

# ANTH3001: Advanced Topics in Digital Culture

UG course in Advanced Digital Culture

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'» Abildegaard et al (2017) Five Recent Play Dates - EASST'. n.d.  
<https://easst.net/article/five-recent-play-dates/>.

'23andMe Is Terrifying, but Not for the Reasons the FDA Thinks - Scientific American'. n.d.  
<https://www.scientificamerican.com/article/23andme-is-terrifying-but-not-for-the-reasons-the-fda-thinks/>.

'Abramson, Allen. (2016) What in/Is the World in/of Big Data? Theorizing the Contemporary, Cultural Anthropology'. n.d.  
<https://culanth.org/fieldsights/833-what-in-is-the-world-is-of-big-data>.

Adams, Vincanne. 2016. Metrics. Duke University Press.  
<https://doi.org/10.1215/9780822374480>.

'After Kinship by Janet Carsten'. n.d.  
<https://www-cambridge-org.libproxy.ucl.ac.uk/core/books/after-kinship/BF660970EC79E6A4847E76A38CBE1DB9>.

Amoore, L. 2011. 'Data Derivatives: On the Emergence of a Security Risk Calculus for Our Times'. *Theory, Culture & Society* 28 (6): 24-43.  
<https://doi.org/10.1177/0263276411417430>.

Amoore, Louise. 2006. 'Biometric Borders: Governing Mobilities in the War on Terror'. *Political Geography* 25 (3): 336-51. <https://doi.org/10.1016/j.polgeo.2006.02.001>.

Anderson, Chris. n.d. 'The End of Theory: The Data Deluge Makes the Scientific Method Obsolete'. *Wired*. <http://www.wired.com/2008/06/pb-theory/>.

Anderson, Ken, Dawn Nafus, Tye Rattenbury, and Ryan Aipperspach. 2009. 'Numbers Have Qualities Too: Experiences with Ethno-Mining'. *Ethnographic Praxis in Industry Conference Proceedings 2009* (1): 123-40. <https://doi.org/10.1111/j.1559-8918.2009.tb00133.x>.

Anna Tsing. 2000. 'The Global Situation'. *Cultural Anthropology* 15 (3): 327-60.  
[http://www.jstor.org/stable/656606?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/656606?seq=1#page_scan_tab_contents).

Annelise Riles. 1998. 'Infinity within the Brackets'. *American Ethnologist* 25 (3): 378-98.  
[http://www.jstor.org.libproxy.ucl.ac.uk/stable/645790?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org.libproxy.ucl.ac.uk/stable/645790?seq=1#page_scan_tab_contents).

Antonia Walford. 2012. 'Data Moves: Taking Amazonian Climate Science Seriously'. *The Cambridge Journal of Anthropology* 30 (2): 101-17.  
[http://www.jstor.org/stable/43610877?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/43610877?seq=1#page_scan_tab_contents).

- Arturo Escobar. 1999. 'After Nature Steps to an Antiessentialist Political Ecology'. *Current Anthropology* 40 (1): 1–30.  
[http://www.jstor.org/stable/10.1086/515799?sid=primo&origin=crossref&seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/10.1086/515799?sid=primo&origin=crossref&seq=1#page_scan_tab_contents).
- Asdal, Kristin. 2008. 'Enacting Things through Numbers: Taking Nature into Account/Ing'. *Geoforum* 39 (1): 123–32. <https://doi.org/10.1016/j.geoforum.2006.11.004>.
- Beaulieu, Anne. 2004. 'From Brainbank to Database: The Informational Turn in the Study of the Brain'. *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences* 35 (2): 367–90.  
<https://doi.org/10.1016/j.shpsc.2004.03.011>.
- Beer, D., and R. Burrows. 2013. 'Popular Culture, Digital Archives and the New Social Life of Data'. *Theory, Culture & Society* 30 (4): 47–71.  
<https://doi.org/10.1177/0263276413476542>.
- Beer, David. 2015. 'Productive Measures: Culture and Measurement in the Context of Everyday Neoliberalism'. *Big Data & Society* 2 (1).  
<https://doi.org/10.1177/2053951715578951>.
- . 2016. 'How Should We Do the History of Big Data?' *Big Data & Society* 3 (1).  
<https://doi.org/10.1177/2053951716646135>.
- Biagioli, M. 2013. 'Rights or Rewards? Changing Frameworks of Scientific Authorship'. In *Scientific Authorship: Credit and Intellectual Property in Science*, 253–81. New York: Routledge. <http://www.tandfebooks.com/ISBN/9780203954270>.
- Birchall, Clare. 2016. 'Shareveillance: Subjectivity between Open and Closed Data'. *Big Data & Society* 3 (2). <https://doi.org/10.1177/2053951716663965>.
- Blok, A., and M. A. Pedersen. 2014. 'Complementary Social Science? Quali-Quantitative Experiments in a Big Data World'. *Big Data & Society* 1 (2).  
<https://doi.org/10.1177/2053951714543908>.
- Boellstorff, T. 2012. 'Rethinking Digital Anthropology'. In *Digital Anthropology*. London: Berg.  
<https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://shib-idp.ucl.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780857852922>.
- Boellstorff, Tom. 2013. 'Making Big Data, in Theory'. *First Monday* 18 (10).  
<https://doi.org/10.5210/fm.v18i10.4869>.
- Boellstorff, Tom, and Bill Maurer, eds. 2015a. 'Boellstorff, T. (2015) Making Big Data',. In *Data, Now Bigger and Better! Vol. Paradigm*. Chicago: Prickly Paradigm Press.
- , eds. 2015b. 'Seaver, N. (2015) Bastard Algebra'. In *Data, Now Bigger and Better! Vol. Paradigm*. Chicago: Prickly Paradigm Press.
- Bowker, G. 2005. 'Databasing the World: Biodiversity and the 2000s'. In *Memory Practices in the Sciences, Inside technology*:107–36. Cambridge, Mass: MIT Press.

<https://contentstore.cla.co.uk/secure/link?id=bb97c1ed-7efb-e711-80cd-005056af4099>.

Bowker, Geoffrey C. 2014. 'The Theory/Data Thing'. *International Journal of Communication* 8. <http://ijoc.org/index.php/ijoc/article/view/2190>.

Bowker, Geoffrey C., and Susan Leigh Star. 1999. *Sorting Things out: Classification and Its Consequences*. Vol. Inside technology. Cambridge, Mass: MIT Press. <http://cognet.mit.edu/book/sorting-things-out>.

boyd, Danah, and Kate Crawford. 2012. 'Critical Questions for Big Data'. *Information, Communication & Society* 15 (5): 662–79. <https://doi.org/10.1080/1369118X.2012.678878>.

Breiger, R. L. 2015. 'Scaling Down'. *Big Data & Society* 2 (2). <https://doi.org/10.1177/2053951715602497>.

Browne, Simone. 2015. *Dark Matters*. Duke University Press. <https://doi.org/10.1215/9780822375302>.

Büscher, Bram. 2016. 'Nature 2.0: Exploring and Theorizing the Links between New Media and Nature Conservation'. *New Media & Society* 18 (5): 726–43. <https://doi.org/10.1177/1461444814545841>.

Candea, Matei. 2007. 'Arbitrary Locations: In Defence of the Bounded Field-Site'. *Journal of the Royal Anthropological Institute* 13 (1): 167–84. <https://doi.org/10.1111/j.1467-9655.2007.00419.x>.

Chua, L., and A. Salmond. 2012. 'Artefacts in Anthropology'. In *SAGE Handbook of Social Anthropology*, 101–15. SAGE. <https://contentstore.cla.co.uk/secure/link?id=8fd0b472-7efb-e711-80cd-005056af4099>.

Chun, Wendy Hui Kyong. 2008. 'The Enduring Ephemeral, or the Future Is a Memory'. *Critical Inquiry* 35 (1): 148–71. <https://doi.org/10.1086/595632>.

Coopmans, Catelijne. 2014. 'Visual Analytics as Artful Revelation'. In *Representation in Scientific Practice Revisited*, edited by Catelijne Coopmans. Vol. Inside technology. Cambridge, Massachusetts: The MIT Press. [http://www.jstor.org/stable/j.ctt9qf5hv.6?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/j.ctt9qf5hv.6?seq=1#page_scan_tab_contents).

Couldry, N., and A. Powell. 2014. 'Big Data from the Bottom Up'. *Big Data & Society* 1 (2). <https://doi.org/10.1177/2053951714539277>.

D. Haggerty, Richard V. Ericson, Kevin. 2000. 'The Surveillant Assemblage'. *British Journal of Sociology* 51 (4): 605–22. <https://doi.org/10.1080/00071310020015280>.

D. Miller. 2001. 'Alienable Gifts and Inalienable Commodities'. In *The Empire of Things: Regimes of Value and Material Culture*. Vol. School of American Research advanced seminar series. Santa Fe, N.M.: School of American Research Press.

Dalsgaard, Steffen. 2013. 'The Commensurability of Carbon'. *HAU: Journal of Ethnographic Theory* 3 (1): 80–98. <https://doi.org/10.14318/hau3.1.006>.

Dalsgaard, Steffen, and Morten Nielsen. 2013. 'Introduction: Time and the Field'. *Social Analysis* 57 (1): 1–19. <https://doi.org/10.3167/sa.2013.570101>.

Dawn Nafus. 2014. 'Big Data, Big Questions - This One Does Not Go Up To 11: The Quantified Self Movement as an Alternative Big Data Practice'. *International Journal of Communication* 8. <http://ijoc.org/index.php/ijoc/article/view/2170>.

Doe, George. 2014. 'With Genetic Testing, I Gave My Parents the Gift of Divorce - Vox'. *Vox Genetics*. 9 September 2014. <http://www.vox.com/2014/9/9/5975653/with-genetic-testing-i-gave-my-parents-the-gift-of-divorce-23andme>.

'Dourish, P. (2014) No SQL: The Shifting Materialities of Databases. *Computational Culture: A Journal of Software Studies*. Issue 4.' n.d. <http://computationalculture.net/article/no-sql-the-shifting-materialities-of-database-technology>.

Elizabeth A. Povinelli. 2011. 'The Woman on the Other Side of the Wall: Archiving the Otherwise in Postcolonial Digital Archives'. *Differences: A Journal Of Feminist Cultural Studies* 22 (1): 146–71. <https://doi.org/10.1215/10407391-1218274>.

Emily Martin. 1992. 'The End of the Body?' *American Ethnologist* 19 (1): 121–40. [http://www.jstor.org/stable/644828?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/644828?seq=1#page_scan_tab_contents).

Evelyn Ruppert. 2011. 'Population Objects: Interpassive Subjects'. *Sociology* 45 (2): 218–33. [http://www.jstor.org/stable/42857535?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/42857535?seq=1#page_scan_tab_contents).

Fairhead, James, Melissa Leach, and Ian Scoones. 2012. 'Green Grabbing: A New Appropriation of Nature?' *Journal of Peasant Studies* 39 (2): 237–61. <https://doi.org/10.1080/03066150.2012.671770>.

Faubion, James D., and George E. Marcus. 2009. *Fieldwork Is Not What It Used to Be: Learning Anthropology's Method in a Time of Transition*. Ithaca: Cornell University Press.

Ford, H. 2014. 'Big Data and Small: Collaborations between Ethnographers and Data Scientists'. *Big Data & Society* 1 (2). <https://doi.org/10.1177/2053951714544337>.

Fortun, Kim, Lindsay Poirier, Alli Morgan, Brandon Costelloe-Kuehn, and Mike Fortun. 2016. 'Pushback: Critical Data Designers and Pollution Politics'. *Big Data & Society* 3 (2). <https://doi.org/10.1177/2053951716668903>.

Franklin, S. 2001. 'Biologization Re-Visited: Kinship Theory'. In *Relative Values: Reconfiguring Kinship Studies*, 302–25. Durham [N.C.]: Duke University Press. [https://ucl.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma9931045211204761&context=L&vid=44UCL\\_INST:UCL\\_VU2&lang=en&search\\_scope=MyInst\\_and\\_CI&adaptor=Local%20Search%20Engine&isFrbr=true&tab=Everything&query=any,contains,Relative%20values:%20reconfiguring%20kinship%20studies&sortby=date\\_d&facet=frbrgroupid,include,61215140135456524&offset=0](https://ucl.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma9931045211204761&context=L&vid=44UCL_INST:UCL_VU2&lang=en&search_scope=MyInst_and_CI&adaptor=Local%20Search%20Engine&isFrbr=true&tab=Everything&query=any,contains,Relative%20values:%20reconfiguring%20kinship%20studies&sortby=date_d&facet=frbrgroupid,include,61215140135456524&offset=0).

———. 2003. 'Re-Thinking Nature-Culture: Anthropology and the New Genetics'. *Anthropological Theory* 3 (1): 65–85. <https://doi.org/10.1177/1463499603003001752>.

- Fujimara, J. 1999. 'The Practice of Producing Meaning in Bioinformatics'. In *The Practices of Human Genetics, Sociology of the sciences*:49–87. Dordrecht: Kluwer Academic.
- Fuller, M, and A Goffey. 2012a. 'Leak Early, Leak Often'. In *Evil Media*, 100–104. Cambridge, Massachusetts: The MIT Press.  
[https://ucl.primo.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=15040989580004761&institutionId=4761&customerId=4760&VE=true](https://ucl.primo.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=15040989580004761&institutionId=4761&customerId=4760&VE=true).
- Fuller, M., and A. Goffey. 2012b. 'Digital Infrastructures and the Machinery of Topological Abstraction'. *Theory, Culture & Society* 29 (4-5): 311–33.  
<https://doi.org/10.1177/0263276412450466>.
- Gabrys, Jennifer. 2016. *Program Earth: Environmental Sensing Technology and the Making of a Computational Planet*. Vol. *Electronic mediations*. Minneapolis: University of Minnesota Press. <http://www.jstor.org/stable/10.5749/j.ctt1b7x5gq>.
- . 2017. 'Powering the Digital: From Energy Ecologies to Electronic Environmentalism'. In *Media and the Ecological Crisis*, edited by Richard Maxwell, Jon Raundalen, and Nina Lager Vestberg, 3–18. London: Routledge.
- Gabrys, Jennifer, Helen Pritchard, and Benjamin Barratt. 2016. 'Just Good Enough Data: Figuring Data Citizenships through Air Pollution Sensing and Data Stories'. *Big Data & Society* 3 (2). <https://doi.org/10.1177/2053951716679677>.
- Garnett, Emma. 2016. 'Developing a Feeling for Error: Practices of Monitoring and Modelling Air Pollution Data'. *Big Data & Society* 3 (2). <https://doi.org/10.1177/2053951716658061>.
- Geismar, Haidy, and William Mohns. 2011. 'Social Relationships and Digital Relationships: Rethinking the Database at the Vanuatu Cultural Centre'. *Journal of the Royal Anthropological Institute* 17 (May): S133–55.  
<https://doi.org/10.1111/j.1467-9655.2011.01693.x>.
- George E. Marcus and Marcelo Pizarro. 2008. 'The End(s) of Ethnography: Social/Cultural Anthropology's Signature Form of Producing Knowledge in Transition'. *Cultural Anthropology* 23 (1): 1–14.  
[http://www.jstor.org/stable/20484493?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/20484493?seq=1#page_scan_tab_contents).
- Gerlitz, Carolin, and Celia Lury. 2014. 'Social Media and Self-Evaluating Assemblages: On Numbers, Orderings and Values'. *Distinktion: Scandinavian Journal of Social Theory* 15 (2): 174–88. <https://doi.org/10.1080/1600910X.2014.920267>.
- Gilles Deleuze. 1992. 'Postscript on the Societies of Control'. *October* 59: 3–7.  
[http://www.jstor.org.libproxy.ucl.ac.uk/stable/778828?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org.libproxy.ucl.ac.uk/stable/778828?seq=1#page_scan_tab_contents).
- Gitelman, Lisa. 2013. 'Raw Data' Is an Oxymoron. Vol. *Infrastructures series*. Cambridge, Mass: MIT Press. <http://ieeexplore.ieee.org/xpl/bkabstractplus.jsp?bkn=6451327>.
- Grebowicz, Margret. 2014. 'Glacial Time and Lonely Crowds: The Social Effects of Climate Change as Internet Spectacle'. *Environmental Humanities* 5: 1–11.  
<https://doi.org/10.1215/22011919-3615388>.

- 'Greenfield, D. (2016) Deep Data: Notes on the n of 1. In "Quantified: Biosensing Technologies in Everyday Life" Ed. Dawn Nafus. MIT Press'. n.d.  
<http://ieeexplore.ieee.org.libproxy.ucl.ac.uk/xpl/ebooks/bookPdfWithBanner.jsp?fileName=7580296.pdf&bkn=7580015&pdfType=chapter>.
- Gregg, M. 2015. 'The Gift That Is Not Given'. In *Data, Now Bigger and Better!*, edited by Tom Boellstorff and Bill Maurer. Vol. Paradigm. Chicago: Prickly Paradigm Press.
- Gross, Ana. 2011. 'The Economy of Social Data: Exploring Research Ethics as Device'. *The Sociological Review* 59 (December): 113–29.  
<https://doi.org/10.1111/j.1467-954X.2012.02055.x>.
- Hacking, I. 1990. 'The Argument'. In *The Taming of Chance, Ideas in Context*:1–10. Cambridge: Cambridge University Press. <http://dx.doi.org/10.1017/CBO9780511819766>.
- Halpern, Orit. 2014a. *Beautiful Data: A History of Vision and Reason since 1945*. Vol. Experimental futures. Durham, N.C.: Duke University Press.
- . 2014b. 'Cybernetic Rationality'. *Distinktion: Scandinavian Journal of Social Theory* 15 (2): 223–38. <https://doi.org/10.1080/1600910X.2014.923320>.
- . 2015. *Beautiful Data*. Duke University Press.  
<https://doi.org/10.1215/9780822376323-010>.
- Haraway, D. 1997. 'Chapter 4: Gene'. In *Modest@Witness@Second@Millennium.FemaleMan@Meets@OncoMouse: Feminism and Technoscience*. New York: Routledge.
- Harvey, P. 2012. 'The Topological Quality of Infrastructural Relation: An Ethnographic Approach'. *Theory, Culture & Society* 29 (4–5): 76–92.  
<https://doi.org/10.1177/0263276412448827>.
- Hayles, N. Katherine. 1999. *How We Became Posthuman: Virtual Bodies in Cybernetics, Literature, and Informatics*. Chicago: University of Chicago P.
- Helmreich, S. 2002. 'Kinship in Hypertext'. In *Relative Values: Reconfiguring Kinship Studies*, 116–43. Durham, N.C.: Duke University Press.  
<http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780822383222>.
- Helmreich, Stefan. 2007. 'Blue-Green Capital, Biotechnological Circulation and an Oceanic Imaginary: A Critique of Biopolitical Economy'. *BioSocieties* 2 (3): 287–302.  
<https://doi.org/10.1017/S1745855207005753>.
- Hilgartner, Stephen. 2012. 'Selective Flows of Knowledge in Technoscientific Interaction: Information Control in Genome Research'. *The British Journal for the History of Science* 45 (02): 267–80. <https://doi.org/10.1017/S0007087412000106>.
- 'Hippocratic Hacking | Platypus'. n.d. <http://blog.castac.org/2016/10/hippocratic-hacking/>.
- Hirsch, Eric, and Marilyn Strathern. 2004. *Transactions and Creations: Property Debates and the Stimulus of Melanesia*. New York: Berghahn Books.  
<https://www.jstor.org/stable/j.ctv287skdk>.

- Hogan, M el. 2015. 'Data Flows and Water Woes: The Utah Data Center'. *Big Data & Society* 2 (2). <https://doi.org/10.1177/2053951715592429>.
- Hui, Yuk. 2012. 'What Is a Digital Object?' *Metaphilosophy* 43 (4): 380–95. <https://doi.org/10.1111/j.1467-9973.2012.01761.x>.
- Igoe, J. 2010. 'The Spectacle of Nature in the Global Economy of Appearances: Anthropological Engagements with the Spectacular Mediations of Transnational Conservation'. *Critique of Anthropology* 30 (4): 375–97. <https://doi.org/10.1177/0308275X10372468>.
- Isin, Engin, and Evelyn Ruppert. 2017. 'Digital Citizenship and Surveillance| Citizen Snowden'. *International Journal of Communication* 11. <http://ijoc.org/index.php/ijoc/article/view/5642>.
- J. Holt, and Patrick Vondereau. 2014. 'Where the Internet Lives: Data Centers as Cloud Infrastructure'. In *Traffic Signal Timing Manual*. [Washington, D.C.]: U.S. Department of Transportation. [http://app.knovel.com/hotlink/toc/id:kpTSTMPNF2/traffic\\_signal\\_timing\\_manual\\_publication\\_no\\_fhwahop08024](http://app.knovel.com/hotlink/toc/id:kpTSTMPNF2/traffic_signal_timing_manual_publication_no_fhwahop08024).
- Jackson Jr., John L. n.d. 'Ethnography Is, Ethnography Ain't'. *Cultural Anthropology* 27 (3): 480–97. <https://doi.org/10.1111/j.1548-1360.2012.01155.x>.
- Janet Carsten. n.d. 'Ch. 4: The Person'. In *After Kinship* by Janet Carsten, 83–108. Cambridge University Press. <https://www-cambridge-org.libproxy.ucl.ac.uk/core/books/after-kinship/BF660970EC79E6A4847E76A38CBE1DB9>.
- Jensen, Casper Bruun, and Atsuro Morita. 2015. 'Infrastructures as Ontological Experiments'. *Engaging Science, Technology, and Society* 1 (November): 81–87. <http://estsjournal.org/article/view/21>.
- John, Nicholas A. 2013. 'Sharing and Web 2.0: The Emergence of a Keyword'. *New Media & Society* 15 (2): 167–82. <https://doi.org/10.1177/1461444812450684>.
- Kaufmann, M. 2015. 'Resilience 2.0: Social Media Use and (Self-)Care during the 2011 Norway Attacks'. *Media, Culture & Society* 37 (7): 972–87. <https://doi.org/10.1177/0163443715584101>.
- Kelty, Christopher, Gabriella Coleman, and Karen Strassler. 2012. 'Commentary and Discussion on the Digital Form Curated Collection'. *Curated Collections, Cultural Anthropology Online*. 13 December 2012. [http://www.culanth.org/curated\\_collections/8-the-digital-form/discussions/15-commentary-and-discussion-on-the-digital-form-curated-collection](http://www.culanth.org/curated_collections/8-the-digital-form/discussions/15-commentary-and-discussion-on-the-digital-form-curated-collection).
- Kelty, Christopher M. 2012. 'This Is Not an Article: Model Organism Newsletters and the Question of "Open Science"'. *BioSocieties* 7 (2): 140–68. <https://doi.org/10.1057/biosoc.2012.8>.
- Kim Fortun. 2004. 'From Bhopal to the Informating of Environmentalism: Risk Communication in Historical Perspective'. *Osiris* 19: 283–96.

[http://www.jstor.org.libproxy.ucl.ac.uk/stable/3655245?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org.libproxy.ucl.ac.uk/stable/3655245?seq=1#page_scan_tab_contents).

Kirstie Ball ; Kevin D. Haggend David Lyon. n.d. 'Bruno, Fernanda. (2012) Surveillance and Participation on Web 2.0.' In Routledge Handbook of Surveillance Studies.  
<https://doi.org/10.4324/9780203814949>.

Kitchin, R. 2014. 'Big Data, New Epistemologies and Paradigm Shifts'. *Big Data & Society* 1 (1). <https://doi.org/10.1177/2053951714528481>.

Kitchin, Rob. 2014. *The Data Revolution: Big Data, Open Data, Data Infrastructures and Their Consequences*. Los Angeles: SAGE.  
<http://srmo.sagepub.com/view/the-data-revolution/SAGE.xml>.

Knox, H. 2015. 'Carbon, Convertibility, and the Technopolitics of Oil'. In *Subterranean Estates: Life Worlds of Oil and Gas*, edited by Hannah Appel, Arthur Mason, and Michael Watts. Ithaca: Cornell University Press.  
[https://ucl.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma9931090819204761&context=L&vid=44UCL\\_INST:UCL\\_VU2&lang=en&search\\_scope=MyInst\\_and\\_CI&adaptor=Local%20Search%20Engine&isFrbr=true&tab=Everything&query=any,contains,990022437450204761&sortby=date\\_d&facet=frbrgroupid,include,9022657445453213247&offset=0](https://ucl.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma9931090819204761&context=L&vid=44UCL_INST:UCL_VU2&lang=en&search_scope=MyInst_and_CI&adaptor=Local%20Search%20Engine&isFrbr=true&tab=Everything&query=any,contains,990022437450204761&sortby=date_d&facet=frbrgroupid,include,9022657445453213247&offset=0).

Laidlaw, James. 2000. 'A Free Gift Makes No Friends'. *Journal of the Royal Anthropological Institute* 6 (4): 617–34. <https://doi.org/10.1111/1467-9655.00036>.

Lake, Robert W. 2017. 'Big Data, Urban Governance, and the Ontological Politics of Hyperindividualism'. *Big Data & Society* 4 (1). <https://doi.org/10.1177/2053951716682537>.

Lash, S. 2007. 'Power after Hegemony: Cultural Studies in Mutation?' *Theory, Culture & Society* 24 (3): 55–78. <https://doi.org/10.1177/0263276407075956>.

Latour, Bruno. 1999. 'Bruno Latour Pandora's Hope Ch 2: Circulating Reference'. In *Pandora's Hope: Essays on the Reality of Science Studies*, 24–79. Cambridge, Mass: Harvard University Press.  
<https://contentstore.cla.co.uk/secure/link?id=a214d3b6-7cf1-e711-80cd-005056af4099>.

Latour, Bruno, Pablo Jensen, Tommaso Venturini, Sébastien Grauwin, and Dominique Boullier. 2012. "'The Whole Is Always Smaller than Its Parts" - a Digital Test of Gabriel Tarde's Monads'. *The British Journal of Sociology* 63 (4): 590–615.  
<https://doi.org/10.1111/j.1468-4446.2012.01428.x>.

Leach, James. 2011. 'The Self of the Scientist, Material for the Artist: Emergent Distinctions in an Interdisciplinary Collaboration'. *Social Analysis* 55 (3).  
<https://doi.org/10.3167/sa.2011.550308>.

Lehning, M., N. Dawes, and M. Bavay et. al. n.d. 'Instrumenting the Earth: Next-Generation Sensor Networks and Environmental Science'. In *The Fourth Paradigm: Data-Intensive Scientific Discovery*, 45–51. Redmond, Wash: Microsoft Research.

Leonelli, S. 2013. 'Why the Current Insistence on Open Access to Scientific Data? Big Data, Knowledge Production, and the Political Economy of Contemporary Biology'. *Bulletin of*



Science, Technology & Society 33 (1-2): 6-11. <https://doi.org/10.1177/0270467613496768>.

Lezaun, J., and C. M. Montgomery. 2015. 'The Pharmaceutical Commons: Sharing and Exclusion in Global Health Drug Development'. *Science, Technology & Human Values* 40 (1): 3-29. <https://doi.org/10.1177/0162243914542349>.

Lippert, Ingmar. 2015. 'Environment as Datascape: Enacting Emission Realities in Corporate Carbon Accounting'. *Geoforum* 66 (November): 126-35. <https://doi.org/10.1016/j.geoforum.2014.09.009>.

'Lupton, D. 2016 You Are Your Data: Self-Tracking Practices and Concepts of Data.' n.d.

Lupton, Deborah. 2013. 'Quantifying the Body: Monitoring and Measuring Health in the Age of mHealth Technologies'. *Critical Public Health* 23 (4): 393-403. <https://doi.org/10.1080/09581596.2013.794931>.

———. 2014. 'The Commodification of Patient Opinion: The Digital Patient Experience Economy in the Age of Big Data'. *Sociology of Health & Illness* 36 (6): 856-69. <https://doi.org/10.1111/1467-9566.12109>.

———. n.d. 'Self-Tracking Modes: Reflexive Self-Monitoring and Data Practices'. *Social Life of Big Data Symposium 2nd June 2015*. School of Communications and Arts, Edith Cowan University, Perth Western Australia. [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2483549](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2483549).

LYON, DAVID. 2008. 'BIOMETRICS, IDENTIFICATION AND SURVEILLANCE'. *Bioethics* 22 (9): 499-508. <https://doi.org/10.1111/j.1467-8519.2008.00697.x>.

Lyon, David. 2008. 'Biometrics, Identification and Surveillance'. *Bioethics* 22 (9): 499-508. <https://doi.org/10.1111/j.1467-8519.2008.00697.x>.

———. 2010. 'Liquid Surveillance: The Contribution of Zygmunt Bauman to Surveillance Studies<sup>1</sup>'. *International Political Sociology* 4 (4): 325-38. <https://doi.org/10.1111/j.1749-5687.2010.00109.x>.

———. 2014. 'Surveillance, Snowden, and Big Data: Capacities, Consequences, Critique'. *Big Data & Society* 1 (2). <https://doi.org/10.1177/2053951714541861>.

M. Fortun. 2015. 'What Toll Pursuit: Affective Assemblages in Genomics and Postgenomics'. In *Postgenomics*, edited by Sarah S. Richardson and Hallam Stevens. Duke University Press. <https://doi.org/10.1215/9780822375449>.

Mackenzie, Adrian. 2003. 'These Things Called Systems'. *Social Studies of Science* 33 (3): 365-87. <https://doi.org/10.1177/03063127030333003>.

———. 2014. 'Multiplying Numbers Differently: An Epidemiology of Contagious Convolution'. *Distinktion: Scandinavian Journal of Social Theory* 15 (2): 189-207. <https://doi.org/10.1080/1600910X.2014.922110>.

Manovich, L. 1999. 'Database as Symbolic Form'. *Convergence: The International Journal of Research into New Media Technologies* 5 (2): 80-99.

<https://doi.org/10.1177/135485659900500206>.

Marcus, G. 2010. 'Holism and the Expectations of Critique in Post-1980s Anthropology; Notes and Queries, and an Epilogue'. In *Experiments in Holism: Theory and Practice in Contemporary Anthropology*, 28–46. Chichester, West Sussex: Wiley-Blackwell.  
<http://dx.doi.org/10.1002/9781444324426>.

Marcus, George E. 1995. 'Ethnography in/of the World System: The Emergence of Multi-Sited Ethnography'. *Annual Review of Anthropology* 24 (1): 95–117.  
<https://doi.org/10.1146/annurev.an.24.100195.000523>.

MARCUS, GEORGE E. 2012. 'THE LEGACIES OF WRITING CULTURE AND THE NEAR FUTURE OF THE ETHNOGRAPHIC FORM: A Sketch'. *Cultural Anthropology* 27 (3): 427–45.  
<https://doi.org/10.1111/j.1548-1360.2012.01152.x>.

Marr, Bernard. 21AD. 'The Difference Between Big Data and a Lot of Data'. *Data Informed*. 21AD. <http://data-informed.com/>.

Marres, Noortje, and Esther Weltevrede. 2013. 'Scraping the Social?' *Journal of Cultural Economy* 6 (3): 313–35. <https://doi.org/10.1080/17530350.2013.772070>.

Maurer, W.M. 2015. 'Principles of Alliance and Descent for Big Data'. In , 67–86. Prickly Paradigm Press/University of Chicago. <http://escholarship.org/uc/item/41r1s161>.

M'charek, Amade, Katharina Schramm, and David Skinner. 2014. 'Topologies of Race'. *Science, Technology, & Human Values* 39 (4): 468–87.  
<https://doi.org/10.1177/0162243913509493>.

Mike Savage and Roger Burrows. 2007. 'The Coming Crisis of Empirical Sociology'. *Sociology* 41 (5): 885–99.  
[http://www.jstor.org.libproxy.ucl.ac.uk/stable/42858273?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org.libproxy.ucl.ac.uk/stable/42858273?seq=1#page_scan_tab_contents).

Nadim, Tahani. 2016. 'Blind Regards: Troubling Data and Their Sentinels'. *Big Data & Society* 3 (2). <https://doi.org/10.1177/2053951716666301>.

Nafus, D ; Sherman, J. n.d. 'This One Does Not Go Up to 11: The Quantified Self Movement as an Alternative Big Data Practice'.  
[http://ucl-primo.hosted.exlibrisgroup.com/primo\\_library/libweb/action/display.do?tabs=detailsTab&ct=display&fn=search&doc=TN\\_wos000349010500023&indx=1&reclids=TN\\_wos000349010500023&recldxs=0&elementId=0&renderMode=poppedOut&displayMode=full&frbrVersion=&frbg=&&dscnt=0&scp.scps=scope%3A%28UCL%29%2Cprimo\\_central\\_multiple\\_fe&tb=t&mode=Basic&vid=UCL\\_VU1&srt=rank&tab=local&dum=true&vl\(freeText0\)=%20Nafus%2C%20D.%20and%20J.%20Sherman%20%282014%29%20This%20One%20Does%20Not%20Go%20Up%20to%20Eleven%3A%20The%20Quantified%20Self%20Movement%20as%20an%20Alternative%20Big%20Data%20Practice.%20International%20Journal%20of%20Communication%2C%20Vol%208.&dstmp=1471435285056](http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?tabs=detailsTab&ct=display&fn=search&doc=TN_wos000349010500023&indx=1&reclids=TN_wos000349010500023&recldxs=0&elementId=0&renderMode=poppedOut&displayMode=full&frbrVersion=&frbg=&&dscnt=0&scp.scps=scope%3A%28UCL%29%2Cprimo_central_multiple_fe&tb=t&mode=Basic&vid=UCL_VU1&srt=rank&tab=local&dum=true&vl(freeText0)=%20Nafus%2C%20D.%20and%20J.%20Sherman%20%282014%29%20This%20One%20Does%20Not%20Go%20Up%20to%20Eleven%3A%20The%20Quantified%20Self%20Movement%20as%20an%20Alternative%20Big%20Data%20Practice.%20International%20Journal%20of%20Communication%2C%20Vol%208.&dstmp=1471435285056).

Nafus, Dawn. 2014. 'Stuck Data, Dead Data, and Disloyal Data: The Stops and Starts in Making Numbers into Social Practices'. *Distinktion: Scandinavian Journal of Social Theory*

15 (2): 208–22. <https://doi.org/10.1080/1600910X.2014.920266>.

———. 2015. 'Data, Data, Everywhere, but Who Gets to Interpret It? | EPIC'. EPIC. EPICPeople.org. 15 May 2015. <https://www.epicpeople.org/data-data-everywhere/>.

Porter, Theodore M. 1995. *Trust in Numbers: The Pursuit of Objectivity in Science and Public Life*. Princeton, N.J: Princeton University Press.

'Publications | Sciences Po | MedialabSciences Po | Medialab'. n.d. <http://www.medialab.sciences-po.fr/publication/>.

Rabinow, Paul. 1996. *Essays on the Anthropology of Reason*. Vol. Princeton studies in culture/power/history. Princeton, N.J: Princeton University Press.

Rapp, Rayna. 2015. 'Big Data, Small Kids: Medico-Scientific, Familial and Advocacy Visions of Human Brains'. *BioSocieties*, October. <https://doi.org/10.1057/biosoc.2015.33>.

Richardson, Sarah S., and Hallam Stevens. 2015. *Postgenomics: Perspectives on Biology after the Genome*. Durham: Duke University Press. <http://dx.doi.org/10.1215/9780822375449>.

Riles, A. 2006. 'Introduction: In Response'. In *Documents: Artifacts of Modern Knowledge*, 1–38. Ann Arbor: University of Michigan Press.

Riles, Annelise. 2000. *The Network inside out: Annelise Riles*. Ann Arbor: The University of Michigan Press.

Roderick, Leanne. 2014. 'Discipline and Power in the Digital Age: The Case of the US Consumer Data Broker Industry'. *Critical Sociology* 40 (5): 729–46. <https://doi.org/10.1177/0896920513501350>.

Rosenberg, D. 2013. 'Data before the Fact'. In 'Raw Data' Is an Oxymoron, edited by Lisa Gitelman. Vol. Infrastructures series. Cambridge, Massachusetts: The MIT Press. <http://ieeexplore.ieee.org/servlet/opac?bknumber=6451327>.

Rubio, Fernando Dominguez, and Patrick Baert, eds. 2012. 'Leach, J. (2012) "Step inside: Knowledge Freely Available": The Politics of (Making) Knowledge-Objects'. In *The Politics of Knowledge*. London: Routledge. <https://www.taylorfrancis.com/books/9781134004386>.

Ruckenstein, Minna. 2014. 'Visualized and Interacted Life: Personal Analytics and Engagements with Data Doubles'. *Societies* 4 (1): 68–84. <https://doi.org/10.3390/soc4010068>.

Ruppert, E. 2012. 'The Governmental Topologies of Database Devices'. *Theory, Culture & Society* 29 (4–5): 116–36. <https://doi.org/10.1177/0263276412439428>.

Ruppert, E., J. Law, and M. Savage. 2013. 'Reassembling Social Science Methods: The Challenge of Digital Devices'. *Theory, Culture & Society* 30 (4): 22–46. <https://doi.org/10.1177/0263276413484941>.

Ruppert, Evelyn, and Mike Savage. 2011. 'Transactional Politics'. *The Sociological Review* 59 (December): 73–92. <https://doi.org/10.1111/j.1467-954X.2012.02057.x>.

- S. Day, and C. Lury. 2016. 'Biosensing: Tracking Persons.' In *Quantified: Biosensing Technologies in Everyday Life*. MIT Press.  
<http://ieeexplore.ieee.org.libproxy.ucl.ac.uk/xpl/ebooks/bookPdfWithBanner.jsp?fileName=7580073.pdf&bkn=7580015&pdfType=chapter>.
- Sabina Leonelli. 2015. 'What Counts as Scientific Data? A Relational Framework'. *Philosophy of Science* 82 (5): 810–21.  
[http://www.jstor.org/stable/10.1086/684083?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org/stable/10.1086/684083?seq=1#page_scan_tab_contents).
- Salmond, Amiria J. M. 2013a. 'Transforming Translations (Part I)'. *HAU: Journal of Ethnographic Theory* 3 (3). <https://doi.org/10.14318/hau3.3.002>.
- . 2013b. 'Transforming Translations (Part I): "The Owner of These Bones"'. *HAU: Journal of Ethnographic Theory* 3 (3): 1–32. <https://doi.org/10.14318/hau3.3.002>.
- Seaver, N. 2014. 'Studying up: The Ethnography of Technologists'. *Ethnography Matters*. 10 March 2014. <http://ethnographymatters.net/blog/2014/03/10/studying-up/>.
- Seaver, Nick. 2015. 'The Nice Thing about Context Is That Everyone Has It'. *Media, Culture & Society* 37 (7): 1101–9. <https://doi.org/10.1177/0163443715594102>.
- . 2017. 'Algorithms as Culture: Some Tactics for the Ethnography of Algorithmic Systems'. *Big Data & Society* 4 (2). <https://doi.org/10.1177/2053951717738104>.
- Shackley, S., and B. Wynne. 1996. 'Representing Uncertainty in Global Climate Change Science and Policy: Boundary-Ordering Devices and Authority'. *Science, Technology & Human Values* 21 (3): 275–302. <https://doi.org/10.1177/016224399602100302>.
- Sharma, Aradhana, and Akhil Gupta. 2006. 'Sharma, A. and Gupta, A. (2006) Introduction: Re-Thinking Theories of the State in an Age of Globalization'. In *The Anthropology of the State: A Reader*. Vol. Blackwell readers in anthropology. Malden, Mass: Blackwell.
- Sharp, Lesley A. 2000. 'The Commodification of the Body and Its Parts'. *Annual Review of Anthropology* 29 (1): 287–328. <https://doi.org/10.1146/annurev.anthro.29.1.287>.
- Singer, Natasha. 2015. 'From Knowing Yourself to Prodding Yourself'. *The New York Times*, April.
- Stefan Helmreich. 2011. 'From Spaceship Earth to Google Ocean: Planetary Icons, Indexes, and Infrastructures'. *Social Research* 78 (4): 1211–42.  
[http://www.jstor.org.libproxy.ucl.ac.uk/stable/23349849?seq=1#page\\_scan\\_tab\\_contents](http://www.jstor.org.libproxy.ucl.ac.uk/stable/23349849?seq=1#page_scan_tab_contents).
- Steinmetz, George. 1999. 'Mitchell, T. (1999) Society, Economy and the State Effect. In *State/Culture: State Formation after the Cultural Turn*. Vol. The Wilder House series in politics, history, and culture. Ithaca, N.Y.: Cornell University Press.  
[https://ucl.primo.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=14616198260004761&institutionId=4761&customerId=4760&VE=true](https://ucl.primo.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=14616198260004761&institutionId=4761&customerId=4760&VE=true).
- Strathern, M. 1987. 'The Limits of Auto-Anthropology'. In *Anthropology at Home*, A.S.A.

monographs:16–37. London: Tavistock Publications.

Strathern, M. 2000. 'Environments within: An Ethnographic Commentary on Scale'. In *Culture, Landscape, and the Environment: The Linacre Lectures, 1997*, The Linacre lectures:44–71. Oxford: Oxford University Press.

———. 2002. 'On Space and Depth'. In *Complexities: Social Studies of Knowledge Practices*. Vol. Science and cultural theory. Durham: Duke University Press.  
<http://dx.doi.org/10.1215/9780822383550>.

'Strathern, M. Abstraction and Decontextualisation; an Anthropological Comment'. n.d.  
<http://virtualsociety.sbs.ox.ac.uk/GRpapers/strathern.htm>.

Strathern, Marilyn. 1992a. *After Nature: English Kinship in the Late Twentieth Century*. Vol. The Lewis Henry Morgan lectures. Cambridge: Cambridge University Press.

———. 1992b. 'Parts and Wholes: Refiguring Relationships in a Post-Plural World'. In *Conceptualizing Society*, 75–106. London: Routledge.  
<http://www.tandfebooks.com/ISBN/9780203032244>.

———. 1999. 'Chapter 1'. In *Property, Substance and Effect: Anthropological Essays on Persons and Things*. London: Athlone.

———. 2004. *Partial Connections*. Updated ed. Walnut Creek, CA: AltaMira Press.

———. 2005. 'Chapter 5: Losing (out on) Intellectual Resources'. In *Kinship, Law and the Unexpected: Relatives Are Always a Surprise*, 111–34. Cambridge: Cambridge University Press. <http://dx.doi.org/10.1017/CBO9780511614514>.

Strathern, Marilyn and University of Cambridge. Department of Social Anthropology. 1995. *The Relation: Issues in Complexity and Scale*. Vol. Prickly Pear pamphlet. Cambridge, U.K.: Prickly Pear Press.

Striphas, Ted. 2015. 'Algorithmic Culture'. *European Journal of Cultural Studies* 18 (4–5): 395–412. <https://doi.org/10.1177/1367549415577392>.

Thacker, Eugene. 2003. 'What Is Biomedica?' *Configurations* 11 (1): 47–79.  
<https://doi.org/10.1353/con.2004.0014>.

'The Healing Power of Your Own Medical Records - The New York Times'. n.d.  
[http://www.nytimes.com/2015/04/01/technology/the-healing-power-of-your-own-medical-data.html?\\_r=0](http://www.nytimes.com/2015/04/01/technology/the-healing-power-of-your-own-medical-data.html?_r=0).

'The World of Indicators Edited by Richard Rottenburg'. n.d.  
<https://www-cambridge-org.libproxy.ucl.ac.uk/core/books/world-of-indicators/C7903E69E0329A256EF02C3CB5C918ED>.

'To the Cloud: Big Data in a Turbulent World'. 2015. *Contemporary Sociology: A Journal of Reviews* 44 (3): 436–37. <https://doi.org/10.1177/0094306115579192c>.

Tsing, Anna. 2013. 'Sorting out Commodities: How Capitalist Value Is Made through Gifts'. *HAU : Journal of Ethnographic Theory* 3 (1): 21–43.

[https://search-proquest-com.libproxy.ucl.ac.uk/docview/1850088542?rfr\\_id=info%3Axri%2Fsid%3Aprimo](https://search-proquest-com.libproxy.ucl.ac.uk/docview/1850088542?rfr_id=info%3Axri%2Fsid%3Aprimo).

Tutton, Richard, and Barbara Prainsack. 2011. 'Enterprising or Altruistic Selves? Making up Research Subjects in Genetics Research'. *Sociology of Health & Illness* 33 (7): 1081–95. <https://doi.org/10.1111/j.1467-9566.2011.01348.x>.

Underberg, Natalie M., and Elayne Zorn. 2013. 'Exploring Peruvian Culture through Multimedia Ethnography'. *Visual Anthropology* 26 (1): 1–17. <https://doi.org/10.1080/08949468.2013.734760>.

Universitetet i Oslo. 2005. *State Formation: Anthropological Perspectives*. Edited by Christian Krohn-Hansen and Knut G. Nustad. Vol. Anthropology, culture, and society. London: Pluto Press. <https://www.jstor.org/stable/j.ctt18fs5n7>.

Van Dijck, José. 2000. 'Digital Cadavers: The Visible Human Project as Anatomical Theater'. *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences* 31 (2): 271–85. [https://doi.org/10.1016/S1369-8486\(99\)00020-5](https://doi.org/10.1016/S1369-8486(99)00020-5).

Van Dijck, José, and Thomas Poell. 2016. 'Understanding the Promises and Premises of Online Health Platforms'. *Big Data & Society* 3 (1). <https://doi.org/10.1177/2053951716654173>.

Verran, H. 2014. 'Number as Generative Device'. In *Inventive Methods: The Happening of the Social*, edited by Celia Lury and Nina Wakeford. Vol. Culture, economy and the social. Abingdon: Routledge.

Verran, Helen. 2009. 'On Assemblage'. *Journal of Cultural Economy* 2 (1–2): 169–82. <https://doi.org/10.1080/17530350903064188>.

———. 2011. 'The Changing Lives of Measures and Values: From Centre Stage in the Fading "Disciplinary" Society to Pervasive Background Instrument in the Emergent "Control" Society'. *The Sociological Review* 59 (December): 60–72. <https://doi.org/10.1111/j.1467-954X.2012.02059.x>.

Vertesi, Janet. 2014. 'My Experiment Opting Out of Big Data Made Me Look Like a Criminal.' *Time.Com*, 1–1. <http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=bth&AN=95911990&site=ehost-live&scope=site>.

Weiner, A. B. 1992a. 'Inalienable Possessions: The Forgotten Dimension'. In *Inalienable Possessions: The Paradox of Keeping-While-Giving*, 23–43. Berkeley: University of California Press. <https://contentstore.cla.co.uk/secure/link?id=c630b45e-7ffb-e711-80cd-005056af4099>.

———. 1992b. 'Reconfiguring Exchange Theory: The Maori Hau'. In *Inalienable Possessions: The Paradox of Keeping-While-Giving*. Berkeley: University of California Press.

Wendy F. Hsu. 2016. 'Hsu, W.F (2016) A Performative Digital Ethnography. In "The Routledge Companion to Digital Ethnography" Eds. Hjorth, Horst, Galloway, Bell.

Routledge'. <https://doi.org/10.4324/9781315673974.ch4>.

Whittington, Jerome. 2016. 'Carbon as a Metric of the Human'. *PoLAR: Political and Legal Anthropology Review* 39 (1): 46–63. <https://doi.org/10.1111/plar.12130>.

'Why Big Data Needs Thick Data – Ethnography Matters – Medium'. n.d.  
<https://medium.com/ethnography-matters/why-big-data-needs-thick-data-b4b3e75e3d7>.

'With Genetic Testing, I Gave My Parents the Gift of Divorce - Vox'. n.d.  
<http://www.vox.com/2014/9/9/5975653/with-genetic-testing-i-gave-my-parents-the-gift-of-divorce-23andme>.