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View Online



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

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

Adams, Vincanne. Metrics. Duke University Press, 2016. Web.
<<http://read.dukeupress.edu/lookup/doi/10.1215/9780822374480>>.

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

'---'. N.p., n.d. Web.
<<https://www-cambridge-org.libproxy.ucl.ac.uk/core/books/after-kinship/BF660970EC79E6A4847E76A38CBE1DB9>>.

Amoore, L. 'Data Derivatives: On the Emergence of a Security Risk Calculus for Our Times'. Theory, Culture & Society 28.6 (2011): 24-43. Web.

Amoore, Louise. 'Biometric Borders: Governing Mobilities in the War on Terror'. Political Geography 25.3 (2006): 336-351. Web.

Anderson, Ken et al. 'Numbers Have Qualities Too: Experiences with Ethno-Mining'. Ethnographic Praxis in Industry Conference Proceedings 2009.1 (2009): 123-140. Web.

Anna Tsing. 'The Global Situation'. Cultural Anthropology 15.3 (2000): 327-360. Web.
<http://www.jstor.org/stable/656606?seq=1#page_scan_tab_contents>.

Annelise Riles. 'Infinity within the Brackets'. American Ethnologist 25.3 (1998): 378-398. Web.
<http://www.jstor.org.libproxy.ucl.ac.uk/stable/645790?seq=1#page_scan_tab_contents>.

---. 'Infinity within the Brackets'. American Ethnologist 25.3 (1998): 378-398. Web.
<http://www.jstor.org.libproxy.ucl.ac.uk/stable/645790?seq=1#page_scan_tab_contents>.

Annette B. Weiner. 'Inalienable Wealth'. American Ethnologist 12.2 (1985): 210-227. Web.
<http://www.jstor.org/stable/644217?seq=1#page_scan_tab_contents>.

- Arturo Escobar. 'After Nature Steps to an Antiessentialist Political Ecology'. *Current Anthropology* 40.1 (1999): 1–30. Web.
<http://www.jstor.org/stable/10.1086/515799?sid=primo&origin=crossref&seq=1#page_scan_tab_contents>.
- Asdal, Kristin. 'Enacting Things through Numbers: Taking Nature into Account/Ing'. *Geoforum* 39.1 (2008): 123–132. Web.
- Beaulieu, Anne. '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 (2004): 367–390. Web.
- Beer, D., and R. Burrows. 'Popular Culture, Digital Archives and the New Social Life of Data'. *Theory, Culture & Society* 30.4 (2013): 47–71. Web.
- Beer, David. 'How Should We Do the History of Big Data?' *Big Data & Society* 3.1 (2016): n. pag. Web.
- . 'Productive Measures: Culture and Measurement in the Context of Everyday Neoliberalism'. *Big Data & Society* 2.1 (2015): n. pag. Web.
- Biagioli, M. 'Rights or Rewards? Changing Frameworks of Scientific Authorship'. *Scientific Authorship: Credit and Intellectual Property in Science*. New York: Routledge, 2013. 253–281. Web. <<http://www.tandfebooks.com/ISBN/9780203954270>>.
- Biagioli, Mario. 'Between Knowledge And Technology: Patenting Methods, Rethinking Materiality'. *Anthropological Forum* 22.3 (2012): 285–299. Web.
- Birchall, Clare. 'Shareveillance: Subjectivity between Open and Closed Data'. *Big Data & Society* 3.2 (2016): n. pag. Web.
- Blok, A., and M. A. Pedersen. 'Complementary Social Science? Quali-Quantitative Experiments in a Big Data World'. *Big Data & Society* 1.2 (2014): n. pag. Web.
- Boellstorff, T. 'Rethinking Digital Anthropology'. *Digital Anthropology*. London: Berg, 2012. Web.
<<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, and Bill Maurer, eds. 'Boellstorff, T. (2015) Making Big Data',. *Data, Now Bigger and Better!*. Paradigm. Chicago: Prickly Paradigm Press, 2015. Print.
- , eds. 'Seaver, N. (2015) Bastard Algebra'. *Data, Now Bigger and Better!*. Paradigm. Chicago: Prickly Paradigm Press, 2015. Print.
- Bowker, G. 'Databasing the World: Biodiversity and the 2000s'. *Memory Practices in the Sciences. Inside technology*. Cambridge, Mass: MIT Press, 2005. 107–136. Web.
<<https://contentstore.cla.co.uk//secure/link?id=4bbefe35-4f36-e711-80c9-005056af4099>>
- .
- Bowker, Geoffrey C. 'The Theory/Data Thing'. *International Journal of Communication* 8

(2014): n. pag. Web. <<http://ijoc.org/index.php/ijoc/article/view/2190>>.

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

boyd, danah, and Kate Crawford. 'CRITICAL QUESTIONS FOR BIG DATA'. *Information, Communication & Society* 15.5 (2012): 662–679. Web.

Breiger, R. L. 'Scaling Down'. *Big Data & Society* 2.2 (2015): n. pag. Web.

Brine, Kevin R., and Mary Poovey. 'From Measuring Desire to Quantifying Expectations: A Late Nineteenth- Century Effort to Marry Economic Theory and Data'. 'Raw Data' Is an Oxymoron. *Infrastructures series*. Cambridge, Mass: MIT Press, 2013. Web. <<https://ieeexplore-ieee-org.libproxy.ucl.ac.uk/servlet/opac?bknumber=6451327>>.

Brown, D., and G. Nicholas. 'Protecting Indigenous Cultural Property in the Age of Digital Democracy: Institutional and Communal Responses to Canadian First Nations and Maori Heritage Concerns'. *Journal of Material Culture* 17.3 (2012): 307–324. Web.

Browne, Simone. *Dark Matters*. Duke University Press, 2015. Web. <<http://read.dukeupress.edu/lookup/doi/10.1215/9780822375302>>.

Büscher, Bram. 'Nature 2.0'. *Geoforum* 44 (2013): 1–3. Web.

---. 'Nature 2.0: Exploring and Theorizing the Links between New Media and Nature Conservation'. *New Media & Society* 18.5 (2016): 726–743. Web.

Candea, Matei. 'Arbitrary Locations: In Defence of the Bounded Field-Site'. *Journal of the Royal Anthropological Institute* 13.1 (2007): 167–184. Web.

Cheney-Lippold, John. 'A New Algorithmic Identity'. *Theory, Culture & Society* 28.6 (2011): 164–181. Web.

Chua, L., and A. Salmond. 'Artefacts in Anthropology'. *The SAGE Handbook of Social Anthropology*. Los Angeles: SAGE, 2012. 101–114. Web. <<https://contentstore.cla.co.uk//secure/link?id=11445b7c-8636-e711-80c9-005056af4099>>.

Chun, Wendy Hui Kyong. 'The Enduring Ephemeral, or the Future Is a Memory'. *Critical Inquiry* 35.1 (2008): 148–171. Web.

Coopmans, Catelijne. 'Visual Analytics as Artful Revelation'. *Representation in Scientific Practice Revisited*. Ed. Catelijne Coopmans. Inside technology. Cambridge, Massachusetts: The MIT Press, 2014. Web. <http://www.jstor.org/stable/j.ctt9qf5hv.6?seq=1#page_scan_tab_contents>.

Couldry, N., and A. Powell. 'Big Data from the Bottom Up'. *Big Data & Society* 1.2 (2014): n. pag. Web.

D. Haggerty, Richard V. Ericson, Kevin. 'The Surveillant Assemblage'. *British Journal of Sociology* 51.4 (2000): 605–622. Web.

- D. Miller. 'Alienable Gifts and Inalienable Commodities'. *The Empire of Things: Regimes of Value and Material Culture*. School of American Research advanced seminar series. Santa Fe, N.M.: School of American Research Press, 2001. Print.
- Dalsgaard, Steffen. 'The Commensurability of Carbon'. *HAU: Journal of Ethnographic Theory* 3.1 (2013): 80–98. Web.
- Dalsgaard, Steffen, and Morten Nielsen. 'Introduction: Time and the Field'. *Social Analysis* 57.1 (2013): 1–19. Web.
- Dawn Nafus. '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 (2014): n. pag. Web. <<http://ijoc.org/index.php/ijoc/article/view/2170>>.
- 'Dourish, P. (2014) No SQL: The Shifting Materialities of Databases. *Computational Culture: A Journal of Software Studies*. Issue 4.' n. pag. Web. <<http://computationalculture.net/article/no-sql-the-shifting-materialities-of-database-technology>>.
- Elizabeth A. Povinelli. '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 (2011): 146–171. Web. <<http://differences.dukejournals.org/content/22/1/146.short>>.
- Emily Martin. 'The End of the Body?' *American Ethnologist* 19.1 (1992): 121–140. Web. <http://www.jstor.org/stable/644828?seq=1#page_scan_tab_contents>.
- Evelyn Ruppert. 'Population Objects: Interpassive Subjects'. *Sociology* 45.2 (2011): 218–233. Web. <http://www.jstor.org/stable/42857535?seq=1#page_scan_tab_contents>.
- Fairhead, James, Melissa Leach, and Ian Scoones. 'Green Grabbing: A New Appropriation of Nature?' *Journal of Peasant Studies* 39.2 (2012): 237–261. Web.
- Faubion, James D., and George E. Marcus. *Fieldwork Is Not What It Used to Be: Learning Anthropology's Method in a Time of Transition*. Ithaca: Cornell University Press, 2009. Print.
- Floridi, Luciano. 'A Look into the Future Impact of ICT on Our Lives'. *The Information Society* 23.1 (2007): 59–64. Web.
- Ford, H. 'Big Data and Small: Collaborations between Ethnographers and Data Scientists'. *Big Data & Society* 1.2 (2014): n. pag. Web.
- Fortun, Kim et al. 'Pushback: Critical Data Designers and Pollution Politics'. *Big Data & Society* 3.2 (2016): n. pag. Web.
- Franklin, S. 'Biologization Re-Visited: Kinship Theory'. *Relative Values: Reconfiguring Kinship Studies*. Durham [N.C.]: Duke University Press, 2001. 302–325. Web. <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%20studie>.

s&sortby=date_d&facet=frbrgroupid,include,61215140135456524&offset=0>.

---. 'Re-Thinking Nature-Culture: Anthropology and the New Genetics'. *Anthropological Theory* 3.1 (2003): 65–85. Web.

Fujimara, J. 'The Practice of Producing Meaning in Bioinformatics'. *The Practices of Human Genetics. Sociology of the sciences*. Dordrecht: Kluwer Academic, 1999. 49–87. Print.

Fuller, M., and A. Goffey. 'Digital Infrastructures and the Machinery of Topological Abstraction'. *Theory, Culture & Society* 29.4–5 (2012): 311–333. Web.

Fuller, M, and A Goffey. 'Leak Early, Leak Often'. *Evil Media*. Cambridge, Massachusetts: The MIT Press, 2012. 100–104. Web.

<https://ucl.primo.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=15040989580004761&institutionId=4761&customerId=4760&VE=true>.

Gabrys, Jennifer. *Program Earth: Environmental Sensing Technology and the Making of a Computational Planet*. *Electronic mediations*. Minneapolis: University of Minnesota Press, 2016. Web. <<http://www.jstor.org/stable/10.5749/j.ctt1b7x5gq>>.

Gabrys, Jennifer, Helen Pritchard, and Benjamin Barratt. 'Just Good Enough Data: Figuring Data Citizenships through Air Pollution Sensing and Data Stories'. *Big Data & Society* 3.2 (2016): n. pag. Web.

Garnett, Emma. 'Developing a Feeling for Error: Practices of Monitoring and Modelling Air Pollution Data'. *Big Data & Society* 3.2 (2016): n. pag. Web.

Geismar, Haidy, and William Mohns. 'Social Relationships and Digital Relationships: Rethinking the Database at the Vanuatu Cultural Centre'. *Journal of the Royal Anthropological Institute* 17 (2011): S133–S155. Web.

George E. Marcus and Marcelo Pizarro. 'The End(s) of Ethnography: Social/Cultural Anthropology's Signature Form of Producing Knowledge in Transition'. *Cultural Anthropology* 23.1 (2008): 1–14. Web.

<http://www.jstor.org/stable/20484493?seq=1#page_scan_tab_contents>.

Gerlitz, Carolin, and Celia Lury. 'Social Media and Self-Evaluating Assemblages: On Numbers, Orderings and Values'. *Distinktion: Scandinavian Journal of Social Theory* 15.2 (2014): 174–188. Web.

Gilles Deleuze. 'Postscript on the Societies of Control'. *October* 59 (1992): 3–7. Web. <http://www.jstor.org.libproxy.ucl.ac.uk/stable/778828?seq=1#page_scan_tab_contents>.

Gitelman, Lisa. 'Raw Data' Is an Oxymoron. *Infrastructures series*. Cambridge, Mass: MIT Press, 2013. Web. <<http://ieeexplore.ieee.org/xpl/bkabstractplus.jsp?bkn=6451327>>.

Grebowicz, Margret. 'Glacial Time and Lonely Crowds: The Social Effects of Climate Change as Internet Spectacle'. *Environmental Humanities* 5 (2014): 1–11. Web. <<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.p., n.d. Web. <<http://ieeexplore.ieee.org.libproxy.ucl.ac.uk/xpl/ebooks/bookPdfWithBanner.jsp?fileName=7580296.pdf&bkn=7580015&pdfType=chapter>>.

Gregg, M. 'The Gift That Is Not Given'. Data, Now Bigger and Better!. Ed. Tom Boellstorff and Bill Maurer. Paradigm. Chicago: Prickly Paradigm Press, 2015. Print.

Gregory, C. A. Gifts and Commodities. Studies in political economy. London: Academic Press, 1982. Print.

Gross, Ana. 'The Economy of Social Data: Exploring Research Ethics as Device'. The Sociological Review 59 (2011): 113-129. Web.

Hacking, I. 'The Argument'. The Taming of Chance. Ideas in Context. Cambridge: Cambridge University Press, 1990. 1-10. Web. <<http://dx.doi.org/10.1017/CBO9780511819766>>.

Halpern, Orit. Beautiful Data. Duke University Press, 2015. Web.

---. Beautiful Data: A History of Vision and Reason since 1945. Experimental futures. Durham, N.C.: Duke University Press, 2014. Print.

---. 'Cybernetic Rationality'. Distinktion: Scandinavian Journal of Social Theory 15.2 (2014): 223-238. Web.

Haraway, D. 'Chapter 4: Gene'. Modest[]Witness@Second[]Millennium.FemaleMan[]Meets[]OncoMouse: Feminism and Technoscience. New York: Routledge, 1997. Print.

Harvey, P. 'The Topological Quality of Infrastructural Relation: An Ethnographic Approach'. Theory, Culture & Society 29.4-5 (2012): 76-92. Web.

Helmond, Anne. "'Raw Data" Is an Oxymoron'. Information, Communication & Society 17.9 (2014): 1171-1173. Web.

Helmreich, S. 'Kinship in Hypertext'. Relative Values: Reconfiguring Kinship Studies. Durham, N.C.: Duke University Press, 2002. 116-143. Web. <<http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780822383222>>.

Helmreich, Stefan. 'Blue-Green Capital, Biotechnological Circulation and an Oceanic Imaginary: A Critique of Biopolitical Economy'. BioSocieties 2.3 (2007): 287-302. Web.

Hilgartner, Stephen. 'Selective Flows of Knowledge in Technoscientific Interaction: Information Control in Genome Research'. The British Journal for the History of Science 45.02 (2012): 267-280. Web.

Hirsch, Eric, and Marilyn Strathern. Transactions and Creations: Property Debates and the Stimulus of Melanesia. New York: Berghahn Books, 2004. Web. <<https://www.jstor.org/stable/j.ctv287skdk>>.

Hogan, M el. 'Data Flows and Water Woes: The Utah Data Center'. *Big Data & Society* 2.2 (2015): n. pag. Web.

Hui, Yuk. 'What Is a Digital Object?' *Metaphilosophy* 43.4 (2012): 380–395. Web.

Igoe, J. 'The Spectacle of Nature in the Global Economy of Appearances: Anthropological Engagements with the Spectacular Mediations of Transnational Conservation'. *Critique of Anthropology* 30.4 (2010): 375–397. Web.

'Isin, E and Ruppert E (2017) Citizen Snowden. *International Journal of Communication* 11 843-857'. N.p., n.d. Web. <<http://ijoc.org/index.php/ijoc/article/viewFile/5642/1934>>.

'---'. N.p., n.d. Web. <<http://ijoc.org/index.php/ijoc/article/viewFile/5642/1934>>.

J. Holt, and Patrick Vondereau. 'Where the Internet Lives: Data Centers as Cloud Infrastructure'. *Traffic Signal Timing Manual*. [Washington, D.C.]: U.S. Department of Transportation, 2014. Web. <http://app.knovel.com/hotlink/toc/id:kpTSTMPNF2/traffic_signal_timing_manual_publication_no_fhwahop08024>.

Jackson Jr., John L. 'Ethnography Is, Ethnography Ain't'. *Cultural Anthropology* 27.3 480–497. Web.

Jensen, Casper Bruun, and Atsuro Morita. 'Infrastructures as Ontological Experiments'. *Engaging Science, Technology, and Society* 1 (2015): 81–87. Web. <<http://estsjournal.org/article/view/21>>.

JIM NEZ, ALBERTO CORS N. 'Relations and Disproportions: The Labor of Scholarship in the Knowledge Economy'. *American Ethnologist* 35.2 (2008): 229–242. Web.

John, Nicholas A. 'Sharing and Web 2.0: The Emergence of a Keyword'. *New Media & Society* 15.2 (2013): 167–182. Web.

Kaufmann, M. 'Resilience 2.0: Social Media Use and (Self-)Care during the 2011 Norway Attacks'. *Media, Culture & Society* 37.7 (2015): 972–987. Web.

Kelty, Christopher, Gabriella Coleman, and Karen Strassler. 'Commentary and Discussion on the Digital Form Curated Collection'. *Curated Collections, Cultural Anthropology Online*. N.p., 13 Dec. 2012. Web. <http://www.culanth.org/curated_collections/8-the-digital-form/discussions/15-commentary-and-discussion-on-the-digital-form-curated-collection>.

Kelty, Christopher M. 'This Is Not an Article: Model Organism Newsletters and the Question of "Open Science"'. *BioSocieties* 7.2 (2012): 140–168. Web.

Kim Fortun. 'From Bhopal to the Informing of Environmentalism: Risk Communication in Historical Perspective'. *Osiris* 19 (2004): 283–296. Web. <http://www.jstor.org.libproxy.ucl.ac.uk/stable/3655245?seq=1#page_scan_tab_contents>.

Kirstie Ball ; Kevin D. Haggend David Lyon. 'Bruno, Fernanda. (2012) Surveillance and Participation on Web 2.0.' *Routledge Handbook of Surveillance Studies*. N.p. Web.

Kitchin, R. 'Big Data, New Epistemologies and Paradigm Shifts'. *Big Data & Society* 1.1 (2014): n. pag. Web.

Knox, H. 'Carbon, Convertibility, and the Technopolitics of Oil'. *Subterranean Estates: Life Worlds of Oil and Gas*. Ed. Hannah Appel, Arthur Mason, and Michael Watts. Ithaca: Cornell University Press, 2015. Web.

<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. 'A Free Gift Makes No Friends'. *Journal of the Royal Anthropological Institute* 6.4 (2000): 617-634. Web.

Lake, Robert W. 'Big Data, Urban Governance, and the Ontological Politics of Hyperindividualism'. *Big Data & Society* 4.1 (2017): n. pag. Web.

Lash, S. 'Power after Hegemony: Cultural Studies in Mutation?' *Theory, Culture & Society* 24.3 (2007): 55-78. Web.

Latour, B. 'Circulating Reference'. *Pandora's Hope: Essays on the Reality of Science Studies*. Cambridge, Mass: Harvard University Press, 1999. 24-79. Web.

<<https://contentstore.cla.co.uk//secure/link?id=3281174a-6036-e711-80c9-005056af4099>>.

Latour, Bruno et al. "'The Whole Is Always Smaller than Its Parts" - a Digital Test of Gabriel Tarde's Monads'. *The British Journal of Sociology* 63.4 (2012): 590-615. Web.

Leach, James. 'The Self of the Scientist, Material for the Artist: Emergent Distinctions in an Interdisciplinary Collaboration'. *Social Analysis* 55.3 (2011): n. pag. Web.

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

Leonelli, S. '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 (2013): 6-11. Web.

Lezaun, J., and C. M. Montgomery. 'The Pharmaceutical Commons: Sharing and Exclusion in Global Health Drug Development'. *Science, Technology & Human Values* 40.1 (2015): 3-29. Web.

Lippert, Ingmar. 'Environment as Datascape: Enacting Emission Realities in Corporate Carbon Accounting'. *Geoforum* 66 (2015): 126-135. Web.

Lupton, Deborah. 'Quantifying the Body: Monitoring and Measuring Health in the Age of mHealth Technologies'. *Critical Public Health* 23.4 (2013): 393-403. Web.

---. 'Self-Tracking Modes: Reflexive Self-Monitoring and Data Practices'. *Social life of big data symposium* 2nd June 2015. Web.

<https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2483549>.

---. 'The Commodification of Patient Opinion: The Digital Patient Experience Economy in the Age of Big Data'. *Sociology of Health & Illness* 36.6 (2014): 856–869. Web.

LYON, DAVID. 'BIOMETRICS, IDENTIFICATION AND SURVEILLANCE'. *Bioethics* 22.9 (2008): 499–508. Web.

Lyon, David. 'Biometrics, Identification and Surveillance'. *Bioethics* 22.9 (2008): 499–508. Web.

---. 'Liquid Surveillance: The Contribution of Zygmunt Bauman to Surveillance Studies1'. *International Political Sociology* 4.4 (2010): 325–338. Web.

---. 'Surveillance, Snowden, and Big Data: Capacities, Consequences, Critique'. *Big Data & Society* 1.2 (2014): n. pag. Web.

Mackenzie, Adrian. 'Multiplying Numbers Differently: An Epidemiology of Contagious Convolution'. *Distinktion: Scandinavian Journal of Social Theory* 15.2 (2014): 189–207. Web.

---. 'These Things Called Systems'. *Social Studies of Science* 33.3 (2003): 365–387. Web.

Manovich, L. 'Database as Symbolic Form'. *Convergence: The International Journal of Research into New Media Technologies* 5.2 (1999): 80–99. Web.

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

Marcus, George E. 'Ethnography in/of the World System: The Emergence of Multi-Sited Ethnography'. *Annual Review of Anthropology* 24.1 (1995): 95–117. Web.

MARCUS, GEORGE E. 'THE LEGACIES OF WRITING CULTURE AND THE NEAR FUTURE OF THE ETHNOGRAPHIC FORM: A Sketch'. *Cultural Anthropology* 27.3 (2012): 427–445. Web.

MARILYN STRATHERN. 'VIRTUAL SOCIETY? GET REAL! Ashridge 4–5 May 2000: Conference of the "Virtual Society?: The Social Science of Electronic Technologies" Programme: Abstraction and Decontextualisation: An Anthropological Comment'. *The Cambridge Journal of Anthropology* 22.1 (2001): 52–66. Web.
<http://www.jstor.org/libproxy.ucl.ac.uk/stable/23820353?seq=1#page_scan_tab_contents>.

Marilyn Strathern. 'Virtual Society? Get Real! Ashridge 4–5 May 2000: Conference of the "Virtual Society?: The Social Science of Electronic Technologies" Programme: Abstraction and Decontextualisation: An Anthropological Comment'. *The Cambridge Journal of Anthropology* 22.1 (2001): 52–66. Web.
<http://www.jstor.org/stable/23820353?seq=8#page_scan_tab_contents>.

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

Marres, Noortje, and Esther Weltevrede. 'Scraping the Social?' *Journal of Cultural Economy* 6.3 (2013): 313–335. Web.

Maurer, Bill. 'Late to the Party: Debt and Data'. *Social Anthropology* 20.4 (2012): 474–481. Web.

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

M'charek, Amade, Katharina Schramm, and David Skinner. 'Topologies of Race'. *Science, Technology, & Human Values* 39.4 (2014): 468–487. Web.

McNally, Ruth et al. 'Understanding the "Intensive" in "Data Intensive Research": Data Flows in Next Generation Sequencing and Environmental Networked Sensors'. *International Journal of Digital Curation* 7.1 (2012): 81–94. Web.

Mike Savage and Roger Burrows. 'The Coming Crisis of Empirical Sociology'. *Sociology* 41.5 (2007): 885–899. Web.
<http://www.jstor.org.libproxy.ucl.ac.uk/stable/42858273?seq=1#page_scan_tab_contents>.

Nadim, Tahani. 'Blind Regards: Troubling Data and Their Sentinels'. *Big Data & Society* 3.2 (2016): n. pag. Web.

Nafus, D ; Sherman, J. 'This One Does Not Go Up to 11: The Quantified Self Movement as an Alternative Big Data Practice'. n. pag. Web.
<[http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?tabs=detailsTab&ct=display&fn=search&doc=TN_wos000349010500023&indx=1&reclds=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&reclds=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. 'Data, Data, Everywhere, but Who Gets to Interpret It? | EPIC'. *EPIC*. EPICPeople.org, 15 May 2015. Web. <<https://www.epicpeople.org/data-data-everywhere/>>.

---. '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 (2014): 208–222. Web.

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

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

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

Rapp, Rayna. 'Big Data, Small Kids: Medico-Scientific, Familial and Advocacy Visions of Human Brains'. *BioSocieties* (2015): n. pag. Web.

Richard Maxwell ; Jon Raundand Nina Lager Vestberg. 'Gabrys, J. (2015) Powering Ecologies: From Energy Ecologies to Electronic Environmentalism'. *Media and the Ecological Crisis: Routledge Research in Cultural and Media Studies* 67. N.p. Print.

Richardson, Sarah S. ; Stevens, Hallam. 'Fortun, M. (2015) What Toll Pursuit: Affective Assemblages in Genomics and Postgenomics'. *Postgenomics: Perspectives on Biology after the Genome*. N.p. Web.

<[http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?frbrVersion=4&tabs=detailsTab&ct=display&fn=search&doc=TN_dawson9780822375449&indx=2&reclDs=TN_dawson9780822375449&reclDxs=1&p;elementId=1&renderMode=poppedOut&displayMode=full&frbrVersion=4&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\(freeText0\)=Postgenomics%3A%20Perspectives%20on%20Biology%20After%20the%20Genome&dstmp=1471430773987](http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?frbrVersion=4&tabs=detailsTab&ct=display&fn=search&doc=TN_dawson9780822375449&indx=2&reclDs=TN_dawson9780822375449&reclDxs=1&p;elementId=1&renderMode=poppedOut&displayMode=full&frbrVersion=4&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)=Postgenomics%3A%20Perspectives%20on%20Biology%20After%20the%20Genome&dstmp=1471430773987)>.

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

Riles, Annelise. *The Network inside out*: Annelise Riles. Ann Arbor: University of Michigan Press, 2001. Print.

Roderick, Leanne. 'Discipline and Power in the Digital Age: The Case of the US Consumer Data Broker Industry'. *Critical Sociology* 40.5 (2014): 729–746. Web.

Rosemary J. Coombe and Andrew Herman. 'Rhetorical Virtues: Property, Speech, and the Commons on the World-Wide Web'. *Anthropological Quarterly* 77.3 (2004): 559–574. Web. <<http://www.jstor.org/stable/3318236>>.

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

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

Ruckenstein, Minna. 'Visualized and Interacted Life: Personal Analytics and Engagements with Data Doubles'. *Societies* 4.1 (2014): 68–84. Web.

Ruppert, E. 'The Governmental Topologies of Database Devices'. *Theory, Culture & Society* 29.4–5 (2012): 116–136. Web.

Ruppert, E., J. Law, and M. Savage. 'Reassembling Social Science Methods: The Challenge of Digital Devices'. *Theory, Culture & Society* 30.4 (2013): 22–46. Web.

Ruppert, Evelyn. 'Population Objects: Interpassive Subjects'. *Sociology* 45.2 (2011): 218-233. Web.

Ruppert, Evelyn, and Mike Savage. 'Transactional Politics'. *The Sociological Review* 59 (2011): 73-92. Web.

S. Day, and C. Lury. 'Biosensing: Tracking Persons.' *Quantified: Biosensing Technologies in Everyday Life*. MIT Press, 2016. Web.
<<http://ieeexplore.ieee.org.libproxy.ucl.ac.uk/xpl/ebooks/bookPdfWithBanner.jsp?fileName=7580073.pdf&bkn=7580015&pdfType=chapter>>.

Sabina Leonelli. 'What Counts as Scientific Data? A Relational Framework'. *Philosophy of Science* 82.5 (2015): 810-821. Web.
<http://www.jstor.org/stable/10.1086/684083?seq=1#page_scan_tab_contents>.

Salmond, Amiria J. M. 'Transforming Translations (Part I)'. *HAU: Journal of Ethnographic Theory* 3.3 (2013): n. pag. Web.

Seaver, Nick. 'Algorithms as Culture: Some Tactics for the Ethnography of Algorithmic Systems'. *Big Data & Society* 4.2 (2017): n. pag. Web.

---. 'The Nice Thing about Context Is That Everyone Has It'. *Media, Culture & Society* 37.7 (2015): 1101-1109. Web.

Shackley, S., and B. Wynne. 'Representing Uncertainty in Global Climate Change Science and Policy: Boundary-Ordering Devices and Authority'. *Science, Technology & Human Values* 21.3 (1996): 275-302. Web.

Sharma, Aradhana, and Akhil Gupta. 'Sharma, A. and Gupta, A. (2006) Introduction: Re-Thinking Theories of the State in an Age of Globalization'. *The Anthropology of the State: A Reader*. Blackwell readers in anthropology. Malden, Mass: Blackwell, 2006. Print.
Sharp, Lesley A. 'The Commodification of the Body and Its Parts'. *Annual Review of Anthropology* 29.1 (2000): 287-328. Web.

Singer, Natasha. 'From Knowing Yourself to Prodding Yourself'. *The New York Times* (2015): n. pag. Print.

Stefan Helmreich. 'From Spaceship Earth to Google Ocean: Planetary Icons, Indexes, and Infrastructures'. *Social Research* 78.4 (2011): 1211-1242. Web.
<http://www.jstor.org.libproxy.ucl.ac.uk/stable/23349849?seq=1#page_scan_tab_contents>.

Steinmetz, George. 'Mitchell, T. (1999) Society, Economy and the State Effect. In *State/Culture: State Formation after the Cultural Turn*. State/Culture: State-Formation after the Cultural Turn. The Wilder House series in politics, history, and culture. Ithaca, N.Y.: Cornell University Press, 1999. Web.
<https://ucl.primo.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=14616198260004761&institutionId=4761&customerId=4760&VE=true>.

Strathern, M. 'Environments within: An Ethnographic Commentary on Scale'. *Culture, Landscape, and the Environment: The Linacre Lectures*, 1997. The Linacre lectures.

Oxford: Oxford University Press, 2000. 44–71. Print.

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

Strathern, M. 'The Limits of Auto-Anthropology'. *Anthropology at Home. A.S.A. monographs*. London: Tavistock Publications, 1987. 16–37. Print.

Strathern, M. 'The Patent and the Malanggan'. *Theory, Culture & Society* 18.4 (2001): 1–26. Web.

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

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

---. 'Chapter 5: Losing (out on) Intellectual Resources'. *Kinship, Law and the Unexpected: Relatives Are Always a Surprise*. Cambridge: Cambridge University Press, 2005. 111–134. Web. <<http://dx.doi.org/10.1017/CBO9780511614514>>.

---. 'Externalities in Comparative Guise'. *Economy and Society* 31.2 (2002): 250–267. Web.

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

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

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

Striphas, Ted. 'Algorithmic Culture'. *European Journal of Cultural Studies* 18.4–5 (2015): 395–412. Web.

Thacker, Eugene. 'What Is Biomedica?' *Configurations* 11.1 (2003): 47–79. Web.

'The End of Theory: The Data Deluge Makes the Scientific Method Obsolete | WIRED'. N.p., n.d. Web. <<https://www.wired.com/2008/06/pb-theory/>>.

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

'To the Cloud: Big Data in a Turbulent World'. *Contemporary Sociology: A Journal of Reviews* 44.3 (2015): 436–437. Web.

Tsing, Anna. 'Sorting out Commodities: How Capitalist Value Is Made through Gifts'. *HAU: Journal of Ethnographic Theory* 3.1 (2013): 21–43. Web.

<https://search-proquest-com.libproxy.ucl.ac.uk/docview/1850088542?rfr_id=info%3Axri%2Fsid%3Aprimo>.

Tutton, Richard, and Barbara Prainsack. 'Enterprising or Altruistic Selves? Making up Research Subjects in Genetics Research'. *Sociology of Health & Illness* 33.7 (2011): 1081–1095. Web.

Underberg, Natalie M., and Elayne Zorn. 'Exploring Peruvian Culture through Multimedia Ethnography'. *Visual Anthropology* 26.1 (2013): 1–17. Web.

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

Van Dijck, José. '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 (2000): 271–285. Web.

Van Dijck, José, and Thomas Poell. 'Understanding the Promises and Premises of Online Health Platforms'. *Big Data & Society* 3.1 (2016): n. pag. Web.

Velkova, Julia. 'Data That Warms: Waste Heat, Infrastructural Convergence and the Computation Traffic Commodity'. *Big Data & Society* 3.2 (2016): n. pag. Web.

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

Verran, Helen. 'On Assemblage'. *Journal of Cultural Economy* 2.1–2 (2009): 169–182. Web.

---. '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* 59.2_suppl (2011): 60–72. Web.

Vertesi, Janet. 'My Experiment Opting Out of Big Data Made Me Look Like a Criminal.' *Time.com* (2014): 1–1. Web.

<<http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=bth&AN=95911990&site=ehost-live&scope=site>>.

Walford, Antonia. 'Data Moves: Taking Amazonian Climate Science Seriously'. *The Cambridge Journal of Anthropology* 30.2 (2012): n. pag. Web.

Weiner, A. B. 'Inalienable Possessions: The Forgotten Dimension'. *Inalienable Possessions: The Paradox of Keeping-While-Giving*. Berkeley: University of California Press, 1992. 23–43. Web.

<<https://contentstore.cla.co.uk//secure/link?id=7cf9c98c-5836-e711-80c9-005056af4099>>

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

Wendy F. Hsu. 'Hsu, W.F (2016) A Performative Digital Ethnography. In "The Routledge Companion to Digital Ethnography" Eds. Hjorth, Horst, Galloway, Bell. Routledge'. (2016): n. pag. Web.
<<https://www-routledgehandbooks-com.libproxy.ucl.ac.uk/doi/10.4324/9781315673974.ch4>>.

Whittington, Jerome. 'Carbon as a Metric of the Human'. *PoLAR: Political and Legal Anthropology Review* 39.1 (2016): 46-63. Web.

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