

Readings: “Topic Modeling”

Required reading:

Maier, D., Waldherr, A., Miltner, P., Wiedemann, G., Niekler, A., Keinert, A., Pfetsch, B., Heyer, G., Reber, U., Häussler, T., Schmid-Petri, H., & Adam, S. (2018). Applying LDA Topic Modeling in Communication Research: Toward a Valid and Reliable Methodology. *Communication Methods and Measures*, 12(2–3), 93–118. <https://doi.org/10.1080/19312458.2018.1430754>

Additional sources:

Bernhard, J., Teuffenbach, J., & Boomgaarden, H. G. (2023). Topic Model Validation Methods and their Impact on Model Selection and Evaluation. *Computational Communication Research*, 5(1), 1. <https://doi.org/10.5117/CCR2023.1.13.BERN>

Chen, Y., Peng, Z., Kim, S.-H., & Choi, C. W. (2023). What We Can Do and Cannot Do with Topic Modeling: A Systematic Review. *Communication Methods and Measures*, 17(2), 111–130. <https://doi.org/10.1080/19312458.2023.2167965>

Churchill, R., & Singh, L. (2022). The Evolution of Topic Modeling. *ACM Computing Surveys*, 54(10s), 1–35. <https://doi.org/10.1145/3507900>

Eshima, S., Imai, K., & Sasaki, T. (2023). Keyword-Assisted Topic Models. *American Journal of Political Science*, ajps.12779. <https://doi.org/10.1111/ajps.12779>

Jacobi, C., van Attevelde, W., & Welbers, K. (2016). Quantitative analysis of large amounts of journalistic texts using topic modelling. *Digital Journalism*, 4(1), 89–106. <https://doi.org/10.1080/21670811.2015.1093271>

Quinn, K. M., Monroe, B. L., Colaresi, M., Crespin, M. H., & Radev, D. R. (2010). How to Analyze Political Attention with Minimal Assumptions and Costs. *American Journal of Political Science*, 54(1), 209–228. <https://doi.org/10.1111/j.1540-5907.2009.00427.x>

Roberts, M. E., Stewart, B. M., Tingley, D., Lucas, C., Leder-Luis, J., Gadarian, S. K., Albertson, B., & Rand, D. G. (2014). Structural Topic Models for Open-Ended Survey Responses. *American Journal of Political Science*, 58(4), 1064–1082. <https://doi.org/10.1111/ajps.12103>

Van Attevelde, W., Trilling, D., & Calderón, C. A. (2022). *Computational Analysis of Communication*. Chapter 11.5 on “Unsupervised Text Analysis: Topic Modeling”. Wiley Blackwell. [Link to online chapter 11.5](#)