



## REFERENCES

- Ahmed, A. M., Zairi, M., & Alwabel, S. A., 2006, Global benchmarking for internet and e-commerce applications, *Benchmarking: An International Journal*, Vol. 13, pp. 68-80.
- Ali et al., 2019, Transportation sentiment analysis using word embedding and ontology-based topic modeling, *Knowledge-Based Systems*, Vol. 174, pp. 27-42.
- Andersen, A., 1999, Geographic differences in internet access among corporate executives narrows, *Andersen Consulting News*.
- Arndt, J., 1967, Role of Product-Related Conversations in the Diffusion of a New Product, *Journal of Marketing Research*, Vol. 4, pp. 291-295.
- Bagheri, A., Saraee, M., & Jong, F., 2014, ADM-LDA: An aspect detection model based on topic modelling using the structure of review sentences, *Journal of Information Science*, Vol. 40, pp. 621-636.
- Balakrishnan, A., & Geunes, J., 2004, Collaboration and Coordination in Supply Chain Management and E-Commerce, *Production and Operation Management*, Vol. 13, pp 1-2.
- Barsauskas, P., Sarapovas, T., & Cvilikas, A., The evaluation of e-commerce impact on business efficiency, *Baltic Journal of Management*, Vol. 3, pp. 71-91.
- Bastani, K., Namavari, H., & Shaffer, J., 2019, Latent Dirichlet allocation (LDA) for topic modeling of the CFPB consumer complaints, *Expert Systems with Applications*, Vol. 127, pp. 256-271.
- Bi, J., & Liu, Y., Fan, Z., & Zhang, J., 2019, Wisdom of crowds: Conducting importance-performance analysis (IPA) through online reviews, *Tourism Management*, Vol. 70, pp. 460-478.
- Bird, S., Klein, E., & Loper, E., 2009, *Natural Language Processing with Python*, California, O'Reilly Media, Inc.
- Blei, David M., 2012, Probabilistic Topic Models, *Communication of the ACM*, Vol. 44, pp. 77-83.
- Cakim, Idil M., 2010, *Implementing Word of Mouth Marketing*, New Jersey: John Wiley & Sons.
- Cardenas, I., Beckers, J., & Vanelslander, T., 2017, E-Commerce last-mile in Belgium: Developing an external cost delivery index, *Research in Transportation Business & Management*, Vol. 24, pp. 123-129.
- Chatterjee, P., 2001, Online reviews: Do consumers use them?, *Advances in Consumer Research*, Vol. 28, pp. 129-133.
- Chen, et al., 2010, What is an opinion about? Exploring political standpoints using opinin scoring model.
- Cheng, V. C., Leung, C. H. C., & Liu, J., 2014, Probabilistic Aspect Mining Model for Drug Reviews, *IEEE Transactions on Knowledge and Data Engineering*, Vol. 26, pp. 2002-2013.



- Cohen, R., & Ruths, D., 2013, Classifying political orientation on twitter: it's not easy, Proceedings of the Seventh International AAAI Conference on Weblogs and Social Media.
- D'Andrea, A., Ferri, F., Grifoni, P., Guzzo, T., 2015, Approaches, Tools and Applications for Sentiment Analysis Implementation, International Journal of Computer Applications, Vol. 125, pp. 26-33.
- Debortoli, S., Muller, O., Junglas, I., & Brocke, J., 2016, Text mining for information systems researched: an annotated topic modeling tutorial.
- Denkena, B., Apitz, R., & Liedtke, C., 2006, Knowledge-based benchmarking of production performance, *Benchmarking: An International Journal*, Vol. 13, pp. 190-199.
- Dillon, T. W., & Reif, H. L., 2004, Factors Influencing Consumers' E-Commerce Commodity Purchases, *Information Technology, Learning, and Performance Journal*, Vol. 22, pp. 1-12.
- Duan, W., Gu, B., & Whinston, A. B., 2008, Do online reviews matter? – An empirical investigation of panel data, *Decision Support Systems*, Vol. 45, pp. 1007-1016. Vol. 2, pp. 1-14.
- Fang, X., & Zhan, J., 2015, Sentiment analysis using product review, *Journal of Big Data*.
- Gensim, 2020, models.coherencemodel – Topic coherence pipeline, <https://radimrehurek.com/gensim/models/coherencemodel.html> (Online Accessed : May 6, 2020).
- Gensim, 2020, models.ldamodel – Latent Dirichlet Allocation, <https://radimrehurek.com/gensim/models/ldamodel.html> (Online Accessed : May 6, 2020).
- Gensim, 2020, models.phrases – Phrase (collocation) detection, [https://radimrehurek.com/gensim/models/phrases.html#gensim.models.phrases.original\\_scorer](https://radimrehurek.com/gensim/models/phrases.html#gensim.models.phrases.original_scorer) (Online Accessed : May 25, 2020).
- Gensim, 2020, Project Description, <https://pypi.org/project/gensim/> (Online Accessed: April 20, 2020).
- Gethers, M., & Poshyvanyk, D., 2010, Using relational topic models to capture coupling among classes in object-oriented software systems, IEEE international conference on software maintenance (ICSM).
- Godes, D., & Mayzlin, D., 2004, Using Online Conversations to Study Word-of-Mouth Communication, *Marketing Science*, Vol. 23, pp. 469-631.
- Goodman, John A., 2009, *Strategic Customer Service*, AMACOM.
- Gunasekaran, A., & Putnik, G. D., 2006, Performance measures, benchmarking and best practices in the new economy, *Benchmarking: An International Journal*, Vol. 13.
- Holton, C., 2009, Identifying disgruntled employee systems fraud risk Through text mining: A simple solution for a multi-billions dollar problem, *Decision Support Systems*, Vol. 46, pp. 853-864.
- Hu, N., Liu, L., & Zhang, J. J., 2008, Do online reviews affect product sales? The role of reviewer characteristics and temporal effects, *Information Technological Management*, Vol 9, pp. 201-214.



- Jelodar, et al., 2018, Latent Dirichlet allocation (LDA) and topic modeling: models, applications, a survey, *Multimedia Tools and Applications*.
- Jo, Y., & Oh, A., 2011, Aspect and sentiment unification model for online review analysis, *ACM*, pp. 815-824.
- Johnson, M. E., & Whang, S., 2002, E-Business and Supply Chain Management: An Overview and Framework, *Production and Operations Management*, Vol. 11, pp. 413-423. [27]
- Kim, S., & Kang, J., 2018, Analyzing the discriminative attributes of products using text mining focused on cosmetic reviews, *Information Processing and Management*, Vol. 54, pp. 938-957.
- Jurafsky, D., & Martin, J. H., 2019, *Speech and Language Processing*, New Jersey, Prentice Hall.
- Karakaya, F., & Barnes, N. G., 2010, Impact of online reviews of customer care experience on brand or company selection, *Journal of Consumer Marketing*, Vol. 27, pp. 447-457.
- Kumari, N., & Singh, S. N., 2016, Sentiment Analysis on E-commerce Application by using Opinion Mining, 2016 6th International Conference - Cloud System and Big Data Engineering (Confluence), pp. 320-325.
- Li, F., Huang, M., & Zhu, X., 2010, Sentiment analysis with global topics and local dependency, *Proceedings of the Twenty-Fourth AAAI Conference on Artificial Intelligence (AAAI-10)*.
- Liu, B., 2015, *Sentiment Analysis: Mining Opinions, Sentiments, and Emotions*, New York, Cambridge University Press.
- Maria J., Martínez-Argüelles, Castán, J. M., & Juan, A. A., 2012, Using the critical incident technique to identify factors of service quality in online higher education, *International Journal of Information Systems in the Service Sector*, Vol. 2, pp. 57-72.
- McGaughey, R.E., 2002, Benchmarking business-to-business electronic commerce, *Benchmarking: An International Journal*, Vol. 9, pp. 478-484.
- McKinney, W., 2017, *Python for Data Analysis*, California, O'Reilly Media, Inc.
- Microsoft, 2017, *State of Global Customer Service Report*.
- Nopp, C., & Hanbury, A., 2015, Detecting Risks in the Banking System by Sentiment Analysis, *Proceedings of the 2015 Conference on Empirical Methods in Natural Language Processing*, pp. 591-600.
- Park, H. S., Lee, Y., & Kim, H. S., 2010, The effect of perceived website quality of fashion shopping on customer satisfaction and repurchase intentions for Korean and Chinese college students, *Journal of the Korean Society of Clothing and Textiles*, Vol. 34, pp. 212-225.
- Patel, V., Prabhu, G., & Bhowmick, K., 2015, A survey of opinion mining and sentiment analysis, *International Journal of Computer Applications*, Vol. 131, pp. 24-27.
- Paul, M. J., & Dredze, M., 2012, You are what you tweet: analyzing twitter for public health, *Proceedings of the Fifth International AAAI Conference on Weblogs and Social Media*.
- Python, 2019, What is Python? Executive Summary, <https://www.python.org/doc/essays/blurb/> (Online Accessed: April 30, 2020)



- Ramanathan, R., 2011, An empirical analysis on the influence of risk on relationships between handling of product returns and customer loyalty in E-commerce, *Int. J. Production Economics*, Vol. 130, pp. 255-261.
- Röder, M., Both, A., & Hinneburg, A., 2015, Exploring the space of topic coherence measures, *Proceedings of the Eight ACM International Conference on Web Search and Data Mining*, pp. 399-408.
- Sanchez-Rodrigues, V., Potter, A., & Naim, M. M., 2010, Evaluating the causes of uncertainty in logistics operations, *International Journal of Logistics Management*, Vol. 21, pp. 45-64.
- Sloria, 2014, TextBlob, <https://github.com/sloria/TextBlob/> (Online Accessed: May 30, 2020)
- Solomon, Michael R., 2017, *Consumer Behavior: Buying, Having, and Being*, Pearson Education.
- Standifird, S. S., 2001, Reputation and e-commerce: eBay auctions and the asymmetrical impact of positive and negative ratings, *Journal of Management*, Vol. 21, pp. 279-295.
- Su, Q., Li, Z., Song, Y., & Chen, T., 2006, Conceptualizing consumers' perceptions of e-commerce quality, *International Journal of Retail & Distribution Management*, Vol. 36, pp. 360-374.
- Suharno, M. A., 2019, Identifikasi Sentimen Fitur Produk pada Ulasan Online Menggunakan Aspect-Based Sentiment Analysis, Bachelor of Science Thesis Report, Universitas Gadjah Mada, Yogyakarta.
- Sun, Q., Niu, J., Yao, Z., & Yan, H., 2019, Exploring eWOM in online customer reviews: Sentiment analysis at a fine-grained level, *Engineering Applications of Artificial Intelligence*, Vol. 81, pp. 68-78.
- Tang, O., & Musa, S. N., 2011, Identifying risk issues and research advancements in supply chain risk management, *Int. J. Production Economics*, Vol. 133, pp. 25-34.
- TextBlob, 2020, TextBlob: Simplified Text Processing, <https://textblob.readthedocs.io/en/dev/index.html> (Online Accessed: April 30, 2020)
- Titov, I., & McDonald, R., 2008, Modeling online reviews with multi-grain topic models, WWW 2008: Data Mining-Modeling.
- Wang, Q., Chu, B., Wang, J., & Kumakiri, Y., 2012, Risk analysis of supply contract with call options for buyers, *Int. J. Production Economics*, Vol. 139, pp. 97-105.
- Wang, W., Feng, Y., & Dai, W., 2018, Topic analysis of online reviews for two competitive products using Latent Dirichlet allocation, *Electronic Commerce Research and Applications*, Vol. 29, pp. 142-156.
- Wang, et al., 2014, Product aspect extraction supervised with online domain knowledge, *Knowledge-Based Systems*, Vol. 71, pp. 86-100.
- Wayasti, R. A., Surjandari, I., & Zulkarnain, 2018, Mining customer opinion for topic modeling purpose: Case study of ride-hailing service provider, *International Conference on Information and Communication Technology (ICoICT)*. Pp. 305-309.



- William, T., & Betak, J., 2018, A Comparison of LSA and LDA for the Analysis of Railroad Accident Text, *Procedia Computer Science*, Vol. 130, pp. 98-102.
- WordNet, 2019, What is WordNet, <https://wordnet.princeton.edu/> (Online Accessed: April 30, 2020)
- Wu, et al., 2017, A topic modeling-based approach to novel document automatic summarization, *Expert Systems with Applications*, Vol. 84, pp. 12-23.
- Xianghua, F., Guo, L., Yanyan, G., & Zhiqiang, W., 2013, Multi-aspect sentiment analysis for Chinese online social reviews based on topic modeling and HowNet Lexicon, *Knowledge-Based Systems*, Vol. 37, pp. 186-195.
- Yoo, C. W., Sanders, G. L., & Moon, J., 2013, Exploring the effect of e-WOM participation on e-loyalty in e-commerce, Vol 55, pp. 669-678.
- Zeng, Y. E., Wen, H. J., & Yen, D. C., 2003, Customer relationship management (CRM) in business-to-business (B2B) e-commerce, *Information Management & Computer Security*, Vol. 11, pp. 39-44.
- Zhang, L., Sun, X., & Zhuge, H., 2015, Topic discovery of clusters from documents with geographical location. *Concurrency and computation: Practice and Experience*, Vol. 27., pp. 4015-4038.
- Zheng, K., Zhang, Z., & Song, B., 2019, E-commerce logistics distribution mode in big-data context: A case analysis of JD.COM, *Industrial Marketing Management*, Vol. 86, pp. 154-162