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I Numbers and Categories

Hudson, P., & Ishizu, M. (2017), *History by numbers. An introduction to quantitative approaches* (Bloomsbury).

Additional suggested readings:

Lemercier, C., & Zalc, C. (2019), *Quantitative Methods in the Humanities: An Introduction*.

Graham, S., Milligan, I., Weingart, S. B., & Martin, K. (2022; 2nd edition). *Exploring big historical data: the historian's macroscope*.

Feinstein, C.H., & Thomas, M. (2002), *Making history count: A primer in quantitative methods for historians*.

II Texts**Topic models**

Blei, D. M. (2012). Probabilistic topic models. *Communications of the ACM* 55 (4): 77–84.

Schmidt, B. M. (2012). Words alone: Dismantling topic models in the humanities. *Journal of Digital Humanities*, 2(1).

Word embedding

Kozlowski, A. C., Taddy, M., & Evans, J. A. (2019). The geometry of culture: Analyzing the meanings of class through word embeddings. *American Sociological Review*, 84(5), 905–949.

General

Schmidt, B. M. (2016). Do digital humanists need to understand algorithms? In *Debates in the Digital Humanities* (Vol. 53), Matthew Gould and Lauren Klein (eds.).

Bollen, Johan, et al. "Historical language records reveal a surge of cognitive distortions in recent decades." *Proceedings of the National Academy of Sciences* 118.30 (2021): <https://www.pnas.org/doi/full/10.1073/pnas.2102061118> [Skim quickly for argument and to understand their source base]

Ben Schmidt on Twitter <https://twitter.com/benmschmidt/status/1419497587296571395> [How these methods can go wrong:]

III R Programming - Coding preparation

R tutorial (see tutorial instructions).

Additional suggested readings. These are not necessary prior to the workshop but are good reference materials for R and quantitative methods for further use.

Wickham, H. & Golemund, G. (2022), *R for Data Science*. Available freely here: <https://r4ds.had.co.nz>

Imai, K., & Webb Williams, N. (2022), *Quantitative Social Science: An introduction in tidyverse*.

Hermansen, Silje S.L. (2019) *Lær deg R: en innføring i statistikkprogrammets muligheter*. [en fin norskspråklig innføring i R og i kvantitative metoder med gode samfunnsvitenskapelige eksempler]