

BIBLIOGRAPHY

Agnew, John. "Representing Space: Space, Scale, and Culture in Social Science." In *Place/Culture/Representation*, edited by James S. Duncan and David Ley, 251–272. New York: Routledge, 2013.

Agre, Philip E. *Computation and Human Experience*. New York: Cambridge University Press, 1997.

Albright, Jonathan. "Itemized Posts and Historical Engagement: 6 Now-Closed FB Pages." Accessed December 9, 2017. https://public.tableau.com/views/FB4/TotalReachbyPage?%3Aembed=y&%3AshowVizHome=no&%3Adisplay_count=y&%3Adisplay_static_image=y&%3AbootstrapWhenNotified=true.

Ali, Christopher. *Media Localism: The Policies of Place*. Urbana: University of Illinois Press, 2017.

Ananny, Mike, and Niall Winters. "Designing for Development: Understanding One Laptop per Child in Its Historical Context." In *Information and Communication Technologies and Development*, 1–12. New York: Institute for Electrical and Electronics Engineers, 2007.

Anderson, Chris. "The End of Theory: The Data Deluge Makes the Scientific Method Obsolete." WIRED, June 23, 2008. <http://www.wired.com/2008/06/pb-theory/>.

Anderson, Kyle, Dilys Griffiths, Leon Debell, Simon Hancock, Jeffrey P. Duffy, Jamie D. Shutler, Wolfgang Reinhardt, and Alison L. Griffiths. "A Grassroots Remote Sensing Toolkit Using Live Coding, Smartphones, Kites, and Lightweight Drones." *PLoS One* 11, no. 5 (May 4, 2016): e0151564.

Anti-Eviction Mapping Project. "About." Accessed December 7, 2017. <https://www.antievictionmap.com/about/>.

Armstrong, Stephen. "The People Making the On-Demand Economy Work." WIRED, December 2015. <http://www.wired.co.uk/article/on-demand-economy-airbnb-uber-taskrabbit>.

Atkinson, Rowland. "Does Gentrification Help or Harm Urban Neighbourhoods?: An Assessment of the Evidence-Base in the Context of the New Urban Agenda." ESRC Centre for Neighbourhood Research, June 2002. <http://neighbourhoodchange.ca/wp-content/uploads/2011/06/Atkinson-2002-Gentrification-Review.pdf>.

"The Atlanta BeltLine Project." *Atlanta BeltLine* (blog). Accessed May 10, 2018. <https://beltline.org/about/the-atlanta-beltline-project/>.

Barad, Karen. *Meeting the Universe Halfway: Quantum Physics and the Entanglement of Matter and Meaning*. Durham, NC: Duke University Press, 2007.

Bardzell, Jeffrey, and Shaowen Bardzell. "What Is 'Critical' about Critical Design?" In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, 3297–3306. New York: ACM, 2013.

Battles, Matthew. *Library: An Unquiet History*. New York: W. W. Norton and Company, 2003.

Battles, Matthew. *Tree: Object Lessons*. London: Bloomsbury Academic, 2017.

- Battles, Matthew, and Yanni Alexander Loukissas. "Data Artefacts: Tracking Knowledge-Ordering Conflicts through Visualization." In *Classification and Visualization: Interfaces to Knowledge*, edited by Aida Slavic, Salah Almila Akdag, and Sylvie Davies, 243–258. Würzburg: Ergon Verlag, 2013.
- Baudrillard, Jean. *Simulacra and Simulation*. Translated by Sheila Faria Glaser. Ann Arbor: University of Michigan Press, 1984.
- Bearne, Suzanne. "Is the 'Gig Economy' Turning Us All into Freelancers?" BBC News, May 20, 2016. <http://www.bbc.com/news/business-36321826>.
- Bellacasa, Maria Puig de la. "Matters of Care in Technoscience: Assembling Neglected Things." *Social Studies of Science* 41, no. 1 (February 1, 2011): 85–106.
- Bellacasa, Maria Puig de la. *Matters of Care: Speculative Ethics in More Than Human Worlds*. Minneapolis: University of Minnesota Press, 2017.
- Belsky, Scott. "The Interface Layer: Where Design Commoditizes Tech." *Medium* (blog), May 30, 2014. <https://medium.com/positiveslope/the-interface-layer-when-design-commoditizes-tech-e7017872173a>.
- Benedikt, Michael. *Cyberspace: First Steps*. Cambridge, MA: MIT Press, 1991.
- Benkler, Yochai, Robert Faris, and Hal Roberts. "Study: Breitbart-Led Right-Wing Media Ecosystem Altered Broader Media Agenda." *Columbia Journalism Review*, March 3, 2017. <https://www.cjr.org/analysis/breitbart-media-trump-harvard-study.php>.
- Berners-Lee, Tim, Robert Cailliau, Ari Luotonen, Henrik Frystyk Nielsen, and Arthur Secret. "The World-Wide Web." *Communications of the ACM* 37, no. 8 (August 1994): 76–82.
- Bijker, Wiebe E. *Of Bicycles, Bakelites, and Bulbs: Toward a Theory of Sociotechnical Change*. Cambridge, MA: MIT Press, 1995.
- Binder, Jeffrey M. "Alien Reading: Text Mining, Language Standardization, and the Humanities." In *Debates in the Digital Humanities*, edited by Matthew K. Gold and Lauren F. Klein, 201–217. Minneapolis: University of Minnesota Press, 2016.
- Bird, Steven, Ewan Klein, and Edward Loper. "Preface." In *Natural Language Processing with Python*. Accessed June 12, 2017. <http://www.nltk.org/book/ch00.html>.
- Boczkowski, Pablo J. *Digitizing the News: Innovation in Online Newspapers*. Cambridge, MA: MIT Press, 2005.
- Boczkowski, Pablo J., and Zizi Papacharissi, eds. *Trump and the Media*. Cambridge, MA: MIT Press, 2018.
- Bogost, Ian. *Persuasive Games: The Expressive Power of Videogames*. Cambridge, MA: MIT Press, 2010.
- Boguraev, Bran, Ted Briscoe, John Carroll, David Carter, and Claire Grover. "The Derivation of a Grammatically Indexed Lexicon from the Longman Dictionary of Contemporary English." In *Proceedings of the 25th Annual Meeting on Association for Computational Linguistics*, 193–200. Stroudsburg, PA: Association for Computational Linguistics, 1987.

- Borges, Jorge Luis. *Collected Fictions*. Translated by Andrew Hurley. New York: Penguin Books, 1999.
- Borgman, Christine L. *Big Data, Little Data, No Data: Scholarship in the Networked World*. Cambridge, MA: MIT Press, 2015.
- Borkin, Michelle A., Azalea A. Vo, Zoya Bylinskii, Phillip Isola, Shashank Sunkavalli, Aude Oliva, and Hanspeter Pfister. "What Makes a Visualization Memorable?" *IEEE Transactions on Visualization and Computer Graphics* 19, no. 12 (December 2013): 2306–2315.
- Bowker, Geoffrey. "Biodiversity Datadiversity." *Social Studies of Science* 30, no. 5 (October 1, 2000): 643–683.
- Bowker, Geoffrey. *Memory Practices in the Sciences*. Cambridge, MA: MIT Press, 2006.
- Bowker, Geoffrey, and Susan Leigh Star. *Sorting Things Out: Classification and Its Consequences*. Cambridge, MA: MIT Press, 1999.
- boyd, danah. *It's Complicated: The Social Lives of Networked Teens*. New Haven, CT: Yale University Press, 2014.
- boyd, danah, and Kate Crawford. "Critical Questions for Big Data." *Information Communication and Society* 15, no. 5 (June 1, 2012): 662–679.
- Bratton, Benjamin H. *The Stack: On Software and Sovereignty*. Cambridge, MA: MIT Press, 2016.
- Brock, André. "From the Blackhand Side: Twitter as a Cultural Conversation." *Journal of Broadcasting and Electronic Media* 56, no. (2012): 529–549.
- Brown, Vincent. "Mapping a Slave Revolt: Visualizing Spatial History through the Archives of Slavery." *Social Text* 33, no. 4 (December 1, 2015): 134–141.
- Brown, Vincent. "Slave Revolt in Jamaica, 1760–1761: A Cartographic Narrative." Accessed May 15, 2018. <http://revolt.axismaps.com/>.
- Buckland, Michael K. "Information as Thing." *Journal of the American Society for Information Science* 42, no. 5 (June 1, 1991): 351–360.
- Buell, Lawrence. *The Future of Environmental Criticism: Environmental Crisis and Literary Imagination*. Hoboken, NJ: John Wiley and Sons, 2009.
- Buolamwini, Joy, and Timnit Gebru. "Gender Shades: Intersectional Accuracy Disparities in Commercial Gender Classification." In *Conference on Fairness, Accountability, and Transparency*, 77–91. 2018. <http://proceedings.mlr.press/v81/buolamwini18a.html>.
- Bush, Vannevar. "As We May Think." *Atlantic*, July 1945. <http://www.theatlantic.com/magazine/archive/1945/07/as-we-may-think/303881/>.
- Cadwalladr, Carole. "Google, Democracy, and the Truth about Internet Search." *Guardian*, December 4, 2016, Technology sec. <https://www.theguardian.com/technology/2016/dec/04/google-democracy-truth-internet-search-facebook>.
- Call, Rob, Denechia Powell, and Sarah Heck. "Blackstone: Atlanta's Newest Landlord," April 2014. <https://righttothecity.org/blackstone-atlantas-newest-landlord/>.

- Castells, Manuel. *The Information Age: Economy, Society, and Culture*. Vol. 1 of *The Rise of the Network Society*. 2nd ed. Chichester, UK: Wiley-Blackwell, 2009.
- Cetina, Karin Knorr. *Epistemic Cultures: How the Sciences Make Knowledge*. Cambridge, MA: Harvard University Press, 1999.
- Chalabi, Mona. "Data Is' vs. 'Data Are.'" *FiveThirtyEight*, March 17, 2014. <https://fivethirtyeight.com/features/data-is-vs-data-are/>.
- Chan, Anita Say. *Networking Peripheries: Technological Futures and the Myth of Digital Universalism*. Cambridge, MA: MIT Press, 2016.
- Confessore, Nicholas, and Daisuke Wakabayashi. "How Russia Harvested American Rage to Reshape U.S. Politics." *New York Times*, October 9, 2017, Technology sec. <https://www.nytimes.com/2017/10/09/technology/russia-election-facebook-ads-rage.html>.
- Cosgrove, Denis. *Geography and Vision: Seeing, Imagining, and Representing the World*. London: I. B. Tauris, 2008.
- Costanza-Chock, Sasha, and Pablo Rey-Mazón. "PageOneX: New Approaches to Newspaper Front Page Analysis." *International Journal of Communication* 10, no. 0 (April 28, 2016): 2318–2345.
- Cotter, Holland. "The Met Reimagines the American Story." *New York Times*, January 15, 2012. <http://www.nytimes.com/2012/01/16/arts/design/metropolitan-museum-of-arts-new-american-wing-galleries-review.html>.
- Crampton, Jeremy W., and John Krygier. "An Introduction to Critical Cartography." *ACME: An International E-Journal for Critical Geographies* 4 (July 16, 2010).
- Crampton, Jeremy W. *Mapping: A Critical Introduction to Cartography and GIS*. Hoboken, NJ: John Wiley and Sons, 2011.
- Crawford, Kate. "The Anxieties of Big Data." *New Inquiry* (blog), May 30, 2014. <https://thenewinquiry.com/the-anxieties-of-big-data/>.
- Cresswell, Tim. *In Place/Out of Place*. Minneapolis: University of Minnesota Press, 1996.
- Culler, Jonathan. "The Closeness of Close Reading." *ADE Bulletin* 149 (January 1, 2010): 20–25.
- Dalton, Craig, and Jim Thatcher. "What Does a Critical Data Studies Look Like, and Why Do We Care?" *Society and Space—Environment and Planning D* (blog), 2014. <http://societyandspace.org/2014/05/12/what-does-a-critical-data-studies-look-like-and-why-do-we-care-craig-dalton-and-jim-thatcher/>.
- Darton, Robert. "Jefferson's Taper: A National Digital Library." *New York Review of Books*, November 24, 2011. <http://www.nybooks.com/articles/2011/11/24/jeffersons-taper-national-digital-library/>.
- Del Tredici, Peter. *Wild Urban Plants of the Northeast: A Field Guide*. Ithaca, NY: Cornell University Press, 2010.
- Del Tredici, Peter, and Alice Kitajima. "Finding a Replacement for the Eastern Hemlock: Research at the Arnold Arboretum." *Arnoldia*, no. 63 (2) (2004): 33–39.
- Desmond, Matthew. *Evicted*. New York: Crown, 2016.

- Dewey, John. *The Public and Its Problems*. New York: Henry Holt and Company, 1927.
- Dey, Anind K. "Understanding and Using Context." *Personal and Ubiquitous Computing* 5, no. 1 (January 2001): 4–7.
- Diakopoulos, Nicholas. "Algorithmic Accountability: On the Investigation of Black Boxes." Tow Center for Digital Journalism, December 3, 2014. <https://towcenter.org/research/algorithmic-accountability-on-the-investigation-of-black-boxes-2/>.
- Diakopoulos, Nicholas, and Sorelle Friedler. "We Need to Hold Algorithms Accountable—Here's How to Do It." *MIT Technology Review*, November 17, 2016. <https://www.technologyreview.com/s/602933/how-to-hold-algorithms-accountable/>.
- "Digital Public Library of America Strategic Plan, 2015 through 2017." January 2015. <https://pro.dp.la/about-dpla-pro/strategic-plan>.
- D'Ignazio, Catherine, and Lauren F. Klein. "Feminist Data Visualization." IEEE InfoViz Workshop, 2017.
- DiSalvo, Carl. *Adversarial Design*. Cambridge, MA: MIT Press, 2012.
- Dosemagen, Shannon, Jeffrey Warren, and Sara Wylie. "Grassroots Mapping: Creating a Participatory Map-Making Process Centered on Discourse." *Public Laboratory* (blog). Accessed December 7, 2017. <http://www.joaap.org/issue8/GrassrootsMapping.htm>.
- Douglas, Mary. *Purity and Danger: An Analysis of the Concepts of Pollution and Taboo*. New York: Routledge and Kegan Pau, 1978.
- Dourish, Paul. "Re-Space-Ing Place: 'Place' and 'Space' Ten Years On." In *Proceedings of the 2006 20th Anniversary Conference on Computer Supported Cooperative Work*, 299–308. New York: ACM, 2006.
- Dourish, Paul. *The Stuff of Bits*. Cambridge, MA: MIT Press, 2017.
- Dourish, Paul. "What We Talk about When We Talk about Context." *Personal and Ubiquitous Computing* 8, no. 1 (February 2004): 19–30.
- Dourish, Paul. *Where the Action Is*. Cambridge, MA: MIT Press, 2001.
- Downey, Gregory J. "Making Media Work: Time, Space, Identity, and Labor in the Analysis of Information and Communication Infrastructures." In *Media Technologies: Essays on Communication, Materiality, and Society*, edited by Tarleton Gillespie, Pablo J. Boczkowski, and Kirsten A. Foot, 141–166. Cambridge, MA: MIT Press, 2014.
- "DPLA Metadata Application Profile." Accessed December 18, 2017. <https://dp.la/info/developers/map/>.
- Drucker, Johanna. *Graphesis: Visual Forms of Knowledge Production*. Cambridge, MA: Harvard University Press, 2014.
- Drucker, Johanna. "Humanities Approaches to Graphical Display." *Digital Humanities Quarterly* 5, no. 1 (2011). <http://www.digitalhumanities.org/dhq/vol/5/1/000091/000091.html>.
- "Dublin Core Metadata Initiative." Accessed December 18, 2017. <http://www.dublincore.org/>.

Dunne, Anthony. *Hertzian Tales: Electronic Products, Aesthetic Experience, and Critical Design*. Cambridge, MA: MIT Press, 2008.

Dunne, Anthony, and Fiona Raby. *Design Noir: The Secret Life of Electronic Objects*. London: Birkhäuser, 2001.

Dunne, Anthony, and Fiona Raby. *Speculative Everything: Design, Fiction, and Social Dreaming*. Cambridge, MA: MIT Press, 2013.

Edwards, Paul N. *A Vast Machine: Computer Models, Climate Data, and the Politics of Global Warming*. Cambridge, MA: MIT Press, 2010.

Edwards, Paul N., Matthew S. Mayernik, Archer L. Batcheller, Geoffrey C. Bowker, and Christine L. Borgman. "Science Friction: Data, Metadata, and Collaboration." *Social Studies of Science* 41, no. 5 (2011): 667–690.

Eisenstein, Jacob. "What to Do about Bad Language on the Internet." In *Proceedings of the 2013 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*, 359–369. Stroudsburg, PA: Association for Computational Linguistics, 2013.

Elmborg, James. "Critical Information Literacy: Implications for Instructional Practice." *Journal of Academic Librarianship* 32, no. 2 (March 2006): 192–199.

Eubanks, Virginia. *Automating Inequality: How High-Tech Tools Profile, Police, and Punish the Poor*. New York: St. Martin's Press, 2018.

Fake News Challenge. Accessed December 9, 2017. <http://www.fakenewschallenge.org/>.

Fiegerman, Seth, and Dylan Byers. "Facebook, Twitter, Google Testify before Congress." CNNMoney, October 31, 2017. <http://money.cnn.com/2017/10/31/media/facebook-twitter-google-congress/index.html>.

Fillmore, Charles. "Encounters with Language." *Computational Linguistics* 38, no. 4 (December 2012): 701–718.

Finn, Ed. *What Algorithms Want: Imagination in the Age of Computing*. Cambridge, MA: MIT Press, 2018.

Fortun, Kim, and Michael Fortun. "Scientific Imaginaries and Ethical Plateaus in Contemporary U.S. Toxicology." *American Anthropologist* 107, no. 1 (January 7, 2008): 43–54.

Foucault, Michel. *The Archaeology of Knowledge: And the Discourse on Language*. New York: Pantheon Books, 1972.

Frampton, Kenneth. "Towards a Critical Regionalism: Six Points for an Architecture of Resistance." In *Postmodern Culture*, edited by Hal Foster. 16–30. London: Pluto, 2001.

Frankfurt, Harry G. *On Bullshit*. Princeton, NJ: Princeton University Press, 2005.

"From Herndon Homes to Two Georgia Domes: 100 Years of Westside History." Georgia Tech, Ivan Allen College of Liberal Arts. Accessed July 12, 2018. <http://www.iac.gatech.edu/news-events/events/2015/11/herndon-homes-georgia-domes-100-years-westside-history/472161>.

- Fry, Ben. *Visualizing Data: Exploring and Explaining Data with the Processing Environment*. Sebastopol, CA: O'Reilly Media, 2008.
- Gabrys, Jennifer. *Program Earth: Environmental Sensing Technology and the Making of a Computational Planet*. Minneapolis: University of Minnesota Press, 2016.
- Gabrys, Jennifer, Helen Pritchard, and Benjamin Barratt. "Just Good Enough Data: Figuring Data Citizenships through Air Pollution Sensing and Data Stories." *Big Data and Society* 3, no. 2 (December 1, 2016). <https://doi.org/10.1177/2053951716679677>.
- Galison, Peter. "Limits of Localism: The Scale of Sight." In *What Reason Promises: Essays on Reason, Nature, and History*, edited by Wendy Doniger, Peter Galison, and Susan Neiman, 155–170. Berlin: De Gruyter, 2016.
- Galison, Peter, and Emily Thompson, eds. *The Architecture of Science*. Cambridge, MA: MIT Press, 1999.
- Galloway, Alexander R. *The Interface Effect*. Cambridge, UK: Polity, 2012.
- Gebru, Timnit, Jamie Morgenstern, Briana Vecchione, Jennifer Wortman Vaughan, Hanna Wallach, Hal Daumeé III, and Kate Crawford. "Datasheets for Datasets." March 23, 2018. <http://arxiv.org/abs/1803.09010>.
- Geertz, Clifford. *Available Light: Anthropological Reflections on Philosophical Topics*. Princeton, NJ: Princeton University Press, 2012.
- Geertz, Clifford. *The Interpretation of Cultures: Selected Essays*. New York: Basic Books, 1973.
- Geertz, Clifford. "Local Knowledge and Its Limits." *Yale Journal of Criticism* 5, no. 2 (1992): 129–135.
- Geertz, Clifford. *Local Knowledge: Further Essays in Interpretive Anthropology*. New York: Basic Books, 2008.
- Gibson, William. *Neuromancer*. New York: Ace, 1984.
- Gieryn, Thomas F. "A Space for Place in Sociology." *Annual Review of Sociology* 26, no. 1 (August 2000): 463–496.
- Gillespie, Tarleton. "The Relevance of Algorithms." In *Media Technologies: Essays on Communication, Materiality, and Society*, edited by Tarleton Gillespie, Pablo J. Boczkowski, and Kirsten A. Foot, 167–194. Cambridge, MA: MIT Press, 2014.
- Gillespie, Tarleton, Pablo J. Boczkowski, and Kirsten A. Foot, eds. *Media Technologies: Essays on Communication, Materiality, and Society*. Cambridge, MA: MIT Press, 2014.
- Gitelman, Lisa, ed. *"Raw Data" Is an Oxymoron*. Cambridge, MA: MIT Press, 2013.
- Gnoli, C. "Metadata about What? Distinguishing between Ontic, Epistemic, and Documental Dimensions in Knowledge Organizations." *Knowledge Organization* 39, no. 4 (January 1, 2012): 268–275.
- Goffman, Erving. *The Presentation of Self in Everyday Life*. New York: Anchor, 1959.
- Gordon, Eric, and Paul Mihailidis, eds. *Civic Media: Technology, Design, Practice*. Cambridge, MA: MIT Press, 2016.

- Gradeck, Bob. "Data User Guides." Western Pennsylvania Regional Data Center. Accessed December 7, 2017. <https://www.wprdc.org/data-user-guides/>.
- Graeber, David. *Toward an Anthropological Theory of Value: The False Coin of Our Own Dreams*. New York: Palgrave, 2016.
- Graham, Stephen. "The End of Geography or the Explosion of Place? Conceptualizing Space, Place, and Information Technology." *Progress in Human Geography* 22, no. 2 (April 1, 1998): 165–185.
- Gusterson, Hugh. *Nuclear Rites: A Weapons Laboratory at the End of the Cold War*. Berkeley: University of California Press, 1998.
- Hacking, Ian. "A Tradition of Natural Kinds." *Philosophical Studies: An International Journal for Philosophy in the Analytic Tradition* 61, no. 1–2 (1991): 109–126.
- Haffner, Jeanne. *The View from Above: The Science of Social Space*. Cambridge, MA: MIT Press, 2013.
- Hall, Peter. "Critical Visualization." In *Design and the Elastic Mind*, edited by Paola Antonelli, 120–131. New York: Museum of Modern Art, 2008.
- Halpern, Orit. *Beautiful Data: A History of Vision and Reason since 1945*. Durham, NC: Duke University Press, 2015.
- Hanan, Joshua S. "Home Is Where the Capital Is: The Culture of Real Estate in an Era of Control Societies." *Communication and Critical/Cultural Studies* 7, no. 2 (June 1, 2010): 176–201.
- Hancox, Peter. "A Brief History of NLP." Accessed December 6, 2017. http://www.cs.bham.ac.uk/~pjh/sem1a5/pt1/pt1_history.html.
- Haraway, Donna. "Situated Knowledges: The Science Question in Feminism and the Privilege of Partial Perspective." *Feminist Studies* 14, no. 3 (1988): 575–599.
- Harding, Sandra G. "Is Science Multicultural?: Challenges, Resources, Opportunities, Uncertainties." *Configurations* 2, no. 2 (May 1, 1994): 301–330.
- Hayles, N. Katherine. *How We Became Posthuman: Virtual Bodies in Cybernetics, Literature, and Informatics*. Chicago: University of Chicago Press, 2008.
- Hookway, Branden. *Interface*. Cambridge, MA: MIT Press, 2014.
- Housing Justice League, and Research|Action Cooperative. "BeltLining: Gentrification, Broken Promises, and Hope on Atlanta's Southside." October 2017.
- Houston, Keith. "The Mysterious Origins of Punctuation." BBC News, September 2, 2015. <http://www.bbc.com/culture/story/20150902-the-mysterious-origins-of-punctuation>.
- Houston, Laura, and Steven Jackson. "Caring for the Next Billion Mobile Handsets: Opening Proprietary Closures through the Work of Repair." In *Proceedings of ACM Information and Communication Technologies for Development*. Ann Arbor: ACM, 2016.
- Hovy, Dirk, and Shannon L. Spruit. "The Social Impact of Natural Language Processing." In *Annual Meeting of the Association for Computational Linguistics: Proceedings of the Conference*, 591–598. Berlin: ACL, 2016.

Howard, Jennifer. "Book Lovers Record Traces of 19th-Century Readers." Blog. *Chronicle of Higher Education*, May 5, 2014. <https://www.chronicle.com/blogs/wiredcampus/book-lovers-record-traces-of-19th-century-readers/52415>.

Howell, David. "How Accurate Is Zillow's Zestimate? Not Very, Says One Washington-Area Agent." *Washington Post*, June 10, 2014. <https://www.washingtonpost.com/news/where-we-live/wp/2014/06/10/how-accurate-is-zillows-zestimate-not-very-says-one-washington-area-agent>.

HUD. "United States Department of Housing and Urban Development (HUD)." Accessed December 7, 2017. https://www.hud.gov/program_offices/comm_planning/affordablehousing.

Humphries, Stan. "How Accurate Is the Zestimate? Zillow Says the Tool Is Helpful When Used the Right Way." *Washington Post*, March 10, 2014. <https://www.washingtonpost.com/news/where-we-live/wp/2014/06/10/how-accurate-is-the-zestimate-zillow-says-the-tool-is-helpful-when-used-the-right-way>.

Immergluck, Dan, and Tharunya Balan. "Sustainable for Whom? Green Urban Development, Environmental Gentrification, and the Atlanta Beltline." *Urban Geography* 39, no. 4 (April 21, 2018): 546–562.

Immergluck, Dan, Ann Carpenter, and and Abram Lueders. "Declines in Low-Cost Rented Housing Units in Eight Large Southeastern Cities." Federal Reserve Bank of Atlanta, Community and Economic Development Department, 2016.

Irani, Lilly, Janet Vertesi, Paul Dourish, Kavita Philip, and Rebecca E. Grinter. "Postcolonial Computing: A Lens on Design and Development." In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, 1311–1320. New York: ACM, 2010.

Jackson, Katie. "Columbus under Construction to Become America's First 'Smart City.'" Fox News, July 10, 2016. <http://www.foxnews.com/tech/2017/07/10/columbus-under-construction-to-become-americas-first-smart-city.html>.

Jaenicke, Stefan, and Greta Franzini. "On Close and Distant Reading in Digital Humanities: A Survey and Future Challenges. A State-of-the-Art (STAR) Report." 2015.

Jones, Karen Spärck. "Natural Language Processing: A Historical Review." In *Current Issues in Computational Linguistics: In Honour of Don Walker*, 3–16. Dordrecht: Springer, 1994.

Kalay, Yehuda E., and John Marx. "The Role of Place in Cyberspace." In *Proceedings of the Seventh International Conference on Virtual Systems and Multimedia (VSMM'01)*, 770–779. Washington: IEEE Computer Society, 2001.

Karadkar, Unmil P., Audrey Altman, Mark Breedlove, and Mark Matienzo. "Introduction to the Digital Public Library of America API." In *2016 IEEE/ACM Joint Conference on Digital Libraries*, 285–286. Toronto: IEEE, 2016.

Kay, Alan, and Adele Goldberg. "Personal Dynamic Media." *Computer* 10, no. 3 (1977): 31–47.

Keller, Evelyn Fox. *Making Sense of Life: Explaining Biological Development with Models, Metaphors, and Machines*. Cambridge, MA: Harvard University Press, 2003.

Kirk, Andy. *Data Visualization: A Handbook for Data Driven Design*. Los Angeles: SAGE Publications, 2016.

Kirschenbaum, Matthew G. *Mechanisms: New Media and the Forensic Imagination*. Cambridge, MA: MIT Press, 2012.

Kitchin, Rob. "Big Data, New Epistemologies, and Paradigm Shifts." *Big Data and Society* 1, no. 1 (April 1, 2014): 1–12.

Kitchin, Rob. *The Data Revolution: Big Data, Open Data, Data Infrastructures, and Their Consequences*. Thousand Oaks, CA: SAGE Publications, 2014.

Kitchin, Rob, and Martin Dodge. *Code/Space: Software and Everyday Life*. Cambridge, MA: MIT Press, 2011.

Kitchin, Rob, Justin Gleeson, and Martin Dodge. "Unfolding Mapping Practices: A New Epistemology for Cartography." *Transactions of the Institute of British Geographers* 38, no. 3 (July 1, 2013): 480–496.

Kitchin, Rob, and Tracey P. Lauriault. "Towards Critical Data Studies: Charting and Unpacking Data Assemblages and Their Work." SSRN Scholarly Paper. Rochester, NY: Social Science Research Network, July 30, 2014. <http://papers.ssrn.com/abstract=2474112>.

Kitchin, Rob, and Gavin McArdle. "What Makes Big Data, Big Data? Exploring the Ontological Characteristics of 26 Datasets." *Big Data and Society* 3, no. 1 (February 17, 2016): 1–10.

Klein, Lauren F. "The Image of Absence: Archival Silence, Data Visualization, and James Hemings." *American Literature* 85, no. 4 (December 1, 2013): 661–688.

Kleinman, Zoe. "Artificial Intelligence: How to Avoid Racist Algorithms." BBC News, April 14, 2017, Technology sec. <http://www.bbc.com/news/technology-39533308>.

Kovach, Bill, and Tom Rosenstiel. *The Elements of Journalism: What Newspeople Should Know and the Public Should Expect, Completely Updated and Revised*. New York: Three Rivers Press, 2007.

Kurgan, Laura. *Close Up at a Distance: Mapping, Technology, and Politics*. New York: Zone Books, 2013.

Landaw, Laura. "Atlanta Declared Renters State of Emergency." July 13, 2016. http://www.housingjusticeleague.org/atlanta_declared_a_renter_s_state_of_emergency.

Lands, LeeAnn. *Culture of Property: Race, Class, and Housing Landscapes in Atlanta, 1880–1950*. Athens: University of Georgia Press, 2009.

Latour, Bruno. "Drawing Things Together." In *Representation in Scientific Practice*, edited by Michael Lynch and Stephen Woolgar, 19–68. Cambridge, MA: MIT Press, 1990.

Latour, Bruno. *Reassembling the Social: An Introduction to Actor-Network-Theory*. Oxford: Oxford University Press, 2008.

Latour, Bruno. *Science in Action: How to Follow Scientists and Engineers through Society*. Cambridge, MA: Harvard University Press, 1987.

Latour, Bruno, and Steve Woolgar. *Laboratory Life: The Social Construction of Scientific Facts*. Beverly Hills, CA: SAGE Publications, 1979.

Law, John, and Ruth Benschop. "Resisting Pictures: Representation, Distribution, and Ontological Politics." *Sociological Review* 45, no. S1 (May 1, 1997): 158–182.

Law, John, and Annemarie Mol. "Situating Technoscience: An Inquiry into Spatialities." *Environment and Planning D: Society and Space* 19, no. 5 (October 1, 2001): 609–621.

Le Corbusier, and Frederick Etchells. *Towards a New Architecture*. Eastford, CT: Martino Publishing, 2014.

LeDantec, Christopher. "Infrastructuring and the Formation of Publics in Participatory Design." *Social Studies of Science* 43, no. 2 (2013): 241–264.

LeFurgy, Bill. "Digging into a Slice of Digital History." *The Signal* (blog), January 11, 2012. <https://blogs.loc.gov/thesignal/2012/01/digging-into-a-slice-of-digital-history/>.

Leurs, Koen. "Feminist and Postcolonial Data Analysis. Using Digital Methods for Ethical, Reflexive, and Situated Socio-Cultural Research." *International Politics Review* 115, no. 1 (March 1, 2017): 130–154.

Lewis, Britt. "ASU, MIT to Develop New Approaches to Library Print Collections." *Exploring Value of Print in the Digital Age | ASU Now: Access, Excellence, Impact* (blog), March 14, 2017. <https://asunow.asu.edu/20170314-solutions-exploring-value-print-digital-age>.

Lewis, Michael. *The Big Short: Inside the Doomsday Machine*. London: Allen Lane, 2010.

Lievrouw, Leah A. "Materiality and Media in Communication and Technology Studies." In *Media Technologies: Essays on Communication, Materiality, and Society*, edited by Tarleton Gillespie, Pablo J. Boczkowski, and Kirsten A. Foot, 21–53. Cambridge, MA: MIT Press, 2014.

Livingstone, David. *Putting Science in Its Place*. Chicago: University of Chicago Press, 2003.

Lohr, Steve. "The Age of Big Data." *New York Times*, February 11, 2012, Sunday Review sec. http://www.nytimes.com/2012/02/12/sunday-review/big-datas-impact-in-the-world.html?_r=1.

Loukissas, Yanni Alexander. "All the Homes: Zillow and the Operational Context of Data." In *Transforming Digital Worlds: iConference 2018*, edited by Gobinda Chowhury, Julie McLeod, Val Gillet, and Peter Willett, 272–281. Cham, Switzerland: Springer, 2018.

Loukissas, Yanni Alexander. *Co-Designers: Cultures of Computer Simulation in Architecture*. London: Routledge, 2012.

Loukissas, Yanni Alexander. "Keepers of the Geometry." In *Simulation and Its Discontents*, edited by Sherry Turkle, 153–170. Cambridge, MA: MIT Press, 2009.

Loukissas, Yanni Alexander. "A Place for Big Data: Close and Distant Readings of Accessions Data from the Arnold Arboretum." *Big Data and Society* 3, no. 2 (December 1, 2016). <https://doi.org/10.1177/2053951716661365>.

Loukissas, Yanni Alexander. "Taking Big Data Apart: Local Readings of Composite Media Collections." *Information Communication and Society* 20, no. 5 (May 4, 2017): 651–664.

Loukissas, Yanni Alexander, Jason Maron, Marco Zenati, and David Mindell. "Redesigning Post-operative Review." In *IEEE Healthcare Technology Conference Proceedings*. Houston: IEEE, 2012.

- Loukissas, Yanni Alexander, and David Mindell. "Visual Apollo: A Graphical Exploration of Computer-Human Relationships." *Design Issues* 30, no. 2 (April 1, 2014): 4–16.
- Loukissas, Yanni Alexander, and Anne Pollock. "After Big Data Failed: The Enduring Allure of Numbers in the Wake of the 2016 US Election." *Engaging Science, Technology, and Society* 3, no. 0 (February 17, 2017): 16–20.
- Lupi, Giorgia, and Stefanie Posavec. *Dear Data*. Princeton, NJ: Princeton Architectural Press, 2016.
- Lupi, Giorgia, and Stefanie Posavec. *Dear Data*. Accessed May 17, 2018. <http://www.dear-data.com>.
- Lynch, Michael. *Art and Artifact in Laboratory Science: A Study of Shop Work and Shop Talk in a Research Laboratory*. London: Routledge and Kegan Paul, 1985.
- Manovich, Lev. "Database as Symbolic Form." *Convergence* 5, no. 2 (June 1, 1999): 80–99.
- Manovich, Lev. *The Language of New Media*. Cambridge, MA: MIT Press, 2002.
- Marcus, Mitchell P., Mary Ann Marcinkiewicz, and Beatrice Santorini. "Building a Large Annotated Corpus of English: The Penn Treebank." *Computational Linguistics* 19, no. 2 (June 1993): 313–330.
- Marwick, Alice E, and danah boyd. "Networked Privacy: How Teenagers Negotiate Context in Social Media." *New Media and Society* 16, no. 7 (November 1, 2014): 1051–1067. <https://doi.org/10.1177/1461444814543995>.
- Matienzo, Mark, and Amy Rudersdorf. "The Digital Public Library of America Ingestion Ecosystem: Lessons Learned After One Year of Large-Scale Collaborative Metadata Aggregation," 12–23. 2014.
- Mattern, Shannon. "Methodolatry and the Art of Measure." *Places Journal*, November 5, 2013. <https://doi.org/10.22269/131105>.
- Mayernik, Matthew S., Archer L. Batcheller, and Christine L. Borgman. "How Institutional Factors Influence the Creation of Scientific Metadata." In *Proceedings of the 2011 iConference*, 417–425. New York: ACM, 2011.
- Mayer-Schoenberger, Viktor, and Kenneth Neil Cukier. "The Rise of Big Data." *Foreign Affairs*, September 15, 2015. <https://www.foreignaffairs.com/articles/2013-04-03/rise-big-data>.
- McLuhan, Marshall. *Understanding Media*. London: Sphere, 1967.
- Mendes, Jeremy, and Leanne Allison. "Bear 71 VR." Accessed December 7, 2017. <https://bear71vr.nfb.ca/>.
- Mindell, David. *Digital Apollo: Human and Machine in Spaceflight*. Cambridge, MA: MIT Press, 2008.
- Mitchell, William J. *City of Bits: Space, Place, and the Infobahn*. Cambridge, MA: MIT Press, 1995.
- Mitchell, William J. *Me++: The Cyborg Self and the Networked City*. Cambridge, MA: MIT Press, 2004.
- Mody, Cyrus C. M. "A Little Dirt Never Hurt Anyone: Knowledge-Making and Contamination in Materials Science." *Social Studies of Science* 31, no. 1 (February 1, 2001): 7–36.

- Mol, Annemarie. *The Body Multiple: Ontology in Medical Practice*. Durham, NC: Duke University Press, 2003.
- Morozov, Evgeny. "The Rise of Data and the Death of Politics." *Guardian*, July 19, 2014, Technology sec. <https://www.theguardian.com/technology/2014/jul/20/rise-of-data-death-of-politics-evgeny-morozov-algorithmic-regulation>.
- Muller, Jerry. *The Tyranny of Metrics*. Princeton, NJ: Princeton University Press, 2018.
- Murray, Janet H. *Hamlet on the Holodeck*. Cambridge, MA: MIT Press, 1998.
- Murray, Janet H., Sergio Goldenberg, Kartik Agarwal, Abraham Doris-Down, Pradyut Pokuri, Nachiketas Ramanujam, and Tarun Chakravorty. "StoryLines: An Approach to Navigating Multisequential News and Entertainment in a Multiscreen Framework." In *Proceedings of the 8th International Conference on Advances in Computer Entertainment Technology*, 92:1–92:2. New York: ACM, 2011.
- Nagel, Thomas. *The View from Nowhere*. New York: Oxford University Press, 1986.
- Nasukawa, Tetsuya, and Jeonghee Yi. "Sentiment Analysis: Capturing Favorability Using Natural Language Processing." In *Proceedings of the 2nd International Conference on Knowledge Capture*, 70–77. New York: ACM, 2003.
- "Natural Language Toolkit—NLTK 3.2.5 Documentation." Accessed December 6, 2017. <http://www.nltk.org/>.
- Negroponete, Nicholas. *Being Digital*. New York: Knopf, 1995.
- Negroponete, Nicholas. "One Laptop per Child." *Economist*, November 18, 2005. <https://www.economist.com/node/5134619>.
- Nelson, Theodore H. "Complex Information Processing: A File Structure for the Complex, the Changing, and the Indeterminate." In *Proceedings of the 1965 20th National Conference*, 84–100. New York: ACM, 1965.
- Nelson, Theodore H., and Stewart Brand. *Computer Lib/Dream Machines*. Rev. ed. Redmond, CA: Tempus Books, 1987.
- Nextdoor. Accessed December 18, 2017. <https://nextdoor.com/>.
- Ng, Andrew. "What Is Machine Learning?" Coursera. Accessed December 10, 2017. <https://www.coursera.org/learn/machine-learning/lecture/Ujm7v/what-is-machine-learning>.
- Nissenbaum, Helen, Daniel C. Howe, and Mushon Zer-Aviv. "AdNauseam—Clicking Ads So You Don't Have To." Accessed April 29, 2018. <http://adnauseam.io>.
- Noble, Safiya. *Algorithms of Oppression: How Search Engines Reinforce Racism*. New York: NYU Press, 2018.
- Norman, Donald A. *The Design of Everyday Things*. New York: Basic Books, 2002.
- Nye, David E. *American Technological Sublime*. Cambridge, MA: MIT Press, 1996.
- Office of the Director of National Intelligence. "Joint DHS, ODNI, FBI Statement on Russian Malicious Cyber Activity." December 29, 2016. <https://www.dni.gov/index.php/newsroom/press>

-releasespress-releases-2016item/1616-joint-dhs-odni-fbi-statement-on-russian-malicious-cyber-activity?highlight=WyJydXNzaWFuliwicnVzc2lhbniXQ==.

O'Neil, Cathy. *Weapons of Math Destruction: How Big Data Increases Inequality and Threatens Democracy*. New York: Crown, 2016.

O'Neil, Kathy, and Rachel Schutt. *Doing Data Science: Straight Talk from the Frontline*. Sebastopol, CA: O'Reilly Media, 2013.

Ortner, Sherry B. *Anthropology and Social Theory: Culture, Power, and the Acting Subject*. Durham, NC: Duke University Press, 2006.

Palfrey, John, and Urs Gasser. *Interop: The Promise and Perils of Highly Interconnected Systems*. New York: Basic Books, 2012.

Pang, Bo, Lillian Lee, and Shivakumar Vaithyanathan. "Thumbs Up?: Sentiment Classification Using Machine Learning Techniques." In *Proceedings of the ACL-02 Conference on Empirical Methods in Natural Language Processing—Volume 10*, 79–86. Stroudsburg, PA: Association for Computational Linguistics, 2002.

Papert, Seymour. *Mindstorms: Children, Computers, and Powerful Ideas*. New York: Basic Books, 1980.

Pariser, Eli. *The Filter Bubble: How the New Personalized Web Is Changing What We Read and How We Think*. New York: Penguin Books, 2012.

Parsons, Talcott. *The Social System*. Florence, MA: Free Press, 1951.

Pasquale, Frank. *The Black Box Society: The Secret Algorithms That Control Money and Information*. Cambridge, MA: Harvard University Press, 2015.

Passi, Samir, and Steven Jackson. "Data Vision: Learning to See through Algorithmic Abstraction." In *Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing*, 2436–2457. New York: ACM, 2017.

Pettit, Kathryn L. S., and Audrey Drosch. "A Guide to Home Mortgage Disclosure Act Data." Urban Institute, June 4, 2016. <https://www.urban.org/research/publication/guide-home-mortgage-disclosure-act-data>.

Piaget, Jean. *The Psychology of Intelligence*. New York: Routledge, 1950.

Pierce, James, Phoebe Sengers, Tad Hirsch, Tom Jenkins, William Gaver, and Carl DiSalvo. "Expanding and Refining Design and Criticality in HCI." In *Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems*, 2083–2092. New York: ACM, 2015.

Poncsek, Sarah, and Lu Wei. "The 10 Most Unequal Cities in America." Accessed December 7, 2017. <https://www.bloomberg.com/news/articles/2016-10-05/miami-is-the-newly-crowned-most-unequal-city-in-the-u-s>.

Porter, Theodore M. *Trust in Numbers: The Pursuit of Objectivity in Science and Public Life*. Princeton, NJ: Princeton University Press, 2001.

Posner, Miriam, and Lauren F. Klein. "Data as Media." *Feminist Media Histories* 3, no. 3 (July 1, 2017): 1–8.

"Public Lab: A DIY Environmental Science Community." Accessed December 5, 2017. <https://publiclab.org/>.

Ralph, Grishman. "Information Extraction: Capabilities and Challenges. Notes Prepared for the 2012 International Winter School in Language and Speech Technologies, Rovira I Virgili University, Tarragona, Spain," January 21, 2012. <https://cs.nyu.edu/grishman/tarragona.pdf>.

Ramirez, Edith, Julie Brill, Maureen K. Ohlhausen, Joshua D. Wright, and Terrell McSweeney. "Data Brokers: A Call for Transparency and Accountability." US Federal Trade Commission, May 2014.

Rascoff, Spencer, and Stan Humphries. *Zillow Talk: Rewriting the Rules of Real Estate*. New York: Grand Central Publishing, 2015.

Ratto, Matt. "Critical Making: Conceptual and Material Studies in Technology and Social Life." *Information Society* 27, no. 4 (July 2011): 252–260.

Ray, Sarah Jaquette. "Rub Trees, Crittercams, and GIS: The Wired Wilderness of Leanne Allison and Jeremy Mendes' Bear 71." *Green Letters* 18, no. 3 (September 2, 2014): 236–253.

Rhodes, Margaret. "This Guy Obsessively Recorded His Private Data for 10 Years." WIRED, October 19, 2015. <https://www.wired.com/2015/10/nicholas-felton-obsessively-recorded-his-private-data-for-10-years/>.

Ribes, David. "The Rub and Chafe of Maintenance and Repair." *Continent* 6, no. 1 (March 23, 2017): 71–76.

Ribes, David, and Thomas A. Finholt. "The Long Now of Technology Infrastructure: Articulating Tensions in Development," *Journal of the Association for Information Systems* 10, no. 5 (2009): 375–398.

Richtel, Matt. "How Big Data Is Playing Recruiter for Specialized Workers." *New York Times*, April 27, 2013, Technology sec. <https://www.nytimes.com/2013/04/28/technology/how-big-data-is-playing-recruiter-for-specialized-workers.html>.

"Rise of the Corporate Landlord." Accessed May 9, 2018. <https://righttothecity.org/cause/rise-of-the-corporate-landlord/>.

Robertson, Adi. "OLPC's \$100 Laptop Was Going to Change the World—Then It All Went Wrong." *Verge*, April 16, 2018. <https://www.theverge.com/2018/4/16/17233946/olpcs-100-laptop-education-where-is-it-now>.

Robinson, Arthur H. *The Look of Maps*. Madison: University of Wisconsin Press, 1952.

Rogers, Will. "Wall Street Journal." *Encyclopedia Britannica*. Accessed December 6, 2017. <https://www.britannica.com/>.

Rowe, Colin. *The Mathematics of the Ideal Villa and Other Essays*. Cambridge, MA: MIT Press, 2009.

Ruotolo, Kristin Jensen, Andrew Stauffer, Ivey Glendon, Jennifer Roper, and Kara McClurken. "Book Traces @ UVA." Report. University of Virginia, July 26, 2017. https://libraopen.lib.virginia.edu/public_view/cv43nw88q.

- Safire, William. "Location, Location, Location." *New York Times*, June 26, 2009, Magazine sec. <https://www.nytimes.com/2009/06/28/magazine/28FOB-onlanguage-t.html>.
- Schivelbusch, Wolfgang. *The Railway Journey: The Industrialization of Time and Space in the 19th Century*. Berkeley: University of California Press, 1986.
- Shneiderman, Ben. "The Big Picture for Big Data: Visualization." *Science* 343, no. 6172 (February 14, 2014): 730. <https://doi.org/10.1126/science.343.6172.730-a>.
- Schön, Donald A. *The Reflective Practitioner: How Professionals Think in Action*. New York: Basic Books, 1983.
- Seaver, Nick. "Algorithms as Culture: Some Tactics for the Ethnography of Algorithmic Systems." *Big Data and Society* 4, no. 2 (December 1, 2017): 1–12.
- Seaver, Nick. "Knowing Algorithms." In *Media in Transition* 8, 2013. <http://nickseaver.net/s/seaverMIT8.pdf>.
- Seaver, Nick. "The Nice Thing about Context Is That Everyone Has It." *Media Culture & Society* 37, no. 7 (August 24, 2015): 1101–1109.
- Sengers, Phoebe, Kirsten Boehner, Shay David, and Joseph "Jofish" Kaye. "Reflective Design." In *Proceedings of the 4th Decennial Conference on Critical Computing: Between Sense and Sensibility*, 49–58. New York: ACM, 2005.
- Simmons, Joseph P., Leif D. Nelson, and Uri Simonsohn. "False-Positive Psychology: Undisclosed Flexibility in Data Collection and Analysis Allows Presenting Anything as Significant." *Psychological Science* 22, no. 11 (November 1, 2011): 1359–1366.
- Simon, Herbert Alexander. *The Sciences of the Artificial*. Cambridge, MA: MIT Press, 1996.
- Sismondo, Sergio. "Models, Simulations, and Their Objects." *Science in Context* 12, no. 2 (1999): 247–260.
- Small, Bridget. *FTC Report Examines Data Brokers*. Federal Trade Commission, 2014. <https://www.consumer.ftc.gov/blog/ftc-report-examines-data-brokers>.
- Smart Chicago Collaborative. "Crime and Punishment in Chicago." Accessed May 1, 2018. crime-punishment.smartchicagoapps.org/index.html.
- Snopes. Accessed December 10, 2017. <https://www.snopes.com/>.
- "Stanford CoreNLP—Natural Language Software | Stanford CoreNLP." Accessed April 23, 2018. <https://stanfordnlp.github.io/CoreNLP/index.html>.
- Star, Susan Leigh, and James R. Griesemer. "Institutional Ecology, 'Translations,' and Boundary Objects: Amateurs and Professionals in Berkeley's Museum of Vertebrate Zoology, 1907–39." *Social Studies of Science* 19, no. 3 (1989): 387–420.
- Star, Susan Leigh, and Karen Ruhleder. "Steps toward an Ecology of Infrastructure: Design and Access for Large Information Spaces." *Information Systems Research* 7, no. 1 (March 1, 1996): 111–134.
- Steen, Francis, and Mark B. Turner. "Multimodal Construction Grammar." SSRN Scholarly Paper. Rochester, NY: Social Science Research Network, October 29, 2012.

- Strauss, Valerie. "34 Problems with Standardized Tests." *Washington Post*, April 19, 2017. <https://www.washingtonpost.com/news/answer-sheet/wp/2017/04/19/34-problems-with-standardized-tests/>.
- Suchman, Lucille. *Human-Machine Reconfigurations: Plans and Situated Actions*. New York: Cambridge University Press, 2007.
- Taub, Amanda, and Max Fisher. "Where Countries Are Tinderboxes and Facebook Is a Match." *New York Times*, April 21, 2018, Asia Pacific sec. <https://www.nytimes.com/2018/04/21/world/asia/facebook-sri-lanka-riots.html>.
- Taylor, Ann, Mitchell Marcus, and Beatrice Santorini. "The Penn Treebank: An Overview." In *Treebanks: Building and Using Parsed Corpora*, edited by Anne Abeillé, 5–22. Dordrecht: Springer, 2003.
- Thatcher, Jim, David O'Sullivan, and Dillon Mahmoudi. "Data Colonialism through Accumulation by Dispossession: New Metaphors for Daily Data." *Environment and Planning D: Society and Space* 34, no. 6 (December 1, 2016): 990–1006.
- Thorp, Jer. "A Sort of Joy." July 28, 2015. <https://medium.com/memo-random/a-sort-of-joy-1d9d5ff02ac9#.kcpo7fvlh>.
- Timberg, Craig. "Russian Propaganda May Have Been Shared Hundreds of Millions of Times, New Research Says." *Washington Post*, October 5, 2017, Switch sec. <https://www.washingtonpost.com/news/the-switch/wp/2017/10/05/russian-propaganda-may-have-been-shared-hundreds-of-millions-of-times-new-research-says/>.
- Tonnies, Ferdinand, and Charles Price Loomis. *Community and Society*. North Chelmsford, MA: Courier Corporation, 1957.
- Totty, Michael. "The Rise of the Smart City." *Wall Street Journal*, April 16, 2017. <https://www.wsj.com/articles/the-rise-of-the-smart-city-1492395120>.
- Townsend, Anthony. *Smart Cities: Big Data, Civic Hackers, and the Quest for a New Utopia*. New York: W. W. Norton and Company, 2014.
- "Treebank-3—Linguistic Data Consortium." Accessed May 14, 2018. <https://catalog.ldc.upenn.edu/ldc99t42>.
- Tronto, Joan C. *Moral Boundaries: A Political Argument for an Ethic of Care*. London: Psychology Press, 1993.
- "Trump to CNN Reporter: You Are Fake News." CNBC, January 11, 2017. <https://www.cnn.com/video/2017/01/11/trump-to-cnn-reporter-you-are-fake-news.html>.
- Tufte, Edward R. *The Visual Display of Quantitative Information*. 2nd ed. Cheshire, UK: Graphics Press, 1983.
- Turkle, Sherry. *Life on the Screen: Identity in the Age of the Internet*. New York: Simon and Schuster, 1995.
- Turkle, Sherry. *Simulation and Its Discontents*. Cambridge, MA: MIT Press, 2009.
- Turkle, Sherry, and Seymour Papert. "Epistemological Pluralism: Styles and Voices within the Computer Culture." *Signs* 16, no. 1 (1990): 128–157.

- Turkle, Sherry, and Donald Schön. "The Athena Project." Massachusetts Institute of Technology, May 1988.
- Turnbull, David. "Local Knowledge and Comparative Scientific Traditions." *Knowledge and Policy* 6, no. 3–4 (September 1, 1993): 29–54.
- Turner, Fred. "Actor-Networking the News." *Social Epistemology* 19, no. 4 (2005): 321–324.
- Uber. Accessed December 18, 2017. <https://www.uber.com/>.
- "UCLA Library NewsScape." Accessed May 16, 2018. <http://tvnews.library.ucla.edu/>.
- University of California at Berkeley, College of Environmental Design. "The Data Made Me Do It." March 13, 2015. <https://ced.berkeley.edu/events-media/events/2015-studio-one-symposium>.
- University of Texas at Austin, Texas Advanced Computing Center. "The Future of Search Engines: Researchers Combine Artificial Intelligence, Crowdsourcing, and Supercomputers to Develop Better, and More Reasoned, Information Extraction and Classification Methods." *ScienceDaily*. Accessed December 7, 2017. <https://www.sciencedaily.com/releases/2017/08/170803100019.htm>.
- Vertesi, Janet, and Paul Dourish. "The Value of Data: Considering the Context of Production in Data Economies." In *Proceedings of the ACM 2011 Conference on Computer Supported Cooperative Work*, 533–542. New York: ACM, 2011.
- Vertesi, Janet, David Ribes, Laura Forlano, Yanni Alexander Loukissas, and Marisa Leavitt Cohn. "Engaging, Designing, and Making Digital Systems." In *The Handbook of Science and Technology Studies*, edited by Ulrike Felt, Rayvon Fouché, Clark A. Miller, and Laurel Smith-Doerr, 169–194. 4th ed. Cambridge, MA: MIT Press, 2016.
- Victor, Daniel. "Trump's Victory, on Front Pages Worldwide." *New York Times*, November 9, 2016, Business Day sec. <https://www.nytimes.com/2016/11/10/business/media/trumps-victory-on-front-pages-worldwide.html>.
- Wagner, Alex. "The Americans Our Government Won't Count." *New York Times*, April 2, 2018, Opinion sec. <https://www.nytimes.com/2018/03/30/opinion/sunday/united-states-census.html>.
- Wall Street Journal*. "2016 Presidential Election Calendar." September 10, 2015. <http://graphics.wsj.com/elections/2016/calendar/>.
- Watson-Verran, Helen, and David Turnbull. "Knowledge Systems as Assemblages of Local Knowledge." In *Handbook of Science and Technology Studies*, edited by Sheila Jasanoff, Gerald E. Markle, James C. Peterson, and Trevor Pinch, 115–139. Thousand Oaks, CA: SAGE Publications, 1995.
- Watzman, Nancy. "Internet Archive TV News Lab: Introducing Face-O-Matic, Experimental Slack Alert System Tracking Trump, and Congressional Leaders on TV News." *Internet Archive Blogs* (blog), July 19, 2017. <https://blog.archive.org/2017/07/19/introducing-face-o-matic/>.
- "Wayback Machine." June 14, 1997. <https://web.archive.org/web/19970614160127/http://www.cis.upenn.edu:80/~treebank>.
- Weizenbaum, Joseph. "Computer Power and Human Reason." In *The New Media Reader*, edited by Noah Wardrip-Fruin and Nick Montfort, 367–376. Cambridge, MA: MIT Press, 2003.

Wilson, Matthew W. *New Lines: Critical GIS and the Trouble of the Map*. Minneapolis: University of Minnesota Press, 2017.

Wood, Denis, and John Fels. *The Natures of Maps: Cartographic Constructions of the Natural World*. Chicago: University of Chicago Press, 2008.

Wyer, Mary, Mary Barbercheck, Donna Cookmeyer, Hatice Ozturk, and Marta L. Wayne, eds. *Women, Science, and Technology: A Reader in Feminist Science Studies*. 2nd ed. New York: Routledge, 2008.

Yelp. Accessed December 18, 2017. <https://www.yelp.com/>.

"Zillow: Real Estate, Apartments, Mortgages, and Home Values." Accessed December 18, 2017. <http://www.zillow.com>.

Zimmerman, Ann S. "New Knowledge from Old Data: The Role of Standards in the Sharing and Reuse of Ecological Data." *Science, Technology, and Human Values* 33, no. 5 (September 1, 2008): 631–652.

Zuckerman, Ethan. *Digital Cosmopolitans: Why We Think the Internet Connects Us, Why It Doesn't, and How to Rewire It*. New York: W. W. Norton and Company, 2015.

Zukin, Sharon, Scarlett Lindeman, and Laurie Hurson. "The Omnivore's Neighborhood? Online Restaurant Reviews, Race, and Gentrification." *Journal of Consumer Culture* 17, no. 3 (October 14, 2015): 459–479.

