

DAFTAR PUSTAKA

- Allen, J. (1995). *Natural Language Understanding (2nd ed.)*. Benjamin/Cummings Publishing Company.
- Albalawi, R., Yeap, T. H., dan Benyoucef, M. (2020). Using topic modeling methods for short-text data: A comparative analysis. *Frontiers in Artificial Intelligence*, 3(42) doi:10.3389/frai.2020.00042.
- Anastasiu, D., Tagarelli, A., & Karypis, G. (2013). *Document clustering: The next frontier*. In *Wiley Interdisciplinary Reviews: Computational Statistics*. <https://doi.org/10.1002/9781118445112.stat07973>
- Anton, H., & Rorres, C. (2013). *Elementary Linear Algebra (11th ed.)*. New York: John Wiley & Sons. ISBN: 978-1118434413.
- Bahdanau, D., Cho, K., & Bengio, Y. (2014). *Neural Machine Translation by Jointly Learning to Align and Translate*. arXiv preprint arXiv:1409.0473.
- Berry, M. W., Browne, M., Langville, A. N., Pauca, V. P., & Plemmons, R. J. (2007). *Algorithms and Applications for Approximate Nonnegative Matrix Factorization*. *Computational Statistics & Data Analysis*, 52(1), 155–173.
- Bianchi, F., Terragni, S., & Hovy, D. (2021). *Pre-training is a Hot Topic: Contextualized Document Embeddings Improve Topic Coherence*. Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics (ACL), 759–766.
- Bishop, C. M. (2006). *Pattern Recognition and Machine Learning*. New York: Springer. ISBN: 978-0387310732.
- Blei, D. M., Ng, A. Y., & Jordan, M. I. (2003). *Latent Dirichlet Allocation*. *Journal of Machine Learning Research*, 3, 993–1022.

- Blei, D. M., & Lafferty, J. D. (2007). *A Correlated Topic Model of Science*. *Annals of Applied Statistics*, 1(1), 17–35.
- Blei, D. M., Kucukelbir, A., & McAuliffe, J. D. (2017). *Variational Inference: A Review for Statisticians*. *Journal of the American Statistical Association*, 112(518), 859–877.
- Bommasani, R., Kumar, D. A., Chen, B. L., Creel, E., Liang, D., Miranda, N., López, S. R., Rao, J. Y., & Liang, P. (2021). *On the Opportunities and Risks of Foundation Models*. arXiv preprint arXiv:2108.07258.
- Brown, T. B., Mann, B., Ryder, N., Subbiah, M., Kaplan, J., Dhariwal, P., Neelakantan, A., Shyam, P., Sastry, G., Askell, A., *et al.* (2020). *Language Models are Few-Shot Learners*. *Advances in Neural Information Processing Systems*, 33, 1877–1901.
- Cichocki, A., Zdunek, R., Phan, A. H., & Amari, S. (2009). *Nonnegative Matrix and Tensor Factorizations: Applications to Exploratory Multi-way Data Analysis and Blind Source Separation*. John Wiley & Sons.
- Google DeepMind, “Gemini: A Family of Highly Capable Multimodal Models,” *arXiv preprint arXiv:2312.11805*, 2023.
- Devlin, J., Chang, M.-W., Lee, K., & Toutanova, K. (2019). *BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding*. *Proceedings of the 2019 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*, 4171–4186.
- Dhariwal, P. and Nichol, A. “Diffusion Models Beat GANs on Image Synthesis,” *Advances in Neural Information Processing Systems (NeurIPS)*, vol. 34, pp. 8780–8794, 2021.
- Dieng, A. B., Ruiz, F. J. R., dan Blei, D. M. (2019). *Topic modeling in embedding spaces*. *arXiv preprint arXiv:1907.04907*.

- Feldman, R., & Sanger, J. (2007). *The Text Mining Handbook: Advanced Approaches in Analyzing Unstructured Data*. Cambridge University Press.
- Gelman, A., Carlin, J. B., Stern, H. S., Dunson, D. B., Vehtari, A., & Rubin, D. B. (2013). *Bayesian Data Analysis (3rd ed.)*. Boca Raton, FL: CRC Press. ISBN: 978-1439840955.
- Goodfellow, I., Pouget-Abadie, J., Mirza, M., Xu, B., Warde-Farley, D., Ozair, S., Courville, A., & Bengio, Y. (2014). *Generative Adversarial Networks*. Advances in Neural Information Processing Systems, 27, 2672–2680.
- Griffiths, T. L., & Steyvers, M. (2004). *Finding Scientific Topics*. Proceedings of the National Academy of Sciences, 101(Suppl. 1), 5228–5235.
- Grootendorst, M. (2022). *BERTopic: Neural topic modeling with a class-based TF-IDF procedure*. 10.48550/arXiv.2203.05794.
- Harris, Z. S. (1954). *Distributional Structure*. Word, 10(2–3), 146–162.
- Ho, J., Jain, A., & Abbeel, P. (2020). *Denoising Diffusion Probabilistic Models*. Advances in Neural Information Processing Systems, 33, 6840–6851.
- Hofmann, T. (1999). *Probabilistic Latent Semantic Analysis*. Proceedings of the Fifteenth Conference on Uncertainty in Artificial Intelligence, 289–296.
- Hua, S., Jin, S., & Jiang, S. (2023). *The limitations and ethical considerations of ChatGPT*. Data Intelligence, 6, 1–38.
- Jelodar, H., Wang, Y., Yuan, C., & Feng, X. (2017). *Latent Dirichlet Allocation (LDA) and Topic Modeling: Models, Applications, a Survey*. Multimedia Tools and Applications, 78, 15169–15211.
- Johnson, R. A., & Wichern, D. W. (2007). *Applied Multivariate Statistical Analysis (6th ed.)*. New Jersey: Pearson Prentice Hall. ISBN: 978-0131877153.
- Jolliffe, I. T. (2002). *Principal Component Analysis (2nd ed.)*. New York: Springer.

- Jurafsky, D., & Martin, J. H. (2023). *Speech and Language Processing (3rd ed., draft)*. Prentice Hall.
- Kherwa, P., Bansal, P. (2020). *Topic modeling: A comprehensive review*. EAI Endorsed Transactions on Scalable Information Systems, 7(24).
- Kim, H., & Park, H. (2008). *Nonnegative Matrix Factorization Based on Alternating Nonnegativity Constrained Least Squares and Active Set Method*. SIAM Journal on Matrix Analysis and Applications, 30(2), 713–730.
- Kingma, D. P., & Welling, M. (2014). *Auto-Encoding Variational Bayes*. Proceedings of the International Conference on Learning Representations (ICLR).
- Koller, D., & Friedman, N. (2009). *Probabilistic Graphical Models: Principles and Techniques*. Cambridge, MA: MIT Press. ISBN: 978-0262013192.
- Kolmogorov, A. N. (1956). *Foundations of the Theory of Probability (2nd English ed.)*. New York: Chelsea Publishing Company. ISBN: 978-0828402225.
- Kozłowski, D., Pradier, C., and Benz, P. (2024). Generative AI for automatic topic labelling. arXiv preprint arXiv:2408.07003.
- Lecun, Y., Bengio, Y., & Hinton, G. (2015). *Deep Learning*. Nature, 521(7553), 436–444.
- Lee, D. D., & Seung, H. S. (1999). *Learning the Parts of Objects by Non-negative Matrix Factorization*. Nature, 401(6755), 788–791.
- Lee, D. D., & Seung, H. S. (2001). *Algorithms for Non-negative Matrix Factorization*. Advances in Neural Information Processing Systems, 13, 556–562.
- Manning, C. D., & Schütze, H. (1999). *Foundations of Statistical Natural Language Processing*. Cambridge, MA: MIT Press.
- Manning, C. D., Raghavan, P., & Schütze, H. (2008). *Introduction to Information Retrieval*. Cambridge University Press.

- Minarno, E. B., Suprpto, Y. K., & Rachmawati, L. (2020). *Text Mining: Konsep dan Implementasi dengan Python*. Yogyakarta: Deepublish.
- Mikolov, T., Chen, K., Corrado, G., & Dean, J. (2013). *Efficient Estimation of Word Representations in Vector Space*. arXiv preprint arXiv:1301.3781.
- Mitchell, T. M. (1997). *Machine Learning*. New York: McGraw–Hill.
- Montgomery, D. C., & Runger, G. C. (2014). *Applied Statistics and Probability for Engineers (6th ed.)*. New York: John Wiley & Sons. ISBN: 978-1118539712.
- Murphy, K. P. (2012). *Machine Learning: A Probabilistic Perspective*. Cambridge, MA: MIT Press. ISBN: 978-0262018029.
- Nirmala, D., & Pratama, B. (2020). *Natural Language Processing untuk Bahasa Indonesia: Teori dan Implementasi*. Yogyakarta: Andi Offset.
- Pennington, J., Socher, R., & Manning, C. D. (2014). *GloVe: Global Vectors for Word Representation*. Proceedings of EMNLP 2014, 1532–1543.
- Press, O., & Wolf, L. (2017). Using the output embedding to improve language models. *Proceedings of the 15th Conference of the European Chapter of the Association for Computational Linguistics (EACL)*.
- Puchalski, A., & Komorska, I. (2023). *Generative modeling of vibration signals in machine maintenance*. *Eksploatacja i Niezawodność – Maintenance and Reliability*, 25, Article 173488. <https://doi.org/10.17531/ein/173488>
- Radford, A., Narasimhan, K., Salimans, T., & Sutskever, I. (2018). *Improving Language Understanding by Generative Pre-Training*. OpenAI Technical Report.
- Reimers, N. dan Gurevych, I. (2019). Sentence-BERT: Sentence embeddings using Siamese BERT-networks. *arXiv preprint arXiv:1908.10084*.
- Rencher, A. C., & Schaalje, W. C. (2012). *Methods of Multivariate Analysis (3rd ed.)*. Hoboken, NJ: John Wiley & Sons. ISBN: 978-0470178966.

- Rezende, D. J., Mohamed, S., & Wierstra, D. (2014). *Stochastic Backpropagation and Approximate Inference in Deep Generative Models*. Proceedings of the 31st International Conference on Machine Learning, 1278–1286.
- Ross, S. M. (2014). *A First Course in Probability* (9th ed.). Pearson Education.
- Roweis, S. T., & Saul, L. K. (2000). *Nonlinear Dimensionality Reduction by Locally Linear Embedding*. *Science*, 290(5500), 2323–2326.
- Rumelhart, D. E., Hinton, G. E., & Williams, R. J. (1986). *Learning Representations by Back-propagating Errors*. *Nature*, 323(6088), 533–536.
- Salton, G., & Buckley, C. (1988). *Term-weighting approaches in automatic text retrieval*. *Information Processing & Management*, 24(5), 513–523.
- Sangraji, V. R., Bolla, B. K., Nayak, D., & Kh, J. (2022). *Topic modeling on Consumer Financial Protection Bureau Data: An Approach Using BERT Based Embeddings*. In *Proceedings of the 2022 IEEE 7th International Conference for Convergence in Technology (I2CT)* (pp. 1–6). IEEE.
- Shazeer, N., Mirhoseini, A., Maziarz, K., Davis, A., Le, Q., Hinton, G., & Dean, J. (2017). *Outrageously Large Neural Networks: The Sparsely-Gated Mixture-of-Experts Layer*. Proceedings of the International Conference on Learning Representations.
- Soejoeti, Z. A. (2014). *Teori Peluang dan Statistika*. Depok: Penerbit Universitas Indonesia. ISBN: 978-979-456-595-5.
- Srivastava, A., & Sutton, C. (2017). *Autoencoding Variational Inference for Topic Models*. Proceedings of the 5th International Conference on Learning Representations (ICLR).
- Steyvers, M., & Griffiths, T. (2007). *Probabilistic Topic Models*. In T. Landauer, D. McNamara, S. Dennis, & W. Kintsch (Eds.), *Handbook of Latent Semantic Analysis* (pp. 427–448). Lawrence Erlbaum Associates.

- Susanto, A., Kurniawan, R., dan Purwarianti, A. (2016). *Improving Indonesian Spell Checker Performance Using Hybrid Method*. Proceedings of the International Conference on Asian Language Processing (IALP), 53–56.
- Teh, Y. W., Jordan, M. I., Beal, M. J., & Blei, D. M. (2006). *Hierarchical Dirichlet Processes*. Journal of the American Statistical Association, 101(476), 1566–1581.
- Turney, P. D., & Pantel, P. (2010). *From Frequency to Meaning: Vector Space Models of Semantics*. Journal of Artificial Intelligence Research, 37, 141–188.
- Vaswani, A., Shazeer, N., Parmar, N., Uszkoreit, J., Jones, L., Gomez, A. N., Kaiser, Ł., & Polosukhin, I. (2017). *Attention Is All You Need*. Advances in Neural Information Processing Systems, 30.
- Walpole, R. E., Myers, R. H., Myers, S. L., & Ye, K. (2012). *Probability and Statistics for Engineers and Scientists (9th ed.)*. Boston: Pearson Education. ISBN: 978-0321629111.