

REFERENCES

- [1] J. Han, J. Pei, and Y. Yin, "Mining frequent patterns without candidate generation," in *ACM SIGMOD Record*, 2000, vol. 29, pp. 1-12.
- [2] A. I. Schein, A. Popescul, L. H. Ungar, and D. M. Pennock, "Methods and metrics for cold-start recommendations," in *Proc. 25th Annu. Int. SIGIR Conf.*, 2002, pp. 253-260.
- [3] Zhang H, Ji Y, Li J, et al. "A Triple Wing Harmonium Model for Movie Recommendation," *IEEE Transactions on Industrial Informatics*, 2016, 12(1): 231-239.
- [4] T. Iwata, S. Wanatabe, and H. Sawada, "Fashion coordinates recommender system using photographs from fashion maga-zines," *IJCAI*, 2011, 22(3): 2262.
- [5] A. Veit, B. Kovacs, S. Bell, et al., "Learning visual clothing style with heterogeneous dyadic co-occurrence," in *Proc. IEEE Int. Conf. Comput. Vision*, pp. 4642-4650, 2015.
- [6] J. McAuley, C. Targett, Q. Shi, and A. van den Hengel, "Image-based recommendations on styles and substitutes," in *Proc. 38th Annu. Int. SIGIR Conf.*, pp. 253-260, Aug. 2015.
- [7] Liu, Si, Luoqi Liu, and Shuicheng Yan. "Magic mirror: An intelligent fashion recommendation system." In *2013 2nd IAPR Asian Conference on Pattern Recognition*, pp. 11-15. IEEE, 2013.
- [8] Y. Li and L. Cao and J. Zhu and J. Luo, Mining Fashion Outfit Composition Using an End-to-End Deep Learning Approach on Set Data, *IEEE Transactions on Multimedia*, vol. 19, no. 8, pp. 1946–1955, 2017
- [9] Tolba, A.S., El-Baz, A.H. and El-Harby, A.A. Face recognition: A literature review. *International Journal of Signal Processing*, 2(2), pp.88-103, 2006.
- [9] Chen, Huizhong, Andrew Gallagher, and Bernd Girod. "Describing clothing by semantic attributes." In *European conference on computer vision*, pp. 609-623. Springer, Berlin, Heidelberg, 2012.

- [10] Yeqing Ren, Youqiang Sun, Xuechun Jing, Zhihua Cui, and Zhentao Shi, Adaptive Makeup Transfer via Bat Algorithm[J], Mathematics, 2019, 7(3): 273, DOI: 10.3390/math7030273;
- [11] B. Yang, J. Yan, Z. Lei, S. Z. Li, "Aggregate channel features for multi-view face detection", IEEE Int. Joint Conf. Biometrics, pp. 1-8, 2014.
- [12] Zhihua Cui, Lei Du, Penghong Wang, Xingjuan Cai, and Wensheng Zhang. Malicious code detection based on CNNs and multi-objective algorithm[J], Journal of Parallel and Distributed Computing, 2019, 129: 50-58. DOI: 10.1016/j.jpdc.2019.03.010.
- [13] P. Felzenszwalb, D. McAllester, D. Ramanan, "A Discriminatively Trained Multiscale Deformable Part Model", Proc. IEEE Conf. Computer Vision and Pattern Recognition, 2008.
- [14] Z. Zhang, P. Luo, C. C. Loy, X. Tang, "Facial landmark detection by deep multi-task learning", Eur. Conf. Comput. Vis., pp. 94-108, 2014.
- [15]] S. Yang, P. Luo, C. C. Loy, X. Tang, "From facial parts responses to face detection: A deep learning approach", IEEE Int. Conf. Comput. Vis., pp. 3676-3684, 2015.
- [16] Qi, Rong, Rui-Sheng Jia, Qi-Chao Mao, Hong-Mei Sun, and Ling-Qun Zuo. "Face detection method based on cascaded convolutional networks." IEEE Access 7: 110740-110748, 2019.
- [17] Oku, Kenta, Shinsuke Nakajima, Jun Miyazaki, and Shunsuke Uemura. Investigation for designing a context-aware recommendation system using svm. *In Proceedings of the International MultiConference of Engineers and Computer Scientists*, IMECS 2007, pages 970–975. 2007.
- [18] Adomavicius, Gediminas, Ramesh Sankaranarayanan, Shahana Sen, and Alexander Tuzhilin. Incorporating contextual information in recommender systems using a multidimensional approach. *ACM Transactions on Information Systems (TOIS)*, 23(1):103–145. 2005.

- [19] Hidasi, B., Quadrana, M., Karatzoglou, A. and Tikk, D., September. Parallel recurrent neural network architectures for feature-rich session-based recommendations. In *Proceedings of the 10th ACM conference on recommender systems* (pp. 241-248), 2016.
- [20] J. McAuley, C. Targett, Q. Shi and A. van den Hengel, "Image-based recommendations on styles and substitutes", Proc. of the 38th Int. ACM SIGIR Conf. on Res. and Develop. in Inform. Retrieval - SIGIR '15, 2015.
- [21] X. Zhang, et al., "Trip outfits advisor: location-oriented clothing recommendation", IEEE Trans. on Multimedia, pp. 1-1, 2017.
- [22] S. G. Eshwar, G. G. Prabhu J, A. V. Rishikesh, A. N. Charan and V. Umadevi, "Apparel classification using convolutional neural networks", 2016 Int. Conf. on ICT in Business Industry & Government (ICTBIG), 2016.
- [23] A. Veit, B. Kovacs, S. Bell, J. McAuley, K. Bala and S. Belongie, "Learning visual clothing style with heterogeneous dyadic co-occurrences", 2015 IEEE Int. Conf. on Comput. Vision (ICCV), 2015.
- [24] A. Krizhevsky, I. Sutskever and G. Hinton, "ImageNet classification with deep convolutional neural networks", Communications of the ACM, vol. 60, no. 6, pp. 84-90, 2017
- [25] Xiao, H., Rasul, K. and Vollgraf, R., Fashion-mnist: a novel image dataset for benchmarking machine learning algorithms. *arXiv preprint arXiv:1708.07747*, 2017.
- [26] Cuimei, Li, Qi Zhiliang, Jia Nan, and Wu Jianhua. "Human face detection algorithm via Haar cascade classifier combined with three additional classifiers." In 2017 13th IEEE International Conference on Electronic Measurement & Instruments (ICEMI), pp. 483-487. IEEE, 2017.
- [27] Wang, Shoujia, Wenhui Li, Ying Wang, Yuanyuan Jiang, Shan Jiang, and Ruilin Zhao. "An Improved Difference of Gaussian Filter in Face Recognition." *Journal of Multimedia* 7, no. 6 (2012): 429-433.
- [28] Bradski, Gary, and Adrian Kaehler. "OpenCV." Dr. Dobb's journal of software tools 3 (2000).

- [29] AŞIROĞLU, Batuhan, Mehmet İlky ATALAY, Alkan BALKAYA, Erden TÜZÜNKAN, Mustafa Dağtekin, and Tolga ENSARİ. "Smart Clothing Recommendation System with Deep Learning." In 2019 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), pp. 1-4. IEEE, 2019.
- [30] Catarious Jr, David M., Alan H. Baydush, and Carey E. Floyd Jr. "Characterization of difference of Gaussian filters in the detection of mammographic regions." *Medical Physics* 33, no. 11 (2006): 4104-4114.
- [31] He, K., Zhang, X., Ren, S. and Sun, J., Deep residual learning for image recognition. In Proceedings of the IEEE conference on computer vision and pattern recognition (pp. 770-778), 2016.
- [32] Yamazaki, M., Kasagi, A., Tabuchi, A., Honda, T., Miwa, M., Fukumoto, N., Tabaru, T., Ike, A., and Nakashima, K., Yet another accelerated sgd: Resnet-50 training on imagenet in 74.7 seconds. arXiv preprint arXiv:1903.12650, 2019
- [33] Rezende, E., Ruppert, G., Carvalho, T., Ramos, F. and De Geus, P., December. Malicious software classification using transfer learning of resnet-50 deep neural network. In 2017 16th IEEE International Conference on Machine Learning and Applications (ICMLA) (pp. 1011-1014). IEEE, 2017.
- [34] Yu, W., Yang, K., Bai, Y., Xiao, T., Yao, H. and Rui, Y., June. Visualizing and comparing AlexNet and VGG using deconvolutional layers. In Proceedings of the 33rd International Conference on Machine Learning, 2016.
- [35] Mateen, M., Wen, J., Song, S. and Huang, Z, Fundus image classification using VGG-19 architecture with PCA and SVD. *Symmetry*, 11(1), p.1, 2019.
- [36] Muth, Jennifer L., and Thomas F. Cash. "Body-Image Attitudes: What Difference Does Gender Make? 1." *Journal of applied social psychology* 27, no. 16 (1997): 1438-1452.
- [37] Chua, Leon O., and Tamas Roska. "The CNN paradigm." *IEEE Transactions on Circuits and Systems I: Fundamental Theory and Applications* 40, no. 3 (1993): 147-156.
- [38] Zhang, Haijun, Wang Huang, Linlin Liu, and Xiaofei Xu. "Clothes collocation recommendations by compatibility learning." In 2018 IEEE International Conference on Web Services (ICWS), pp. 179-186. IEEE, 2018.

- [39] Ruschendorf, L. and Rachev, S.T., A characterization of random variables with minimum L2-distance. *Journal of multivariate analysis*, 32(1), pp.48-54, 1990.
- [40] Rahutomo, F., Kitasuka, T. and Aritsugi, M., October. Semantic cosine similarity. In *The 7th International Student Conference on Advanced Science and Technology ICAST (Vol. 4, No. 1, p. 1)*, 2012.
- [41] Wang, R. and Li, J., July. Bayes test of precision, recall, and f1 measure for comparison of two natural language processing models. In *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics (pp. 4135-4145)*, 2019.