



Faculty of Arts and Social Sciences
Media and Communication Studies

Course Reading

Data, Power and Ethics

Valid from 01/16/2023

Course Code: MKGB92
Course Title: Data, Power and Ethics
Credits: 15
Degree Level: Undergraduate level

Books

Bigo, D., Isin, E., & Rupert, E. (eds.) (2019). *Data politics: Worlds, subjects, rights*. Abingdon: Routledge https://library.oapen.org/bitstream/handle/20.500.12657/24706/9781138053250_text.pdf (chapters 4, 9, and 12)

Ess, C. (2020). *Digital media ethics: Digital media and society series* (Third edition). Cambridge, MA: Polity

Fuchs, C. (2021). *Social media: A critical introduction* (3rd ed.). London: Sage (chapters 2, 4, and 6)

Morris, J. W., & Murray, S. (2018). *Appified: Culture in the age of apps*. Ann Arbor: University of Michigan Press <http://biblos.kau.se/record=b1692628~S2>

Stark, B., Stegmann, D., Magin, M., & Jürgens, P. (2020). *Are algorithms a threat to democracy? The rise of intermediaries: A challenge for public discourse*. Algorithm Watch <https://algorithmwatch.org/en/wp-content/uploads/2020/05/Governing-Platforms-communications-study-Stark-May-2020-AlgorithmWatch.pdf> (chapters 1-4, pp. 6-27)

Book Chapter

McNamara, D., Graham, T., Broad, E., & Ong C. (2019). Trade-offs in algorithmic risk assessment: An Australian domestic violence case study. In Daly, S. Devitt, & M. Mann (Editor). *Good data* (p. 96-116) Institute of Network Cultures https://networkcultures.org/wp-content/uploads/2019/01/Good_Data.pdf

Seaver, N. (2019). Knowing algorithms. In J. Vertesi & D. Ribes (Editor). *DigitalSTS: A field guide for science & technology studies* (p. 412-422) Princeton University Press <https://doi.org/10.1515/9780691190600-028>

Articles

Baack, S. (2018). Practically engaged. *Digital Journalism*, 6 (6), p. 673-692. <https://doi.org/10.1080/21670811.2017.1375382>

Barassi, V. (2016). Contested visions: Digital discourses as empty signifiers from the ?network? to ?big data?. *Communication and the Public*, 1 (4), p. 423-435. <https://doi.org/10.1177/2057047316680220>

- Bates, J., Lin, Y. W., & Goodale, P. (2016). Data journeys: Capturing the socio-material constitution of data objects and flows. *Big Data & Society*, 3 (2). <https://journals.sagepub.com/doi/full/10.1177/2053951716654502>
- boyd, danah & Crawford, Kate (2012). Critical Questions for Big Data. *Information, Communication & Society*, 15 (5), p. 662-679. <https://doi.org/10.1080/1369118X.2012.678878>
- Bruns, A., & Nuernbergk, C. (2019). Political journalists and their social media audiences: New power relations. *Media and Communication*, 7 (1), p. 198-212. <https://doi.org/10.17645/mac.v7i1.1759>
- Caplan, R., Donovan, J., Hanson, L., & Matthews, J. (2018). Algorithmic accountability: A primer. *Data & Society*. https://datasociety.net/wpcontent/uploads/2018/04/Data_Society_Algorithmic_Accountability_Primer_FINAL-4.pdf
- Couldry, N., & Mejias, U. A. (2019). Data colonialism: Rethinking big data's relation to the contemporary subject. *Television & New Media*, 20 (4), p. 336-349. <https://doi.org/10.1177/1527476418796632>
- Gillespie, T. (2010). The politics of platforms. *New Media & Society*, 12 (3), p. 347-364. <https://doi.org/10.1177/1461444809342738>
- Hargittai, E., & Marwick, A. (2016). : Explaining the privacy paradox with online apathy. *International Journal of Communication*, 10, p. 3737-3757. <https://ijoc.org/index.php/ijoc/article/view/4655/1738>
- Helberger, N. (2020). The political power of platforms: How current attempts to regulate misinformation amplify opinion power. *Digital Journalism*, 8 (6), p. 842-854. <https://doi.org/10.1080/21670811.2020.1773888>
- Herschel, R., & Miori, V. M. (2017). Ethics & big data. *Technology in Society*, 49, p. 31-36. <https://www.sciencedirect.com/science/article/pii/S0160791X16301373>
- Illiadis, A. & Russo, F. (2016). Critical data studies: An introduction. *Big Data & Society*, 3 (2). <https://doi.org/10.1177%2F2053951716674238>
- Kazansky, B. (2021). "It depends on your threat model": the anticipatory dimensions of resistance to data-driven surveillance. *Big Data & Society*, 8 (1). <https://doi.org/10.1177%2F2053951720985557>
- Mann, M. & Matzner, T. (2019). Challenging algorithmic profiling: The limits of data protection and anti-discrimination in responding to emergent discrimination. *Big Data & Society*, 6 (2). <https://doi.org/10.1177%2F2053951719895805>
- McDermott, Y. (2017). Conceptualising the right to data protection in an era of Big Data. *Big Data & Society*, 4 (1). <https://doi.org/10.1177%2F2053951716686994>
- Milan, S. (2017). Data activism as the new frontier of media activism: preprint of paper in G. Yang & V. Pickard (2017). (eds.), *Media activism in the digital age. SSRN Scholarly Paper ID 2882030*. <https://ssrn.com/abstract=2882030>
- Milan, S., & Treré, E. (2019). Big data from the South(s): Beyond data universalism. *Television & New Media*, 20 (4), p. 319-335. <https://doi.org/10.1177/1527476419837739>
- Plantin, J.-C., Lagoze, C., Edwards, P. N., & Sandvig, C. (2018). Infrastructure studies meet platform studies in the age of Google and Facebook. *New Media & Society*, 20 (1), p. 293-310. <https://doi.org/10.1177/1461444816661553>
- Ruths, D., & Pfeffer, J. (2014). Social media for large studies of behavior. *Science*, 346 (6213), p. 1063-1064. (copy provided by the author)
- Tsamados, A., Aggarwal, N., Cows, J., Morley, J., Roberts, H., Taddeo, M., & Floridi, L. (2020). The ethics of algorithms: Key problems and solutions. *SSRN Scholarly Paper ID 3662302*. <https://doi.org/10.2139/ssrn.3662302>
- Waldherr, A., Geise, S., Mahrt, M., Katzenbach, C., & Nuernbergk, C. Toward a stronger theoretical grounding of computational communication science: How macro frameworks shape our research agendas. *Computational Communication Research*, 3 (2), p. 1-28. <https://doi.org/10.5117/CCR2021.02.002.WALD>
- Zook, Matthew, et al. (2017). Ten simple rules for responsible big data research. *PLOS Computational Biology*, 13 (3). <https://dx.plos.org/10.1371/journal.pcbi.1005399>
- Zwitter, Andrej (2014). Big Data ethics. *Big Data & Society*, 1 (2).

<http://journals.sagepub.com/doi/10.1177/2053951714559253>

Web resources

Carey, Benedict (2019, January 30). This is your brain off Facebook. New York Times. www.nytimes.com/2019/01/30/health/facebook-psychology-health.html

Diakopoulos, N. & Friedler, S. (2016, November 17). How to Hold Algorithms Accountable. Technology Review. <https://www.technologyreview.com/s/602933/how-to-hold-algorithms-accountable/>

franzke, aline shakti, Bechmann, Anja, Zimmer, Michael, Ess, Charles, & the Association of Internet Researchers (2020). Internet research: Ethical guidelines 3.0. <https://aoir.org/reports/ethics3.pdf>

Lewis, Paul (2017, October 6). "Our minds can be hijacked": The tech insiders who fear a smartphone dystopia. The Guardian. www.theguardian.com/technology/2017/oct/05/smartphone-addiction-silicon-valley-dystopia

Reference material

Amoore, L. (2020). *Cloud ethics: Algorithms and attributes of ourselves and others* Duke University Press: Durham

Beer, D. (2019). *The data gaze*. London: Sage

Bucher, T. (2018). *If...then: Algorithmic power and politics*. Oxford: Oxford University Press

Dyer-Witheford, N., Kjøsen, A. M., & Steinhoff, J. (2019). *Inhuman power: Artificial intelligence and the future of capitalism*. London: Pluto

Eubanks, V. (2017). *Automating inequality. How high-tech tools profile, police, and punish the poor*(First Edition). New York: St. Martin's Press

Fuchs, C. (2019). *Rereading Marx in the age of digital capitalism*. London: Pluto

Kearns, M. & Roth, A. (2020). *The ethical algorithm: The science of socially aware algorithm design*. Oxford: Oxford University Press

Kitchin, R. & Lauriault, T. (2014). Towards critical data studies: Charting and unpacking data assemblages and their work. The Programmable City Working Paper 2; pre-print version of chapter published in J. Thatcher, J. Eckert, & A. Shears (eds.). (2018), *Thinking big data in geography* (pp. 3-20). Lincoln: University of Nebraska Press. SSRN Scholarly Paper ID 2474112. https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2474112

Kitching, R. (2021). *The data revolution: Big data, open data, data infrastructures and their consequences*. London: Sage (2nd edition)

Lupton, D. (2019). *Data selves: More-than-human perspectives*. Cambridge: Polity

Pasquale, F. (2020). *New laws of robotics: Defending human expertise in the age of AI*. Cambridge, MA: Belknap Press

Van Hoboken, J. (2019). The privacy disconnect. In R. F. Jørgensen (Editor). *Human rights in the age of platforms* (pp. 255-284) Cambridge, MA: The MIT Press <https://library.oapen.org/handle/20.500.12657/24492>

Additional course readings of 50-100 pages will be provided by the course convenor.

Approved by the Faculty Board of Arts and Social Sciences 02/10/2023