



DEPARTMENT OF APPLIED INFORMATION TECHNOLOGY

TIA125 Data and Society, 7.5 credits

Data och Samhälle, 7,5 högskolepoäng

Second Cycle

Reading list for TIA125, to be valid from autumn semester of 2023

Reading list was confirmed by Department of Applied Information Technology on 2023-09-05 to be valid from 2023-09-05.

See appendix.



TIA125 Data and Society, 7,5 credits

Second-Cycle / Avancerad nivå

Mandatory readings

Beaulieu, A., & Leonelli, S. (2021). *Data and society. A critical introduction*. Sage. Chapter 1, pp. 1-14, Chapter 3, pp. 35-50, Chapter 4, pp. 51-64, Chapter 7, pp. 117-134, Chapter 9, pp.163-183, The book is also available as a preprint at

https://ore.exeter.ac.uk/repository/bitstream/handle/10871/127993/Data%20and%20Society_Preprint.pdf?sequence=2, but page numbering differs from the print version.

Bowker, G.C., & Star, S.L. (2000). *Sorting things out: Classification and its consequences*. Cambridge, MA: MIT Press (Chapter 6 "The Case of Race Classification and Reclassification Under Apartheid, pp. 195-225). [Available online in the Course Reading Collection].

Brown, S. (2021). *Machine learning, explained*. MIT Management Sloan School. <https://mitsloan.mit.edu/ideas-made-to-matter/machine-learning-explained>

Brown, D., Soto-Corominas, A., Surez, J., & de la Rosa, J. (2016). Overview the social media data processing pipeline. In L. Sloan, & A. Quan-Haase: *The SAGE Handbook of social media research methods* (pp. 125-145). SAGE Publications Ltd, <https://dx.doi.org/10.4135/9781473983847.n9>

Cinnamon, J. (2019). Data inequalities and why they matter for development. *Information Technology for Development*. DOI: 10.1080/02681102.2019.1650244

D'Ignazio, C., & Klein, L.F. (2020). *Data feminism* (Chapter 3 "What gets counted counts). Cambridge, MA: MIT Press. [Available online in the Course Reading Collection].

Geiger, R.S., Yu, K., Yang, Y., and others (2020). *Garbage in, garbage out?: do machine learning papers in social computing report where human-labeled training data comes from?* FAT* '20: Proceedings of the 2020 Conference on Fairness, Accountability, and Transparency January 2020, pages 325–336. <https://doi.org/10.1145/3351095.3372862>

McKenna, Brad, Michael D. Myers, and Michael Newman. 'Social Media in Qualitative Research: Challenges and Recommendations'. *Information and Organization* 27, no. 2 (1 June 2017): 87–99. <https://doi.org/10.1016/j.infoandorg.2017.03.001> (focus on sections 4 and 5)

Taylor, L. (2017). What is data justice? The case for connecting digital rights and freedoms globally. *Big Data & Society*, 4(2). <https://doi.org/10.1177/2053951717736335>

Venturini, T., & Munk, A.C. (2022). *Controversy mapping: A field guide*. Cambridge, UK; Polity (Chapters 1 and 7). Available at the Göteborgs universitetsbibliotek Samhällsvetenskapliga biblioteket

Elective readings

Batrinca, B., Treleaven, P.C. Social media analytics: a survey of techniques, tools and platforms. *AI & Soc* 30, 89–116 (2015). <https://doi.org/10.1007/s00146-014-0549-4>

Masso, A., Tiidenberg, K., & Siibak, A. (eds) (2020), *How to Understand the Datafied World? A Methodological Guide* (27 pages). Tallinn: Tallinn University Press. Available at: <https://ssrn.com/abstract=4034321>

Polack, P. (2021) False positivism: Why “planetary computation” and “data-driven governance” will not solve the world’s problems. *Real Life*. Available at: https://reallifemag.com/falsepositivism/?utm_source=Digest&utm_campaign=6c4405e3f8-RSS_EMAIL_CAMPAIGN&utm_medium=email&utm_term=0_d90a01c7ff-6c4405e3f8-87850613

Redman, T.C. (2018). If your data is bad, your machine learning tools are useless. *Harvard Business Review*. <https://hbr.org/2018/04/if-your-data-is-bad-your-machinelearning-tools-are-useless>

Additional literature, to a lesser extent, may be added. If you have impaired reading, you can contact the University Library for access to adapted course literature. Adapted course literature includes, for example, talking books, e textbooks or Braille. You must personally certify that your ability to read is impaired. The Swedish Agency for Accessible Media records and produces adapted course literature. It takes time to produce adapted course literature, so it is therefore important to contact the University Library in good time before the start of your course.