

REFERENCE

- Abulaish, M. (2009). An ontology enhancement framework to accommodate imprecise concepts and relations. *Journal of Emerging Technologies in Web Intelligence*, 1(1), 22–36. <https://doi.org/10.4304/jetwi.1.1.22-36>
- Agarwal, P. (2005). Ontological considerations in GIScience. In *International Journal of Geographical Information Science* (Vol. 19, Issue 5, pp. 501–536). <https://doi.org/10.1080/13658810500032321>
- Agrawal, A., Fu, W., & Menzies, T. (2016). *What is Wrong with Topic Modeling? (and How to Fix it Using Search-based Software Engineering)*. <https://doi.org/10.1016/j.infsof.2018.02.005>
- Amoualian, H., Gaussier, E., Clausel, M., & Amini, M. R. (2016). Streaming-LDA: A copula-based approach to modeling topic dependencies in document streams. *Proceedings of the ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, 13-17-August-2016*, 695–704. <https://doi.org/10.1145/2939672.2939781>
- Andreadis, S., Pantelidis, N., Gialampoukidis, I., Vrochidis, S., & Kompatsiaris, I. (2022). Water quality issues: Can we detect a creeping crisis with social media data? *Proceedings - IEEE Symposium on Computers and Communications, 2022-June*. <https://doi.org/10.1109/ISCC55528.2022.9912859>
- Ansyor Lorosae, T., & Dwi Prakoso, B. (2018). Seminar Nasional Teknologi Informasi dan Multimedia. *UNIVERSITAS AMIKOM Yogyakarta*.
- Anusha, P. V., Anuradha, C., Chandra Murty, P. S. R., & Kiran, C. S. (2019). Detecting outliers in high dimensional data sets using Z-score methodology. *International Journal of Innovative Technology and Exploring Engineering*, 9(1), 48–53. <https://doi.org/10.35940/ijitee.A3910.119119>
- Banerjee, A., & Basu, S. (2007). *Topic Models over Text Streams: A Study of Batch and Online Unsupervised Learning*.
- Belady, L. A., Nelson, R. A., & Shedler, G. S. (1969). *An Anomaly in Space-Time Characteristics of Certain Programs Running in a Paging Machine*.
- Bitner, M. J., Booms, B. H., & Tetreault, M. S. (1990). The Service Encounter: Diagnosing Favorable and Unfavorable Incidents. In *Source: Journal of Marketing* (Vol. 54, Issue 1).

- Blei, D. M., Griffiths, T. L., Jordan, M. I., & Tenenbaum, J. B. (2003). *Hierarchical Topic Models and the Nested Chinese Restaurant Process*.
- Blei, D. M., & Lafferty, J. D. (2006). *Dynamic Topic Models*.
- Blei, D. M., Ng, A. Y., & Jordan, M. I. (2003). *Latent Dirichlet Allocation*.
- Cambra-Fierro, J., Melero, I., & Sese, F. J. (2015). Managing complaints to improve customer profitability. *Journal of Retailing*, 91(1), 109–124. <https://doi.org/10.1016/j.jretai.2014.09.004>
- Cambra-Fierro, J., Melero-Polo, I., & Javier Sese, F. (2016). Can complaint-handling efforts promote customer engagement? *Service Business*, 10(4), 847–866. <https://doi.org/10.1007/s11628-015-0295-9>
- Cao, Z., Li, S., Liu, Y., Li, W., & Ji, H. (2015). *A Novel Neural Topic Model and Its Supervised Extension*. www.aaai.org
- Chen, C., Du, L., & Buntine, W. (2011). *Sampling Table Configurations for the Hierarchical Poisson-Dirichlet Process*.
- Chen, H. S., & Jai, T. M. (2021). Trust fall: data breach perceptions from loyalty and non-loyalty customers. *Service Industries Journal*, 41(13–14), 947–963. <https://doi.org/10.1080/02642069.2019.1603296>
- Chen, X., Candan, K. S., & Sapino, M. L. (2018). *IMS-DTM: Incremental Multi-Scale Dynamic Topic Models **. www.aaai.org
- Chen, X., Ye, P., Huang, L., Wang, C., Cai, Y., Deng, L., & Ren, H. (2023). Exploring science-technology linkages: A deep learning-empowered solution. *Information Processing and Management*, 60(2). <https://doi.org/10.1016/j.ipm.2022.103255>
- Cheng, D., & Liu, Y. (2014a). Parallel Gibbs sampling for hierarchical Dirichlet processes via gamma processes equivalence. *Proceedings of the ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*, 562–571. <https://doi.org/10.1145/2623330.2623708>
- Cheng, D., & Liu, Y. (2014b). Parallel Gibbs sampling for hierarchical Dirichlet processes via gamma processes equivalence. *Proceedings of the ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*, 562–571. <https://doi.org/10.1145/2623330.2623708>
- Chrobak, M., & Noga, J. (1999). *LRU Is Better than FIFO 1* (Vol. 23).
- Churchill, R., & Singh, L. (2022). The Evolution of Topic Modeling. *ACM Computing Surveys*, 54(10). <https://doi.org/10.1145/3507900>

- Cri , & D. (2003). Consumers' complaint behavior, taxonomy, typology and determinants Towards a unified ontology. . *The Journal of Database Marketing and Customer Strategy Management*.
- De Vries, E., Schoonvelde, M., & Schumacher, G. (2018). No Longer Lost in Translation: Evidence that Google Translate Works for Comparative Bag-of-Words Text Applications. *Political Analysis*, 26(4), 417–430.
<https://doi.org/10.1017/pan.2018.26>
- Ding, R., Nallapati, R., & Xiang, B. (2018). *Coherence-Aware Neural Topic Modeling*.
<https://github.com/jhlau/>
- Dwikesumasari, P. R., & Ervianty, R. M. (2017). *Customer Loyalty Analysis of Online Travel Agency App with Customer Satisfaction As A Mediation Variable*.
- Eytan, O., Harnik, D., Ofer, E., Friedman, R., & Kat, R. (2020). *It's Time to Revisit LRU vs. FIFO*.
- Gar n-Mu oz UNED, T., Covadonga Gij n, S., P rez-Amaral, T., & L pez, R. (2016). *Consumer complaint behavior in telecommunications: The case of mobile phone users in Spain*. <http://hdl.handle.net/10419/101444>
- Gillis, N. (2014). *The Why and How of Nonnegative Matrix Factorization*.
<http://arxiv.org/abs/1401.5226>
- Griffiths, T. L., Steyvers, M., Blei, by, & Blei, J. (2004). *Finding scientific topics A first step in identifying the content of a document is determining which topics that document addresses. We describe a generative model for documents, introduced*.
www.pnas.org/cgi/doi/10.1073/pnas.0307752101
- Guo, T., Schwartz, D. G., Burstein, F., & Linger, H. (2009). Codifying collaborative knowledge: Using Wikipedia as a basis for automated ontology learning. *Knowledge Management Research and Practice*, 7(3), 206–217.
<https://doi.org/10.1057/kmrp.2009.14>
- Gyung Kim, M., Wang, C., & Mattila, A. S. (2010). The relationship between consumer complaining behavior and service recovery: An integrative review. *International Journal of Contemporary Hospitality Management*, 22(7), 975–991.
<https://doi.org/10.1108/09596111011066635>
- Hoffman, K.D., Kelley, S.W., Rotalsky, & H.M. (1995). Tracking service failures and employee recovery efforts. *The Journal of Services Marketing*, 49–61.

- Homburg, C., & Fürst, A. (2005). How Organizational Complaint Handling Drives Customer Loyalty: An Analysis of the Mechanistic and the Organic Approach. In *Source: Journal of Marketing* (Vol. 69, Issue 3).
- Homburg, C., Fürst, A., & Koschate, N. (2010). On the importance of complaint handling design: A multi-level analysis of the impact in specific complaint situations. *Journal of the Academy of Marketing Science*, 38(3), 265–287. <https://doi.org/10.1007/s11747-009-0172-y>
- Iriqat, R. A. M., & Daqar, M. A. M. A. (2017). The Impact of Customer Relationship Management on Long-term Customers' Loyalty in the Palestinian Banking Industry. *International Business Research*, 10(11), 139. <https://doi.org/10.5539/ibr.v10n11p139>
- Ishwaran, H., & James, L. F. (2001). *Gibbs Sampling Methods for Stick-Breaking Priors*.
- Ishwaran, H., & Rao, J. S. (2005). Spike and slab variable selection: Frequentist and bayesian strategies. In *Annals of Statistics* (Vol. 33, Issue 2, pp. 730–773). <https://doi.org/10.1214/009053604000001147>
- Iwata, T., Watanabe, S., Yamada, T., & Ueda, N. (2009). *Topic Tracking Model for Analyzing Consumer Purchase Behavior*.
- Jiang, H., Lei, Z., Rao, Y., Xie, H., & Wang, F. L. (2022). Parallel dynamic topic modeling via evolving topic adjustment and term weighting scheme. *Information Sciences*, 585, 176–193. <https://doi.org/10.1016/j.ins.2021.11.060>
- Kingma, D. P., & Welling, M. (2013). *Auto-Encoding Variational Bayes*. <http://arxiv.org/abs/1312.6114>
- Lee, C. H., Wang, Y. H., & Trappey, A. J. C. (2015). Ontology-based reasoning for the intelligent handling of customer complaints. *Computers and Industrial Engineering*, 84, 144–155. <https://doi.org/10.1016/j.cie.2014.11.019>
- Li, G. K. J., Trappey, C. V., Trappey, A. J. C., & Li, A. A. S. (2022). Ontology-based knowledge representation and semantic topic modeling for intelligent trademark legal precedent research. *World Patent Information*, 68. <https://doi.org/10.1016/j.wpi.2022.102098>
- Li, X., Zhang, A., Li, C., Ouyang, J., & Cai, Y. (2018). Exploring coherent topics by topic modeling with term weighting. *Information Processing and Management*, 54(6), 1345–1358. <https://doi.org/10.1016/j.ipm.2018.05.009>

- Lim, K. W., Buntine, W., Chen, C., & Du, L. (2016). Nonparametric Bayesian topic modelling with the hierarchical Pitman–Yor processes. *International Journal of Approximate Reasoning*, 78, 172–191. <https://doi.org/10.1016/j.ijar.2016.07.007>
- Lin, L., Rao, Y., Xie, H., Lau, R. Y. K., Yin, J., Wang, F. L., & Li, Q. (2022). Copula Guided Parallel Gibbs Sampling for Nonparametric and Coherent Topic Discovery. *IEEE Transactions on Knowledge and Data Engineering*, 34(1), 219–235. <https://doi.org/10.1109/TKDE.2020.2976945>
- Levandowsky, M., & Winter, D. (1971). Distance between sets. *Nature*, 234(5323), 34–35.
- Miao, Y., Grefenstette, E., & Blunsom, P. (2017). *Discovering Discrete Latent Topics with Neural Variational Inference*. <http://arxiv.org/abs/1706.00359>
- Miao, Y., Yu, L., & Blunsom, P. (2015). *Neural Variational Inference for Text Processing*. <http://arxiv.org/abs/1511.06038>
- Miller, & GA. (1995). *WordNet: A Lexical Database for English* George A. Miller.
- Mimno, D., Wallach, H. M., Talley, E., Leenders, M., & Mccallum, A. (2011). *Optimizing Semantic Coherence in Topic Models*. Association for Computational Linguistics.
- Monteiro, E., Righi, R., Kunst, R., da Costa, C., & Singh, D. (2021). Combining Natural Language Processing and Blockchain for Smart Contract Generation in the Accounting and Legal Field. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 12615 LNCS, 307–321. https://doi.org/10.1007/978-3-030-68449-5_31
- Nallapati, R.M., Dittmore, Susan, Lafferty, J.D., Ung, K., Berkhin, Pavel., ACM Digital Library., Association for Computing Machinery. Special Interest Group on Knowledge Discovery & Data Mining., & Association for Computing Machinery. Special Interest Group on Management of Data. (2007). *Multiscale topic tomography*. ACM.
- Ngai, E. W. T., Heung, V. C. S., Wong, Y. H., & Chan, F. K. Y. (2007). Consumer complaint behaviour of Asians and non-Asians about hotel services: An empirical analysis. *European Journal of Marketing*, 41(11–12), 1375–1391. <https://doi.org/10.1108/03090560710821224>
- Nigam, K., Mccallum, A. K., Thrun, S., & Mitchell, T. (2000). *Text Classification from Labeled and Unlabeled Documents using EM* (Vol. 39).

- Nikbin, D., Ismail, I., & Marimuthu, M. (2013). The relationship between informational justice, recovery satisfaction, and loyalty: The moderating role of failure attributions. *Service Business*, 7(3), 419–435. <https://doi.org/10.1007/s11628-012-0169-3>
- Ren, L., Dunson, D. B., & Carin, L. (2008). *The Dynamic Hierarchical Dirichlet Process*.
- Ro, H. (2014). Complaint, patience, and neglect: Responses to a dissatisfying service experience. *Service Business*, 8(2), 197–216. <https://doi.org/10.1007/s11628-013-0193-y>
- Shiffler, R. E. (1988). *Maximum Z Scores and Outliers* (Vol. 42, Issue 1).
- Smith, A. K., & Bolton, R. N. (2000). The Effect of Customers' Emotional Responses to Service Failures on Their Recovery Effort Evaluations and Satisfaction Judgments. In *Journal of the Academy of Marketing Science* (Vol. 30, Issue 1).
- Stauss, B., & Seidel, W. (2019). *Management for Professionals Effective Complaint Management The Business Case for Customer Satisfaction Second Edition*. <http://www.springer.com/series/10101>
- Teh, Y. W., Jordan, M. I., Beal, M. J., & Blei, D. M. (2005). *Hierarchical Dirichlet processes*.
- Van, J., Berg, D., & Gandolfi, A. (1992). LRU Is Better than FIFO under the Independent Reference Model. In *Source: Journal of Applied Probability* (Vol. 29, Issue 1). <https://www.jstor.org/stable/3214811>
- Vijayarani, S., & Research Scholar, M. P. (2015). *Preprocessing Techniques for Text Mining-An Overview*.
- Wallach, H. M., Mimno, D., & Mccallum, A. (2009). *Rethinking LDA: Why Priors Matter*. <http://rexa.info/>
- Wang, C., Blei, D., & Heckerman, D. (2012). *Continuous Time Dynamic Topic Models*.
- Wang, T., Cai, Y., Leung, H. F., Cai, Z., & Min, H. (2016). Entropy-based term weighting schemes for text categorization in VSM. *Proceedings - International Conference on Tools with Artificial Intelligence, ICTAI, 2016-January*, 325–332. <https://doi.org/10.1109/ICTAI.2015.57>
- Wang, X., & Mccallum, A. (2006). *Topics over Time: A Non-Markov Continuous-Time Model of Topical Trends*.
- Whye Teh, Y., Jordan, M. I., Beal, M. J., & Blei, D. M. (2004). *Sharing Clusters Among Related Groups: Hierarchical Dirichlet processes*.

- Wu, J., Rao, Y., Zhang, Z., Xie, H., Li, Q., Wang, F. L., & Chen, Z. (2020). *Neural Mixed Counting Models for Dispersed Topic Discovery*.
- Yang, K., Cai, Y., Chen, Z., Leung, H.-F., & Lau, R. (2016). *Exploring Topic Discriminating Power of Words in Latent Dirichlet Allocation*.
- Yang, Y., Xu, D. L., Yang, J. B., & Chen, Y. W. (2018). An evidential reasoning-based decision support system for handling customer complaints in mobile telecommunications. *Knowledge-Based Systems*, 162, 202–210. <https://doi.org/10.1016/j.knosys.2018.09.029>
- Yurochkin, M., Guha, A., & Nguyen, X. (2017). *Conic Scan-and-Cover algorithms for nonparametric topic modeling*. <http://arxiv.org/abs/1710.02952>
- Zhang, J. (2023). *Graph-ToolFormer: To Empower LLMs with Graph Reasoning Ability via Prompt Augmented by ChatGPT*. <http://arxiv.org/abs/2304.11116>
- Zhang, J., Song, Y., Zhang, C., Liu, S., & Association for Computing Machinery. Special Interest Group on Knowledge Discovery & Data Mining. (2010). *Evolutionary Hierarchical Dirichlet processes for Multiple Correlated Time-varying Corpora*. Association for Computing Machinery.
- Zheng, L., He, Z., & He, S. (2023). ITMDID: An improved topic model for defect information derivation. *Expert Systems with Applications*, 223. <https://doi.org/10.1016/j.eswa.2023.119947>
- Zhou, M., & Carin, L. (2012). *Augment-and-Conquer Negative Binomial Processes*.