



## DAFTAR PUSTAKA

- [1] R. Dunford, Q. Su, and E. Tamang, "The Pareto Principle," Tech. Rep. 1, 2014. [Online]. Available: <http://hdl.handle.net/10026.1/14054>
- [2] C. Anderson, *The long tail: Why the future of business is selling less of more*. Hachette Books, 2006.
- [3] F. Ricci, B. Shapira, and L. Rokach, *Recommender systems handbook, Second edition*, 2015.
- [4] A. Menk and L. Sebastiá, "Predicting the human curiosity from users' profiles on Facebook," *ACM International Conference Proceeding Series*, vol. 14-16-June, 2016.
- [5] G. Linden, B. Smith, and J. York, "Amazon.com recommendations: item-to-item collaborative filtering," *IEEE Internet Computing*, vol. 7, no. 1, pp. 76–80, 2003.
- [6] R. Burke, "Hybrid web recommender systems," *The adaptive web*, pp. 377–408, 2007.
- [7] H. Yin, B. Cui, J. Li, J. Yao, and C. Chen, "Challenging the long tail recommendation," *arXiv preprint arXiv:1205.6700*, 2012.
- [8] D. Kotkov, J. Veijalainen, and S. Wang, "Challenges of Serendipity in Recommender Systems," *Proceedings of the 12th International Conference on Web Information Systems and Technologies*, vol. 2, no. Webist, pp. 251–256, 2016. [Online]. Available: <http://www.scitepress.org/DigitalLibrary/Link.aspx?doi=10.5220/0005879802510256>
- [9] S. M. McNee, J. Riedl, and J. Konstan, "Being accurate is not enough: how accuracy metrics have hurt recommender systems," *CHI'06 extended abstracts on Human factors in computing systems*, p. 1101, 2006.
- [10] M. De Gemmis, P. Lops, G. Semeraro, and C. Musto, "An investigation on the serendipity problem in recommender systems," *Information Processing and Management*, vol. 51, no. 5, pp. 695–717, 2015. [Online]. Available: <http://dx.doi.org/10.1016/j.ipm.2015.06.008>
- [11] E. Pariser, *The filter bubble: What the Internet is hiding from you*. Penguin UK, 2011.
- [12] P. Castells, J. Wang, R. Lara, and D. Zhang, "Workshop on Novelty and Diversity in Recommender Systems - DiveRS 2011," *RecSys'11 - Proceedings of the 5th ACM Conference on Recommender Systems*, pp. 393–394, 2011.



- [13] N. Hurley and M. Zhang, “Novelty and Diversity in top-N recommendation-Analysis and evaluation,” *ACM Transactions on Internet Technology*, vol. 10, no. 4, pp. 1–30, 2011.
- [14] Y. C. Zhang, D. Ó. Séaghdha, D. Quercia, and T. Jambor, “Auralist: Introducing serendipity into music recommendation,” *WSDM 2012 - Proceedings of the 5th ACM International Conference on Web Search and Data Mining*, pp. 13–22, 2012.
- [15] D. Kotkov, S. Wang, and J. Veijalainen, “A survey of serendipity in recommender systems,” *Knowledge-Based Systems*, vol. 111, pp. 180–192, 2016. [Online]. Available: <http://dx.doi.org/10.1016/j.knosys.2016.08.014>
- [16] D. Martin, “Most untranslatable word | Today Translations,” 2008. [Online]. Available: <https://www.todaytranslations.com/news/most-untranslatable-word>
- [17] J. L. Herlocker, J. A. Konstan, L. G. Terveen, and J. T. Riedl, “Evaluating collaborative filtering recommender systems,” *ACM Transactions on Information Systems (TOIS)*, vol. 22, no. 1, pp. 5–53, 2004.
- [18] T. G. Remer, *Serendipity and the three princes: From the Peregrinaggio of 1557*. Norman, U. Oklahoma P, 1965.
- [19] A. Foster and N. Ford, “Serendipity and information seeking: An empirical study,” *Journal of Documentation*, vol. 59, no. 3, pp. 321–340, 2003.
- [20] R. Delgadillo and B. P. Lynch, “Future Historians: Their Quest for Information 245 Future Historians: Their Quest for Information,” Tech. Rep.
- [21] S. Cobbledick, “The Information-Seeking Behavior of Artists: Exploratory Interviews,” Tech. Rep. 4, 1996. [Online]. Available: <https://www.jstor.org/stable/4309154>
- [22] N. Buchwald, “Thinking of information through the humanist’s eyes,” 2002.
- [23] K. A. Cory, “Discovering Hidden Analogies in an Online Humanities Database,” Tech. Rep. 1, 1997. [Online]. Available: <https://about.jstor.org/terms>
- [24] P. Thagard and D. Croft, “Scientific discovery and technological innovation: Ulcers, dinosaur extinction, and the programming language java,” in *Model-based reasoning in scientific discovery*. Springer, 1999, pp. 125–137.
- [25] J. Byous. (1998) Java technology: The early years. [Online]. Available: <https://web.archive.org/web/20050420081440/http://java.sun.com/features/1998/05/birthday.html>



- [26] L. Iaquina, M. De Gemmis, P. Lops, G. Semeraro, M. Filannino, and P. Molino, "Introducing serendipity in a content-based recommender system," *Proceedings - 8th International Conference on Hybrid Intelligent Systems, HIS 2008*, pp. 168–173, 2008.
- [27] M. F. Rosenman, "Serendipity and scientific discovery." *Journal of Creative Behavior*, vol. 22, no. 2, pp. 132–38, 1988.
- [28] T. Murakami, K. Mori, and R. Orihara, "Metrics for Evaluating the Serendipity of," pp. 40–46, 2008.
- [29] C. Desrosiers and G. Karypis, "A Comprehensive Survey of Neighborhood-based Recommendation Methods," *Recommender Systems Handbook*, vol. 69, pp. 107–144, 2011. [Online]. Available: <http://www.springerlink.com/index/N3JQ77686228781N.pdf%5Cnhttp://ir.ii.uam.es/redd2014/program/paper03.pdf>
- [30] T. De Pessemier, S. Dooms, and L. Martens, "Comparison of group recommendation algorithms," *Multimedia Tools and Applications*, vol. 72, no. 3, pp. 2497–2541, 2014.
- [31] S. Vargas and P. Castells, "Rank and relevance in novelty and diversity metrics for recommender systems," *RecSys'11 - Proceedings of the 5th ACM Conference on Recommender Systems*, pp. 109–116, 2011. [Online]. Available: <http://dl.acm.org/citation.cfm?doid=2043932.2043955>
- [32] D. Kotkov, "Serendipity in recommender systems," *Jyväskylä studies in computing*, no. 281, 2018.
- [33] P. Adamopoulos, A. Tuzhilin, B. Ri, and B. Ri, "Online Appendix to : On Unexpectedness in Recommender Systems : Or How to Better Expect the Unexpected a b," vol. 5, no. 4, 2014.
- [34] P. Zhao and D. L. Lee, "How much novelty is relevant? It depends on your curiosity," *SIGIR 2016 - Proceedings of the 39th International ACM SIGIR Conference on Research and Development in Information Retrieval*, pp. 315–324, 2016.
- [35] L. Chen, Y. Yang, N. Wang, K. Yang, and Q. Yuan, "How serendipity improves user satisfaction with recommendations? A large-scale user evaluation," in *The Web Conference 2019 - Proceedings of the World Wide Web Conference, WWW 2019*, 2019, pp. 240–250.
- [36] T. Kashdan, C. Peterson, and M. Seligman, "Curiosity. character strengths and virtues: A handbook and classification pp. 125-141," 2004.
- [37] P. J. Silvia, "Interest-The Curious Emotion," Tech. Rep., 2008.



- [38] V. Maccatrozzo, M. Terstall, L. Aroyo, and G. Schreiber, "SIRUP: Serendipity in recommendations via user perceptions," *International Conference on Intelligent User Interfaces, Proceedings IUI*, pp. 35–44, 2017.
- [39] D. E. Berlyne, "Conflict, arousal, and curiosity." 1960.
- [40] —, "A theory of human curiosity," *British Journal of Psychology. General Section*, vol. 45, no. 3, pp. 180–191, 1954.
- [41] A. Menk, L. Sebastia, and R. Ferreira, "Curumim: A serendipitous recommender system for tourism based on human curiosity," *Proceedings - International Conference on Tools with Artificial Intelligence, ICTAI*, vol. 2017-Novem, pp. 788–795, 2018.
- [42] D. Kotkov, J. A. Konstan, Q. Zhao, and J. Veijalainen, "Investigating serendipity in recommender systems based on real user feedback," *Proceedings of the 33rd Annual ACM Symposium on Applied Computing - SAC '18*, pp. 1341–1350, 2018. [Online]. Available: <http://dl.acm.org/citation.cfm?doid=3167132.3167276>
- [43] S. Sridharan, "Introducing Serendipity in Recommender Systems Through Collaborative Methods," *Open Access Master's Theses*, pp. 1–53, 2014. [Online]. Available: <http://digitalcommons.uri.edu/theses%0Ahttp://digitalcommons.uri.edu/theses/453>
- [44] K. Järvelin and J. Kekäläinen, "Cumulated gain-based indicators of IR performance," *ACM Transactions on Information Systems (TOIS)*, vol. 20, no. 4, pp. 422–446, 2002.
- [45] M. Kaminskas and D. Bridge, "Diversity, serendipity, novelty, and coverage: A survey and empirical analysis of beyond-Accuracy objectives in recommender systems," *ACM Transactions on Interactive Intelligent Systems*, vol. 7, no. 1, pp. 1–42, 2016.
- [46] J. Carbonell and J. Goldstein, "Use of MMR, diversity-based reranking for reordering documents and producing summaries," *SIGIR Forum (ACM Special Interest Group on Information Retrieval)*, pp. 335–336, 1998.
- [47] C. L. Clarke, M. Kolla, G. V. Cormack, O. Vechtomova, A. Ashkan, S. Büttcher, and I. MacKinnon, "Novelty and diversity in information retrieval evaluation," in *Proceedings of the 31st annual international ACM SIGIR conference on Research and development in information retrieval - SIGIR '08*. New York, New York, USA: ACM Press, jul 2008, p. 659. [Online]. Available: <http://portal.acm.org/citation.cfm?doid=1390334.1390446>
- [48] D. Kotkov, J. Veijalainen, and S. Wang, "How does serendipity affect diversity in recommender systems? A serendipity-oriented greedy algorithm," *Computing*, vol. 102, no. 2, pp. 393–411, 2020. [Online]. Available: <https://doi.org/10.1007/s00607-018-0687-5>



- [49] B. Smyth and P. McClave, “Similarity vs. diversity,” in *International conference on case-based reasoning*. Springer, 2001, pp. 347–361.
- [50] C.-N. Ziegler, S. M. McNee, J. A. Konstan, and G. Lausen, “Improving recommendation lists through topic diversification,” in *Proceedings of the 14th international conference on World Wide Web*, 2005, pp. 22–32.
- [51] M. D. Ekstrand, F. M. Harper, M. C. Willemsen, and J. A. Konstan, “User perception of differences in recommender algorithms,” in *Proceedings of the 8th ACM Conference on Recommender systems*, 2014, pp. 161–168.
- [52] J. P. Kelly and D. Bridge, “Enhancing the diversity of conversational collaborative recommendations: a comparison. artificial intelligence review 25, 1 (01 apr 2006), 79–95. doi: h p,” *dx. doi. org/10.1007/s10462-007-9023-8*, 2006.
- [53] M. T. Ribeiro, A. Lacerda, A. Veloso, and N. Ziviani, “Pareto-efficient hybridization for multi-objective recommender systems,” in *Proceedings of the sixth ACM conference on Recommender systems*, 2012, pp. 19–26.
- [54] R. H. B. Christensen, “ordinal—regression models for ordinal data,” *R package version*, vol. 28, p. 2015, 2015.
- [55] M. D. Back, J. M. Stopfer, S. Vazire, S. Gaddis, S. C. Schmukle, B. Egloff, and S. D. Gosling, “Facebook profiles reflect actual personality, not self-idealization,” *Psychological Science*, vol. 21, no. 3, pp. 372–374, 2010.
- [56] T. B. Kashdan, M. W. Gallagher, P. J. Silvia, B. P. Winterstein, W. E. Bre-en, D. Terhar, and M. F. Steger, “The curiosity and exploration inventory-ii: Development, factor structure, and psychometrics,” *Journal of research in personality*, vol. 43, no. 6, pp. 987–998, 2009.
- [57] P. J. Silvia, “Emotional responses to art: From collation and arousal to cognition and emotion,” *Review of General Psychology*, vol. 9, no. 4, pp. 342–357, 2005.
- [58] A. O. Sykes, “An Introduction to Regression Analysis,” *Coase-Sandor Institute for Law and Economics Working Paper No. 20*, 1993. [Online]. Available: [https://chicagounbound.uchicago.edu/law\\_and\\_economics](https://chicagounbound.uchicago.edu/law_and_economics)
- [59] “Regression analysis - Encyclopedia of Mathematics.” [Online]. Available: [https://encyclopediaofmath.org/index.php?title=Regression\\_analysis](https://encyclopediaofmath.org/index.php?title=Regression_analysis)
- [60] S. Withers, “Categorical Data Analysis,” in *International Encyclopedia of Human Geography*. Elsevier, 2009, pp. 456–462. [Online]. Available: <https://linkinghub.elsevier.com/retrieve/pii/B9780080449104004090>
- [61] R. Haubo and B. Christensen, “Analysis of ordinal data with cumulative link models-estimation with the R-package ordinal,” 2015.



- [62] R. H. B. Christensen, “Cumulative Link Models for Ordinal Regression with the R Package ordinal,” *Journal of Statistical Software*, no. Christensen 2018, pp. 1–40, 2019. [Online]. Available: [http://cran.uni-muenster.de/web/packages/ordinal/vignettes/clm\\_article.pdf](http://cran.uni-muenster.de/web/packages/ordinal/vignettes/clm_article.pdf)
- [63] “Tests of Significance.” [Online]. Available: <http://www.stat.yale.edu/Courses/1997-98/101/sigtest.htm>
- [64] V. J. Easton and J. H. McColl, “Statistics glossary v1. 1,” 1997.
- [65] M. Nakatsuji, Y. Fujiwara, A. Tanaka, T. Uchiyama, K. Fujimura, and T. Ishida, “Classical music for rock fans?” *Proceedings of the 19th ACM international conference on Information and knowledge management - CIKM '10*, no. October, p. 949, 2010. [Online]. Available: <http://portal.acm.org/citation.cfm?doid=1871437.1871558>
- [66] M. Ge, C. Delgado-Battenfeld, and D. Jannach, “Proceedings of the fourth ACM conference on Recommender systems - RecSys '10,” *the 16Th International Conference*, p. 257, 2010. [Online]. Available: <http://portal.acm.org/citation.cfm?doid=1864708.1864761>
- [67] C.-N. Ziegler, S. M. McNee, J. A. Konstan, and G. Lausen, “Improving recommendation lists through topic diversification,” in *Proceedings of the 14th international conference on World Wide Web - WWW '05*, vol. 3. New York, New York, USA: ACM Press, 2005, p. 22. [Online]. Available: <http://portal.acm.org/citation.cfm?doid=1060745.1060754>