MIS, and related disciplines. *Information Society*, 20(5), 325–344. <https://doi.org/10.1080/01972240490507974>
- Fayyaz, Z., Ebrahimian, M., Nawara, D., Ibrahim, A., & Kashef, R. (2020). Recommendation Systems: Algorithms, Challenges, Metrics, and Business Opportunities. *Applied Sciences* 2020, Vol. 10, Page 7748, 10(21), 7748. <https://doi.org/10.3390/APP10217748>

- George, D., & Mallery, P. (2019). IBM SPSS Statistics 26 Step by Step. *IBM SPSS Statistics 26 Step by Step*. <https://doi.org/10.4324/9780429056765>
- GroupLens. (n.d.). Retrieved January 6, 2026, from <https://grouplens.org/>
- Haq, M. A., Alamsyah, N., Haq, M. A., & Riyadi, S. (2025). *Pose Analysis of Amateur Badminton Players Using Transformer-Based Models*. 182–186. <https://doi.org/10.1109/ICITCOM66635.2025.11265017>
- Harper, F. M., & Konstan, J. A. (2016). The MovieLens Datasets. *ACM Transactions on Interactive Intelligent Systems*, 5(4), 1–19. <https://doi.org/10.1145/2827872>
- Hassanzadeh, R., Majidnezhad, V., & Arasteh, B. (2025). A novel recommender system using light graph convolutional network and personalized knowledge-aware attention sub-network. *Scientific Reports 2025 15:1*, 15(1), 15693-. <https://doi.org/10.1038/s41598-025-99949-y>
- He, R., & McAuley, J. (2015). VBPR: Visual Bayesian Personalized Ranking from Implicit Feedback. *30th AAAI Conference on Artificial Intelligence, AAAI 2016*, 144–150. <https://doi.org/10.1609/aaai.v30i1.9973>
- He, X., Deng, K., Wang, X., Li, Y., Zhang, Y. D., & Wang, M. (2020). LightGCN: Simplifying and Powering Graph Convolution Network for Recommendation. *SIGIR 2020 - Proceedings of the 43rd International ACM SIGIR Conference on Research and Development in Information Retrieval*, 639–648. <https://doi.org/10.1145/3397271.3401063>
- He, X., Liao, L., Zhang, H., Nie, L., Hu, X., & Chua, T. S. (2017). Neural collaborative filtering. *26th International World Wide Web Conference, WWW 2017*, 17, 173–182. <https://doi.org/10.1145/3038912.3052569>;PAGEGROUP:STRING:PUBLIC ATION
- Herlocker, J. L., Konstan, J. A., Terveen, L. G., & Riedl, J. T. (2004). Evaluating collaborative filtering recommender systems. *ACM Transactions on Information Systems*, 22(1), 5–53. <https://doi.org/10.1145/963770.963772>
- Hunter, J. D. (2007). Matplotlib: A 2D graphics environment. *Computing in Science and Engineering*, 9(3), 90–95. <https://doi.org/10.1109/MCSE.2007.55>
- Hwang, W., & Salvendy, G. (2010). Number of people required for usability evaluation: The 10±2 rule. *Communications of the ACM*, 53(5), 130–133. <https://doi.org/10.1145/1735223.1735255>;PAGE:STRING:ARTICLE/CHAPTER
- ISO 9241-11:2018 - *Ergonomics of human-system interaction — Part 11: Usability: Definitions and concepts*. (n.d.). Retrieved June 28, 2026, from <https://www.iso.org/standard/63500.html>
- Ji, Y., Sun, A., Zhang, J., & Li, C. (2023). A Critical Study on Data Leakage in Recommender System Offline Evaluation. *ACM Transactions on Information Systems*, 41(3). <https://doi.org/10.1145/3569930>
- Khan, H. U., Naz, A., Alarfaj, F. K., & Almusallam, N. (2025). A transformer-based architecture for collaborative filtering modeling in personalized recommender systems. *Scientific Reports 2025 15:1*, 15(1), 24503-. <https://doi.org/10.1038/s41598-025-08931-1>

- Kim, Y., Kim, T., Shin, W. Y., & Kim, S. W. (2023). MONET: Modality-Embracing Graph Convolutional Network and Target-Aware Attention for Multimedia Recommendation. *WSDM 2024 - Proceedings of the 17th ACM International Conference on Web Search and Data Mining, 1*, 332–340. <https://doi.org/10.1145/3616855.3635817>
- Klimashevskaya, A., Jannach, D., Elahi, M., & Trattner, C. (2024). A Survey on Popularity Bias in Recommender Systems. *User Modeling and User-Adapted Interaction, 34*(5), 1777–1834. <https://doi.org/10.1007/s11257-024-09406-0>
- Ko, H., Lee, S., Park, Y., & Choi, A. (2022). A Survey of Recommendation Systems: Recommendation Models, Techniques, and Application Fields. *Electronics 2022, Vol. 11, 11*(1). <https://doi.org/10.3390/electronics11010141>
- Koren, Y., Bell, R., & Volinsky, C. (2009). Matrix factorization techniques for recommender systems. *Computer, 42*(8), 30–37. <https://doi.org/10.1109/MC.2009.263>
- Lee, S., Ahn, J., & Kim, N. (2024). Embedding Enhancement Method for LightGCN in Recommendation Information Systems. *Electronics, 13*(12), 2282. <https://doi.org/10.3390/electronics13122282>
- LeeGeon, KimKyungho, BuFanchen, LiangLangzhang, & ShinKijung. (2025). Revisiting LightGCN: Unexpected Inflexibility, Inconsistency, and A Remedy Towards Improved Recommendation. *ACM Transactions on Recommender Systems*. <https://doi.org/10.1145/3760763>
- Li, K., Xu, L., Zhu, C., & Zhang, K. (2024). A Multimodal Graph Recommendation Method Based on Cross-Attention Fusion. *Mathematics 2024, Vol. 12, 12*(15). <https://doi.org/10.3390/MATH12152353>
- Liang, X., Chen, T., Cui, L., Wang, Y., Wang, M., & Yin, H. (2024). Lightweight Embeddings for Graph Collaborative Filtering. *SIGIR 2024 - Proceedings of the 47th International ACM SIGIR Conference on Research and Development in Information Retrieval, 1*, 1296–1306. <https://doi.org/10.1145/3626772.3657820>
- Liu, Q., Hu, J., Xiao, Y., Zhao, X., Gao, J., Wang, W., Li, Q., & Tang, J. (2025). Multimodal Recommender Systems: A Survey. *ACM Computing Surveys, 57*(2), 1–17. <https://doi.org/10.1145/3695461>
- Lundberg, S. M., & Lee, S. I. (2017). A Unified Approach to Interpreting Model Predictions. *Advances in Neural Information Processing Systems, 2017-December*, 4766–4775. <https://arxiv.org/pdf/1705.07874>
- Mu, Y., & Wu, Y. (2023). Multimodal Movie Recommendation System Using Deep Learning. *Mathematics, 11*(4), 895. <https://doi.org/10.3390/math11040895>
- Palanisamy, B., Hassija, V., Chatterjee, A., Mandal, A., Chakraborty, D., Pandey, A., Chalapathi, G. S. S., & Kumar, D. (2025). Transformers for Vision: A Survey on Innovative Methods for Computer Vision. *IEEE Access, 13*, 95496–95523. <https://doi.org/10.1109/ACCESS.2025.3571735>
- Pan, S. J., & Yang, Q. (2010). A survey on transfer learning. *IEEE Transactions on Knowledge and Data Engineering, 22*(10), 1345–1359. <https://doi.org/10.1109/TKDE.2009.191>

- Pujahari, A., Mishra, T. K., & Pati, R. (2026). Heterogeneous graph neural collaborative filtering with attribute completion for sparse recommendation. *Expert Systems with Applications*, 306, 130866. <https://doi.org/10.1016/j.eswa.2025.130866>
- Rendle, S., Freudenthaler, C., Gantner, Z., & Schmidt-Thieme, L. (2009). *BPR: Bayesian Personalized Ranking from Implicit Feedback*.
- Rodríguez-Baena, D., Gómez-Vela, F., Lopez-Fernandez, A., García-Torres, M., & Divina, F. (2025). BinRec: addressing data sparsity and cold-start challenges in recommender systems with biclustering. *Applied Intelligence*, 55(12), 830. <https://doi.org/10.1007/s10489-025-06725-6>
- Roetzel, P. G. (2018). Information overload in the information age: a review of the literature from business administration, business psychology, and related disciplines with a bibliometric approach and framework development. *Business Research* 2018 12:2, 12(2), 479–522. <https://doi.org/10.1007/S40685-018-0069-Z>
- Saha, S., & Xu, L. (2025). Vision transformers on the edge: A comprehensive survey of model compression and acceleration strategies. *Neurocomputing*, 643. <https://doi.org/10.1016/j.neucom.2025.130417>
- Sarwar, B., Karypis, G., Konstan, J., & Riedl, J. (2001). Item-based collaborative filtering recommendation algorithms. *Proceedings of the 10th International Conference on World Wide Web, WWW 2001*, 285–295. <https://doi.org/10.1145/371920.372071;PAGE:STRING:ARTICLE/CHAPTER>
- Steck, H., Baltrunas, L., Elahi, E., Liang, D., Raimond, Y., & Basilico, J. (2021). Deep Learning for Recommender Systems: A Netflix Case Study. *AI Magazine*, 42(3), 7–18. <https://doi.org/10.1609/aimag.v42i3.18140>
- Sugiyono, Prof. DR. (2013). *Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif dan R&D*. [//digilib.unigres.ac.id%2Findex.php%3Fp%3Dshow_detail%26id%3D43](http://digilib.unigres.ac.id%2Findex.php%3Fp%3Dshow_detail%26id%3D43)
- Sun, F., Liu, J., Wu, J., Pei, C., Lin, X., Ou, W., & Jiang, P. (2019). Bert4rec: Sequential recommendation with bidirectional encoder representations from transformer. *International Conference on Information and Knowledge Management, Proceedings*, 1441–1450. <https://doi.org/10.1145/3357384.3357895;CSUBTYPE:STRING:CONFERENCE>
- The Movie Database (TMDB)*. (n.d.). Retrieved January 6, 2026, from <https://www.themoviedb.org/>
- Wang, X., He, X., Wang, M., Feng, F., & Chua, T. S. (2019). Neural graph collaborative filtering. *SIGIR 2019 - Proceedings of the 42nd International ACM SIGIR Conference on Research and Development in Information Retrieval*, 165–174. <https://doi.org/10.1145/3331184.3331267;PAGE:STRING:ARTICLE/CHAPTER>
- Waskom, M. (2021). seaborn: statistical data visualization. *Journal of Open Source Software*, 6(60), 3021. <https://doi.org/10.21105/joss.03021>
- Wu, L., He, X., Wang, X., Zhang, K., & Wang, M. (2021). A Survey on Accuracy-oriented Neural Recommendation: From Collaborative Filtering to

- Information-rich Recommendation. *IEEE Transactions on Knowledge and Data Engineering*, 35(5), 4425–4445.
<https://doi.org/10.1109/TKDE.2022.3145690>
- Xia, L., Yang, Y., Chen, Z., Yang, Z., & Zhu, S. (2024). *Movie Recommendation with Poster Attention via Multi-modal Transformer Feature Fusion*.
<http://arxiv.org/abs/2407.09157>
- Xu, J., Chen, Z., Wang, W., Hu, X., Kim, S. W., & Ngai, E. C. H. (2025). COHESION: Composite Graph Convolutional Network with Dual-Stage Fusion for Multimodal Recommendation. *SIGIR 2025 - Proceedings of the 48th International ACM SIGIR Conference on Research and Development in Information Retrieval*, 1830–1839.
<https://doi.org/10.1145/3726302.3729927>;SUBPAGE:STRING: BASIC
- Zhang, Q., Lu, J., & Jin, Y. (2021). Artificial intelligence in recommender systems. *Complex and Intelligent Systems*, 7(1), 439–457.
<https://doi.org/10.1007/s40747-020-00212-w>
- Zhou, H., Zhou, X., Zeng, Z., Zhang, L., & Shen, Z. (2023). *A Comprehensive Survey on Multimodal Recommender Systems: Taxonomy, Evaluation, and Future Directions*. <https://arxiv.org/pdf/2302.04473>
- Zhou, Z., Zhang, L., & Yang, N. (2023). Contrastive Collaborative Filtering for Cold-Start Item Recommendation. *ACM Web Conference 2023 - Proceedings of the World Wide Web Conference, WWW 2023*, 928–937.
<https://doi.org/10.1145/3543507.3583286>;CSUBTYPE:STRING:CONFERENCE

