



## 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 2022**

Reading list was confirmed by Department of Applied Information Technology on 2022-09-08 to be valid from 2022-11-02.

See appendix.



## DEPARTMENT OF APPLIED IT

### TIA125 Data and Society, 7.5 credits

Data och samhälle

Second Cycle/ Avancerad nivå

---

#### Literature

- Beaulieu, A., & Leonelli, S. (2021). *Data and society. A critical introduction*. Sage. Available as a preprint at [https://ore.exeter.ac.uk/repository/bitstream/handle/10871/127993/Data%20and%20Society\\_Preprint.pdf?sequence=2](https://ore.exeter.ac.uk/repository/bitstream/handle/10871/127993/Data%20and%20Society_Preprint.pdf?sequence=2) (selected chapters). [Available online in the Course Reading Collection].
- 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>
- Couldry, N., & Yu, J. (2018). Deconstructing datafication's brave new world. *New Media & Society*, 20(12), 4473–91. <https://doi.org/10.1177/1461444818775968>.
- Cui, W. (2019). Visual analytics: a comprehensive review. *IEEE Access*, 1-19. [Available online in the Course Reading Collection].
- 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].
- Dourish, P., & Gómez Cruz, E. (2018). Datafication and data fiction: narrating data and narrating with data. *Big Data & Society*, 5(2), 1-10. <https://doi.org/10.1177/2053951718784083>.
- Hasselbalch, G. (2022). *Data pollution & power – white paper for a global sustainable agenda on AI* (pp.18-35). The Sustainable AI Lab, Bonn University [Available online in the Course Reading Collection].
- Micheli, M., Ponti, M., Craglia, M. and Berti Suman, A. (2020). Emerging models of data governance in the age of datafication. *Big Data and Society*, 7(2), 1-15. <https://doi.org/10.1177/2053951720948087>
- 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-machine-learning-tools-are-useless>
- Venturini, T., & Munk, A.C. (2022). *Controversy mapping: A field guide*. Cambridge, UK; Polity (selected chapters). Available at the Göteborgs universitetsbibliotek Samhällsvetenskapliga biblioteket
- Winner, L. (1999). Do artifacts have politics? *Daedalus*, 109(1), 121-136 (Winter 1980). [Available online in the Course Reading Collection].

## Recommended literature

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>

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/false-positivism/?utm\\_source=Digest&utm\\_campaign=6c4405e3f8-RSS\\_EMAIL\\_CAMPAIGN&utm\\_medium=email&utm\\_term=0\\_d90a01c7ff-6c4405e3f8-87850613](https://reallifemag.com/false-positivism/?utm_source=Digest&utm_campaign=6c4405e3f8-RSS_EMAIL_CAMPAIGN&utm_medium=email&utm_term=0_d90a01c7ff-6c4405e3f8-87850613)

---

Additional literature, to a lesser extent, will be added. If you have impaired reading, please contact the study counsellor at the Department of Applied Information Technology ([studievagledning@ait.gu.se](mailto:studievagledning@ait.gu.se)), so that we can plan possible additions with due regard to this.

If you have impaired reading, you can also 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.