

DAFTAR PUSTAKA

- Akram, M., Habib, A., & Alcantud, J. C. R. (2021). An optimization study based on Dijkstra algorithm for a network with trapezoidal picture fuzzy numbers. *Neural Computing and Applications*, 33(4), 1329–1342. <https://doi.org/10.1007/s00521-020-05034-y>
- Azeroual. (2019). Text and Data Quality Mining in CRIS. *Information*, 10(12), 374. <https://doi.org/10.3390/info10120374>
- Bag, S., Kumar, S. K., & Tiwari, M. K. (2019). An efficient recommendation generation using relevant Jaccard similarity. *Information Sciences*, 483, 53–64. <https://doi.org/10.1016/j.ins.2019.01.023>
- Chen, P., Lu, Y., Zheng, V. W., Chen, X., & Li, X. (2018). An automatic knowledge graph construction system for K-12 education. *Proceedings of the Fifth Annual ACM Conference on Learning at Scale - L@S '18*, 1–4. <https://doi.org/10.1145/3231644.3231698>
- Chen, P., Lu, Y., Zheng, V. W., Chen, X., & Yang, B. (2018). KnowEdu: A System to Construct Knowledge Graph for Education. *IEEE Access*, 6, 31553–31563. <https://doi.org/10.1109/ACCESS.2018.2839607>
- Chi, Y., Qin, Y., Song, R., & Xu, H. (2018). Knowledge Graph in Smart Education: A Case Study of Entrepreneurship Scientific Publication Management. *Sustainability*, 10(4), 995. <https://doi.org/10.3390/su10040995>
- Chung, H., & Kim, J. (2016). An Ontological Approach for Semantic Modeling of Curriculum and Syllabus in Higher Education. *International Journal of Information and Education Technology*, 6(5), 365–369. <https://doi.org/10.7763/IJET.2016.V6.715>
- Daniel, F., & Taneo, P. N. L. (2019). *Teori Graf*. Deepublish.
- Deng, Y., Lu, D., Huang, D., Chung, C.-J., & Lin, F. (2019). Knowledge Graph based Learning Guidance for Cybersecurity Hands-on Labs. *Proceedings of the ACM Conference on Global Computing Education - CompEd '19*, 194–200. <https://doi.org/10.1145/3300115.3309531>
- Figri, M., & Nurjanah, D. (2017). Graph-based domain model for adaptive learning path recommendation. *2017 IEEE Global Engineering Education Conference (EDUCON)*, April, 375–380. <https://doi.org/10.1109/EDUCON.2017.7942875>
- Grévisse, C., Manrique, R., Mariño, O., & Rothkugel, S. (2018). Knowledge Graph-Based Teacher Support for Learning Material Authoring. In *Communications in Computer and Information Science* (Vol. 885, pp. 177–191). https://doi.org/10.1007/978-3-319-98998-3_14
- Hodler, A. E., & Needham, M. (2021). *Graph Data Science For Dummies* (Vol. 148). John Wiley & Sons, Inc.

- Huang, C.-Y. (Ric), Lai, C.-Y., & Cheng, K.-T. (Tim). (2009). Fundamentals of algorithms. In *Electronic Design Automation* (Issue 173, pp. 173–234). Elsevier. <https://doi.org/10.1016/B978-0-12-374364-0.50011-4>
- Jesús Barrasa, Hodler, A. E., & Jim Webber. (2021). Knowledge Graphs. In *Knowledge Graphs Data in Context for Responsive Businesses*. O'Reilly Media, Inc.
- Jia, B., Huang, X., & Jiao, S. (2018). Application of Semantic Similarity Calculation Based on Knowledge Graph for Personalized Study Recommendation Service. *Educational Sciences: Theory & Practice*, 18(6), 2958–2966. <https://doi.org/10.12738/estp.2018.6.195>
- Jia, Y., Qi, Y., Shang, H., Jiang, R., & Li, A. (2018). A Practical Approach to Constructing a Knowledge Graph for Cybersecurity. *Engineering*, 4(1), 53–60. <https://doi.org/10.1016/j.eng.2018.01.004>
- Lv, P., Wang, X., Xu, J., & Wang, J. (2018). Utilizing knowledge graph and student testing behavior data for personalized exercise recommendation. *Proceedings of ACM Turing Celebration Conference - China on - TURC '18*, 53–59. <https://doi.org/10.1145/3210713.3210728>
- Nadkarni, P. M., Ohno-Machado, L., & Chapman, W. W. (2011). Natural language processing: an introduction. *Journal of the American Medical Informatics Association*, 18(5), 544–551. <https://doi.org/10.1136/amiajnl-2011-000464>
- S, V., & R, J. (2016). Text Mining: open Source Tokenization Tools – An Analysis. *Advanced Computational Intelligence: An International Journal (ACII)*, 3(1), 37–47. <https://doi.org/10.5121/acii.2016.3104>
- Shi, D., Wang, T., Xing, H., & Xu, H. (2020). A learning path recommendation model based on a multidimensional knowledge graph framework for e-learning. *Knowledge-Based Systems*, 195, 105618. <https://doi.org/10.1016/j.knosys.2020.105618>
- Sun, K., Liu, Y., Guo, Z., & Wang, C. (2016). EduVis. *Proceedings of the 9th International Symposium on Visual Information Communication and Interaction*, 138–139. <https://doi.org/10.1145/2968220.2968227>
- Tilk, O., & Alumäe, T. (2016). Bidirectional Recurrent Neural Network with Attention Mechanism for Punctuation Restoration. *Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH, 08-12-Sept*, 3047–3051. <https://doi.org/10.21437/Interspeech.2016-1517>
- Verma, V., & Aggarwal, R. K. (2020). A comparative analysis of similarity measures akin to the Jaccard index in collaborative recommendations: empirical and theoretical perspective. *Social Network Analysis and Mining*, 10(1), 43. <https://doi.org/10.1007/s13278-020-00660-9>
- Webber, J., & Bruggen, R. Van. (2020). *Graph Databases For Dummies, Neo4j Special Edition Published*. John Wiley & Sons, Inc.
- Wilson, R. J. (1972). *Introduction to Graph Theory* (Fourth, Vol. 148). Oliver &

Boyd.

- Wu, L., Liu, Q., Zhou, W., Mao, G., Huang, J., & Huang, H. (2020). A Semantic Web-Based Recommendation Framework of Educational Resources in E-Learning. *Technology, Knowledge and Learning*, 25(4), 811–833. <https://doi.org/10.1007/s10758-018-9395-7>
- Yadav, V., & Bethard, S. (2019). *A Survey on Recent Advances in Named Entity Recognition from Deep Learning models*. <http://arxiv.org/abs/1910.11470>
- Zheng, Y., Liu, R., & Hou, J. (2017). The construction of high educational knowledge graph based on MOOC. *2017 IEEE 2nd Information Technology, Networking, Electronic and Automation Control Conference (ITNEC), 2018-Janua*, 260–263. <https://doi.org/10.1109/ITNEC.2017.8284984>
- Zhu, Y., Wang, P., Fan, Y., & Chen, Y. (2017). Research of Learning path recommendation algorithm based on Knowledge Graph. *Proceedings of the 6th International Conference on Information Engineering - ICIE '17*, 1–5. <https://doi.org/10.1145/3078564.3078567>