

REFERENCES

- Agrawal, R., Imielinski, T. and Swami, A., 1993, 'Mining Association Rules Between Sets of Items in Large Databases, SIGMOD Conference', in *Sigmod Record*, pp. 207-. doi: 10.1145/170036.170072.
- Ahmad, R., Khan, R., Nadeem, A., Ali, A., 2019, 'Business Analytics: A Framework', *International Journal of Computer Technology & Application*, 10, 102-108.
- Amado, A., Cortez, P., Rita, P., Moro, S., 2017, 'Research trends on Big Data in Marketing: A text mining and topic modeling based literature analysis', *European Research on Management and Business Economics*, 24. doi: 10.1016/j.iedeen.2017.06.002.
- Blei, D. M., 2012, 'Probabilistic Topic Models', *Commun. ACM*, 55(4), pp. 77–84. doi: 10.1145/2133806.2133826.
- Blei, D. M., Ng, A. Y. and Jordan, M. I., 2003, 'Latent Dirichlet allocation', *Journal of Machine Learning Research*, 3(4–5), pp. 993–1022. doi: 10.1016/b978-0-12-411519-4.00006-9.
- Brett, M. R., 2012, 'Topic Modeling: A Basic Introduction', *Journal of digital humanities*, 2(1), pp. 12–16.
- Chakraborty, S., Kumar, S., Paul, S., Kairi, A., 2017, 'A Study of Product Trend Analysis of Review Datasets using Naive Bayes', K-NN and SVM Classifiers', *International Journal of Advanced Engineering and Management*, 2, pp. 204–213. doi: 10.24999/IJOAEM/02090047.
- Manning, C. D., 2021, 'Speech and Language Processing: An introduction to natural language processing', in *Speech and Language Processing An Introduction to Natural Language Processing Computational Linguistics and Speech Recognition*, p. 66. Available at: <http://www.cs.colorado.edu/~martin/slp.html>.
- Ciesielski, V. and Palstra, G., 1996, 'Using a Hybrid Neural/Expert System for Data Base Mining in Market Survey Data.', in *Knowledge Discovery and Data Mining (KDD)*, pp. 38–43. Available at: <http://www.aaai.org/Papers/KDD/1996/KDD96-007.pdf>.
- Colianni, S., Rosales, S. and Signorotti, M., 2015, *Algorithmic Trading of Cryptocurrency Based on Twitter Sentiment Analysis, CS229 Project*. Available at: http://cs229.stanford.edu/proj2015/029_report.pdf.
- Deshwal, A. and Sharma, S. K., 2016, 'Twitter sentiment analysis using various classification algorithms', in *2016 5th International Conference on Reliability, Infocom Technologies and Optimization, ICRITO 2016: Trends and Future Directions*, pp. 251–257. doi: 10.1109/ICRITO.2016.7784960.
- Dey, L., Chakraborty, S., Biswas, A., Bose, B., Tiwari, S., 2016, 'Sentiment Analysis of Review Datasets Using Naïve Bayes' and K-NN Classifier', *International Journal of Information Engineering and Electronic Business*, 8(4), pp. 54–62. doi: 10.5815/ijieeb.2016.04.07.
- Feldman, R. and Sanger, J., 2006, *The Text Mining Handbook, The Text Mining Handbook*. doi: 10.1017/cbo9780511546914.

Hoffman, M. D., Blei, D. M., Wang, C., Paisley, J., 2013, 'Stochastic variational inference', *Journal of Machine Learning Research*, 14, pp. 1303–1347.

Jadhav, S. D. and Channe, H. P., 2016, 'Comparative Study of K-NN, Naive Bayes and Decision Tree Classification Techniques', *International Journal of Science and Research (IJSR)*, 5(1), pp. 1842–1845. doi: 10.21275/v5i1.nov153131.

Kengken, R. I., 2014, Pemodelan Topik untuk Media Sosial menggunakan Latent Dirichlet Allocation, *Skripsi*, Universitas Gadjah Mada.

Kibriya, A. M., Frank, E., Pfahringer, B., Holmes, G., 2004, Multinomial naive bayes for text categorization revisited, *Lecture Notes in Artificial Intelligence (Subseries of Lecture Notes in Computer Science)*. doi: 10.1007/978-3-540-30549-1_43.

Kotler, P., Armstrong, G. and Opresnik, M., 2019, *Marketing: An Introduction 13 th Edition*.

Ling, C. X., Schultz, M. G., Eskin, E., Zadok, E., Stolfo, S. J., Mitra, S., Pal, S. K., Mitra, P., 2008, 'Data Mining for Direct Marketing: Problems and Solutions', in *Proceedings of the 7th USENIX Security Symposium*, pp. 38–49.

Mccallum, A. and Nigam, K., 2001, 'A Comparison of Event Models for Naive Bayes Text Classification', *Work Learn Text Categ*, 752.

Mimno, D. Wallach, H. M., Talley, E., Leenders, M., Mccallum, A., 2011, 'Optimizing semantic coherence in topic models', in *EMNLP 2011 - Conference on Empirical Methods in Natural Language Processing, Proceedings of the Conference*, pp. 262–272.

Nguyen, T. H. and Shirai, K., 2015, 'Topic modeling based sentiment analysis on social media for stock market prediction', in *ACL-IJCNLP 2015 - 53rd Annual Meeting of the Association for Computational Linguistics and the 7th International Joint Conference on Natural Language Processing of the Asian Federation of Natural Language Processing, Proceedings of the Conference*, pp. 1354–1364. doi: 10.3115/v1/p15-1131.

Nikam, S. S., 2017, 'A Comparative Study of Classification Techniques in Data Mining Algorithms', *International Journal of Modern Trends in Engineering & Research*, 4(7), pp. 58–63. doi: 10.21884/ijmter.2017.4211.vxayk.

Pranav, D. S., Punj, D., Dubey, T., Chawla, P., 2021, 'Data mining in Cloud Computing', *Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021*, 3(3), pp. 71–78. doi: 10.1109/ICCMC51019.2021.9418489.

Purohit, A., Atre, D. and Jaswani, P., 2015, 'Text Classification in Data Mining', *International Journal of Scientific and Research Publications (IJSRP)*, 5(6), pp. 1–6.

Sagayam, R., Srinivasan, S. and Roshni, S., 2012, 'A Survey of Text Mining: Retrieval, Extraction and Indexing Techniques', *International Journal Of Computational Engineering Research (ijceronline.com)*, 2(5), pp. 2250–3005. Available at: <http://pakacademicsearch.com/pdf-files/com/319/1443-1446> Volume 2, Issue 5, September, 2012.pdf.

Garcia, K. & Berton, L., 2021. Topic detection and sentiment analysis in Twitter content related to COVID-19 from Brazil and the USA. *Applied Soft Computing*, 101, p.107057. Available at: <http://dx.doi.org/10.1016/j.asoc.2020.107057>.



**TOPIC DETECTION FOR CULINARY MARKET ANALYSIS USING LDA, NAIVE BAYES ALGORITHM
AND K NEAREST NEIGHBOR
ALGORITHM**

M. N. AJIPAWENANG, Azhari, Drs., MT., Dr

UNIVERSITAS
GADJAH MADA

Universitas Gadjah Mada, 2021 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Wallbing, S. 2021. Computational Analysis of Swedish Newspapers Using Topic Detection
and Sentiment Analysis. *Dissertation*. Retrieved from
<http://urn.kb.se/resolve?urn=urn:nbn:se:uu:diva-440104>