

# ANTHGC25: Advanced Topics in Digital Culture

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1.  
Beer, D.: How should we do the history of Big Data? *Big Data & Society*. 3, (2016).  
<https://doi.org/10.1177/2053951716646135>.
  2.  
Halpern, O.: *Beautiful Data*. Duke University Press (2015).  
<https://doi.org/10.1215/9780822376323-010>.
  3.  
Rubio, F.D., Baert, P. eds: Leach, J. (2012) 'Step inside: knowledge freely available': The politics of (making) knowledge-objects'. In: *The politics of knowledge*. Routledge, London (2012).
  4.  
Boellstorff, T., Maurer, B. eds: Seaver, N. (2015) *Bastard Algebra*. In: *Data, now bigger and better!* Prickly Paradigm Press, Chicago (2015).
  5.  
Annelise Riles: Infinity within the Brackets. *American Ethnologist*. 25, 378–398 (1998).
  6.  
Latour, B.: Circulating Reference. In: *Pandora's hope: essays on the reality of science studies*. pp. 24–79. Harvard University Press, Cambridge, Mass (1999).

7.

Striphas, T.: Algorithmic culture. *European Journal of Cultural Studies*. 18, 395–412 (2015). <https://doi.org/10.1177/1367549415577392>.

8.

Rosenberg, D.: Data before the fact. In: Gitelman, L. (ed.) 'Raw data' is an oxymoron. The MIT Press, Cambridge, Massachusetts (2013).

9.

Beer, D.: Productive measures: Culture and measurement in the context of everyday neoliberalism. *Big Data & Society*. 2, (2015). <https://doi.org/10.1177/2053951715578951>.

10.

Floridi, L.: A Look into the Future Impact of ICT on Our Lives. *The Information Society*. 23, 59–64 (2007). <https://doi.org/10.1080/01972240601059094>.

11.

Verran, H.: 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, 60–72 (2011). <https://doi.org/10.1111/j.1467-954X.2012.02059.x>.

12.

Hacking, I.: The argument. In: *The Taming of Chance*. pp. 1–10. Cambridge University Press, Cambridge (1990).

13.

Porter, T.M.: *Trust in numbers: the pursuit of objectivity in science and public life*. Princeton University Press, Princeton, N.J (1995).

14.

Hui, Y.: What is a Digital Object? *Metaphilosophy*. 43, 380–395 (2012).  
<https://doi.org/10.1111/j.1467-9973.2012.01761.x>.

15.

Halpern, O.: Cybernetic rationality. *Distinktion: Scandinavian Journal of Social Theory*. 15, 223–238 (2014). <https://doi.org/10.1080/1600910X.2014.923320>.

16.

Halpern, O.: *Beautiful data: a history of vision and reason since 1945*. Duke University Press, Durham, N.C. (2014).

17.

Riles, A.: Introduction: in response. In: *Documents: artifacts of modern knowledge*. pp. 1–38. University of Michigan Press, Ann Arbor (2006).

18.

Chua, L., Salmond, A.: Artefacts in anthropology. In: *The SAGE handbook of social anthropology*. pp. 101–114. SAGE, Los Angeles (2012).

19.

JIMÉNEZ, A.C.: Relations and disproportions: The labor of scholarship in the knowledge economy. *American Ethnologist*. 35, 229–242 (2008).  
<https://doi.org/10.1111/j.1548-1425.2008.00035.x>.

20.

Gitelman, L.: *'Raw data' is an oxymoron*. MIT Press, Cambridge, Mass (2013).

21.

Manovich, L.: Database as Symbolic Form. *Convergence: The International Journal of Research into New Media Technologies*. 5, 80–99 (1999).  
<https://doi.org/10.1177/135485659900500206>.

22.

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, 146–171 (2011). <https://doi.org/10.1215/10407391-1218274>.

23.

Hogan, M.: Data flows and water woes: The Utah Data Center. *Big Data & Society*. 2, (2015). <https://doi.org/10.1177/2053951715592429>.

24.

Dourish, P. (2014) No SQL: The Shifting Materialities of Databases. *Computational Culture: a Journal of Software Studies*. Issue 4.

25.

Geismar, H., Mohns, W.: Social relationships and digital relationships: rethinking the database at the Vanuatu Cultural Centre. *Journal of the Royal Anthropological Institute*. 17, S133–S155 (2011). <https://doi.org/10.1111/j.1467-9655.2011.01693.x>.

26.

Velkova, J.: Data that warms: Waste heat, infrastructural convergence and the computation traffic commodity. *Big Data & Society*. 3, (2016).  
<https://doi.org/10.1177/2053951716684144>.

27.

Bowker, G.: Databasing the world: Biodiversity and the 2000s. In: *Memory practices in the sciences*. pp. 107–136. MIT Press, Cambridge, Mass (2005).

28.

Harvey, P.: The Topological Quality of Infrastructural Relation: An Ethnographic Approach. *Theory, Culture & Society*. 29, 76–92 (2012). <https://doi.org/10.1177/0263276412448827>.

29.

To the Cloud: Big Data in a Turbulent World. *Contemporary Sociology: A Journal of Reviews*. 44, 436–437 (2015). <https://doi.org/10.1177/0094306115579192c>.

30.

Bowker, G.C., Star, S.L.: *Sorting things out: classification and its consequences*. MIT Press, Cambridge, Mass (1999).

31.

J. Holt, Patrick Vondereau: *Where the Internet Lives: Data Centers as Cloud Infrastructure*. In: *Traffic signal timing manual*. U.S. Department of Transportation, [Washington, D.C.] (2014).

32.

Salmond, A.J.M.: Transforming translations (part I). *HAU: Journal of Ethnographic Theory*. 3, (2013). <https://doi.org/10.14318/hau3.3.002>.

33.

Chun, W.H.K.: The Enduring Ephemeral, or the Future Is a Memory. *Critical Inquiry*. 35, 148–171 (2008). <https://doi.org/10.1086/595632>.

34.

Fuller, M., Goffey, A.: Digital Infrastructures and the Machinery of Topological Abstraction. *Theory, Culture & Society*. 29, 311–333 (2012). <https://doi.org/10.1177/0263276412450466>.

35.

Haraway, D.: Chapter 4: Gene. In: *Modest@Witness@Second@Millennium.FemaleMan@Meets@OncoMouse: feminism and technoscience*. Routledge, New York (1997).

36.

Verran, H.: On assemblage. *Journal of Cultural Economy*. 2, 169–182 (2009). <https://doi.org/10.1080/17530350903064188>.

37.

Mackenzie, A.: Multiplying numbers differently: an epidemiology of contagious convolution. *Distinktion: Scandinavian Journal of Social Theory*. 15, 189–207 (2014). <https://doi.org/10.1080/1600910X.2014.922110>.

38.

Strathern, M., University of Cambridge. Department of Social Anthropology: *The relation: issues in complexity and scale*. Prickly Pear Press, Cambridge, U.K. (1995).

39.

Jensen, C.B., Morita, A.: Infrastructures as Ontological Experiments. *Engaging Science, Technology, and Society*. 1, 81–87 (2015).

40.

Laidlaw, J.: A free gift makes no friends. *Journal of the Royal Anthropological Institute*. 6, 617–634 (2000). <https://doi.org/10.1111/1467-9655.00036>.

41.

Tsing, Anna: Sorting out commodities: How capitalist value is made through gifts. *HAU : Journal of Ethnographic Theory*. 3, 21–43 (2013).

42.

John, N.A.: Sharing and Web 2.0: The emergence of a keyword. *New Media & Society*. 15,

167–182 (2013). <https://doi.org/10.1177/1461444812450684>.

43.

Maurer, W.M.: Principles of Alliance and Descent for Big Data. Presented at the (2015).

44.

Van Dijck, J., Poell, T.: Understanding the promises and premises of online health platforms. *Big Data & Society*. 3, (2016). <https://doi.org/10.1177/2053951716654173>.

45.

S. Day, C. Lury: Biosensing: Tracking Persons. In: *Quantified: Biosensing Technologies in Everyday Life*. MIT Press (2016).

46.

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

47.

Weiner, A.B.: Reconfiguring Exchange Theory: The Maori Hau. In: *Inalienable possessions: the paradox of keeping-while-giving*. University of California Press, Berkeley (1992).

48.

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, 6–11 (2013).  
<https://doi.org/10.1177/0270467613496768>.

49.

Richardson, Sarah S.; Stevens, Hallam; Fortun, M. (2015) What Toll Pursuit: Affective Assemblages in Genomics and Postgenomics. In: *Postgenomics: Perspectives on Biology*

after the Genome.

50.

Biagioli, M.: Rights or rewards? Changing frameworks of scientific authorship. In: *Scientific authorship: credit and intellectual property in science*. pp. 253–281. Routledge, New York (2013).

51.

Weiner, A.B.: *Inalienable possessions: The forgotten dimension*. In: *Inalienable possessions: the paradox of keeping-while-giving*. pp. 23–43. University of California Press, Berkeley (1992).

52.

Hilgartner, S.: Selective flows of knowledge in technoscientific interaction: information control in genome research. *The British Journal for the History of Science*. 45, 267–280 (2012). <https://doi.org/10.1017/S0007087412000106>.

53.

Kelty, C.M.: This is not an article: Model organism newsletters and the question of 'open science'. *BioSocieties*. 7, 140–168 (2012). <https://doi.org/10.1057/biosoc.2012.8>.

54.

Hirsch, E., Strathern, M.: *Transactions and creations: property debates and the stimulus of Melanesia*. Berghahn Books, New York (2004).

55.

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

56.



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

57.

D. Miller: Alienable Gifts and Inalienable Commodities. In: *The empire of things: regimes of value and material culture*. School of American Research Press, Santa Fe, N.M. (2001).

58.

Gregg, M.: The Gift That Is Not Given. In: Boellstorff, T. and Maurer, B. (eds.) *Data, now bigger and better!* Prickly Paradigm Press, Chicago (2015).

59.

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

60.

Biagioli, M.: Between Knowledge And Technology: Patenting Methods, Rethinking Materiality. *Anthropological Forum*. 22, 285–299 (2012). <https://doi.org/10.1080/00664677.2012.724009>.

61.

Strathern, M.: The Patent and the Malanggan. *Theory, Culture & Society*. 18, 1–26 (2001). <https://doi.org/10.1177/02632760122051850>.

62.

Brown, D., Nicholas, G.: 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, 307–324 (2012). <https://doi.org/10.1177/1359183512454065>.

63.

Gregory, C.A.: Gifts and commodities. Academic Press, London (1982).

64.

Maurer, B.: Late to the party: debt and data. *Social Anthropology*. 20, 474–481 (2012). <https://doi.org/10.1111/j.1469-8676.2012.00219.x>.

65.

Strathern, M.: Externalities in comparative guise. *Economy and Society*. 31, 250–267 (2002). <https://doi.org/10.1080/03085140220123153>.

66.

Rosemary J. Coombe and Andrew Herman: Rhetorical Virtues: Property, Speech, and the Commons on the World-Wide Web. *Anthropological Quarterly*. 77, 559–574 (2004).

67.

Annette B. Weiner: Inalienable Wealth. *American Ethnologist*. 12, 210–227 (1985).

68.

Walford, A.: Data Moves: Taking Amazonian Climate Science Seriously. *The Cambridge Journal of Anthropology*. 30, (2012). <https://doi.org/10.3167/ca.2012.300207>.

69.

Brine, K.R., Poovey, M.: From Measuring Desire to Quantifying Expectations: A Late Nineteenth- Century Effort to Marry Economic Theory and Data. In: 'Raw data' is an oxymoron. MIT Press, Cambridge, Mass (2013).

70.

Helmond, A.: 'Raw data' is an oxymoron. *Information, Communication & Society*. 17, 1171–1173 (2014). <https://doi.org/10.1080/1369118X.2014.920042>.

71.

Arturo Escobar: After Nature Steps to an Antiessentialist Political Ecology. *Current Anthropology*. 40, 1–30 (1999).

72.

Büscher, B.: Nature 2.0: Exploring and theorizing the links between new media and nature conservation. *New Media & Society*. 18, 726–743 (2016).  
<https://doi.org/10.1177/1461444814545841>.

73.

Asdal, K.: Enacting things through numbers: Taking nature into account/ing. *Geoforum*. 39, 123–132 (2008). <https://doi.org/10.1016/j.geoforum.2006.11.004>.

74.

Kim Fortun: From Bhopal to the Informing of Environmentalism: Risk Communication in Historical Perspective. *Osiris*. 19, 283–296 (2004).

75.

Gabrys, J., Pritchard, H., Barratt, B.: Just good enough data: Figuring data citizenships through air pollution sensing and data stories. *Big Data & Society*. 3, (2016).  
<https://doi.org/10.1177/2053951716679677>.

76.

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

77.

Büscher, B.: Nature 2.0. *Geoforum*. 44, 1–3 (2013).  
<https://doi.org/10.1016/j.geoforum.2012.08.004>.

78.

Nadim, T.: Blind regards: Troubling data and their sentinels. *Big Data & Society*. 3, (2016). <https://doi.org/10.1177/2053951716666301>.

79.

Garnett, E.: Developing a feeling for error: Practices of monitoring and modelling air pollution data. *Big Data & Society*. 3, (2016). <https://doi.org/10.1177/2053951716658061>.

80.

Fortun, K., Poirier, L., Morgan, A., Costelloe-Kuehn, B., Fortun, M.: Pushback: Critical data designers and pollution politics. *Big Data & Society*. 3, (2016). <https://doi.org/10.1177/2053951716668903>.

81.

Dalsgaard, S.: The commensurability of carbon. *HAU: Journal of Ethnographic Theory*. 3, 80–98 (2013). <https://doi.org/10.14318/hau3.1.006>.

82.

Grebowicz, M.: Glacial Time and Lonely Crowds: The social effects of climate change as internet spectacle. *Environmental Humanities*. 5, 1–11 (2014).

83.

Stefan Helmreich: From Spaceship Earth to Google Ocean: Planetary Icons, Indexes, and Infrastructures. *Social Research*. 78, 1211–1242 (2011).

84.

McNally, R., Mackenzie, A., Hui, A., Tomomitsu, J.: Understanding the 'Intensive' in 'Data Intensive Research': Data Flows in Next Generation Sequencing and Environmental Networked Sensors. *International Journal of Digital Curation*. 7, 81–94 (2012). <https://doi.org/10.2218/ijdc.v7i1.216>.

85.

Gabrys, J.: Program earth: environmental sensing technology and the making of a computational planet. University of Minnesota Press, Minneapolis (2016).

86.

Lippert, I.: Environment as datascape: Enacting emission realities in corporate carbon accounting. *Geoforum*. 66, 126–135 (2015).  
<https://doi.org/10.1016/j.geoforum.2014.09.009>.

87.

Verran, H.: Number as Generative Device. In: Lury, C. and Wakeford, N. (eds.) *Inventive methods: the happening of the social*. Routledge, Abingdon (2014).

88.

Knox, H.: Carbon, Convertibility, and the Technopolitics of Oil. In: Appel, H., Mason, A., and Watts, M. (eds.) *Subterranean estates: life worlds of oil and gas*. Cornell University Press, Ithaca (2015).

89.

Richard Maxwell ; Jon Raundand Nina Lager Vestberg: Gabrys, J. (2015) Powering Ecologies: From Energy Ecologies to Electronic Environmentalism. In: *Media and the Ecological Crisis: Routledge research in cultural and media studies* 67.

90.

Sabina Leonelli: What Counts as Scientific Data? A Relational Framework. *Philosophy of Science*. 82, 810–821 (2015).

91.

Shackley, S., Wynne, B.: Representing Uncertainty in Global Climate Change Science and Policy: Boundary-Ordering Devices and Authority. *Science, Technology & Human Values*. 21, 275–302 (1996). <https://doi.org/10.1177/016224399602100302>.

92.

Fairhead, J., Leach, M., Scoones, I.: Green Grabbing: a new appropriation of nature? *Journal of Peasant Studies*. 39, 237–261 (2012). <https://doi.org/10.1080/03066150.2012.671770>.

93.

Lehning, M., Dawes, N., Bavay et. al., M.: Instrumenting the earth: Next-generation sensor networks and environmental science. In: *The fourth paradigm: data-intensive scientific discovery*. pp. 45–51. Microsoft Research, Redmond, Wash.

94.

Helmreich, S.: Blue-green Capital, Biotechnological Circulation and an Oceanic Imaginary: A Critique of Biopolitical Economy. *BioSocieties*. 2, 287–302 (2007). <https://doi.org/10.1017/S1745855207005753>.

95.

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, 375–397 (2010). <https://doi.org/10.1177/0308275X10372468>.

96.

Franklin, S.: Re-thinking nature-culture: Anthropology and the new genetics. *Anthropological Theory*. 3, 65–85 (2003). <https://doi.org/10.1177/1463499603003001752>.

97.

Rapp, R.: Big data, small kids: Medico-scientific, familial and advocacy visions of human brains. *BioSocieties*. (2015). <https://doi.org/10.1057/biosoc.2015.33>.

98.

Lupton, D.: Quantifying the body: monitoring and measuring health in the age of mHealth technologies. *Critical Public Health*. 23, 393–403 (2013). <https://doi.org/10.1080/09581596.2013.794931>.

99.

Greenfield, D. (2016) Deep Data: Notes on the n of 1. In 'Quantified: biosensing technologies in everyday life' ed. Dawn Nafus. MIT Press, <http://ieeexplore.ieee.org.libproxy.ucl.ac.uk/xpl/ebooks/bookPdfWithBanner.jsp?fileName=7580296.pdf&bkn=7580015&pdfType=chapter>.

100.

Emily Martin: The End of the Body? *American Ethnologist*. 19, 121–140 (1992).

101.

Tutton, R., Prainsack, B.: Enterprising or altruistic selves? Making up research subjects in genetics research. *Sociology of Health & Illness*. 33, 1081–1095 (2011). <https://doi.org/10.1111/j.1467-9566.2011.01348.x>.

102.

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

103.

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

104.

Sharp, L.A.: The Commodification of the Body and its Parts. *Annual Review of Anthropology*. 29, 287–328 (2000). <https://doi.org/10.1146/annurev.anthro.29.1.287>.

105.

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

106.

Beaulieu, A.: 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, 367–390 (2004).  
<https://doi.org/10.1016/j.shpsc.2004.03.011>.

107.

Singer, N.: From knowing yourself to prodding yourself. *The New York Times*. (2015).

108.

Strathern, M.: *After nature: English kinship in the late twentieth century*. Cambridge University Press, Cambridge (1992).

109.

Lupton, D.: The commodification of patient opinion: the digital patient experience economy in the age of big data. *Sociology of Health & Illness*. 36, 856–869 (2014).  
<https://doi.org/10.1111/1467-9566.12109>.

110.

Franklin, S.: *Biologization Re-visited: Kinship Theory*. In: *Relative values: reconfiguring kinship studies*. pp. 302–325. Duke University Press, Durham [N.C.] (2001).

111.

Helmreich, S.: *Kinship in Hypertext*. In: *Relative values: reconfiguring kinship studies*. pp. 116–143. Duke University Press, Durham, N.C. (2002).

112.

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).



113.

Fujimara, J.: The Practice of Producing Meaning in Bioinformatics. In: The practices of human genetics. pp. 49–87. Kluwer Academic, Dordrecht (1999).

114.

Rabinow, P.: Essays on the anthropology of reason. Princeton University Press, Princeton, N.J (1996).

115.

Gross, A.: The economy of social data: exploring research ethics as device. *The Sociological Review*. 59, 113–129 (2011).  
<https://doi.org/10.1111/j.1467-954X.2012.02055.x>.

116.

Van Dijck, J.: 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, 271–285 (2000).  
[https://doi.org/10.1016/S1369-8486\(99\)00020-5](https://doi.org/10.1016/S1369-8486(99)00020-5).

117.

Gerlitz, C., Lury, C.: Social media and self-evaluating assemblages: on numbers, orderings and values. *Distinktion: Scandinavian Journal of Social Theory*. 15, 174–188 (2014).  
<https://doi.org/10.1080/1600910X.2014.920267>.

118.

Kaufmann, M.: Resilience 2.0: social media use and (self-)care during the 2011 Norway attacks. *Media, Culture & Society*. 37, 972–987 (2015).  
<https://doi.org/10.1177/0163443715584101>.

119.

Nafus, D.: Stuck data, dead data, and disloyal data: the stops and starts in making numbers into social practices. *Distinktion: Scandinavian Journal of Social Theory*. 15, 208–222 (2014). <https://doi.org/10.1080/1600910X.2014.920266>.

120.

Strathern, M.: Chapter 5: Losing (out on) Intellectual Resources. In: *Kinship, Law and the Unexpected: Relatives are Always a Surprise*. pp. 111–134. Cambridge University Press, Cambridge (2005).

121.

Steinmetz, G.: Mitchell, T. (1999) *Society, Economy and the State Effect*. In *State/Culture: State Formation after the Cultural Turn*. In: *State/culture: state-formation after the cultural turn*. Cornell University Press, Ithaca, N.Y. (1999).

122.

Amoore, L.: *Biometric borders: Governing mobilities in the war on terror*. *Political Geography*. 25, 336–351 (2006). <https://doi.org/10.1016/j.polgeo.2006.02.001>.

123.

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

124.

*The World of Indicators* edited by Richard Rottenburg, <https://www-cambridge-org.libproxy.ucl.ac.uk/core/books/world-of-indicators/C7903E69E0329A256EF02C3CB5C918ED>.

125.

Birchall, C.: *Shareveillance: Subjectivity between open and closed data*. *Big Data & Society*. 3, (2016). <https://doi.org/10.1177/2053951716663965>.

126.

Adams, V.: *Metrics*. Duke University Press (2016). <https://doi.org/10.1215/9780822374480>.

127.

D. Haggerty, Richard V. Ericson, K.: The surveillant assemblage. *British Journal of Sociology*. 51, 605–622 (2000). <https://doi.org/10.1080/00071310020015280>.

128.

Sharma, A., Gupta, A.: 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*. Blackwell, Malden, Mass (2006).

129.

Universitetet i Oslo: *State formation: anthropological perspectives*. Pluto Press, London (2005).

130.

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

131.

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

132.

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

133.

Cheney-Lippold, J.: A New Algorithmic Identity. *Theory, Culture & Society*. 28, 164–181 (2011). <https://doi.org/10.1177/0263276411424420>.

134.

Roderick, L.: Discipline and Power in the Digital Age: The Case of the US Consumer Data Broker Industry. *Critical Sociology*. 40, 729–746 (2014).  
<https://doi.org/10.1177/0896920513501350>.

135.

Ruppert, E.: Population Objects: Interpassive Subjects. *Sociology*. 45, 218–233 (2011).  
<https://doi.org/10.1177/0038038510394027>.

136.

M'charek, A., Schramm, K., Skinner, D.: Topologies of Race. *Science, Technology, & Human Values*. 39, 468–487 (2014). <https://doi.org/10.1177/0162243913509493>.

137.

Gilles Deleuze: Postscript on the Societies of Control. *October*. 59, 3–7 (1992).

138.

Ruppert, E., Savage, M.: Transactional politics. *The Sociological Review*. 59, 73–92 (2011).  
<https://doi.org/10.1111/j.1467-954X.2012.02057.x>.

139.

Nafus, D ; Sherman, J: This One Does Not Go Up to 11: The Quantified Self Movement as an Alternative Big Data Practice.

140.

Lyon, D.: Surveillance, Snowden, and Big Data: Capacities, consequences, critique. *Big Data & Society*. 1, (2014). <https://doi.org/10.1177/2053951714541861>.

141.

LYON, D.: BIOMETRICS, IDENTIFICATION AND SURVEILLANCE. *Bioethics*. 22, 499–508

(2008). <https://doi.org/10.1111/j.1467-8519.2008.00697.x>.

142.

Evelyn Ruppert: Population Objects: Interpassive Subjects. *Sociology*. 45, 218–233 (2011).

143.

Lupton, D.: Self-tracking modes: reflexive self-monitoring and data practices, [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2483549](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2483549).

144.

Fuller, M., Goffey, A.: Leak early, leak often. In: *Evil media*. pp. 100–104. The MIT Press, Cambridge, Massachusetts (2012).

145.

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

146.

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

147.

Strathern, M.: Parts and wholes: refiguring relationships in a post-plural world. In: *Conceptualizing society*. pp. 75–106. Routledge, London (1992).

148.

Ruppert, E.: The Governmental Topologies of Database Devices. *Theory, Culture & Society*. 29, 116–136 (2012). <https://doi.org/10.1177/0263276412439428>.

149.

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

150.

Lyon, D.: Liquid Surveillance: The Contribution of Zygmunt Bauman to Surveillance Studies1. *International Political Sociology*. 4, 325–338 (2010).  
<https://doi.org/10.1111/j.1749-5687.2010.00109.x>.

151.

Anna Tsing: The Global Situation. *Cultural Anthropology*. 15, 327–360 (2000).

152.

Coopmans, C.: Visual analytics as artful revelation. In: Coopmans, C. (ed.) *Representation in scientific practice revisited*. The MIT Press, Cambridge, Massachusetts (2014).

153.

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

154.

Latour, B., Jensen, P., Venturini, T., Grauwin, S., Boullier, D.: 'The whole is always smaller than its parts' - a digital test of Gabriel Tarde's monads. *The British Journal of Sociology*. 63, 590–615 (2012). <https://doi.org/10.1111/j.1468-4446.2012.01428.x>.

155.

Lake, R.W.: Big Data, urban governance, and the ontological politics of hyperindividualism. *Big Data & Society*. 4, (2017). <https://doi.org/10.1177/2053951716682537>.

156.

Annelise Riles: Infinity within the Brackets. *American Ethnologist*. 25, 378–398 (1998).

157.

boyd, danah, Crawford, K.: CRITICAL QUESTIONS FOR BIG DATA. *Information, Communication & Society*. 15, 662–679 (2012).  
<https://doi.org/10.1080/1369118X.2012.678878>.

158.

Seaver, N.: The nice thing about context is that everyone has it. *Media, Culture & Society*. 37, 1101–1109 (2015). <https://doi.org/10.1177/0163443715594102>.

159.

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, 52–66 (2001).

160.

Boellstorff, T., Maurer, B. eds: Boellstorff, T. (2015) *Making Big Data*,. In: *Data, now bigger and better!* Prickly Paradigm Press, Chicago (2015).

161.

Abramson, Allen. (2016) *What in/is the world in/of Big Data? Theorizing the Contemporary*, Cultural Anthropology.

162.

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

163.

Kitchin, R.: Big Data, new epistemologies and paradigm shifts. *Big Data & Society*. 1, (2014). <https://doi.org/10.1177/2053951714528481>.

164.

Strathern, M.: *Partial connections*. AltaMira Press, Walnut Creek, CA (2004).

165.

Strathern, M.: *Environments within: An ethnographic commentary on scale*. In: *Culture, landscape, and the environment: the Linacre lectures, 1997*. pp. 44–71. Oxford University Press, Oxford (2000).

166.

Strathern, M.: *On Space and Depth*. In: *Complexities: social studies of knowledge practices*. Duke University Press, Durham (2002).

167.

Marr, B.: *The Difference Between Big Data and a Lot of Data*, <http://data-informed.com/>.

168.

Marcus, G.: *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*. pp. 28–46. Wiley-Blackwell, Chichester, West Sussex (2010).

169.

Couldry, N., Powell, A.: *Big Data from the bottom up*. *Big Data & Society*. 1, (2014). <https://doi.org/10.1177/2053951714539277>.

170.

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



171.

Bowker, G.C.: The Theory/Data Thing. *International Journal of Communication*. 8, (2014).

172.

Beer, D., Burrows, R.: Popular Culture, Digital Archives and the New Social Life of Data. *Theory, Culture & Society*. 30, 47–71 (2013). <https://doi.org/10.1177/0263276413476542>.

173.

Riles, A.: *The network inside out: Annelise Riles*. University of Michigan Press, Ann Arbor (2001).

174.

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). <https://doi.org/10.4324/9781315673974.ch4>.

175.

Seaver, N.: Algorithms as culture: Some tactics for the ethnography of algorithmic systems. *Big Data & Society*. 4, (2017). <https://doi.org/10.1177/2053951717738104>.

176.

Mackenzie, A.: These Things Called Systems. *Social Studies of Science*. 33, 365–387 (2003). <https://doi.org/10.1177/03063127030333003>.

177.

Candea, M.: Arbitrary locations: in defence of the bounded field-site. *Journal of the Royal Anthropological Institute*. 13, 167–184 (2007). <https://doi.org/10.1111/j.1467-9655.2007.00419.x>.

178.

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

179.

Boellstorff, T.: Rethinking Digital Anthropology. In: *Digital anthropology*. Berg, London (2012).

180.

Jackson Jr., J.L.: Ethnography is, ethnography ain't. *Cultural Anthropology*. 27, 480–497.  
<https://doi.org/10.1111/j.1548-1360.2012.01155.x>.

181.

Strathern, M.: Chapter 1. In: *Property, substance and effect: anthropological essays on persons and things*. Athlone, London (1999).

182.

Kelty, C., Coleman, G., Strassler, K.: 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](http://www.culanth.org/curated_collections/8-the-digital-form/discussions/15-commentary-and-discussion-on-the-digital-form-curated-collection).

183.

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, 1–14 (2008).

184.

MARCUS, G.E.: THE LEGACIES OF WRITING CULTURE AND THE NEAR FUTURE OF THE ETHNOGRAPHIC FORM: A Sketch. *Cultural Anthropology*. 27, 427–445 (2012).

<https://doi.org/10.1111/j.1548-1360.2012.01152.x>.

185.

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, 52–66 (2001).

186.

Strathern, M.: *The Limits of Auto-anthropology*. In: *Anthropology at home*. pp. 16–37. Tavistock Publications, London (1987).

187.

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

188.

Faubion, J.D., Marcus, G.E.: *Fieldwork is not what it used to be: learning anthropology's method in a time of transition*. Cornell University Press, Ithaca (2009).

189.

Marres, N., Weltevrede, E.: Scraping the social? *Journal of Cultural Economy*. 6, 313–335 (2013). <https://doi.org/10.1080/17530350.2013.772070>.

190.

Blok, A., Pedersen, M.A.: Complementary social science? Quali-quantitative experiments in a Big Data world. *Big Data & Society*. 1, (2014). <https://doi.org/10.1177/2053951714543908>.

191.

Anderson, K., Nafus, D., Rattenbury, T., Aipperspach, R.: Numbers Have Qualities Too:

Experiences with Ethno-Mining. *Ethnographic Praxis in Industry Conference Proceedings*. 2009, 123–140 (2009). <https://doi.org/10.1111/j.1559-8918.2009.tb00133.x>.

192.

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

193.

Mike Savage and Roger Burrows: The Coming Crisis of Empirical Sociology. *Sociology*. 41, 885–899 (2007).

194.

Nafus, D.: Data, Data, Everywhere, but Who Gets to Interpret It? | EPIC,  
<https://www.epicpeople.org/data-data-everywhere/>.

195.

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

196.

Ford, H.: Big Data and Small: Collaborations between ethnographers and data scientists. *Big Data & Society*. 1, (2014). <https://doi.org/10.1177/2053951714544337>.

197.

» Abildegaard et al (2017) Five recent play dates - EASST,  
<https://easst.net/article/five-recent-play-dates/>.

198.

Publications | Sciences Po | MedialabSciences Po | Medialab,

<http://www.medialab.sciences-po.fr/publication/>.