Responsibility

Readings concerning moral responsibility in data science as well as some of the challenges in assessing who is morally responsible for data models and predictions.

Title	Citation
Computing and Moral Responsibility	Noorman (<u>2023</u>)
Critical Questions for Big Data	Boyd & Crawford (2012)
Data, Responsibly	Abiteboul & Stoyanovich (2015)
Data Science as Political Action: Grounding Data Science in a Politics of Justice	Green (2020)
Thinking Responsibly about Responsible AI and 'the Dark Side' of AI	Mikalef, Conboy, Lundström, & Popovič (<u>2022</u>)
Locating Ethics in Data Science: Responsibility and Accountability in Global and Distributed Knowledge Production Systems	Leonelli (<u>2016</u>)
Deep Learning Meets Deep Democracy: Deliberative Governance and Responsible Innovation in Artificial Intelligence	Buhmann & Fieseler (2022)
Killer Robots	Sparrow (<u>2007</u>)
Amazon scraps secret AI recruiting tool that showed bias against women	Dastin (<u>2018</u>)
70,000 OkCupid Profiles Leaked, Intimate Details and All	Woollacott (2016)
Automated Anti-Blackness: Facial Recognition in Brooklyn, New York	Nkonde (<u>2020</u>)
Facial Recognition Technology: The need for Public Regulation and Corporate Responsibility	Smith (<u>2018</u>)
Cultivating Moral Attention: A Virtue- Oriented Approach to Responsible Data Science in Healthcare	Ratti & Graves (2021)

References

- Abiteboul, S., & Stoyanovich, J. (2015). *Data, Responsibly; ACM SIGMOD Blog*. http://wp.sigmod.org/?p=1900.
- Boyd, D., & Crawford, K. (2012). CRITICAL QUESTIONS FOR BIG DATA: Provocations for a cultural, technological, and scholarly phenomenon. *Information, Communication & Amp; Society*, 15(5), 662–679. https://doi.org/10.1080/1369118x.2012.678878
- Buhmann, A., & Fieseler, C. (2022). Deep learning meets deep democracy: Deliberative governance and responsible innovation in artificial intelligence. *Business Ethics Quarterly*, *33*(1), 146–179. https://doi.org/10.1017/beq.2021.42
- Dastin, J. (2018). Amazon scraps secret AI recruiting tool that showed bias against women. https://www.reuters.com/article/us-amazon-com-jobs-automation-insight-idUSKCN1MK08G; Reuters.
- Green, B. (2020). Data science as political action: Grounding data science in a politics of justice. SSRN Electronic Journal. https://doi.org/10.2139/ssrn.3658431
- Leonelli, S. (2016). Locating ethics in data science: Responsibility and accountability in global and distributed knowledge production systems. *Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences*, *374*(2083), 20160122. https://doi.org/10.1098/rsta.2016.0122
- Mikalef, P., Conboy, K., Lundström, J. E., & Popovič, A. (2022). Thinking responsibly about responsible AI and "the dark side" of AI. *European Journal of Information Systems*, 31(3), 257–268. https://doi.org/10.1080/0960085x.2022.2026621
- Nkonde, M. (2020). Automated anti-blackness facial recognition in brooklyn, new york. *Harvard Kennedy School Journal of African American Policy 2019-2020*, 30–36.
- Noorman, M. (2023). Computing and Moral Responsibility. In E. N. Zalta & U. Nodelman (Eds.), *The Stanford encyclopedia of philosophy* (Spring 2023). https://plato.stanford.edu/archives/spr2023/entries/computing-responsibility/; Metaphysics Research Lab, Stanford University.
- Ratti, E., & Graves, M. (2021). Cultivating moral attention: A virtue-oriented approach to responsible data science in healthcare. *Philosophy and Technology*, *34*(4), 1819–1846. https://doi.org/10.1007/s13347-021-00490-3
- Smith, B. (2018). Facial recognition technology: The need for public regulation and corporate responsibility. https://blogs.microsoft.com/on-the-issues/2018/07/13/facial-recognition-technology-the-need-for-public-regulation-and-corporate-responsibility/.
- Sparrow, R. (2007). Killer robots. *Journal of Applied Philosophy*, *24*(1), 62–77. https://doi.org/10.1111/j.1468-5930.2007.00346.x
- Woollacott, E. (2016). 70,000 OkCupid profiles leaked, intimate details and all. https://www.forbes.com/sites/emmawoollacott/2016/05/13/

 $\frac{intimate-data-of-70000-okcupid-users-released/?sh=2ac42f2f1e15;}{Forbes.}$