



















- Proceedings of the 10th ACM Conference on Recommender Systems - RecSys '16*, 2016, pp. 233–240, doi: 10.1145/2959100.2959165.
- [21] Hanafi and B. M. Aboobaider, “Word Sequential Using Deep LSTM and Matrix Factorization to Handle Rating Sparse Data for E-Commerce Recommender System,” *Comput. Intell. Neurosci.*, vol. 2021, no. 1, 2021, doi: <https://doi.org/10.1155/2021/8751173> Research.
- [22] X. Wang, X. Yang, L. Guo, Y. Han, F. Liu, and B. Gao, “Exploiting Social Review-Enhanced Convolutional Matrix Factorization for Social Recommendation,” *IEEE Access*, vol. 7, pp. 82826–82837, 2019, doi: 10.1109/ACCESS.2019.2924443.
- [23] B. Zhang, H. Zhang, X. Sun, G. Feng, and C. He, “Integrating an attention mechanism and convolution collaborative filtering for document context-aware rating prediction,” *IEEE Access*, vol. 7, pp. 3826–3835, 2019, doi: 10.1109/ACCESS.2018.2887100.
- [24] S. Hochreiter and J. Urgan Schmidhuber, “Lstm,” *Neural Comput.*, vol. 9, no. 8, pp. 1735–1780, 1997, doi: 10.1162/neco.1997.9.8.1735.
- [25] Y. Kim, “Convolutional Neural Networks for Sentence Classification,” in *Proceedings of the 2014 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2014, pp. 1746–1751, doi: 10.3115/v1/D14-1181.
- [26] Hanafi, A. Pranolo, and Y. Mao, “Cae-covidx: Automatic covid-19 disease detection based on x-ray images using enhanced deep convolutional and autoencoder,” *Int. J. Adv. Intell. Informatics*, vol. 7, no. 1, pp. 49–62, 2021, doi: 10.26555/ijain.v7i1.577.
- [27] J. Chorowski, D. Bahdanau, D. Serdyuk, K. Cho, and Y. Bengio, “Attention-based models for speech recognition,” *Adv. Neural Inf. Process. Syst.*, vol. 2015-Janua, pp. 577–585, 2015.
- [28] F. Maxwell Harper and Joseph A. Konstan. 2015. The MovieLens Datasets: History and Context. *ACM Transactions on Interactive Intelligent Systems (TiIS)* 5, 4: 19:1–19:19. <https://doi.org/10.1145/2827872>.
- [29] F. M. Harper and J. A. Konstan, “The MovieLens Datasets: History and Context,” *ACM Trans. Interact. Intell. Syst.*, vol. 5, no. 4, pp. 19:1–19:19, 2015, doi: 10.1145/2827872.
- [30] J. McAuley, “Amazon Product Data,” 2021. .
- [31] A. Gunawardana, “A Survey of Accuracy Evaluation Metrics of Recommendation Tasks,” vol. 10, pp. 2935–2962, 2009.
- [32] Hanafi, N. Suryana, and A. S. B. H. Bashari, “Paper survey and example of collaborative filtering implementation in recommender system,” *J. Theor. Appl. Inf. Technol.*, vol. 95, no. 16, 2017.