

## References

- Aakster, Laurens L., & Keur, Ron (2012). Big data: Too big to ignore. What organizations can learn from the American presidential elections. *Compact*, 2: 1–8.
- Adami, Christoph (1995). Self-organized criticality in living systems. *Physics Letter A*, 203(1): 29–32.
- Adams, Douglas (2009). *The hitchhiker's guide to the galaxy*. London: Macmillan.
- Adams, Pauline A., & Adams, Joe K. (1960). Confidence in the recognition and reproduction of words difficult to spell. *American Journal of Psychology*, 73(4): 544–552.
- Adee, Sarah (2008). The data: 37 Years of Moore's Law. *IEEE Spectrum*, 45(5): 56–56.
- Adler, Mortimer J. (1986). *A guidebook to learning: For a lifelong pursuit of wisdom*. London: Macmillan.
- Agrawal, Divyakant, El Abbadi, Amr, Arora, Vaibhav, Budak, Ceren, Georgiou, Theodore, Mahmoud, Hatem A., Nawab, Faisal, Sahin, Cetin, & Wang, Shiyuan (2015). Mind your Ps and Vs: A perspective on the challenges of big data management and privacy concerns. *International Conference on Big Data and Smart Computing (BigComp)*, Jeju, South Korea, 1–6.
- Ahalt, Stan, & Kelly, Kip (2013). *The big data talent gap*. UNC Kenan-Flagler Business School White Paper, 1–15.
- Aiden, Erez, & Michel, Jean-Baptiste (2013). *Uncharted. Big data as a lens on human culture*. New York: Riverhead.
- Alavi, Maryam, & Leidner, Dorothy E. (2001). Knowledge management and knowledge management systems: Conceptual foundations and research issues. *MIS Quarterly*, 25(1): 107–136.
- Aldrich, Howard (1979). *Organizations and environments*. Englewood Cliffs, NJ: Prentice Hall.
- Aldrich, Howard, McKelvey, Bill, & Ulrich, Dave (1984). Design strategy from the population perspective. *Journal of Management*, 10(1): 67–86.
- Allan, George (2003). A critique of using grounded theory as a research method. *Electronic Journal of Business Research Methods*, 2(1): 1–10.
- Allison, Graham T. (1969). Conceptual models and the Cuban missile crisis. *American Political Science Review*, 63(3): 689–718.
- Alvesson, Mats, & Kärreman, Dan (2011). Decolonializing discourse: Critical reflections on organizational discourse analysis. *Human Relations*, 64(9): 1121–1146.
- Amaral, Luis A. N., & Uzzi, Brian. (2007). Complex systems—a new paradigm for the integrative study of management, physical, and technological systems. *Management Science*, 53(7): 1033–1035.

- Amendola, Aniello (2002). Recent paradigms for risked informed decision making. *Safety Science*, 40(1):17–30.
- Amin, Ash (1994). *Post-Fordism: A reader*. Oxford: Blackwell.
- Amoore, Louise, & Piotukh, Volha (2015). Life beyond big data: Governing with little analytics. *Economy and Society*, 44(3): 341–366.
- Andersen, P. Bøgh (1994). The semiotics of autopoiesis. A catastrophe-theoretic approach. *Cybernetics & Human Knowing*, 2(4): 17–38.
- Andersen, Ross (2015). The most mysterious star in our galaxy, <http://www.theatlantic.com/science/archive/2015/10/the-most-interesting-star-in-our-galaxy/410023/>, last accessed 25 April 2016.
- Anderson, Chris (2008). The end of theory: The data deluge makes the scientific method obsolete, [http://archive.wired.com/science/discoveries/magazine/16-07/pb\\_theory](http://archive.wired.com/science/discoveries/magazine/16-07/pb_theory), last accessed 26 April 2016.
- Anderson, Chris, & Sally, David (2013). *The numbers game: Why everything you know about football is wrong*. London: Penguin.
- Anderson, Janna Q., & Rainie, Lee (2012). Big data: Experts say new forms of information analysis will help people be more nimble and adaptive, but worry over humans' capacity to understand and use these new tools well. Washington, D.C.: Pew Research Center.
- Anderson, Philip (1999). Perspective: Complexity theory and organization science. *Organization Science*, 10(3): 216–232.
- Anderson, Philip., Meyer, Alan, Eisenhardt, Kathleen, Carley, Kathleen, & Pettigrew, Andrew (1999). Introduction to the special issue: Applications of complexity theory to organization science. *Organization Science*, 10(3): 233–236.
- Andrejevic, Mark (2014). Big data, big questions: The big data divide. *International Journal of Communication*, 8: 1673–1689.
- Andriani, Pierpaolo, & Cohen, Jack (2013). From exaptation to radical niche construction in biological and technological complex systems. *Complexity*, 18(5): 7–14.
- Andriani, Pierpaolo, & McKelvey, Bill (2009). Perspective-from Gaussian to Paretian thinking: causes and implications of power laws in organizations. *Organization Science*, 20(6): 1053–1071.
- Andriopoulos, Constantine, & Lewis, Marianne W. (2009). Exploitation-exploration tensions and organizational ambidexterity: Managing paradoxes of innovation. *Organization Science*, 20(4): 696–717.
- Angrave, D., Charlwood, A., Kirkpatrick, I., Lawrence, M., & Stuart, M. (2016). HR and analytics: why HR is set to fail the big data challenge. *Human Resource Management Journal*, 26(1): 1–11.

- Ansolabehere, Stephen, & Hersh, Eitan (2012). Validation: What big data reveal about survey misreporting and the real electorate. *Political Analysis*, 20(4): 4, 437–459.
- Aradau, Claudia, & Blanke, Tobias (2015). ‘The (big) data-security assemblage: Knowledge and critique’. *Big Data & Society*, 2(2): 1–12.
- Arel, Itamar, Rose, Derek C. & Karnowski, Thomas P. (2010). Deep machine learning – A new frontier in artificial intelligence research. *IEEE Computational Intelligence Magazine*, 5(4): 13–18.
- Argyris, Chris, & Schön, Donald A. (1996). *Organizational learning: Theory, method and practice*. Reading, MA: Addison-Wesley.
- Arjoon, Surendra (2005). Corporate governance: An ethical perspective. *Journal of Business Ethics*, 61(4): 343–352.
- Arkin, Ronald C. (1990). The impact of cybernetics on the design of a mobile robot system: A case study. *IEEE Transactions on Systems, Man and Cybernetics*, 20(6): 1245–1257.
- Armenakis, Achilles A., Harris, Stanley G., & Mossholder, Kevin W. (1993). Creating readiness for organizational change. *Human Relations*, 46(6): 681–703.
- Armstrong, Michael (2014). *Armstrong’s handbook of human resource management*. London: Kogan Page.
- Armstrong, J. Scott (2012). Predicting job performance: The Moneyball factor. *Foresight: The International Journal of Applied Forecasting*, 25(Spring): 31–34.
- Arnott, David (2006). Cognitive biases and decision support systems development: A design science approach. *Information Systems Journal*, 16(1): 55–78.
- Ashby, W. Ross (1952). *Design for a brain*. New York: Wiley.
- Ashby, W. Ross (1956). *An introduction to cybernetics*. London: Methuen.
- Asimov, Isaac (1951). *Foundation*. New York: Gnome Press.
- Asimov, Isaac (2000). *Foundation. Foundation and empire. Second foundation*. New York: Everyman’s Library.
- Atzmueller, Martin, Ernst, Andreas, Krebs, Friedrich, Scholz, Christoph, & Stumme, Gerd (2016). Formation and temporal evolution of social groups during coffee breaks. 5th International Workshop on Mining Ubiquitous and Social Environments. Revised Selected Papers, 90–108.
- Azuma, Ronald T. (1997). A survey of augmented reality. *Presence: Teleoperators and Virtual Environments*, 6(4): 355–385.
- Baehr, Peter (2001). The “iron cage” and the “shell as hard as steel”: Parsons, Weber, and the Stahlhartes Gehäuse metaphor in the Protestant ethic and the spirit of capitalism. *History and Theory*, 40(2): 153–169.
- Bager, Jo (2006). Der Datenkrake. *c’t – magazin*, 23: 168–171.

- Baggaley, Jon (2010). The luddite revolt continues. *Distance Education*, 31(3): 337–343.
- Bagley, Philip R. (1968). *Extension of programming language concepts*. Philadelphia: University City Science Center.
- Bainbridge, William S. (2006). Cyberimmortality: Science, religion, and the battle to save our souls. *The Futurist*, 40(2): 25–29.
- Bak, Per (1996). *How nature works. The science of self-organized criticality*. New York: Copernicus.
- Bak, Per, Tang, Chao, & Wiesenfeld, Kurt (1988). Self-organized criticality. An explanation of  $1/f$  noise. *Physical Review Letters*, 59(4): 381–384.
- Bak, Per, Tang, Chao, & Wiesenfeld, Kurt (1988). Self-organized criticality. *Physical Review A*, 38(1): 364–374.
- Baker, Chris (2008). Meet Leland Chee, the Star Wars franchise continuity cop, <http://www.wired.com/2008/08/ff-starwarscanon>, last accessed 25 April 2016.
- Baker, Ted, & Nelson, Reed. E. (2005). Creating something from nothing: Resource construction through entrepreneurial bricolage. *Administrative Science Quarterly*, 50(3): 329–366.
- Bakir, Vian (2015). Veillant panoptic assemblage: Mutual watching and resistance to mass surveillance after Snowden. *Media and Communication*, 3(3): 12–25.
- Bar-Hillel, Maya (1980). The base-rate fallacy in probability judgments. *Acta Psychologica*, 44(3): 211–233.
- Barabási, Albert-László (2003) *Linked: How everything is connected to everything else and what it means for business, science, and everyday life*. London: PLUME.
- Barabási, Albert-László (2012). The network takeover. *Nature Physics* 8(1): 14–16.
- Barabási, Albert-László (2013). Scientists must spearhead ethical use of big data, <http://www.politico.com/story/2013/09/scientists-must-spearhead-ethical-use-of-big-data-97578.html>, last accessed 25 April 2016.
- Barbaro, Michael, & Zeller, Tom (2006). A face is exposed for AOL searcher Nr. 4417749. [http://www.nytimes.com/2006/08/09/technology/09aol.html?\\_r=1&](http://www.nytimes.com/2006/08/09/technology/09aol.html?_r=1&), last accessed 16 February 2016.
- Barlow, Mike (2013). *Real-time big data analytics: Emerging architecture*. Cambridge: O'Reilly.
- Barrat, James (2013). *Our final invention: Artificial intelligence and the end of the human era*. New York: Thomas Dunne Books.
- Barry, Bruce, & Stewart, Greg L. (1997). Composition, process, and performance in self-managed groups: The role of personality. *Journal of Applied Psychology*, 82(1): 62–78.
- Barry, Christine A., Stevenson, Fiona A., Britten, Nicky, Barber, Nick, & Bradley, Colin P. (2001). Giving voice to the lifeworld. *More humane, more effective medical*

- care? A qualitative study of doctor-patient communication in general practice. *Social Science and Medicine*, 53(4): 487–505.
- Barton, Dominic, & Court, David (2012). Making advanced analytics work for you. *Harvard Business Review*, 90(10): 78–83.
- Bassler, Richard, A., & Joslin, Edward O. (1976). *Managing data processing*. Alexandria, VA: College Readings.
- Bates, Alan P., & Cloyd, Jerry S. (1956). Toward the development of operations for defining group norms and member roles. *Sociometry*, 19(1): 26–39.
- Baudrillard, Jean (1994). *Simulacra and simulation*. Ann Arbor: Michigan University Press.
- Baudrillard, Jean, & Gane, Mike (1993). *Baudrillard live: Selected interviews*. London: Routledge.
- Bauman, Zygmunt (2000). *Liquid modernity*. Cambridge: Polity Press.
- Baumer, Benjamin, & Zimbalist, Andrew (2014). *The sabermetric revolution: Assessing the growth of analytics in baseball*. Philadelphia: University of Pennsylvania Press.
- Baumgärtel, Tilmann (2015). *Rebell aus Prinzip*. *Wired*, 1(2): 30–31.
- Beck, Charlie, & McCue, Colleen (2009). Predictive policing: What can we learn from Wal-Mart and Amazon about fighting crime in a recession? *Police Chief*, 76(11): 18–24.
- Becker, Brian E., & Huselid, Mark A. (2006). Strategic human resources management: Where do we go from here? *Journal of Management*, 32(6): 898–925.
- Beckers, John J., & Schmidt, Henk G. (2001). The structure of computer anxiety: A six-factor model. *Computers in Human Behavior*, 17(1): 35–49.
- Beer, David (2009). Power through the algorithm? Participatory web cultures and the technological unconscious. *New Media & Society*, 11(6): 985–1002.
- Beer, Michael, Spector, Bert, Lawrence, Paul, Mills, D. Quinn, & Walton, Richard E. (1984). *Managing human assets*. New York: Free Press.
- Beinhocker, Eric D. (1997). Strategy at the edge of chaos. *McKinsey Quarterly*, 33(1): 24–40.
- Bell, Genevieve (2015). The secret life of big data. In Tom Boellstorff, & Bill Maurer (Eds.). *Data, now bigger and better!* (pp. 7–26). Chicago: Prickly Paradigm Press.
- Bell, Gordon, Hey, Tony, & Szalay, Alex (2009). Beyond the data deluge. *Science*, 323(5919): 1297–1298.
- Bellah, Robert N. (1959). Durkheim and history. *American Sociological Review*, 24(4): 447–461.
- Bellman, Richard E. (1957). *Dynamic programming*. Princeton, NJ: Princeton University Press.
- Bellow, Francis (1959). The 1960s: A forecast of technology. *Fortune* 59: 74–78.

- Ben-Zvi, Davi, & Garfield, Joan (2005). Statistical literacy, reasoning, and thinking: Goals, definitions, and challenges. In: Dani Ben-Zvi, & Joan Garfield (Eds.). *The challenge of developing statistical literacy, reasoning and thinking* (pp. 3–16). New York: Kluwer.
- Bendler, Johannes, Wagner, Sebastian, Brandt, Tobias, & Neumann, Dirk (2014). Informa-tionsunschärfe in Big Data. *Wirtschaftsinformatik*, 56(5): 303–313.
- Bentham, Jeremy (1843). *The works of Jeremy Bentham*. Volume four. Edinburgh: William Tait.
- Berger, Peter L., & Luckmann, Thomas (1966). *The social construction of reality: A treatise in the sociology of knowledge*. New York: Anchor Books.
- Bernerth, Jeremy B., Taylor, Shannon G., Walker, H. Jack, & Whitman, Daniel S. (2012). An empirical investigation of dispositional antecedents and performance-related outcomes of credit scores. *Journal of Applied Psychology*, 97(2): 469–478.
- Bernstein, Ethan (2014). The transparency trap. *Harvard Business Review*, 92(10): 58–66.
- Bersin, Josh (2012). Big data in HR: Building a competitive talent analytics function – The four stages of maturity. *Bersin White Paper*, 1–84.
- Bessen, James (2015). Scarce skills, not scarce jobs. <http://www.theatlantic.com/business/archive/2015/04/scarce-skills-not-scarce-jobs/390789>, last accessed 25 April 2016.
- Beyer, Mark A., & Laney, Doug (2012). *The importance of “big data”: A definition*. Stamford, CT: Gartner.
- Biddle, Bruce. J. (2013). *Role theory: Expectations, identities, and behaviors*. New York: Academic Press.
- Biehn, Neil (2013). The missing V’s in big data: Viability and value. <http://www.wired.com/insights/2013/05/the-missing-vs-in-big-data-viability-and-value/>, last accessed 03 February 2016.
- Biermann, Christoph (2007). Im Geheimlabor des Fußballs. <http://www.spiegel.de/spiegel/print/d-51074754.html>, last accessed 23 April 2016.
- Biermann, Christoph (2015). Moneyball im Niemandsland. *11 Freunde*, 15(6): 90–96.
- Bijker, Wiebe E., Hughes, Thomas P., & Pinch, Trevor Pinch (Eds.) (1987). *The social construction of technological systems. New directions in the sociology and history of technology*. Cambridge: MIT Press.
- Bijker, Wiebe E., Hughes, Thomas P., & Pinch, Trevor (1999). General introduction. In Wiebe E. Bijker, Thomas P. Hughes, & Trevor Pinch (Eds.). *The social construction of technological systems. New directions in the sociology and history of technology* (pp. 1–6). Cambridge: MIT Press.
- Bikard, Michaël (2012). Simultaneous discoveries as a research tool: Method and promise. *SSRN Working Paper*: 1–33.

- Bimber, Bruce (1994). Three faces of technological determinism. In Merritt R. Smith, & Leo Marx (Eds.). *Does technology drive history? The dilemma of technological determinism* (pp. 79–100). Cambridge: MIT Press.
- Bimber, Oliver, & Raskar, Ramesh (2005). *Spatial augmented reality: Merging real and virtual worlds*. Boca Raton, FL: CRC Press.
- Bladt, Jeff, & Filbin, Bob (2013). Know the difference between your data and your metrics. <http://blogs.hbr.org/2013/03/know-the-difference-between-yo>, last accessed 25 April 2016.
- Blauner, Robert (1964). *Alienation and freedom: The factory worker and his industry*. Chicago: University of Chicago Press.
- Bless, Herbert, Fiedler, Klaus, & Strack, Fritz (2004). *Social cognition: How individuals construct social reality*. Hove and New York: Psychology Press.
- Boczkowski, Pablo J. (2004). The mutual shaping of technology and society in videotext newspapers: Beyond the diffusion and social shaping perspectives. *Information Society*, 20(4): 255–267.
- Boellstorff, Tom (2015). Making big data, in theory. In Tom Boellstorff, & Bill Maurer (Eds.). *Data, now bigger and better!* (pp. 87–108). Chicago: Prickly Paradigm Press.
- Bogost, Ian (2014). Why gamification is bullshit. In Steffen P. Walz, & Sebastian Deterding (Eds.). *The gameful world: Approaches, issues, applications* (pp. 65–79). Cambridge: MIT Press.
- Boisot, Max, & McKelvey, Bill (2010). Integrating modernist and postmodernist perspectives on organizations: A complexity science bridge. *Academy of Management Review*, 35(3): 415–433.
- Bolin, Göran, & Schwarz, Jonas A. (2015). Heuristics of the algorithm: Big Data, user interpretation and institutional translation. *Big Data & Society*, 2(2): 1–11.
- Bollier, David (2010). *The promise and peril of big data*. Washington, DC: The Aspen Institute.
- Bonabeau, Eric (2009). Decisions 2.0: The power of collective intelligence. *MIT Sloan Management Review*, 50(2): 45–52.
- Booch, Grady (2014). The human and ethical aspects of big data. *IEEE Software*, 31(1):20–22.
- Boolos, George, & Richard, Jeffrey (1974). *Computability and logic*. Cambridge: Cambridge University Press.
- Borge-Holthoefer, Javier, Perra, Nicola, Gonçalves, Bruno, González-Bailón, Sandra, Arenas, Alex, Moreno, Yamir, & Vespignani, Alessandro (2016). The dynamics of information-driven coordination phenomena: A transfer entropy analysis. *Science Advances*, 2(4): 1–8.
- Borgmann, Christine L. (2007). *Scholarship in the digital age*. Cambridge: MIT Press.

- Borne, Kirk (2014). Top 10 big data challenges – A serious look at 10 big data V's. <https://www.mapr.com/blog/top-10-big-data-challenges---serious-look-10-big-data-v's>, last accessed 25 April 2016.
- Bosco, Frank A., Aguinis, Herman, Field, James G., Pierce, Charles A., & Dalton, Dan R. (2015). Harking's threat to organizational research: Evidence from primary and meta-analytic sources. *Personnel Psychology*, published online before print.
- Bostrom, Nick (2006). How long before superintelligence. *Linguistic and Philosophical Investigations*, 5(1): 11–30.
- Bouchikhi, Hamid, & Kimberly, John R. (2003). Escaping the identity trap. *MIT Sloan Management Review*, 44(3): 20–26.
- Boulding, Kenneth E. (1956). *The image*. Ann Arbor: University of Michigan Press.
- Bourdieu, Pierre (1977). *Outline of a theory of practice*. Cambridge: Cambridge University Press.
- Bourdieu, Pierre (1986). *Distinction: A social critique of the judgement of taste*. London: Routledge.
- Bovis, Beth, Pressman, Adam, Gagne, Dan, & Sisco, Braxton (2012). Quantitative talent management: A Moneyball perspective. *Human Resource Executive Online*, 1–4.
- Bowker, Geoffrey C. (2005). *Memory practices in science*. Cambridge: MIT Press.
- Bowker, Geoffrey C. (2014). The theory/data thing. *International Journal of Communication*, 8: 1795–1799.
- Boxer, Philip, & Kenny, Vincent (1990). The economy of discourses: a third order cybernetics? *Human Systems Management*, 9(4): 205–224.
- Boyajian, Tabettha S., LaCourse, Daryll M., Rappaport, Saul A., Fabrycky, Daniel, Fischer, Debra A., Gandolfi, Davide, Kennedy, Gareth M., Korhonen, Heidi, Liu, Molin C., Moor, Atilla, Olah, Katalin, Vida, Krisztián, Wyatt, Mark C., Best, William M. J., Brewer, John M., Ciesla, Fred J., Csak, Balázs, Deeg, Hans J., Dupuy, Trent J., Handler, Gerald, Heng, Kevin, Howell, Steve B., Ishikawa, Sasha T., J. Kovacs, Kozakis, Thea, Kriskovics, Levente, Lehtinen, Jyri, Lintott, Chris, Lynn, Stuart, Nespral, David, Nikbakhsh, Shabnam, Schawinski, Kevin, Schmitt, Joseph R., Smith, Arfon M., Szabo, Gy M., Szabo, Róbert, Viuhó, J., Wang, Jin-Qing, Weiksnar, Alex, Bosch, Mike, Connors, J. L., Goodman, Samuel J., Green, Gerald R., Hoekstra, Abe J., Jebson, Tony, Jek, Kian J., Omohundro, Mark R., Schwengeler, Hans M., Szewczyk, A. (2016). Planet hunters IX. KIC 8462852-Where's the Flux? *Monthly Notices of the Royal Astronomy Society*, 457(4): 3988–4004.
- Boyd, Danah, & Crawford, Kate (2012). Critical questions for big data. *Provocations for a cultural, technological, and scholarly phenomenon. Information, Communication & Society* 15(5): 662–679.
- Bradford, David L., & Burke, W. Warner (Eds.) (2005). *Reinventing organization development: New approaches to change in organizations*. San Francisco: Pfeiffer.



- Branch, Melville C. (1997). *Simulation, planning, and society*. Westport: Praeger.
- Brenner, Peter J. (2013). *Herrschaft durch Zahlen*. *universitas*, 48: 34–53.
- Brillouin, Leon (1953). The negentropy principle of information. *Journal of Applied Physics*, 24(9): 1152–1163.
- Brin, David (2012). Fiction: Ray Bradbury, an appreciation. *Nature*, 486(7404): 471.
- Briscoe, Gerard, & Mulligan, Catherine (2014). *Digital innovation: The hackathon phenomenon*. London: Creativeworks.
- Brosnan, Mark J. 2002. *Technophobia: The psychological impact of information technology*. London: Routledge.
- Brown, Victoria R., & Vaughn, E. Daley (2011). The writing on the (Facebook) wall: The use of social networking sites in hiring decisions. *Journal of Business and Psychology*, 26(2): 219–225.
- Bryant, Adam (2011). Google's quest to build a better boss. <http://www.nytimes.com/2011/03/13/business/13hire.html>, last accessed 26 April 2016.
- Bryant, Levi R. (2011). *The democracy of objects*. Ann Arbor: Open Humanities Press.
- Brynjolfsson, Erik, Hitt, Lorin M., & Kim, Heekyung Hellen (2011). Strength in numbers: How Does data-driven decisionmaking Affect firm performance? SSRN Working Paper: 1–33.
- Brynjolfsson, Erik, & McAfee, Andrew (2011). *Race against the machine*. Lexington, MA: Digital Frontier Press.
- Brynjolfsson, Erik, & McAfee, Andrew (2014). *The second machine age*. New York: W. W. Norton.
- Bryson, Steve, Kenwright, David, Cox, Michael, Ellsworth, David, & Haines, Robert (1999). Visually exploring gigabyte data sets in real time. *Communications of the ACM*, 42(8): 82–90.
- Buchanan, Mark (2015). Physics in finance: Trading at the speed of light. *Nature*, 518(7538): 161–163.
- Buchhorn, Eva (2014). App als Chef – wie Software Mitarbeiter durchleuchtet, <http://www.manager-magazin.de/magazin/artikel/personalmanagement-software-durchleuchtet-mitarbeiter-a-1022736.html>, last accessed 25 April 2016.
- Buckingham, Marcus (2015). Most HR data is bad data, <https://hbr.org/2015/02/most-hr-data-is-bad-data>, last accessed 12 September 2015.
- Buhl, Hans U., Röglinger, Maximilian, & Moser, Florian (2013). Big data. A fashionable topic with(out) sustainable relevance for research and practice? *Wirtschaftsinformatik*, 55(2): 63–68.
- Bunge, Mario (1963). A general black box theory. *Philosophy of Science*, 30(4): 346–358.

- Burke, Alafair S. (2007). Neutralizing cognitive bias: An invitation to prosecutors. *N.Y.U. Journal of Law & Liberty*, 2: 512–530.
- Burrell, Jenna (2016). How the machine ‘thinks’: Understanding opacity in machine learning algorithms. *Big Data & Society*, 3(1): 1–12.
- Busck, Ole, Knudsen, Herman, & Lind, Jens (2010). The transformation of employee participation: Consequences for the work environment. *Economic and Industrial Democracy*, 31(3): 285–305.
- Bylander, Tom, Allemang, Dean, Tanner, Michael C., & Josephson, John R. (1991). The computational complexity of abduction. *Artificial Intelligence*, 49(1): 25–60.
- Byrnes, Nanette (2016). Disruptive Zeiten bei Künstlicher Intelligenz, <http://www.heise.de/tr/artikel/Disruptive-Zeiten-bei-Kuenstlicher-Intelligenz-3164251.html>, last accessed 25 April 2016.
- Calás, Marta B., & Smircich, Linda (1999). Past postmodernism? Reflections and tentative directions. *Academy of Management Review*, 24(4): 649–672.
- Caldwell, Raymond (2001). Champions, adapters, consultants and synergists: the new change agents in HRM. *Human Resource Management Journal*, 11(3): 39–52.
- Campbell, Donald T. (1979). Assessing the impact of planned social change. *Evaluation and Program Planning*, 2(1): 67–90.
- Cannon, Walter B. (1926). Physiological regulation of normal states: some tentative postulates concerning biological homeostatics. In Paris Academy of Medicine (Ed.). Jubilee volume to Charles Richet (pp. 91–93). Paris: Editions Medicales.
- Cannon, Walter B. (1929). Organization for physiological homeostasis. *Physiological Reviews*, 9(3): 399–431.
- Cappelli, Peter (2015). Why we love to hate HR ... and what HR can do about it. *Harvard Business Review*, 93(7/8): 54–61.
- Carr, Nicholas (2014). The limits of social engineering, <https://www.technologyreview.com/s/526561/the-limits-of-social-engineering>, last accessed 08 March 2016.
- Carroll, Lewis (1991). Through the looking-glass and what Alice found there. <https://www.gutenberg.org/files/12/12-h/12-h.htm>, last accessed 23 April 2016.
- Castells, Manuel (2010). The information age. Economy, society and culture. Volume I: The rise of the network society. Chichester: Wiley-Blackwell.
- Cassidy, Mike (2014). Centaur chess shows power of teaming human and machine. [http://www.huffingtonpost.com/mike-cassidy/centaur-chess-shows-power\\_b\\_6383606.html](http://www.huffingtonpost.com/mike-cassidy/centaur-chess-shows-power_b_6383606.html), last accessed 25 April 2016.
- Chakrabarti, Soumen (2009). Data mining: Know it all. Burlington, MA: Morgan Kaufmann.
- Chan, Anita (2015). Big data interfaces and the problem of inclusion. *Media, Culture & Society*, 37(7): 1078–1083.

- Charan, Ram, Barton, Dominic, & Carey, Dennis (2015). People before strategy: A new role for the CHRO. *Harvard Business Review*, 93(7/8): 62–71.
- Charnley Gail, Elliott, E. Donald (2002). Risk versus precaution: Environmental law and public health protection. *Environmental Law Reporter*, 32(3):10363–10366.
- Chen, Hsinchun, Chiang, Roger H. L., & Storey, Veda C. (2012). Business intelligence and analytics: From big data to big impact. *MIS Quarterly*, 36(4): 1165–1188.
- Cheng, Bing, & Titterington, D. Michael (1994). Neural networks: A review from a statistical perspective. *Statistical Science*, 9(1): 2–30.
- Chesbrough, Henry W. (2006). *Open innovation: The new imperative for creating and profiting from technology*. Cambridge: Harvard Business Press.
- Child, John, Ihrig, Martin, & Merali, Yasmin (2014). Organization as information – A space odyssey. *Organization Studies*, 35(6): 801–824.
- Chomsky, Noam (1965). *Aspects of the theory of syntax*. Cambridge: MIT Press.
- Chomsky, Noam (2002). *Media control: The spectacular achievements of propaganda*, New York: Seven Stories Press.
- Chomsky, Noam (2013). Noam Chomsky and Bart Gellman at engaging data, <http://www.hyperorg.com/blogger/2013/11/15/liveblog-noam-chomsky-at-engaging-data>, last accessed 06 January 2016.
- Christensen-Szalanski, Jay J., & Willham, Cynthia. F. (1991). The hindsight bias: A meta-analysis. *Organizational Behavior and Human Decision Processes*, 48(1): 147–168.
- Christozov, Dimitar, & Toleva-Stoimenova, Stefka. (2015). Big data literacy: A new dimension of digital. In John Girard, Deanna Klein, & Kristi Berg (Eds.). *Strategic data-based wisdom in the big data era* (pp. 156–171). Hershey, PA: Information Science Reference.
- Cilliers, Paul (1998). *Complexity and postmodernism: Understanding complex systems*. London: Routledge.
- CIPD (2013). *Talent analytics and big data – The challenge for HR*. London: CIPD.
- Clark, Andy (2015). You are what you eat. In John Brockman (Ed.). *What to think about machines that think* (pp. 156–159). New York: Harper Perennial.
- Clarke, Arthur C. (1977). *Profiles of the future*. New York: Popular Library.
- Clarke, Juaane N. (1981). A multiple paradigm approach to the sociology of medicine, health and illness. *Sociology of Health & Illness*, 3(1): 89–103.
- Clemons, Eric K. (2013). Online profiling and invasion of privacy: The myth of anonymization. [http://www.huffingtonpost.com/eric-k-clemons/internet-targeted-ads\\_b\\_2712586.html](http://www.huffingtonpost.com/eric-k-clemons/internet-targeted-ads_b_2712586.html), last accessed 16 February 2016.
- Clemons, Eric. K., Wilson, James, & Jin, Fujie (2014). Investigations into consumers' preferences concerning privacy: An initial step towards the development

- of modern and consistent privacy protections around the globe. 47th Hawaii International Conference on System Science (HICSS), Waikoloa, 4083–4092.
- Coase, Ronald. H. (1937). The nature of the firm. *economica*, 4(16): 386–405.
- Cohen, Michael D., March, James G., & Olsen, Johan P. (1972). A garbage can model of organizational choice. *Administrative Science Quarterly*, 17(1): 1–25.
- Collingridge David (1996). Resilience, flexibility, and diversity in managing the risks of technologies. In Christopher Hood, & David K. C. Jones (Eds.). *Accidents and design: Contemporary debates in risk management* (pp. 40–45). Oxford: Routledge.
- Conrad, Klaus (1958). *Die beginnende Schizophrenie. Versuch einer Gestaltanalyse des Wahns*. Stuttgart: Georg Thieme.
- Conti, Gregory (2006): Introduction. *Communications of the ACM*, 49(6): 33–36.
- Cook, Samantha, Conrad, Corrie, Fowlkes, Ashley L., & Mohebbi, Matthew H. (2011). Assessing Google flu trends performance in the United States during the 2009 influenza virus A (H1N1) pandemic. *PloS one*, 6(8): 1–8.
- Cooper, Robert, & Burrell, Gibson (1988). Modernism, postmodernism and organizational analysis: An introduction. *Organization Studies*, 9(1): 91–112.
- Cormen, Thomas H., Leiserson, Charles E., Rivest, Ronald L., & Stein, Clifford (2009). *Introduction to algorithms*. Cambridge: MIT Press.
- Cornerstone OnDemand (2013). *Big data in HR*. Santa Monica, CA: Cornerstone OnDemand.
- Cox, Michael, & Ellsworth, David (1997). Managing big data for scientific visualization. *ACM Siggraph*, 97: 1–17.
- Craik, Kenneth J. W. (1943). *The nature of explanation*. Cambridge: Cambridge University Press.
- Crail, Mark (2015). The problem with the sorcery of big data in HR. <http://www.managers.org.uk/insights/news/2015/august/the-problem-with-the-sorcery-of-big-data-in-hr>, last accessed 23 April 2016.
- Crawford, Kate (2013). The hidden biases in big data. <https://hbr.org/2013/04/the-hidden-biases-in-big-data>, last accessed 11 February 2016.
- Crawford, Kate, Miltner, Kate, & Gray, Mary L. (2014). Critiquing big data: Politics, ethics, epistemology. *International Journal of Communication*, 8: 1663–1672.
- Csikszentmihalyi, Mihaly (2008). *Flow: The psychology of happiness*. New York: Harper Collins.
- Cukier, Kenneth (2013). Dehumanising human resources. <http://www.economist.com/blogs/schumpeter/2013/04/big-data-and-hiring>, last accessed 26 April 2016.
- Cumby, Richard, & Church, Peter (2013). Is “big data” creepy? *Computer Law & Security Review*, 29(5): 601–609.

- D'Ignazio, Catherine, & Bhargava, Rahul (2015). Approaches to big data literacy. Bloomberg Data for Good Exchange Conference, New York, 1–6.
- Dahl, Richard (2010). Green washing: Do you know what you're buying? *Environmental Health Perspectives*, 118(6): 246–252.
- Dalton, Craig, & Thatcher, Jim (2014). What does a critical data studies look like, and why do we care? Seven points for a critical approach to 'big data'. <http://societyandspace.com/material/commentaries/craig-dalton-and-jim-thatcher-what-does-a-critical-data-studies-look-like-and-why-do-we-care-seven-points-for-a-critical-approach-to-big-data>, last accessed 09 February 2016.
- Darwin, Charles (1859). *On the origin of species*. London: John Murray.
- Dasgupta, Sayamindu, & Resnick, Mitchel (2014). Engaging novices in programming, experimenting, and learning with data. *ACM Inroads*, 5(4): 72–75.
- Dass, Parshotam, & Parker, Barbara (1999). Strategies for managing human resource diversity: From resistance to learning. *Academy of Management Executive*, 13(2): 68–80.
- Data Processing Management Association (DPMA) (1970). *Data management*. Minneapolis: Charles Babbage Institute.
- Davenport, Thomas H. (2006). Competing on analytics. *Harvard Business Review*, 84(1): 98–107.
- Davenport, Thomas H. (2013). Keep up with the quants. *Harvard Business Review*, 91(7/8): 120–123.
- Davenport, Thomas H. (2014). *Big data at work: Dispelling the myths, uncovering the opportunities*. Boston: Harvard Business Review Press.
- Davenport, Thomas H., & Kirby, Julia (2015). Beyond automation. *Harvard Business Review*, 93(6): 58–65.
- Davenport, Thomas H., & Patil, D. J. (2012). Data scientist. The sexiest job of the 21st century. *Harvard Business Review*, 90(10): 70–76.
- David, Paul A. (1985). Clio and the Economics of QWERTY. *The American economic review*, 75(2): 332–337.
- Davis, Kord (2012). *Ethics of big data*. Sebastopol, CA: O'Reilly.
- de Biase, Luca (2015). Narratives and our civilization. In John Brockman (Ed.). *What to think about machines that think* (pp. 231–234). New York: Harper Perennial.
- de Goes, John (2013). Big data is dead. What's next? <http://venturebeat.com/2013/02/22/big-data-is-dead-whats-next>, last accessed 03 February 2016.
- de Mauro, Andrea, Greco, Marco, & Grimaldi, Michele (2015). What is big data? A consensual definition and a review of key research topics. *AIP Conference Proceedings*, Madrid, 97–104.

- de Montjoye, Yves-Alexandre, Radaelli, Laura, & Singh, Vivek K. (2015). Unique in the shopping mall: On the reidentifiability of credit card metadata. *Science*, 347(6221): 536–539.
- de Vries, Gerard, Verhoeven, Imrat, & Boeckhout, Martin (2011). Taming uncertainty: The WRR approach to risk governance. *Journal of Risk Research*, 14(4): 485–499.
- Degele, Nina (2002). *Einführung in die Techniksoziologie*. München: Fink.
- Deng, Li, & Yu, Dong (2014). Deep learning: Methods and applications. *Foundations and Trends in Signal Processing*, 7(3–4): 197–387.
- Derose, Chris (2013). How Google uses data to build a better worker. <http://www.theatlantic.com/business/archive/2013/10/how-google-uses-data-to-build-a-better-worker/280347>, last accessed 25 April 2016.
- Desai, Preyas S. (2001). Quality segmentation in spatial markets: When does cannibalization affect product line design? *Marketing Science*, 20(3): 265–283.
- Deterding, Sebastian, Sicart, Miguel, Nacke, Lennart, O’Hara, Kenton, & Dixon, Dan (2011). Gamification. Using game-design elements in non-gaming contexts. *Proceedings of the Conference on Human-Computer Interaction*, Vancouver, 2425–2428.
- Deterding, Sebastian (2014). Eudaimonic design, or: Six invitations to rethink gamification. In Mathias Fuchs, Sonia Fizek, Paolo Ruffino, & Niklas Schrape (Eds.). *Rethinking gamification* (pp. 305–331). Lüneburg: meson press.
- Deutsch, David (2002). The structure of the multiverse. *Proceedings of the Royal Society of London A: Mathematical, Physical and Engineering Sciences*, 458(2028): 2911–2923.
- Dewhurst, Martin, & Willmott, Paul (2014). Manager and machine: The new leadership equation. *McKinsey Quarterly*, <http://www.mckinsey.com/global-themes/leadership/manager-and-machine>, last accessed 23 April 2016.
- deWinter, Jennifer, Kocurek, Carly A., & Nichols, Randall (2014). Taylorism 2.0: Gamification, scientific management and the capitalist appropriation of play. *Journal of Gaming & Virtual Worlds*, 6(2): 109–127.
- Diebold, Francis X. (2000). Big data dynamic factor models for macroeconomic measurement and forecasting, 8th World Congress of the Econometric Society, 115–122.
- Diebold, Francis X. (2012). On the origin(s) and development of the term “big data”. *PIER Working Paper*, 12–037: 1–6.
- Diesner, Jana (2015). Small decisions with big impact on data analytics. *Big Data & Society*, 2(2): 1–6.
- Dietsch, Jeanne (2010). People meeting robots in the workplace. *IEEE Robotics & Automation Magazine*, 17(2): 15–16.

- Dijcks, Jean-Pierre (2012). Oracle. Big data for enterprise. Oracle Working Paper, 1–14.
- Diller, Ann (1997). In praise of objective-subjectivity: Teaching the pursuit of precision. *Studies in Philosophy and Education*, 16(1–2): 73–87.
- Dilley, Roy (1999). Introduction: The problem of context. In Roy Dilley (Ed.). *The problem of context* (pp. 1–46). New York: Berhahn.
- DiMaggio, Paul J., & Powell, Walter W. (1983). The iron cage revisited: Institutional isomorphism and collective rationality in organizational fields. *American Sociological Review*, 48(2): 147–160.
- Dinov, Ivo D., Petrosyan, Petros, Liu, Zhizhong, Eggert, Paul, Zamanyan, Alen, Torri, Federica, Macciardi, Fabio, Hobel, Sam, Woo Moon, Seok, Hee Sung, Young, Jiang, Zhiguo, Labus, Jennifer, Kurth, Florian, Ashe-McNalley, Cody, Mayer, Emiran, Vespa, Paul M., Van Horn, John D., & Toga, Arthur W. (2014). The perfect neuroimaging-genetics-computation storm: Collision of petabytes of data, millions of hardware devices and thousands of software tools. *Brain Imaging and Behavior*, 8(2): 311–322.
- Dix, Alexander (2016). Datenschutz im Zeitalter von Big Data. Wie steht es um den Schutz der Privatsphäre? *Stadtforchund und Statistik*, 26(1): 59–64.
- DOBelli, Rolf (2015). Self-aware AI? Not in 1,000 years! In John Brockman (Ed.). *What to think about machines that think* (pp. 98–101). New York: Harper Perennial.
- Doctorow, Cory (2015). Reputation economy dystopia: China’s new “citizen scores” will rate every person in the country, <https://boingboing.net/2015/10/06/reputation-economy-dystopia-c.html>, last accessed 25 April 2016.
- Dodge, Martin, & Kitchin, Rob (2005). Codes of life: Identification codes and the machine-readable world. *Environment and Planning D: Society and Space*, 23(6): 851–881.
- Dorminey, Bruce (2014). Harpoon malfunction may have saved ESA’s Philae comet lander. <http://www.forbes.com/sites/brucedorminey/2014/11/30/harpoon-malfunction-may-have-saved-esas-philae-comet-lander/#5d4fb0433237>, last accessed 25 April 2016.
- Dörner, Dietrich (1989): *Die Logik des Mißlingens. Strategisches Denken in komplexen Situationen*. Reinbek bei Hamburg: Rowohlt.
- Dougherty, Dale (2012). The maker movement. *innovations*, 7(3): 11–14.
- Dourish, Paul (2004) What we talk about when we talk about context. *Personal and Ubiquitous Computing*, 8(1): 19–30.
- Dourish, Paul, & Bell, Genevieve (2013). ‘Resistance is futile’: Reading science fiction alongside ubiquitous computing. *Personal and Ubiquitous Computing*, 18(4): 769–778.
- Drengson, Alan R. (1984). The sacred and the limits of the technological fix. *Zygon*, 19(3): 259–275.

- Dreyfus, Hubert (1965). *Alchemy and AI*. Santa Monica, CA: RAND Corporation.
- Drucker, Peter F. (1967). The manager and the moron. *McKinsey Quarterly*. <http://www.mckinsey.com/business-functions/organization/our-insights/the-manager-and-the-moron>, last accessed 23 April 2016.
- Drumm, Hans J., & Scholz, Christian (1988). *Personalplanung. Planungsmethoden und Methodenakzeptanz*. Bern – Stuttgart: Haupt.
- Duhigg, Charles (2012). How companies learn your secrets. <http://www.nytimes.com/2012/02/19/magazine/shopping-habits.html>, last accessed 25 April 2016.
- Dumbill, Edd (2013). Making sense of big data. *Big Data*, 1(1): 1–2.
- Duncan, Robert B. (1976). The ambidextrous organization: Designing dual structures for innovation. In Ralph H. Kollman, Louis R. Pondy, & Dennis Steven (Eds.). *The management of organization* (pp. 167–188). New York: North Holland.
- Durkheim, Emile (1897/1951). *Suicide*. Glencoe, IL: Free Press.
- Dutcher, Jennifer (2014). What is big data? <https://datascience.berkeley.edu/what-is-big-data>, last accessed 03 February 2016.
- Duymedjian, Raffi, & Rüling, Charles-Clemens (2010). Towards a foundation of bricolage in organization and management theory. *Organization Studies*, 31(2): 133–151.
- Dwork, Cynthia., & Mulligan, Deirdre K. (2013). It's not privacy, and it's not fair. *Stanford Law Review Online*, 66: 35–40.
- Dyche, Jill (2012). Big data “Eurekas!” don't just happen. <https://hbr.org/2012/11/eureka-doesnt-just-happen>, last accessed 09 February 2016.
- Eagle, Nathan, & Pentland, A. Sandy (2006). Reality mining: Sensing complex social systems. *Personal and Ubiquitous Computing*, 10: 255–268.
- Economist (2013). Robot recruiters, <http://www.economist.com/node/21575820>, last accessed 26 April 2016.
- Economist (2014). Planet of the phones. The smartphone is ubiquitous, addictive and transformative. <http://www.economist.com/news/leaders/21645180-smartphone-ubiquitous-addictive-and-transformative-planet-phones>, last accessed 23 April 2016.
- Ehrhardt, Michelle (2016). What Tinder and Halo have in common, <http://www.theatlantic.com/entertainment/archive/2016/01/how-tinder-matchmaking-is-like-warcraft/424350>, last accessed 25 April 2016.
- Eisenhardt, Kathleen M. (1989). Building theories from case study research. *Academy of Management Review*, 14(4): 532–550.
- Eisenhardt, Kathleen M., & Martin, Jeffrey A. (2000). Dynamic capabilities: What are they? *Strategic Management Journal*, 21(10–11): 1105–1121.
- Ekbia, Hamid, Mattioli, Michael, Kouper, Inna, Arave, G., Ghazinejad, Ali, Bowman, Timothy, Suri, Venkata R., Tsou, A., Weingart, Scott, & Sugimoto, Cassidy R.



- (2015). Big data, bigger dilemmas: A critical review. *Journal of the Association for Information Science and Technology*, 66(8): 1523–1545.
- Elkan, Charles (2001). Magical thinking in data mining: Lessons from CoIL challenge 2000. *Proceedings of the Seventh ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*, San Francisco, 426–431.
- Ellenberg, Jordan (2014). What's even creepier than Target guessing that you're pregnant? [http://www.slate.com/blogs/how\\_not\\_to\\_be\\_wrong/2014/06/09/big\\_data\\_what\\_s\\_even\\_creepier\\_than\\_target\\_guessing\\_that\\_you\\_re\\_pregnant.html](http://www.slate.com/blogs/how_not_to_be_wrong/2014/06/09/big_data_what_s_even_creepier_than_target_guessing_that_you_re_pregnant.html), last accessed 25 April 2016.
- Ellul, Jacques (1964). *The technological society*. New York: Vintage Books.
- Emerson, John W., & Kane, Michael J. (2012). Don't drown in the data, *Significance*, 9(4): 38–39.
- Emery, Fred E., & Trist, Eric L. (1965). The causal texture of organizational environments. *Human Relations*, 18(1): 21–32.
- Ennis, Robert H. (1962). A concept of critical thinking. *Harvard Educational Review*, 32(1): 81–111.
- Enserink, Martin, & Chin, Gilbert (2015). The end of privacy. *Science*, 347(6221): 490–491.
- Eoyang, Glenda H. (2007). Human system dynamics: Complexity-based approach to a complex evaluation. In Bob Williams, & Iraj Iman (Eds.). *Systems concepts in evaluation: An expert anthology* (pp. 75–88). Point Reyes: Edge Press.
- Eoyang, Glenda H. (2011) Complexity and the dynamics of organizational change. In Peter Allen, Steve Maguire, & Bill McKelvey (Eds.) *The SAGE handbook of complexity and management* (pp. 317–333). Thousand Oaks: Sage.
- Eppler, Martin J., & Mengis, Jeanne (2004). The concept of information overload: A review of literature from organization science, accounting, marketing, MIS, and related disciplines. *The Information Society*, 20(5): 325–344.
- Epstein, Susan L. (2015). Wanted: Collaborative intelligence. *Artificial Intelligence*, 221: 36–45.
- eQuest (2013). Big data: HR's golden opportunity arrives. San Ramon, CA: eQuest.
- Esposti, Sara Degli (2014). When big data meets dataveillance: The hidden side of analytics. *Surveillance & Society*, 12(2): 209–225.
- Evans, Paul A., & Doz, Yves (1992). Dualities: A paradigm for human resource and organizational development in complex multinationals. In: Vladimir Pucik, Noel M. Tichy, & Carole K. Barnett (Eds.). *Globalizing management: Creating and leading the competitive organization* (pp. 85–106). New York: Wiley.
- Eve Online (2003). Reyknjavik: CCP Games.
- Evolv (2013). Q3 2013 Workforce performance report. Evolv White Paper: 1–20.

- Falconer, James (2002). Emergence happens! Misguided paradigms regarding organizational change and the role of complexity and patterns in the change landscape. *Emergence*, 4(1–2): 117–130.
- Falconer, Kenneth (1997). *Techniques in fractal geometry*. Hoboken, NJ: Wiley.
- Falkvinge, Rick (2015). In China, your credit score is now affected by your political opinions – and your friends’ political opinions. <https://www.privateinternetaccess.com/blog/2015/10/in-china-your-credit-score-is-now-affected-by-your-political-opinions-and-your-friends-political-opinions>, last accessed 25 April 2016.
- Fanning, Kurt, & Centers, David P. (2013). Intelligent business process management: Hype or reality? *Journal of Corporate Accounting & Finance*, 24(5): 9–14.
- Farjoun, Moshe (2010). Beyond dualism: Stability and change as a duality. *Academy of Management Review*, 35(2): 202–225.
- Fauver, Larry, & Fuerst, Michael E. (2006). Does good corporate governance include employee representation? Evidence from German corporate boards. *Journal of Financial Economics*, 82(3): 673–710.
- Fayyad, Usama M., Piatetsky-Shapiro, Gregory, & Smyth, Padhraic (1996). Knowledge discovery and data mining: Towards a unifying framework. *KDD*, 96: 82–88.
- Federal Trade Commission (FTC) (2012). Report to Congress under Section 319 of the Fair and Accurate Credit Transactions Act of 2003, 1–370.
- Federal Trade Commission (FTC) (2015). Report to Congress under Section 319 of the Fair and Accurate Credit Transactions Act of 2003, 1–83.
- Feffer, Mark (2015). Processing people. *HR Magazine*, 60(8): 40–45.
- Feist, Richard, Beauvais, Chantal, & Shukla, Rajesh (2010). Introduction. In Richard Feist, Chantal Beauvais, & Rajesh Shukla (Eds.). *Technology and the changing face of humanity* (pp. 1–21). Ottawa: Ottawa University Press.
- Feldman, Lauren, Maibach, Edward, W., Roser-Renouf, Connie, & Leiserowitz, Anthony (2012). Climate on cable: The nature and impact of global warming coverage on Fox News, CNN, and MSNBC. *International Journal of Press/Politics*, 17(1): 3–31.
- Feldman, Maryann P., & Francis, Johanna L. (2004). Homegrown solutions: Fostering cluster formation. *Economic Development Quarterly*, 18(2): 127–137.
- Fellows, Michael R., Fomin, Fedor V., Lokshtanov, Daniel, Rosamond, Frances, Saurabh, Saket, & Villanger, Yngve (2012). Local search: Is brute-force avoidable? *Journal of Computer and System Sciences*, 78(3): 707–719.
- Finley, Klint (2013). Mathematicians predict the future with data from the past, <http://www.wired.com/2013/04/cliodynamics-peter-turchin>, last accessed 25 April 2016.
- Fischhoff, Baruch, & Beyth, Ruth (1975). ‘I knew it would happen’: Remembered probabilities of once-future things. *Organizational Behaviour and Human Performance*, 13(1): 1–16.

- Fisher, Danyel, DeLine, Rob, Czerwinski, Mary, & Drucker, Steven (2012). Interactions with big data analytics. *interactions*, 19(3): 50–59.
- Floridi, Luciano. (2012). Big data and their epistemological challenge. *Philosophy & Technology*, 25(4): 435–437.
- Fombrun, Charles J., Tichy, Noel, M., & Devanna, Mary A. (1984). *Strategic human resource management*. Hoboken, NJ: Wiley.
- Ford, Jeffrey D., Ford, Laurie W., & D'Amelio, Angelo (2008). Resistance to change: The rest of the story. *Academy of Management Review*, 33(2): 362–377.
- Ford, Martin (2015). *Rise of the robots. Technology and the threat of a jobless future*. New York: Basic Books.
- Forrester, Jay W. (1971). Counterintuitive behavior of social systems. *Theory and Decision*, 2(2): 109–140.
- Forrester, Jay W. (1994). System dynamics, systems thinking, and soft OR. *System Dynamics Review*, 10(2–3): 245–256.
- Forsyth, John, & Boucher, Leah (2015). Why big data is not enough. *Research World*, 2015(50): 26–27.
- Foucault, Michel (1977). *Discipline and punish: The birth of the prison*. New York: Pantheon Books.
- Fowler, Alastair (1979). Genre and the literary canon. *New Literary History*, 11(1): 97–119.
- Frankel, Felice, & Reid, Rosalind (2008). Big data: Distilling meaning from data. *Nature*, 455(7209): 30.
- Franklin, Ursula M. (1999). *The real world of technology*. Concord, ON: House of Anansi.
- Freeman, John, Carroll, Glenn R., & Hannan, Michael T. (1983). The liability of newness: Age dependence in organizational death rates. *American Sociological Review*, 48(5): 692–710.
- Freeman, Richard (2007). Epistemological bricolage: How practitioners make sense of learning. *Administration & Society*, 39(4): 476–496.
- Freiberger, Paul, & Swaine, Michael (1999). *Fire in the valley: Making of the Personal Computer*. New York: McGraw-Hill.
- Frey, Carl B., & Osborne, Michael A. (2013). The future of employment: How susceptible are jobs to computerisation? OMS Working Paper, 1–72.
- Frické, Martin (2015). Big data and its epistemology. *Journal of the Association for Information Science and Technology*, 66(4): 651–661.
- Friendly, Michael (2008). A brief history of data visualization. In Chun-Houh Chen, Wolfgang Karl Härdle, & Antony Unwin (Eds.). *Handbook of data visualization* (pp. 15–56). Berlin: Springer.

- Frischmann, Brett M. (2014). Human-focused Turing tests: A framework for judging nudging and techno-social engineering of human beings. *Cardozo Legal Studies Research Paper*, 441: 1–58.
- Froese, Tom (2010). Life after Ashby: Ultrastability and the autopoietic foundations of biological autonomy. *Cybernetics & Human Knowing*, 17(4): 7–49.
- Froomkin, A Michael (2015). From anonymity to identification. *Journal of Self-Regulation and Regulation*, 1: 121–138.
- Gadamer, Hans-Georg (1992). *Truth and method*. New York: Crossroad.
- Galagan, Pat (2014). HR gets analytical. *T+D*, 68: 22–25.
- Gallagher, Kelly (2006). Rethinking the Fair Credit Reporting Act: When requesting credit reports for employment purposes goes too far. *Iowa Law Review*, 91: 1593–1621.
- Gallagher, Sean (2013). What the NSA can do with ‘big data’. <http://www.arstechnica.com/information-technology/2013/06/what-the-nsa-can-do-with-big-data>, last accessed 26 April 2016.
- Gandomi, Amir, & Haider, Murtaza (2015). Beyond the hype: Big data concepts, methods, and analytics. *International Journal of Information Management*, 35(2): 137–144.
- George, Gerry, Haas, Martine R., & Pentland, A. Sandy (2014). Big data and management. *Academy of Management Journal*, 57(2): 321–326.
- Gerhart, Barry (2005). Human resources and business performance: Findings, unanswered questions, and an alternative approach. *Management Revue*, 16(2): 174–185.
- Giard, François, & Guitton, Matthieu J. (2016). Spiritus ex machina: Augmented reality, cyberghosts and externalised consciousness. *Computers in Human Behavior*, 55(B): 614–615.
- Gibson, Cristina B., & Birkinshaw, Julian (2004). The antecedents, consequences, and mediating role of organizational ambidexterity. *Academy of Management Journal*, 47(2): 209–226.
- Giddens, Anthony (1979). *Central problems in social theory: Action, structure, and contradiction in social analysis*. Berkeley: University of California Press.
- Giddens, Anthony (1984) *The constitution of society: Outline of the theory of structuration*. Polity Press, Cambridge.
- Giddings, Seth (2006). *Walkthrough: Videogames and technocultural form*. PhD thesis, University of West of England.
- Gigerenzer, Gerd (2015). Robodoctors. In John Brockman (Ed.). *What to think about machines that think* (pp. 317–320). New York: Harper Perennial.
- gild (2013). *The big data recruiting playbook*. San Francisco: gild.

- Gillespie, Tarleton (2012). Can an algorithm be wrong? *Limn*, 1(2), <http://limn.it/can-an-algorithm-be-wrong>, last accessed 27 April 2016.
- Ginsberg, Jeremy, Mohebbi, Matthew H., Patel, Rajan S., Brammer, Lynette, Smolinski, Mark S., & Brilliant, Larry (2009) Detecting influenza epidemics using search engine query data. *Nature* 457(7232): 1012–1014.
- Gitelman, Lisa (Ed.) 2013. “Raw data” is an oxymoron. Cambridge: MIT Press.
- Gitelman, Lisa, & Jackson, Virginia (2013). Introduction. In Lisa Gitelman (Ed.) 2013. “Raw data” is an oxymoron (pp. 1–14). Cambridge: MIT Press.
- Glaser, Barney G., & Strauss, Anselm L. (1967) *The discovery of grounded theory: strategies for qualitative research*. Piscataway, NJ: Aldine.
- Glassmeier, Karl-Heinz, Boehnhardt, Hermann, Koschny, Detlef, Kührt, Ekkehard, & Richter, Ingo (2007) The Rosetta mission: Flying towards the origin of the solar system. *Space Science Reviews* 128(1–4):1–21.
- Goffman, Erving (1959). *The presentation of self in everyday life*. New York: Anchor Books.
- Goldberg, David E., & Holland, John H. (1988). Genetic algorithms and machine learning. *Machine learning*, 3(2): 95–99.
- Gomez, Peter, & Probst, Gilbert (1980). Centralization versus decentralization in business organizations: cybernetic rules for effective management. *Cybernetics and Systems*, 11(4): 381–400.
- González, Marta C., Hidalgo, Cesar A., & Barabási, Albert-László (2008). Understanding individual human mobility patterns. *Nature*, 453(7196): 779–782.
- Gore, Al (2013). *The future: Six drivers of global change*. New York: Random House.
- Government Office for Science (2016). *Distributed ledger technology: beyond block chain*, [https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/492972/gs-16-1-distributed-ledger-technology.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/492972/gs-16-1-distributed-ledger-technology.pdf), last accessed 26 April 2016.
- Graham, Mark, Zook, Matthew, & Boulton, Andrew (2013). Augmented reality in urban places: contested content and the duplicity of code. *Transactions of the Institute of British Geographers*, 38(3): 464–479.
- Graham, Shawn (2013). It’s time to rethink human resources, the key to employee morale. <http://www.fastcompany.com/3002355/its-time-rethink-human-resources-key-employee-morale>, last accessed 26 April 2016.
- Gray, Alex (2016). The 10 skills you need to thrive in the fourth industrial revolution. <https://www.weforum.org/agenda/2016/01/the-10-skills-you-need-to-thrive-in-the-fourth-industrial-revolution>, last accessed 25 April 2016.
- Green, Leila (2001). *Technoculture*. Crows Nest: Allen and Unwin.

- Greene, Brian (2005). Making sense of string theory. [https://www.ted.com/talks/brian\\_greene\\_on\\_string\\_theory/transcript?language=en](https://www.ted.com/talks/brian_greene_on_string_theory/transcript?language=en), last accessed 24 April 2016.
- Greene, Brian (2016). Did we just discover aliens? Scientists aren't ruling it out. <http://ideas.ted.com/did-we-just-discover-aliens>, last accessed 25 April 2016.
- Greene, William H. (2003). *Econometric analysis*. Upper Saddle River, NJ: Prentice Hall.
- Greer, Brian (2000). Statistical thinking and learning. *Mathematical Thinking and Learning*, 2(1-2): 1-9.
- Gregory, Robert W., & Muntermann, Jan (2011). Theorizing in design science research: Inductive versus deductive approaches. 32nd International Conference on Information Systems, Shanghai, 1-17.
- Griffiths, Tom (2015). Brains and other thinking machines. In: John Brockman (Ed.). *What to think about machines that think* (pp. 141-144). New York: Harper Perennial.
- Grimes, Sara M. (2006). Online multiplayer games: A virtual space for intellectual property debates. *New Media & Society*, 8(6): 969-990.
- Grimson, William E. L. (1980). *Computing shape using a theory of human stereo vision*. PhD Thesis. Massachusetts Institute of Technology.
- Gros, Claudius (2012). Pushing the complexity barrier: Diminishing returns in the sciences. *Complex Systems*, 21(3): 183-192.
- Gross, David (1982). Time-space relations in Giddens' social theory. *Theory, Culture & Society*, 1(2): 83-88.
- Grossmann, Bettina, Lames, Martin. & Stefani, Ray (2015). From talent to professional football-youthism in German football. *International Journal of Sports Science and Coaching*, 10(6): 1103-1114.
- Guertin, Carolyn (2012). *Digital prohibition: Piracy and authorship in new media art*. New York: Bloomsbury.
- Guszcza, James, Steier, David, Lucker, John, Gopalkrishnan, Vivekanand, & Lewis, Harvey (2013). Too big to ignore. *Deloitte Review*, 12: 36-53.
- Guthrie, Cameron (2014). Empowering the hacker in us: a comparison of fab lab and hackerspace ecosystems. 5th Latin American and European Meeting on Organization Studies Colloquium (LAEMOS), 2-5.
- Habermas, Jürgen (1970). *Toward a rational society: Student protest, science and politics*. Boston: Beacon Press.
- Hagedijk, Rob, & Irwin, Alan (2006) Public deliberation and governance: Engaging with science and technology in contemporary Europe. *Minerva* 44(2):167-184.
- Haggerty, Kevin D. & Ericson, Richard V. (2000). The surveillant assemblage. *British Journal of Sociology*, 51(4): 605-622.

- Hamari, Juho, Koivisto, Joanna, & Sarsa, Harri (2014). Does gamification work – A literature review of empirical studies on gamification. 47th Hawaii International Conference on Systems Sciences (HICSS), Waikoloa, 1–10.
- Hamel, Gary (1998). Path breaking. *Executive Excellence*, 15(1): 3–4.
- Hampton, Stephanie E., Strasser, Carly A., Tewksbury, Joshua J., Gram, Wendy K., Budden, Amber E., Batcheller, Archer L., Duke, Clifford S., & Porter, John H. (2013). Big data and the future of ecology. *Frontiers in Ecology and the Environment*, 11(3): 156–162.
- Han, Jiawei, Kamber, Micheline, & Pei, Jian (2012). *Data mining: Concepts and techniques*. Waltham, MA: Morgan Kaufmann.
- Han, Jie, & Orshansky, Michael (2013). Approximate computing: An emerging paradigm for energy-efficient design. 18th IEEE European Test Symposium (ETS), 1–6.
- Hand, David J. (1998). Data mining: Statistics and more? *The American Statistician*, 52(2): 112–118.
- Hand, David J. (2016). Editorial: ‘Big data’ and data sharing. *Journal of the Royal Statistical Society: Series A (Statistics in Society)*, 179(3): 629–631.
- Hannan, Michael T., & Freeman, John (1977). The population ecology of organizations. *American Journal of Sociology*, 82(5): 929–964.
- Hannan, Michael T., & Freeman, John (1984) Structural inertia and organizational change. *American Sociological Review*, 49(2): 149–164.
- Hanson, Norwood R. (1958). The logic of discovery. *The Journal of Philosophy*, 55(25): 1073–1089.
- Harford, Tim (2014). Big data: Are we making a big mistake? *Significance*, 11(5):14–19.
- Harris, Mark (2015) Documents confirm Apple is building self-driving car, <http://www.theguardian.com/technology/2015/aug/14/apple-self-driving-car-project-titan-sooner-than-expected>, last accessed 19 October 2015.
- Harris, Jeanne (2012). Data is useless without the skills to analyze it. <https://hbr.org/2012/09/data-is-useless-without-the-skills>, last accessed 25 April 2016.
- Hartley, Peter, & Chatterton, Peter (2001). *Business communication. Rethinking your professional practice for the post-digital age*. New York: Routledge.
- Harvard Business Review (2013). *The big data opportunity for HR and finance*. Cambridge: Harvard Business Review.
- Hawking, Stephen, Russell, Stuart, Tegmark, Max, & Wilczek, Frank (2014). Stephen Hawking: ‘Transcendence looks at the implications of artificial intelligence – but are we taking AI seriously enough?’ <http://www.independent.co.uk/news/science/stephen-hawking-transcendence-looks-at-the-implications-of-artificial-intelligence-but-are-we-taking-9313474.html>, last accessed 08 February 2016.

- Hawley, Amos (1968). Human ecology. In David L. Sills (Ed.). *International encyclopedia of the social sciences* (pp. 328–337). New York: Macmillan.
- Hayden, Michael (2014). Former NSA boss: “We kill people based on metadata”. <https://www.youtube.com/watch?v=UdQiz0Vavmc>, last accessed 16 February 2016.
- Hearst, Marti (2015). eGaia, a distributed technical-social mental system. In John Brockman (Ed.). *What to think about machines that think* (pp. 280–281). New York: Harper Perennial.
- Heidegger, Martin (1977). *The question concerning technology and other essays*. New York: Harper & Row.
- Heidegger, Martin (2011). *Gesamtausgabe. II. Abteilung: Vorlesungen (1919–1944)*. Frankfurt am Main: Vittorio Klostermann.
- Heilbroner, Robert L. (1967). Do machines make history. *Technology and Culture*, 8(3): 335–345.
- Heisenberg, Werner (1927). Über den anschaulichen Inhalt der quantentheoretischen Kinematik und Mechanik. *Zeitschrift für Physik*, 43 (3–4): 172–198.
- Helbing, Dirk (2015). *Thinking ahead – Essays on big data, digital revolution, and participatory market society*. Heidelberg: Springer.
- Helland, Pat (2011). If you have too much data, then ‘good enough’ is good enough. *Communications of the ACM*, 54(6): 40–47.
- Hellekson, Karen, & Busse, Kristina (2006). *Fan fiction and fan communities in the age of the internet*. Jefferson, NC: McFarland.
- Hempel, Carl G. (1965). Typological methods in the natural and social sciences. In Carl G. Hempel (Ed.). *Aspects of scientific explanation and other essays in the philosophy of science* (pp. 155–171). New York: Free Press.
- Hendler, Jim (2013). Broad data: Exploring the emerging web of data. *Big Data*, 1(1):18–20.
- Hershbach, Dennis R. (1995). Technology as knowledge: Implications for instruction. *Journal of Technology Education*, 7(Fall): 31–42.
- Hey, Tony, Tansley, Stewart, & Tolle, Kristin (2009). Jim Gray on eScience: A transformed scientific method. In: Tony Hey, Stewart Tansley, & Kristin Tolle (Eds.). *The fourth paradigm. Data-intensive discovery* (pp. xvii–xxxi). Redmond, WA: Microsoft Research.
- Hilbert, Martin (2016). Big data for development: A review of promises and challenges. *Development Policy Review*, 34(1): 135–174.
- Hilbert, Martin, & López, Priscila (2011). The world’s technological capacity to store, communicate, and compute information. *Science*, 332(6025): 703–705.
- Hildebrandt, Mireille (2013). Slaves to big data. Or are we? IDP. *Revista de Internet, Derecho y Política*, 16, published online before print.



- Hill, Kashmir (2012). How Target figured out a teen girl was pregnant before her father did. <http://www.forbes.com/sites/kashmirhill/2012/02/16/how-target-figured-out-a-teen-girl-was-pregnant-before-her-father-did/#53e48efb34c6>, last accessed 25 April 2016.
- Hocquet, Alexander (2016). Football manager: Mutual shaping between, game, sport, and community. *Kinephanos*, 6(Special Issue): 34–52.
- Hoenkamp, Eduard (2012). Taming the terabytes: A human-centered approach to surviving the information deluge. In Judith B. Strother, Jan M. Ulijn, & Zohra Fazal (Eds.). *Information overload: An international challenge for professional engineers and technical communicators* (pp. 145–174). Hoboken, NJ: Wiley.
- Hoeren, Thomas (Ed.) (2014). *Big Data und Recht*. München: C. H. Beck.
- Hoerl, Roger, & Snee, Ron D. (2012). *Statistical thinking: Improving business performance*. Hoboken, NJ: Wiley.
- Holland, John H. (1995). *Hidden order: How adaptation builds complexity*. New York: Basic Books.
- Hollinger, Richard C., & Adams, Amanda (2008). 2008 National Retail Security survey – Final report. Gainesville: University of Florida.
- Holz kämpfer, Hendrik (1995). *Management von Singularitäten und Chaos. Außergewöhnliche Ereignisse und Strukturen in industriellen Unternehmen*. Wiesbaden: Springer.
- Hopgood, Adrian A. (2003). Artificial intelligence: Hype or reality? *Computer*, 36: 24–28.
- Hota, Chittaranjan, Upadhyaya, Shambhu, & Al-Karaki, Jamal N. (2015). Advances in secure knowledge management in the big data era. *Information Systems Frontiers*, 17(5): 983–986.
- Hotten, Russell (2015). Carmakers face challenge from Google and Apple, <http://www.bbc.com/news/business-31720645>, last accessed 19 October 2015.
- Hua, Chai (2015). Mainland credit-rating network takes shape. [http://www.chinadailyasia.com/business/2015-06/09/content\\_15274221.html](http://www.chinadailyasia.com/business/2015-06/09/content_15274221.html), last accessed 25 April 2016.
- Hughes, Thomas P. (1969). Technological momentum in history: Hydrogenation in Germany 1898–1933. *Past & Present*, 44: 106–132.
- Hughes, Thomas P. (1994). Technological momentum. In: Merritt R. Smith, & Leo Marx (Eds.). *Does technology drive history. The dilemma of technological determinism* (pp. 101–114). Cambridge: MIT Press.
- Hume, David (1739). *A treatise of human nature*. Oxford: Clarendon Press.
- Huotari, Kai & Hamari, Juho (2012). Defining gamification – A service marketing perspective. *Proceedings of the 16th International Academic Mindtrek Conference, Tampere, Finland*, 1–22.

- Hurst, David K. (1995). Crisis and renewal: Ethical anarchy in mature organizations. *Business Quarterly*, 60(2): 32–32.
- Huselid, Mark A. (2011). Celebrating 50 Years: Looking back and looking forward: 50 years of Human Resource Management. *Human Resource Management*, 50(3): 309–312.
- Huselid Mark A. (2015). Workforce analytics for strategy execution. In Dave Ulrich, William A. Schiermann, & Libby Sartain (Eds.). *The rise of HR: Wisdom from 73 thought leaders* (pp. 301–315). Alexandria, VA: HR Certification Institute.
- Hutter, Marcus (2009). Feature reinforcement learning: Part I. Unstructured MDPs. *Journal of Artificial General Intelligence*, 1(1): 3–24.
- Huxley, Aldous (1932). *Brave new world*. London: Chatto & Windus.
- Huxley, Aldous (1958). The Mike Wallace interview. [http://www.hrc.utexas.edu/multimedia/video/2008/wallace/huxley\\_aldous\\_t.html](http://www.hrc.utexas.edu/multimedia/video/2008/wallace/huxley_aldous_t.html), last accessed 26 April 2016.
- Ilinitch, Anne Y., D’Aveni, Richard A., & Lewin, Arie Y. (1996). New organizational forms and strategies for managing in hypercompetitive environments. *Organization Science*, 7(3): 211–220.
- Intel (2012). Big data analytics. Intel’s IT manager survey on how organizations are using big data. Intel White Paper: 1–26.
- Ioannidis, John P.A. (2005). Why most published research findings are false. *PLoS Medicine*, 2(8): 696–701.
- IRGC (2005). Risk governance: Towards an integrative approach. IRGC White Paper 1:1–156.
- Jackson, Brandon (2014). Helping HR get a seat at the table. <https://rework.withgoogle.com/blog/getting-a-seat-at-the-table/>, last accessed 25 April 2016.
- Jackson, D. A., Somers, K. M. (1991). The spectre of ‘spurious’ correlations. *Oecologia*, 86(1): 147–151.
- Jacobs, Adam (2009). The pathologies of big data. *Communications of the ACM*, 52(8): 36–44.
- Jagadish, H. V., Gehrke, Johannes, Labrinidis, Alexandros, Papakonstantinou, Yannis, Patel, Jignesh M., Ramakrishnan, Raghu, & Shahabi, Cyrus (2014). Big data and its technical challenges. *Communications of the ACM*, 57(7): 86–94.
- James, Timothy (2012). Smart factories. *Engineering & Technology*, 7(6): 64–67.
- Janssens, Maddy, & Steyaert, Chris (1999). The world in two and a third way out? The concept of duality in organization theory and practice. *Scandinavian Journal of Management*, 15(2): 121–139.
- Jensen, Howard E. (1952). Editorial note. In Howard P. Becker (Ed.). *Through values to social interpretation. Essays on social contexts and prospects* (pp. vii–xi). Durham: Duke University Press.

- Johannessen, Jon-Arild, & Hauan, Arnulf (1994). Communication – A systems theoretical point of view (third-order cybernetics). *Systems Practice*, 7(1): 63–73.
- John, Nicholas A. (2014). File sharing and the history of computing: Or, why file sharing is called “file sharing”. *Critical Studies in Media Communication*, 31(3): 198–211.
- Johnson-Laird, Philip N. (2004). The history of mental models. In Ken Manktelow, & Man Cheung Chung (Eds.). *Psychology of reasoning* (pp. 179–212). Hove-New York: Psychology Press.
- Johnson, Jeffrey A. (2015). How data does political things: The processes of encoding and decoding data are never neutral. <http://blogs.lse.ac.uk/impactofsocialsciences/2015/10/07/how-data-does-political-things/>, last accessed 26 April 2016.
- Johnson, Steven, (2007). *The ghost map: The story of London’s most terrifying epidemic – and how it changed science, cities, and the modern world*. New York: Riverhead Books.
- Johns, Gary (2006). The essential impact of context on organizational behavior. *Academy of Management Review*, 31(2): 386–408.
- Jones, Chuck (2015). Hitting the brakes on Apple’s electric car. <http://www.forbes.com/sites/chuckjones/2015/02/14/hitting-the-brakes-on-apples-electric-car>, last accessed 19 October 2015.
- Junqué de Fortuny, Enric, Martens, David, & Provost, Foster (2013). Predictive modeling with big data: is bigger really better? *Big Data*, 1(4): 215–226.
- Kafka, Franz (1925). *Der Process*. Berlin: Die Schmiede.
- Kahaner, Larry (1997). *Competitive intelligence. How to gather analyze, and use information to move your business to the top*. New York: Touchstone.
- Kahn, Jordan (2015) Revealed: The experts Apple hired to build an electric car. <http://9to5mac.com/2015/02/19/apple-electric-car-team>, last accessed 19 October 2015.
- Kahneman, Daniel, & Lovallo, Dan (1993). Timid choices and bold forecasts: A cognitive perspective on risk taking. *Management Science*, 39(1): 17–31.
- Kahneman, Daniel, & Tversky, Amos (1972). Subjective probability: A judgment of representativeness. *Cognitive Psychology*, 3(3): 430–454.
- Kaisler, Stephen, Armour, Frank, Espinosa, J. Alberto, & Money, William (2013). Big data: Issues and challenges moving forward. 46th Hawaii International Conference on System Sciences (HICSS), Wailea, 995–1004.
- Kast, Fremont E., & Rosenzweig, James E. (1972). General systems theory: Applications for organization and management. *Academy of Management Journal*, 15(4): 447–465.
- Kasting, James F., Whitmire, Daniel P., & Reynolds, Ray T. (1993). Habitable zones around main sequence stars. *Icarus*, 101(1): 108–128.

- Kates, Robert W. (1969). Mirror or monitor for man. *Antipode*, 1(1): 47–53.
- Katz, Daniel, & Kahn, Robert L. (1966). *The social psychology of organizations*. New York: Wiley.
- Kauffman, Stuart A. (1993). *The origins of order: Self organization and selection in evolution*. Oxford: Oxford University Press.
- Kauffman, Stuart A. (1995). *At home in the universe. The search for the laws of self-organization and complexity*. Oxford: Oxford University Press.
- Kaufman, Bruce E. (2015). Evolution of strategic HRM as seen through two founding books: A 30th anniversary perspective on development of the field. *Human Resource Management*, 54(3): 389–407.
- Kebede, Gashaw (2010). Knowledge management: An information science perspective. *International Journal of Information Management*, 30(5): 416–424.
- Kelly, Kevin (2014). The future of AI? Helping human beings think smarter. <http://www.wired.co.uk/magazine/archive/2014/12/features/brain-power>, last accessed 10 August 2015.
- Kenny, Vincent (2009). There's nothing like the real thing. Revisiting the need for a third-order cybernetics. *Constructivist Foundations*, 4(2): 100–111.
- Kerr, Norbert L. (1998). HARKing: Hypothesizing after the results are known. *Personality and Social Psychology Review*, 2(3): 196–217.
- Khoury, Muin J., & Ioannidis, John P. A. (2014). Big data meets public health: Human well-being could benefit from large-scale data if large-scale noise is minimized. *Science*, 346(6213): 1054–1055.
- Kidwell, Jillinda, Vander Linde, Karen M., & Johnson, Sandra L. (2000). Applying corporate knowledge management practices in higher education. *EDUCAUSE Quarterly* 23(4): 28–33.
- Kilduff, Martin (2006). Editor's comments: Publishing theory. *Academy of Management Review*, 31(2): 252–255.
- Kiley, Ellen P. (Ed.) (2005). *World of Warcraft. The roleplaying game*. Stone Mountain, GA: Sword and Sorcery.
- Kim, Gang-Hoon, Trimi, Silvana, & Chung, Ji-Hyong (2014). Big-data applications in the government sector. *Communications of the ACM*, 57(3): 78–85.
- Kim, Jeffrey, Lund, Arnie, & Dombrowski, Caroline (2013). Telling the story in big data. *interactions*, 20(3): 48–51.
- Kim, Oliver W. (2014). The Moneyball myth. <http://www.thecrimson.com/article/2014/3/10/the-moneyball-myth>, last accessed 25 April 2016.
- Kirilenko, Andrei A., Kyle, Albert S., Samadi, Mehrdad, & Tuzun, Tugkan (2015). *The flash crash: The impact of high frequency trading on an electronic market*. SSRN Working Paper, 1–41.

- Kitchin, Rob (2013). Big data and human geography Opportunities, challenges and risks. *Dialogues in Human Geography*, 3(3): 262–267.
- Kitchin, Rob (2014a). *The data revolution. Big data, open data, data infrastructures & their consequences*. Los Angeles: SAGE.
- Kitchin, Rob (2014b). Big data, new epistemologies and paradigm shifts. *Big Data & Society*, 1(1): 1–12.
- Kitchin, Rob (2014c). The real-time city? Big data and smart urbanism. *GeoJournal*, 79(1): 1–14.
- Kitchin, Rob, & Dodge, Martin (2011). *Code/Space: Software and everyday life*. Cambridge: MIT Press.
- Kitchin, Rob, & Lauriault, Tracey P. (2015). Towards critical data studies: Charting and unpacking data assemblages and their work. *The Programmable City Working Paper 2*, 1–19.
- Klein, Hans K., & Kleinman, Daniel L. (2002). The social construction of technology: Structural considerations. *Science, Technology & Human Values*, 27(1): 28–52.
- Kleinberg, Jon & Mullainathan, Sendhil (2015). We built them, but we don't understand them. In John Brockman (Ed.). *What to think about machines that think* (pp. 62–65). New York: Harper Perennial.
- Gluckhohn, Florence R., & Strodtbeck, Fred L. (1961). *Variations in value orientations*. Evanston, IL and Elmsford, NY: Row, Peterson.
- Knop, Cartsten (2014): Dem deutschen Mittelstand ist die Digitalisierung egal. *Frankfurter Allgemeine Zeitung*, 211 (11. September): 25.
- Koch, Tom (2004). The map as intent: variations on the theme of John Snow. *Cartographica: The International Journal for Geographic Information and Geovisualization*, 39(4): 1–14.
- Kosko, Bart (2015). Thinking machines = old algorithms on faster computers. In John Brockman (Ed.). *What to think about machines that think* (pp. 423–426). New York: Harper Perennial.
- Kosslyn, Stephen M. (2015). Another kind of diversity. In John Brockman (Ed.). *What to think about machines that think* (pp. 228–230). New York: Harper Perennial.
- Kowalski, Robert (2011). *Computational logic and human thinking. How to be artificially intelligent*. Cambridge: Cambridge University Press.
- Kranzberg, Melvin (1986). Technology and history: “Kranzberg’s Laws”. *Technology and Culture*, 27(3): 544–560.
- Kraska, Tim (2013). Finding the Needle in the Big Data Systems Haystack. *IEEE Internet Computing*, 17(1): 84–86.
- Krech, David, & Crutchfield, Richard S. (1948). *Theory and problems of social psychology*. New York: McGraw-Hill.
- Krugman, Paul (1996). *The self-organizing economy*. Oxford: Blackwell.

- Kucklick, Christoph (2014). *Die granulare Gesellschaft. Wie das Digitale unsere Wirklichkeit auflöst*. Berlin: Ullstein.
- Kugler, Logan (2016). What happens when big data blunders? *Communications of the ACM*, 59(6): 15–16.
- Kühl, Stefan (Eds.). *Schlüsselwerke der Organisationsforschung*. Wiesbaden: Springer VS.
- Kuhn, Kristine M. (2013). What we overlook: Background checks and their implications for discrimination. *Industrial and Organizational Psychology*, 6(4): 419–423.
- Kuhn, Thomas S. (1962). *The structure of scientific revolutions*. Chicago: University of Chicago Press.
- Kull, Christoph (2016). Karriere im Algorithmus. *Business Punk*, 5(3): 13.
- Kuner, Christopher, Cate, Fred H., Millard, Christopher, & Svantesson, Dan Jerker B. (2012). The challenge of 'big data' for data protection. *International Data Privacy Law*, 2(2): 47–49.
- Kunz, William M. (2006). *Culture conglomerates: Consolidation in the motion picture and tele-vision industries*. New York: Rowman & Littlefield.
- Kuper, Simon (2008). Milan Lab's secret of youth, <http://www.ft.com/cms/s/0/c56b9be6-e6ff-11dc-b5c3-0000779fd2ac.html>, last accessed 25 April 2016.
- Knuth, Donald (2011). The art of programming. *ITNOW*, 53(4): 18–19.
- Kurzweil, Ray (2006). *The singularity is near: When humans transcend biology*. New York: Viking.
- LaFrance, Adrienne (2015). Not even the people who write algorithms really know how they work. <http://www.theatlantic.com/technology/archive/2015/09/not-even-the-people-who-write-algorithms-really-know-how-they-work/406099/>, last accessed 23 April 2016.
- Lagoze, Carl (2014). Big data, data integrity, and the fracturing of the control zone. *Big Data & Society*, 1(2): 1–11.
- Lane, Julia (2016). Big data: The role of education and training. *Journal of Policy Analysis and Management*, 35(3): 722–724.
- Laney, Douglas (2001). *3D data management: Controlling data volume, velocity and variety*. Stamford, CT: META Group.
- Lange, Lydia L. (2002). The impact factor as a phantom: Is there a self-fulfilling prophecy effect of impact? *Journal of Documentation*, 58(2): 175–184.
- Laplace, Pierre-Simon (1951). *A philosophical essay on probabilities*. New York: Dover.
- Larose, Daniel T. (2014). *Discovering knowledge in data: an introduction to data mining*. Hoboken, NJ: Wiley.
- Lashinsky, Adam (2016). Exclusive Q&A: Apple CEO Tim Cook. <http://fortune.com/tim-cook-apple-q-and-a>, last accessed 25 April 2016.

- Latour, Bruno (1987). *Science in action: How to follow scientists and engineers through society*. Milton Keynes: Open University Press.
- Latour, Bruno (1988). *The pasteurization of France*. Cambridge: Harvard University Press.
- Latour, Bruno (1991). Technology is society made durable. In John Law (Ed.). *A sociology of monsters: Essays on power, technology and domination* (pp. 103–132). London: Routledge.
- Latour, Bruno (1992). Where are the missing masses? The sociology of a few mundane artefacts. In Wiebe Bijker & John Law (Eds.). *Shaping technology / Building society: studies in sociotechnical change* (pp 225–258). Cambridge: MIT Press.
- Latour, Bruno (1999). On recalling ANT. *Sociological Review*, 47(S1): 15–25.
- Latour, Bruno (2002). Gabriel Tarde and the end of the social. In Patrick Joyce (Ed.). *The social question. New bearings in history and the social science* (pp. 117–132). London: Routledge.
- Latour, Bruno (2005). *Reassembling the social. An introduction to actor-network-theory*. Oxford: Oxford University Press.
- Latour, Bruno, Jensen, Pablo, Venturini, Tommaso, Grauwin, Sébastien, & Boullier, Dominique (2012). 'The whole is always smaller than its parts' – A digital test of Gabriel Tardes' monads. *British Journal of Sociology* 63(4): 590–615.
- Law, John (1992). Notes on the theory of the actor-network-theory: Ordering, strategy, and heterogeneity. *Systems Practice*, 5(4): 379–393.
- Lawson, Clive (2004). Technology, technological determinism and the transformational model of technical activity. *Proceedings of the 2004 Annual Conference of the International Association for Critical Realism*, Cambridge, UK, 1–24.
- Lay, Dwane (2012). Why the WSJ is dead wrong about Moneyball, <http://leanhrblog.com/why-the-wsj-is-dead-wrong-about-moneyball>, last accessed 26 April 2016.
- Layton, Edwin T. (1974). Technology as knowledge. *Technology and Culture*, 15(1): 31–41.
- Lazer, David, Kennedy, Ryan, King, Gary, & Vespignani, Alessandro (2014). The parable of Google Flu: Traps in big data analysis. *Science*, 343 (6176):1203–1205.
- Lazer, David, Pentland, A. Sandy, Adamic, Lada, Aral, Sinan, Barabási, Albert-Laszlo, Brewer, Devon, Christakis, Nicholas, Contractor, Noshir, Fowler, James, Gutmann, Myron, Jebara, Tony, King, Gary, Macy, Michael, Roy, Deb, & Van Alstyne, Marshall (2009). Life in the network: The coming age of computational social science. *Science*, 323(5915): 721–723.
- Lazonder, Ard W., Biemans, Harm J. A., & Wopereis, Iwan G. J. H. (2000). Differences between novice and experienced users in searching information on the World Wide Web. *Journal of the American Society for Information Science*, 51(6): 576–581.

- Le Gal, Christophe, Martin, Jérôme, Lux, Augustin, & Crowley, James L. (2001). Smart office: Design of an intelligent environment. *IEEE Intelligent Systems*, 16(4): 60–66.
- Leahu, Lucian, Schwenk, Steve, & Sengers, Phoebe (2008). Subjective objectivity: Negotiating emotional meaning. *Proceedings of the 7th ACM Conference on Designing Interactive Systems*, Cape Town, South Africa, 425–434.
- Lee, Tim (2015). A place in the history books. *IEEE Microwave Magazine*, 16(2): 8–9.
- Lee, Irene, Martin, Fred, Denner, Jil, Coulter, Bob, Allan, Walter, Erickson, Jeri, Malyn-Smith, Joyce, & Werner, Linda (2011). Computational thinking for youth in practice. *ACM Inroads*, 2(1): 32–37.
- Lee, Yang, Madnick, Stuart, Wang, Richard, Wang, Forea, & Zhang, Hongyun (2014). A cubic framework for the chief data officer: Succeeding in a world of big data. *MIS Quarterly Executive*, 13(1): 1–13.
- Lem, Stanislav (2013). *Summa technologiae*. Minnesota: Minnesota University Press.
- Leonelli, Sabina (2014). What difference does quantity make? On the epistemology of Big Data in biology. *Big Data & Society*, 1(1): 1–11.
- Lepak, David P., & Snell, Scott. A. (1998). Virtual HR: Strategic human resource management in the 21st century. *Human Resource Management Review*, 8(3): 215–234.
- Lepak, David P., & Snell, Scott. A. (1999). The human resource architecture: Toward a theory of human capital allocation and development. *Academy of Management Review*, 24(1): 31–48.
- Lepping, Peter (2011). Anticipatory obedience. *The Psychiatrist*, 35(7): 275–275.
- Lessig, Lawrence (2008). *Remix*. London: Bloomsbury.
- Levenson, Alec (2014). The promise of big data for HR. *People & Strategy*, 36: 22–26.
- Lévi-Strauss, Claude (1966). *The savage mind*. Chicago: University of Chicago Press.
- Levy, Marion J. (1952). *The structure of society*. Princeton, NJ: Princeton University Press.
- Levy, Steven (2000). *Insanely great: The life and times of Macintosh, the computer that changed everything*. New York: Penguin.
- Levy, Steven (2001). *Hackers: Heroes of the computer revolution*. New York: Penguin Books.
- Lewis, Michael (2003). *Moneyball: The art of winning an unfair game*. New York: W. W. Norton.
- Licklider, Joseph C. R., (1960). Man-Computer symbiosis. *IRE Transactions on Human Factors in Electronics*, 1(1): 4–11.
- Lindtner, Silvia (2014). Hackerspaces and the Internet of Things in China: How makers are reinventing industrial production, innovation, and the self. *China Information*, 28(2): 145–167.



- Lineweaver, Charles H., Fenner, Yeshe, & Gibson, Brad K. (2004). The galactic habitable zone and the age distribution of complex life in the Milky Way. *Science*, 303(5654): 59–62.
- Linton, Ralph (1936). *The study of man: An introduction*. New York: Appleton-Century-Crofts.
- Lisi, Antony G. (2015). I, for one, welcome our machine overlords. In John Brockman (Ed.). *What to think about machines that think* (pp. 22–24). New York: Harper Perennial.
- Lissack, Michael R. (1999). Complexity: The science, its vocabulary, and its relation to organizations. *Emergence*, 1(1): 110–126.
- Liu, Yang-Yu, Slotine, Jean-Jacques, & Barabási, Albert-László (2011). Controllability of complex networks. *Nature*, 473(7346): 167–173.
- Livingstone, Sonia (2004). Media literacy and the challenge of new information and communication technologies. *Communication Review*, 7(1): 3–14.
- Lloyd, David, Aon, Miguel A., & Cortassa, Sonia (2001). Why homeodynamics, not homeostasis? *Scientific World Journal*, 1: 133–145.
- Loebbecke, Claudia, Bienert, Joerg, & Sunyaev, Ali (2013). A parallel platform for big data analytics: A design science approach. *International Journal of Computer Science Engineering and Technology*, 3(5): 152–156.
- Loft, Anne (1995). Time is money. *Culture and Organization*, 1(1): 127–145.
- Lohr, Steve (2012). The age of big data. <http://www.nytimes.com/2012/02/12/sunday-review/big-datas-impact-in-the-world.html>, last accessed 08 February 2016.
- Lorenz, Edward N. (1963). Deterministic nonperiodic flow. *Journal of the Atmospheric Sciences*, 20(2): 130–141.
- Louridas, Panagiotis (1999). Design as bricolage: Anthropology meets design thinking. *Design Studies*, 20(6): 17–535.
- Lubatkin, Michael H., Simsek, Zeki, Ling, Yan, & Veiga, John F. (2006). Ambidexterity and performance in small-to medium-sized firms: The pivotal role of top management team behavioral integration. *Journal of Management*, 32(5): 646–672.
- Luca, Michael, Kleinberg, Jon, & Mullainathan, Sendhil (2016). Algorithms need managers, too. *Harvard Business Review*, 94(1): 96–101.
- Lucas, George (Director) (1997). *Star Wars – A New Hope*. San Rafael, CA: Lucasfilm.
- Lucas, George (Director) (1980). *Star Wars – The Empire Strikes Back*. San Rafael, CA: Lucasfilm.
- Luhmann, Niklas (1991). *Soziale Systeme. Grundriss einer allgemeinen Theorie*. Frankfurt am Main: Suhrkamp.
- Luhmann, Niklas (2011). *Einführung in die Systemtheorie*. Heidelberg: Carl-Auer.

- Lukoianova, Tatiana, & Rubin, Victoria L. (2014). Veracity roadmap: Is big data objective, truthful and credible? *Advances in Classification Research Online*, 24(1): 4–15.
- Lupton, Deborah (2015). The thirteen Ps of big data. <https://simplysocietyology.wordpress.com/2015/05/11/the-thirteen-ps-of-big-data>, last accessed 03 February 2016.
- Lycett, Mark (2013). Datafication: Making sense of (big) data in a complex world. *European Journal of Information Systems*, 22(4): 381–386.
- Lynch, Clifford (2008). Big data: How do your data grow? *Nature*, 455(7209): 28–29.
- Lyon, David (2003). *Surveillance as social sorting: Privacy, risk, and digital discrimination*. London: Routledge.
- Machlup, Fritz (1962). *Knowledge production and distribution in the United States*. Princeton: Princeton University Press.
- MacKenzie, Donald A. (1984). Marx and the machine. *Technology and Culture*, 25(3): 473–502.
- MacKenzie, Donald A., & Wajcman, Judy (1985). *The social shaping of technology*. Berkshire: Open University Press.
- MacQueen, James (1967). Some methods for classification and analysis of multivariate observations. *Proceedings of the Fifth Berkeley Symposium on Mathematical Statistics and Probability*, 1(14): 281–297.
- Madrigal, Alexis C. (2013). IBM's Watson memorized the entire 'Urban Dictionary', then his overlords had to delete it. <http://www.theatlantic.com/technology/archive/2013/01/ibms-watson-memorized-the-entire-urban-dictionary-then-his-overlords-had-to-delete-it/267047>, last accessed 08 February 2016.
- Mager, Astrid (2012). Algorithmic ideology: How capitalist society shapes search engines. *Information, Communication & Society*, 15(5): 769–787.
- Maguire, Steve (2011) Constructing and appreciating complexity. In Peter Allen, Steve Maguire, & Bill McKelvey (Eds.). *The SAGE handbook of complexity and management* (pp. 79–92). Thousand Oaks: Sage.
- Maguire, Steve, Allen, Peter, & McKelvey, Bill (2011) Complexity and management: Introducing the SAGE handbook. In Peter Allen, Steve Maguire, & Bill McKelvey (Eds.) *The SAGE handbook of complexity and management* (pp. 1–26). Thousand Oaks: Sage.
- Mainzer, Klaus (2014). *Die Berechnung der Welt. Von der Weltformel zu Big Data*. München: C. H. Beck.
- Mainzer, Klaus (2015). Industrie 4.0, richtig gestaltet, eröffnet neue Freiheitsgrade für die Menschen. *G.I.B. Info*, (4): 54–65.
- Mandelbrot, Benoît B. (1997). *Fractals: Form, chance and dimension*, New York: W. H. Freeman.

- Manovich, Lev (2011). *Trending: The promises and challenges of big social data*. In Matthew K. Cold (Ed.). *Debates in the digital humanities* (pp. 460–475). Minneapolis: University of Minnesota Press.
- Mansell, Robin (2016). Power, hierarchy and the internet: why the internet empowers and disempowers. *Global Studies Journal*, 9(2): 19–25.
- Manyika, James, Chui, Michael, Brown, Brad, Bughin, Jacques, Dobbs, Richard, Roxburgh, Charles, & Buyers, Angela H. (2011). *Big data: The next frontier for innovation, competition and productivity*. McKinsey Global Institute: 1–146.
- March, James G. (1978). Bounded rationality, ambiguity, and the engineering of choice. *Bell Journal of Economics*, 9(2): 587–608.
- March, James G. (1981). Footnotes to organizational change. *Administrative Science Quarterly*, 26(4): 563–577.
- March, James G. (1991). Exploration and exploitation in organizational learning. *Organization Science*, 2(1): 71–87.
- Marder, Eve (2015). Understanding brains: Details, intuition, and big data. *PLoS Biology*, 13(5): 1–6.
- Marion, Russ (1999) *The edge of organization: Chaos and complexity theories of formal social organizations*. Thousand Oaks: Sage.
- Marr, Bernard (2015). Is big data just a fad? <http://www.weforum.org/agenda/2015/03/is-big-data-just-a-fad>, last accessed 03 February 2016.
- Marron, B. A., & de Maine, Paul A. D. (1967). Automatic data compression. *Communications of the ACM*, 10(11): 711–715.
- Martin, Ben R. (2010). The origins of the concept of ‘foresight’ in science and technology: An insider’s perspective. *Technological Forecasting and Social Change*, 77(9): 1438–1447.
- Martin, Patricia Y., & Turner, Barry A. (1986). Grounded theory and organizational research. *Journal of Applied Behavioural Science*, 22(2): 141–157.
- Marx, Karl (1971). *The poverty of philosophy*. New York: International Publishers.
- Marx, Leo, & Smith, Merritt R. (1994). Introduction. In Merritt R. Smith, & Leo Marx (Eds.). *Does technology drive history? The dilemma of technological determinism* (pp. ix–xv). Cambridge, MA: MIT Press.
- Marz, Nathan, & Warren, James (2005). *Big data: Principles and best practices of scalable realtime data systems*. Manning, NY: Manning Publications.
- Mason, Daniel S., & Foster, William M. (2007). Putting Moneyball on ice? *International Journal of Sport Finance*, 2(4): 206–213.
- Mass Effect 2 (2010). Edmonton: Bioware.
- Maturana, Humberto R. (1970). Neurophysiology of cognition. In Paul L. Garvin (Ed.). *Cognition. A multiple view* (pp. 3–23). New York: Spartan Books.

- Maturana, Humberto R. (1987). The biological foundation of self-consciousness and the physical domain of existence. In Eduardo R. Caianiello (Ed.) *Physics of cognitive processes* (pp. 324–379). Singapore: World Scientific.
- Maturana, Humberto R., & Varela, Francisco J. (1972). *Autopoiesis and cognition. The realization of the living*. Dordrecht: Reidel Publishing.
- Matzner, Tobias (2014). Why privacy is not enough privacy in the context of “ubiquitous computing” and “big data”. *Journal of Information, Communication and Ethics in Society*, 12(2): 9–106.
- Maxwell, James C. (1882). *The life of James Clerk Maxwell*. London: Macmillan.
- Mayer-Schönberger, Viktor (2014). Neue Erkenntnisse über die Wirklichkeit. *Forschung und Lehre*, 21: 706–707.
- Mayer-Schönberger, Viktor, & Cukier, Kenneth (2013). *Big data: A revolution that will transform how we live, work, and think*. Boston: Houghton Mifflin Harcourt.
- Mayer, Marta C., & Pirri, Fiora (1996). Abduction is not deduction-in-reverse. *Logic Journal of IGPL*, 4(1): 95–108.
- McAfee, Andrew, & Brynjolfsson, Eric (2012). Big data: The management revolution. *Harvard Business Review*, 90(10): 60–68.
- McCandless, David (2010). Data, information, knowledge, wisdom, <http://www.informationisbeautiful.net/2010/data-information-knowledge-wisdom>, last accessed 03 February 2016).
- McCann, Philip (2008). Globalization and economic geography: The world is curved, not flat. *Cambridge Journal of Regions, Economy and Society*, 1(3): 351–370.
- McCarthy, John (2007). From here to human-level AI. *Artificial Intelligence*, 171(18): 1174–1182.
- McCorduck, Pamela (2015). An epochal human event. In John Brockman (Ed.). *What to think about machines that think* (pp. 51–53). New York: Harper Perennial.
- McDonald, Robert (2011). Inside P&G’s digital revolution. *McKinsey Quarterly*, <http://www.mckinsey.com/industries/consumer-packaged-goods/our-insights/inside-p-and-ampps-digital-revolution>, last accessed 25 April 2016.
- McFedries, Paul (2013). Tracking the quantified self [Technically speaking]. *Spectrum, IEEE*, 50(8): 24–24.
- McKelvey, Bill (2004). Toward a complexity science of entrepreneurship. *Journal of Business Venturing*, 19(3): 313–341.
- McKelvey, Bill (2016). Complexity Ingredients Required for Entrepreneurial Success. *Entrepreneurship Research Journal*, 6(1): 53–73.
- McLain, David L., & Keenan, John P. (1999). Risk, information, and the decision about response to wrongdoing in an organization. *Journal of Business Ethics*, 19(3): 255–271.

- McLeod, Kari S. (2000). Our sense of Snow: The myth of John Snow in medical geography. *Social Science & Medicine*, 50(7): 923–935.
- McLuhan, Marshall (1967). *The medium is the message: An inventory of effects*. London: Penguin Books.
- McNeely, Connie L., & Hahm, Jong-On (2014). The big (data) bang: Policy, prospects, and challenges. *Review of Policy Research*, 31(4): 304–310.
- Mead, George H. (1934). *Mind, self, and society*. Chicago: University of Chicago Press.
- Medina, Eden (2006). Designing freedom, regulating a nation: Socialist cybernetics in Allende's Chile. *Journal of Latin American Studies*, 38(3): 571–606.
- Meehl, Paul E., & Rosen, Albert (1955). Antecedent probability and the efficiency of psychometric signs, patterns, or cutting scores. *Psychological Bulletin*, 52(3): 194–216.
- Meijs, Michel (2002). The myth of manageability of corporate identity. *Corporate Reputation Review*, 5(1): 20–34.
- Merali, Yasmin, & Allen, Peter (2011). Complexity and systems thinking. In Peter Allen, Steve Maguire, & Bill McKelvey (Eds.). *The SAGE handbook of complexity and management* (pp. 31–52). Thousand Oaks: Sage.
- Merriam, Daniel F. (1974). Resource and environmental data analysis. *Geological Survey Professional Paper*, 921: 37–45.
- Merton, Robert K. (1936). The unanticipated consequences of purposive social action. *American Sociological Review*, 1(6): 894–904.
- Merton, Robert K. (1948). The self-fulfilling prophecy. *The Antioch Review*, 8(2):193–210.
- Merton, Robert K. (1961). Singletons and multiples in scientific discovery: A chapter in the sociology of science. *Proceedings of the American Philosophical Society*, 105(5): 470–486.
- Metcalf, Jacob, & Crawford, Kate (2016). Where are human subjects in big data research? The emerging ethics divide. *Big Data & Society*, 3, published online before print.
- Miceli, Marcia P., & Near, Janet P. (1994). Whistleblowing: Reaping the benefits. *Academy of Management Executive*, 8(3): 65–72.
- Michael, Katina, & Michael, M. G. (2013). No limits to watching. *Communications of the ACM*, 56(11): 26–28.
- Microsoft (2013). The big bang: How the big data explosion is changing the world. <https://news.microsoft.com/2013/02/11/the-big-bang-how-the-big-data-explosion-is-changing-the-world/>, last accessed 03 February 2016.
- Miller, Arthur R. (1971). *The assault on privacy. Computers, data banks, and dossier*. Ann Arbor: University of Michigan Press.

- Miller, Claire C. (2015). Can an algorithm hire better than a human? [http://www.nytimes.com/2015/06/26/upshot/can-an-algorithm-hire-better-than-a-human.html?\\_r=0](http://www.nytimes.com/2015/06/26/upshot/can-an-algorithm-hire-better-than-a-human.html?_r=0), last accessed 04 February 2016.
- Miller, Gregory S. (2006). The press as a watchdog for accounting fraud. *Journal of Accounting Research*, 44(5): 1001–1033.
- Miller, H. Gilbert, & Mork, Peter (2013). From data to decisions: A value chain for big data. *IT Professional*, 15(1): 57–59.
- Miller, Harvey J. (2010). The data avalanche is here. Shouldn't we be digging? *Journal of Regional Science*, 50(1): 181–201.
- Miller, John H. (2015). *A crude look at the whole. The science of complex systems in business, life, and society*. New York: Basic Books.
- Miller, Kent D. (2008). Simon and Polanyi on rationality and knowledge. *Organization Studies*, 29(7): 933–955.
- Miller, Marc (2013). HR and big data: Not yet, first things first! *Workforce Solutions Review*, August/September: 39–40.
- Miller, Richard W. (1984). *Analyzing Marx: Morality, power and history*. Princeton, NJ: Princeton University Press.
- Minecraft (2009). Stockholm: Mojang.
- Minsky, Marvin (1961). Steps toward artificial intelligence. *Proceedings of the IRE*, 49(1): 8–30.
- Mintzberg, Henry, & McHugh, Alexandra (1985). Strategy formation in an adhocracy. *Administrative Science Quarterly* 30(2): 160–197.
- Mitchell, Tom M. (1997) *Machine learning*. New York: McGraw-Hill.
- Mittal, Sparsh (2016). A survey of techniques for approximate computing. *ACM Computing Surveys*, 48(4): 62.
- Mittelstadt, Brent D., & Floridi, Luciano (2015). The ethics of big data: current and foreseeable issues in biomedical contexts. *Science and Engineering Ethics*, published online before print: 1–39.
- Mohri, Mehryar, Rostamizadeh, Afshin, & Talwalkar, Ameet (2012). *Foundations of machine learning*. Cambridge: MIT Press.
- Monroe, Burt L., Pan, Jennifer, Roberts, Margaret E., Sen, Maya, & Sinclair, Betsy (2015). No! Formal theory, causal inference, and big data are not contradictory trends in political science. *PS: Political Science & Politics*, 48(1): 71–74.
- Moore, Don A. & Healy, Paul J. (2008). The trouble with overconfidence. *Psychological Review*, 115(2): 502–517.
- Mordvintsev, Alexander, Olah, Christopher, & Tyka, Mike (2015). Inceptionism: Going deeper into neural networks, <http://googleresearch.blogspot.co.uk/2015/06/inceptionism-going-deeper-into-neural.html>, last accessed 08 February 2016.
- Moretti, Franco (2013). *Distant reading*. London: Verso.

- Morgan, Gareth (1982). Cybernetics and organization theory: Epistemology or technique? *Human Relations*, 35(7): 521–537.
- Morin, Edgar (2008). *On complexity*. Cresskill: Hampton Press.
- Morin, Edgar, & Coppel, Frank (1983). Beyond determinism: The dialogue of order and disorder. *SubStance*, 12(3): 22–35.
- Morozov, Evgeny (2013). *To save everything, click here: Technology, solutionism, and the urge to fix problems that don't exist*. Philadelphia: Perseus Books.
- Morris, Robert J. T., & Truskowski, Brian J. (2003). The evolution of storage systems. *IBM systems Journal*, 42(4): 205–217.
- Morrison, Keith (2005). Structuration theory, habitus and complexity theory: Elective affinities or old wine in new bottles? *British Journal of Sociology of Education*, 26(3): 311–326.
- Müller, Paul J. (1979). Data protection and social research – International perspectives. In Ekkehard Mochmann, & Paul J. Müller (Eds.). *Data protection and social science research* (pp. 11–26). Frankfurt am Main: Campus.
- Munakata, Toshinori (1998). *Fundamentals of the new artificial intelligence*. Heidelberg: Springer.
- Murdoch, Jonathan (1997). Inhuman/nonhuman/human: Actor-network theory and the prospects for a nondualistic and symmetrical perspective on nature and society. *Environment and Planning D: Society and Space*, 15(6): 731–756.
- Murthy, Dhiraj, & Bowman, Saqyer A. (2014). Big data solutions on a small scale: Evaluating accessible high-performance computing for social research. *Big Data & Society*, 1(2): 1–12.
- Nafus, Dawn, & Sherman, Jamie (2014). This one does not go up to 11: The quantified self movement as an alternative big data practice. *International Journal of Communication*, 8: 1784–1794.
- Narayanan, Arvind, & Shmatikov, Vitaly (2008). Robust de-anonymization of large sparse datasets. *IEEE Symposium on Security and Privacy*, Oakland, CA, 111–125.
- Narayanan, Arvind, & Shmatikov, Vitaly (2010). Myths and fallacies of personally identifiable information. *Communications of the ACM*, 53(6): 24–26.
- New Scientist (2015). Rosetta. Touching down on a comet. <https://newsscientist.atavist.com/rosetta>, last accessed 25 April 2016.
- Newell, Sue, & Marabelli, Marco (2015). Strategic opportunities (and challenges) of algorithmic decision-making: A call for action on the long-term societal effects of 'datification'. *Journal of Strategic Information Systems*, 24(1): 3–14.
- Newman, Abraham. L. (2015b). What the 'right to be forgotten' means for privacy in a digital age. *Science*, 347(6221): 507–508.
- Newman, Blair (2015a). The pioneering AC Milan lab. <https://thesefootballtimes.co/2015/01/15/the-ac-milan-lab>, last accessed 25 April 2016.

- Newsom, S. W. B. (2006). Pioneers in infection control: John Snow, Henry Whitehead, the Broad Street pump, and the beginnings of geographical epidemiology. *Journal of Hospital Infection*, 64(3): 210–216.
- Nicholson, Scott (2012). A user-centered theoretical framework for meaningful gamification. *Proceedings of Games+Learning+Society 8.0*, Madison, WI, 223–230.
- Nickerson, David W., & Rogers, Todd (2014). Political campaigns and big data. *Journal of Economic Perspectives*, 28(2): 51–73.
- Nicolis, Gregoire, & Prigogine, Ilya (1977). *Self-organization in nonequilibrium systems*. Hoboken, NJ: Wiley.
- Nilsson, Nils J. (2005). Human-level artificial intelligence? Be serious! *AI Magazine*, 26(4): 68–75.
- Nisen, Max (2014). Google came up with a formula for deciding who gets promoted – here’s what happened. <http://qz.com/299112/google-came-up-with-a-formula-for-deciding-who-gets-promoted-heres-what-happened>, last accessed 25 April 2016.
- Nissenbaum, Helen (1996). Accountability in a computerized society. *Science and Engineering Ethics*, 2(1): 25–42.
- NIST Big Data Public Working Group (2014). *Big data interoperability framework: Definitions*. Gaithersburg, MD: National Institute of Standards and Technology.
- Nolan, Rachel (2012). Behind the cover story: How much does Target know? <http://6thfloor.blogs.nytimes.com/2012/02/21/behind-the-cover-story-how-much-does-target-know>, last accessed 16 February 2016.
- Nonaka, Ikujiro, & Takeuchi, Hirotaka (1995). *The knowledge-creating company: How Japanese companies create the dynamics of innovation*. Oxford: Oxford University Press.
- O’Leary, Daniel E. (2013). Artificial intelligence and big data. *IEEE Intelligent Systems*, 28(2): 96–99.
- O’Hara, Kieron, & Shadbolt, Nigel (2008). *The spy in the coffee machine. The end of privacy as we know it*. London: Oneworld.
- O’Neil, Cathy (2012). Let them game the model, <http://mathbabe.org/2012/02/03/let-them-game-the-model>, last accessed 26 April 2016.
- Obbema, Fokke, Vlaskamp, Marije, & Persson, Michael (2015). China rates its own citizens – including online behavior. <http://www.volkskrant.nl/buitenland/china-rates-its-own-citizens-including-online-behaviour-a3979668>, last accessed 25 April 2016.
- Ohm, Paul (2010). Broken promises of privacy: Responding to the surprising failure of anonymization. *UCLA Law Review*, 57: 1701–1777.
- Olavsrud, Thor (2014). How big data is helping to save the planet. <http://www.cio.com/article/2683133/big-data/how-big-data-is-helping-to-save-the-planet.html>, last accessed 09 February 2016.



- Olejnik, Lukasz, Acar, Gunes, Castelluccia, Claude, & Diaz, Claudia (2015) The leaking battery: A privacy analysis of the HTML5 Battery Status API. *Cryptology ePrint Archive, Report 2015/616*: 1–9.
- Oliver, Dean (2004). *Basketball on paper: Rules and tools for performance analysis*. Washington, D.C.: Brassey's.
- Olson, Donald R., Konty, Kevin J., Paladini, Marc, Viboud, Cecile, Simonsen, Lone (2013) Reassessing Google flu trends data for detection of seasonal and pandemic influenza: A comparative epidemiological study at three geographic scales. *PLoS Computational Biology*, 9(10): 1–11.
- Oprescu, Florin, Jones, Christian, Katsikitis, Mary (2014) I play at work – Ten principles for transforming work processes through gamification. *Frontiers in Psychology*, 5: 1–5.
- Orbach, Maya, Demko, Maegen, Doyle, Jeremy, Waber, Ben N., & Pentland, A. Sandy (2015). Sensing informal networks in organizations. *American Behavioral Scientist*, 59(4): 508–524.
- Orlikowski, Wanda J. (1992). The duality of technology: Rethinking the concept of technology in organizations. *Organization Science*, 3(3): 398–427.
- Orwell, George (1949). *Nineteen eighty-four*. Secker and Warburg, London.
- Oster, Gary (2009). Building innovation capacity in emerging markets. *Effective Executive*, 13(1): 10–16.
- Oswald, Margit E., & Grosjean, Stefan (2004). Confirmation bias. In Rüdiger F. Pohl (Ed.). *Cognitive illusions: A handbook on fallacies and biases in thinking, judgement and memory* (pp. 79–96). Hove and New York: Psychology Press.
- Otto, Paul N., Antón, Annie I., & Baumer, David L. (2007). The ChoicePoint dilemma: How data brokers should handle the privacy of personal information. *IEEE Security & Privacy*, 5(5): 15–23.
- Özdemir, Vural, Badr, Kamal F., Dove, Edward S., Endrenyi, Laszlo, Geraci, Christy J., Hotez, Peter J., Milius, Djims, Neves-Pereira, Maria, Pang, Tikki, Rotimi, Charles, N., Sabra, Ramzi, Sarkissian, Chrtineh N., Srivastava, Sanjeeva, Tims, Hesther, Zgheib, Nathalie K., & Kickbusch, Ilona (2013). Crowd-funded micro-grants for genomics and “big data”: An actionable idea connecting small (artisan) science, infrastructure science and citizen philanthropy. *OmicS: A Journal of Integrative Biology*, 17(4): 161–172.
- Palmas, Karl (2011). Predicting what you'll do tomorrow: Panspectric surveillance and the contemporary corporation. *Surveillance & Society*, 8(3): 338–354.
- Pannabecker, John R. (1991). Technological impacts and determinism in technology education: Alternate metaphors from social constructivism. *Journal of Technology Education*, 3(1), <http://scholar.lib.vt.edu/ejournals/JTE/v3n1/html/pannabecker.html>, last accessed 28 April 2016.

- Pantzar, Mika, & Shove, Elizabeth (Eds.) (2005) *Manufacturing leisure*. Helsinki: National Consumer Research Centre.
- Parameswaran, Ashwin (2013). How to commit fraud and get away with it: A guide for CEOs. <http://www.macrosilience.com/2013/12/04/how-to-commit-fraud-and-get-away-with-it-a-guide-for-ceos/>, last accessed 23 April 2016.
- Parenti, Christian (2001). Big brother's corporate cousin: High-tech workplace surveillance is the hallmark of a new digital Taylorism. *The Nation*, 273(5): 26–30.
- Pariser, Eli (2011). *The filter bubble: What the Internet is hiding from you*. Penguin: London.
- Park, Sungmee, & Jayaraman, Sundaresan (2003). Enhancing the quality of life through wearable technology. *IEEE Engineering in Medicine and Biology Magazine*, 22(3): 41–48.
- Parker, Martin (1998). Judgement day: Cyberorganization, humanism and postmodern ethics. *Organization*, 5(4): 503–518.
- Parry, Emma (2014). E-HRM: A catalyst for changing the HR function? In Francisco J. Martínez-López (Ed.). *Handbook of strategic e-Business management* (pp. 589–604). Heidelberg: Springer.
- Parsons, Talcott (1951). Illness and the role of the physician: A sociological perspective. *American Journal of Orthopsychiatry*, 21(3): 452–460.
- Pasquale, Frank (2015). *The black box society. The secret algorithms that control money and information*. Cambridge: Harvard University Press.
- Patrick, Robert L. (1977). *Performance assurance and data integrity practices*. Gaithersburg, MD: National Bureau of Standards.
- Paul, Christopher A. (2011). Optimizing play: How theorycraft changes gameplay and design. *Game Studies*, 11(2), <http://gamestudies.org/1102/articles/paul>, last accessed 28 April 2016.
- Pawson, Ray, Wong, Geoff, & Owen, Lesley (2011). Known knowns, known unknowns, unknown unknowns: the predicament of evidence-based policy. *American Journal of Evaluation*, 32(4): 518–546.
- Peck, Don (2013). They're watching you at work. <http://www.theatlantic.com/magazine/archive/2013/12/theyre-watching-you-at-work/354681>, last accessed 10 June 2016.
- Peirce, Charles S. (1958). *Collected works: 1931–1958*. Cambridge: Harvard University Press.
- Pentland, A. Sandy (2010). To signal is human. Real-time data mining unmask the power of imitation, kith and charisma in our face-to-face social networks, *American Scientist*, 98(3): 204–211.
- Pentland, A. Sandy (2014). *Social physics: How good ideas spread – The lessons from a new science*. New York: Penguin Books.

- Pescosolido, Bernice A. (1992). Beyond rational choice: The social dynamics of how people seek help. *American Journal of Sociology*, 97(4): 1096–1138.
- Peteranderl, Sonja (2016). Notruf eins null null null eins null. *Wired*, 2(1): 13–15.
- Peters, Brad (2012). The big data gold rush. <http://www.forbes.com/sites/bradpeters/2012/06/21/the-big-data-gold-rush/#6b87676a5710>, last accessed 26 April 2016.
- Pickles, John (Ed.) (1995). *Ground truth: The social implications of geographic information systems*. New York: Guilford Press.
- Pierre, Magali, Jemelin, Christophe, & Louvet, Nicolas (2011). Driving an electric vehicle. A sociological analysis on pioneer users. *Energy Efficiency*, 4(4): 511–522.
- Pinch, Trevor J. (2009). The social construction of technology (SCOT): The old, the new, and the nonhuman. In Phillip Vannini (Ed.). *Material culture and technology in everyday life: Ethnographic approaches* (pp. 45–58). New York: Peter Lang.
- Pinch, Trevor J., & Bijker, Wiebe E. (1984). The social construction of facts and artefacts: Or how the sociology of science and the sociology of technology might benefit each other. *Social Studies of Science*, 14(3): 399–441.
- Pittinsky, Todd L. (2016). We're making the wrong case for diversity in Silicon Valley. <https://hbr.org/2016/04/were-making-the-wrong-case-for-diversity-in-silicon-valley>, last accessed 26 April 2016.
- Poincaré, Henri (1881). Mémoire sur les courbes définies par une équation différentielle. *Journal de Mathématiques Pures et Appliquées*, 3(7): 375–422.
- Poincaré, Henri (1914). *Science and method*. London: Thomas Nelson and Sons.
- Pongratz, Hans J., & Voß, G. Günter (1997). Fremdorganisierte Selbstorganisation. Eine soziologische Diskussion aktueller Managementkonzepte. *Zeitschrift für Personalforschung*, 11(1): 30–53.
- Poole, David, Mackworth, Alan, & Goebel, Randy (1998). *Computational intelligence: A logical approach*. Oxford: Oxford University Press.
- Popper, Karl R. (1959). *The logic of scientific discovery*. London: Routledge.
- Popper, Karl. R. (1963). *Conjectures and refutations*. London: Routledge.
- Porter, Theodore M. (1996). *Trust in numbers: The pursuit of objectivity in science and public life*. Princeton: Princeton University Press.
- Postman, Neil (1992). *Technopoly*. New York: Vintage Books.
- Pouvreau, David, & Drack, Manfred (2007). On the history of Ludwig von Bertalanffy's "General Systemology", and on its relationship to cybernetics: Part I: Elements on the origins and genesis of Ludwig von Bertalanffy's "General Systemology". *International Journal of General Systems*, 36(3): 281–337.
- Pratchett, Terry, & Baxter, Stephen (2012). *The long earth*. New York: Doubleday.
- Prensky, Marc (2001). Digital natives, digital immigrants. *On the Horizon*, 9(5): 1–6.
- Prensky, Marc (2009). H. sapiens digital: From digital immigrants and digital natives to digital wisdom. *Innovate: Journal of Online Education*, 5(3), <http://nsuworks>.

- nova.edu/cgi/viewcontent.cgi?article=1020&context=innovate, last accessed 09 February 2016.
- Preskill, John (1998). Quantum computing: Pro and con. *Proceedings of the Royal Society of London A: Mathematical, Physical and Engineering Sciences*, 454(1969): 469–486.
- Priestly, Jennifer (2015). We're all data geeks now, *IEEE Spectrum*, 52(8): 29.
- Prigogine, Ilya, & Stengers, Isabelle (1984). *Order out of chaos*. New York: Bantam Books.
- Pronin, Emily, Lin, Daniel Y., & Ross, Lee (2002). The bias blind spot: Perceptions of bias in self versus others. *Personality and Social Psychology Bulletin*, 28(3): 369–381.
- Provine, William B. (1986). *Sewall Wright and evolutionary biology*. Chicago: University of Chicago Press.
- Provost, Foster, & Fawcett, Tom (2013). Data science and its relationship to big data and data-driven decision making. *Big Data*, 1(1): 51–59.
- Puschmann, Cornelius, & Burgess, Jean (2014). Metaphors of big data. *International Journal of Communication*, 8: 1690–1709.
- Qiu, Jack L. (2015). Reflections on Big Data: 'Just because it is accessible does not make it ethical'. *Media, Culture & Society*, 37(7): 1089–1094.
- Quan-Haase, Anabel (2016). *Technology & Society. Social networks, power, and inequality*. Don Mills, Ontario: Oxford University Press.
- Raftopoulos, Marigo (2014). Towards gamification transparency: A conceptual framework for the development of responsible gamified enterprise systems. *Journal of Gaming & Virtual Worlds*, 6(2): 159–178.
- Ramo, Danielle E., Rodriguez, Theresa M., Chavez, Kathryn, Sommer, Markus J., & Prochaska, Judith J. (2014). Facebook recruitment of young adult smokers for a cessation trial: methods, metrics, and lessons learned. *Internet Interventions*, 1(2): 58–64.
- Rao, Hayagreeva (1998). Caveat emptor: The construction of nonprofit consumer watchdog organizations. *American Journal of Sociology*, 103(4): 912–961.
- Rätsch, Christian (2015). Big data führt zum Stillstand. <http://www.manager-magazin.de/unternehmen/it/big-data-verhindert-innovationen-in-unternehmen-a-1034854.html>, last accessed 08 March 2016.
- Rawls, John (1971). *A theory of justice*. Cambridge: Harvard University Press.
- Rayport, Jeffrey F. (2011). What big data needs: A code of ethical practices. <http://www.technologyreview.com/news/424104/what-big-data-needs-a-code-of-ethical-practices>, last accessed 24 April 2016.
- Reay, Diane (2004). 'It's all becoming a habitus': Beyond the habitual use of habitus in educational research. *British Journal of Sociology of Education*, 25(4): 431–444.

- Reeves, Martin, Zeng, Ming, & Venjara, Amin (2015) The self-tuning enterprise. *Harvard Business Review*, 93(6): 76–83.
- Renn, Ortwin (2008). *Risk governance: Coping with uncertainty in a complex world*. London: Earthscan.
- Renn, Ortwin, Klinke, Andreas, van Asselt, Marjolein B. A. (2011) Coping with complexity, uncertainty and risk governance: A synthesis. *Ambio*, 40(2): 231–246.
- Rensberger, Boyce (2009). Science journalism: Too close for comfort. *Nature*, 459(7250): 1055–1056.
- Richards, Neil M., & King, Jonathan H. (2013). Three paradoxes of big data. *Stanford Law Review Online*, 66: 41–46.
- Richardson, James H. (2014). The Spotify paradox: How the creation of a compulsory license scheme for streaming on-demand music platforms can save the music industry. *UCLA Entertainment Law Review*, 22: 45–95.
- Richtel, Matt (2013). How big data is playing recruiter for specialized workers. <http://www.nytimes.com/2013/04/28/technology/how-big-data-is-playing-recruiter-for-specialized-workers.html>, last accessed 28 April 2016.
- Rieley, James B. (2000). Are your employees gaming the system? *National Productivity Review*, 19(3): 1–6.
- Rindova, Violina P., & Kotha, Suresh (2001). Continuous “morphing”: Competing through dynamic capabilities, form, and function. *Academy of Management Journal*, 44(6): 1263–1280.
- Robins, Richard W., Spranca, Mark D., & Mendelsohn, Gerald A. (1996). The actor-observer effect revisited: Effects of individual differences and repeated social interactions on actor and observer attributions. *Journal of Personality and Social Psychology*, 71(2): 375–389.
- Roncallo-Dow, Sergio, Uribe-Jongbloed, Enrique, Barker, Kim, & Scholz, Tobias M. (2013). Authorship in virtual worlds: Author’s death to rights revival? *Journal for Virtual Worlds Research*, 6(3): 1–15.
- Rosen, Jeffrey (2012). The right to be forgotten. *Stanford Law Review Online*, 64: 88–92.
- Rosenberg, Daniel (2013). Data before the fact. In Lisa Gitelman (Ed.). “Raw data” is an oxymoron (pp. 15–40). Cambridge: MIT Press.
- Ross, Lee, & Ward, Andrew (1997). Naive realism in everyday life: Implications for social conflict and misunderstanding. In Edward S. Reed, Elliot Turiel, & Terrence Brown (Eds.). *Values and knowledge* (pp. 103–135). Mahwah, NJ: Lawrence Erlbaum.
- Rosser, James C., Lynch, Paul J., Cuddihy, Laurie, Gentile, Douglas A., Klonsky, Jonathan, & Merrell, Ronald (2007). The impact of video games on training surgeons in the 21st century. *Archives of Surgery*, 142(2): 181–186.

- Rousseau, Denise M., Sitkin, Sim B., Burt, Ronald S., & Camerer, Colin (1998). Not so different after all: A cross-discipline view of trust. *Academy of Management Review*, 23(3): 393–404.
- Rousseau, Denise M., & Tijoriwala, Snehal A. (1998). Assessing psychological contracts: Issues, alternatives and measures. *Journal of Organizational Behavior*, 19(1): 679–695.
- Rubinstein, Ira S. (2013). Big data: the end of privacy or a new beginning? *International Data Privacy Law*, 3(2): 74–87.
- Ruckenstein, Minna, & Pantzar, Mika (2015). Beyond the quantified self: Thematic exploration of a dataistic paradigm. *New Media & Society*, published online before print.
- Rumelhart, David E., Hinton, Geoffrey E., & Williams, Ronald J. (1986). Learning representations by back-propagating errors. *Nature*, 323(6088): 533–536.
- Runkel, Phillip J., & Runkel, Margaret (1984). *A guide to usage for writers and students in the social sciences*. Totowa, NJ: Rowman and Allanheld.
- Russel, Stuart J. & Norvig, Peter (1995). *Artificial intelligence: A modern approach*. Englewood Cliffs, NJ: Prentice Hall.
- Russell, Chuck, & Bennett, Nathan (2014). Big data and talent management: Using hard data to make the soft stuff easy. *Business Horizons*, 58(3): 237–242.
- Russom, Philip. (2013). Managing big data. TDWI Best Practices Report, 1–40.
- Ruths, Derek, & Pfeffer, Jürgen (2014). Social media for large studies of behavior. *Science* 346(6213): 1063–1064.
- Ryan, Ann M., & Ployhart, Robert E. (2014). A century of selection. *Annual Review of Psychology*, 65: 693–717.
- Ryan, Richard M., & Deci, Edward L. (2000). Self-determination theory and the facilitation of intrinsic motivation, social development, and well-being. *American Psychologist*, 55(1): 68–78.
- Sagan, Carl (1996). *The demon-haunted world. Science as a candle in the dark*. New York: Ballantine Books.
- Sagie, Abraham, Elizur, Dov, & Koslowsky, Meni (1990). Effect of participation in strategic and tactical decisions on acceptance of planned change. *The Journal of Social Psychology*, 130(4): 459–465.
- Sahay, Sundeep (2003). Global software alliances: the challenge of ‘standardization’. *Scandinavian Journal of Information Systems*, 15(1): 3–21.
- Salen, Katie, & Zimmerman, Eric (2004). *Rules of play. Game design fundamentals*. Cambridge: MIT Press.
- Samuels, Warren J. (2000). Signs, pragmatism, and abduction: The tragedy, irony, and promise of Charles Sanders Peirce. *Journal of Economic Issues*, 34(1): 207–217.

- Sanchez, Ron, Heene, Aimé, & Thomas, Howard (1996). Introduction: Towards the theory and practice of competence-based competition. In Ron Sanchez, Aimé Heene, & Howard Thomas (Eds.). *Dynamics of competence-based competition. Theory and practice in the new strategic management* (pp. 1–35). Oxford: Pergamon.
- Saqib, Sheikh M., Khan, Hamid, M., Mahmood, K., & Naeem, T. (2015). BIG-data challenges: A review on existing solutions. *American Journal of Information Science and Computer Engineering*, 1(2): 38–43.
- Sawyer, R. Keith (2002). Durkheim's dilemma: Toward a sociology of emergence. *Sociological Theory*, 20(2): 227–247.
- Schaller, Robert R. (1997) Moore's law: Past, present and future. *IEEE Spectrum*, 34(6): 52–59.
- Schank, Roger (2015). Machines that think are in the movies. In John Brockman (Ed.). *What to think about machines that think* (pp. 132–135). New York: Harper Perennial.
- Schneier, Bruce (2015). *Data and goliath. The hidden battle to collect your data and control your world*. New York: W. W. Norton.
- Schoen, Harald, Gayo-Avello, Daniel, Takis Metaxas, Panagiotis, Mustafaraj, Eni, Strohmaier, Markus, & Gloor, Peter (2013). The power of prediction with social media. *Internet Research*, 23(5): 528–543.
- Scholz, Christian (1984). OR/MS methodology – A conceptual framework, *Omega*, 12(1): 53–61.
- Scholz, Christian, & Josephy, Norman (1984). Industry analysis: The pattern approach. *Harvard Business School Working Paper*, 84–44.
- Scholz, Christian (1987). Corporate culture and strategy – The problem of strategic fit. *Long Range Planning*, 20(4): 78–87.
- Scholz, Christian (2000). *Strategische Organisation. Multiperspektivität und Virtualität*. Landsberg, Lech: moderne industrie.
- Scholz, Christian (2014a). *Personalmanagement. Informationsorientierte und verhaltenstheoretische Grundlagen*. München: Vahlen.
- Scholz, Christian (2014b). Big Data in der Personalarbeit: Nein, danke, <http://ders.tandard.at/1388650688167/Big-Data-in-der-Personalarbeit-Nein-danke>, last accessed 26 April 2016.
- Scholz, Christian (2016). Smart durch Big Data? Plädoyer für eine kritische Betrachtung. *Wirtschaftspsychologie Aktuell*, 16 (2/2016), 25–30.
- Scholz, Tobias M. (2012). Talent management in the video game industry: The role of cultural diversity and cultural intelligence. *Thunderbird International Business Review*, 54(6): 845–858.
- Scholz, Tobias M. (2013a). Complex systems in organizations and their influence on human resource management. In Thomas Gilbert, Markus Kirkilionis, & Gregoire

- Nicolis (Eds.). Proceedings of the European conference on complex systems (pp. 745–750). Heidelberg: Springer.
- Scholz, Tobias M. (2013b). Does context matter? Conceptualizing relational contextualization. In Konstantin Mitgutsch, Simon Huber, Jeffrey Wimmer, Michael G. Wagner, & Herbert Rosenstingl (Eds.). *Context matters! Exploring and reframing games and play in context* (pp. 89–98). Vienna: new academic press.
- Scholz, Tobias M. (2013c). Spielend arbeiten – Parallelen zwischen der “World of Warcraft” und der “World of Warcraft”. In Bundesministerium für Wirtschaft, Familie und Jugend (Ed.). *Game Over. Was nun? Vom Nutzen und Nachteil des digitalen Spiels für das Leben* (pp. 107–117). Vienna: Bundesministerium für Wirtschaft, Familie und Jugend.
- Scholz, Tobias M. (2014). Data in faculties – the dean’s role in the brave new (data) world. In Christian Scholz, & Volker Stein (Eds.). *The dean in the university of the future* (pp. 155–161). München-Mering: Hampp.
- Scholz, Tobias M. (2015a). The impact of big data on the organization from an evolutionary perspective. 31th European Group for Organizational Studies Colloquium (EGOS), 1–21.
- Scholz, Tobias M. (2015b). The human role within organizational change: A complex system perspective. In Frank E. P. Dievernich, Kim O. Tokarski, & Jie Gong (Eds.). *Change management and the human factor: Advances, Challenges and Contradictions in Organizational Development* (pp. 19–31). Heidelberg: Springer.
- Scholz, Tobias M. (2015c). Game leadership – What can we learn from competitive games? In Julia Hiltcher, & Tobias M. Scholz (Eds.). *eSports yearbook 2013/14* (pp. 93–106). Norderstedt: Books on Demand.
- Scholz, Tobias M. (2016a). Una mirada a la textura causal e identidades múltiples para entender a los gurmés digitales – Una observación teórica. In Sergio Roncallo-Dow, Enrique Uribe-Jongbloed, Eduardo Gutiérrez (Eds.) *Identidades, Héroeos y discursos en la modernidad tardía* (pp. 151–163). Chía, Colombia: Universidad de La Sabana Colección Compilaciones.
- Scholz, Tobias M. (2016b). Language as means of dynamizing organizations. 32<sup>th</sup> European Group for Organizational Studies Colloquium (EGOS), 1–8.
- Scholz, Tobias M., & Reichstein, Matthis S. (2015): Wenn neue Paradigmen in die Gestaltung von Arbeitswelten eingreifen: Hacker-Ethos in der Digitalisierung. In Stephan Habscheid, Gero Hoch, Hilde Schröteler-von Brandt, & Volker Stein (Eds.). *Zum Thema: Gestalten gestalten. Diagonal Heft 36* (pp. 135–148). Göttingen: Vandenhoeck & Ruprecht.
- Schramm-Klein, Hanna, Zentes, Joachim, Steinmann, Sascha, Swoboda, Bernhard, & Morschett, Dirk (2016). Retailer corporate social responsibility is relevant to consumer behavior. *Business & Society*, 55(4): 550–575.
- Schroeck, Michael, Shockley, Rebecca, Smart, Janet, Romero-Morales, Dolores, & Tufano, Peter (2012). *Analytics: The real-world use of big data – How innovative*



- enterprises extract value from uncertain data. *IBM Global Business Services*, 1–20.
- Schroeder, Ralph (2014). Big data and the brave new world of social media research. *Big Data & Society*, 1(2): 1–11.
- Schulz, Kathryn (2011). What is distant reading? <http://www.nytimes.com/2011/06/26/books/review/the-mechanic-muse-what-is-distant-reading.html>, last accessed 28 April 2016.
- Schumpeter, Joseph A. (1942). *Capitalism, socialism, & democracy*. London: Routledge.
- Schwefel, Hans Paul (1994). On the evolution of evolutionary computation. *Proceedings of 3rd International Conference of IEEE World Congress on Computer Intelligence*, Orlando, FL, 116–124.
- Searle, John R. (1980). Minds, brains, and programs. *Behavioral and Brain Sciences*, 3(3): 417–424.
- Seaver, Nick (2015). The nice thing about context is that everyone has it. *Media, Culture & Society*, 37(7): 1101–1109.
- Segal, Howard P. (1985). *Technological utopianism in American culture*. Chicago: University of Chicago Press.
- Seife, Charles (2015). Big data: The revolution is digitized. *Nature*, 518(7540): 480–481.
- Sellen, Abigail, Rogers, Yvonne, Harper, Richard, & Rodden, Tom (2009). Reflecting human values in the digital age. *Communications of the ACM*, 52(3): 58–66.
- Seltzer, William (2005). The promise and pitfalls of data mining: Ethical issues. *Proceedings of the American Statistical Association, Section on Government Statistics*, 1441–1445.
- Selvin, Hanan C., & Stuart, Alan (1966). Data-dredging procedures in survey analysis. *The American Statistician*, 20(3): 20–23.
- Senge, Peter (1990). *The fifth discipline. The art and science of the learning organization*. New York: Currency Doubleday.
- Servick, Kelly (2015). Proposed study would closely track 10,000 New Yorkers. *Science*, 350(6260): 493–494.
- Shah, Shvetank, Horne, Andrew, & Capellá, Jaime (2012). Good data won't guarantee good decisions. *Harvard Business Review*, 90(4): 23–25.
- Shaw, Adrienne (2010). What Is video game culture? *Cultural studies and game studies. Games and Culture*, 5(4): 403–424.
- Shaw, Jonathan (2014). Why 'big data' is a big deal, *Harvard Magazine*, (March-April): 30–36.
- Shein, Esther (2014). Should everybody learn to code? *Communications of the ACM* 57(2): 16–18.

- Shen, Yung-Cheng, Bei, Lien-Ti, & Chu, Chia-Hsien (2011). Consumer evaluations of brand extension: The roles of case-based reminding on brand-to-brand similarity. *Psychology & Marketing* 28(1): 91–113.
- Shepard, Lea (2013). Seeking solutions to financial history discrimination. *Connecticut Law Review*, 46(3): 993–1044.
- Shepherd, Dean A., & Sutcliffe, Kathleen M. (2011). Inductive top-down theorizing: A source of new theories of organization. *Academy of Management Review*, 36(2): 361–380.
- Shermer, Michael (2008). Patternicity: Finding meaningful patterns in meaningless noise. <http://www.scientificamerican.com/article/patternicity-finding-meaningful-patterns>, last accessed 09 February 2016.
- Sheskin, David J. (2004). *Parametric and nonparametric statistical procedure*. Boca Raton, FL: CRC Press.
- Shilling, Chris (2004). Physical capital and situated action: A new direction for corporeal sociology. *British Journal of Sociology of Education*, 25(4): 473–487.
- Shmueli, Galit, & Koppius, Otto R. (2011). Predictive analytics in information systems research. *MIS Quarterly Executive*, 35(3): 553–572.
- Shneiderman, Ben (2008). Extreme visualization: Squeezing a billion records into a million pixels. *Proceedings of the ACM SIGMOD International Conference on Management of Data*, Vancouver, 3–12.
- Siggelkow, Nicolaj (2002). Evolution toward fit. *Administrative Science Quarterly*, 47(1): 125–159.
- Silberzahn, Raphael, & Uhlmann, Eric L. (2015). Crowdsourced research: Many hands make tight work. *Nature*, 526(7572): 189–191.
- Silver, Nate (2012). *The signal and the noise: Why most predictions fail – but some don't*. New York: Penguin.
- Silvermann, Rachel E. (2012). Big data upends the way workers are paid. <http://www.wsj.com/articles/SB10000872396390444433504577651741900453730>, last accessed 25 April 2016.
- Simon, Herbert A. (1959). Theories of decision making in economics and behavioural science. *American Economic Review*, 49(3): 253–283.
- Simon, Phil (2013). *Too big to ignore – The business case for big data*. Hoboken, NJ: Wiley.
- Simpsons, Lorenzo C. (1995). *Technology, time, and the conversations of modernity*. New York: Routledge.
- Sirmon, David G., Hitt, Michael A., & Ireland, R. Duane (2007). Managing firm resources in dynamic environments to create value: Looking inside the black box. *Academy of Management Review*, 32(1): 273–292.

- Singer, Matt (2015). Welcome to the 2015 recruiter nation, formerly known as the Social Recruiting Survey. <http://www.jobvite.com/blog/welcome-to-the-2015-recruiter-nation-formerly-known-as-the-social-recruiting-survey>, last accessed 20 May 2016.
- Smith, Adam (1776). *The wealth of nations*. London: Strahan and Cadell.
- Smith, Merritt R., & Marx, Leo (Eds.) (1994). *Does technology drive history? The dilemma of technological determinism*. Cambridge, MA: MIT Press.
- Smolan, Rick, & Erwit, Jennifer (2013). *The human face of big data*. New York: Sterling.
- Snow, John (1854). Cholera map, <https://commons.wikimedia.org/wiki/File:Snow-cholera-map-1.jpg>, last accessed 23 April 2016.
- Society for Human Resource Management (SHRM) (2010). Background checking: conducting credit background checks, <https://www.shrm.org/research/survey-findings/articles/pages/creditbackgroundchecks.aspx>, last accessed 27 April 2016.
- Soja, Edward W. (1999). In different spaces: The cultural turn in urban and regional political economy. *European Planning Studies*, 7(1): 65–75.
- Solove, Daniel J. (2011). *Nothing to hide: The false tradeoff between privacy and security*. New Haven, CA: Yale University Press.
- Sood, Ashish, & Tellis, Gerard J. (2005). Technological evolution and radical innovation. *Journal of Marketing*, 69(3): 152–168.
- Soodak, Harry, & Iberall, Arthur S. (1978). Homeokinetics: A physical science for complex systems. *Science*, 201(4356): 579–582.
- Sorgdrager, Bas, Hulshof, Carel T., & van Dijk, Frank J. H. (2004). Evaluation of the effectiveness of pre-employment screening. *International Archives of Occupational and Environmental Health*, 77(4): 271–276.
- Sotamaa, Olli (2010). When the game is not enough: Motivations and practices among computer game modding culture. *Games and Culture*, 5(3): 239–255.
- Spiegelhalter, David J. (2014). The future lies in uncertainty. *Science*, 345(6194): 264–265.
- Spier, Fred (2011). Complexity in big history. *Cliodynamics*, 2(1): 146–166.
- Spinellis, Diomidis (2001). Fear of coding, and how to reduce it. *Computer*, 34(8): 98–100.
- Spinney, Laura (2012). History as science. *Nature*, 488(7409): 24–26.
- Sprague, Robert (2015). Welcome to the machine: Privacy and workplace implications of predictive analytics. *Richmond Journal of Law & Technology*, 21(4): 1–46.
- Stacey Ralph D. (2001). *Complex responsive process in organizations: Learning and knowledge creation*. London: Routledge.
- Stam, Cees J., van der Velden, Natascha M., Rubio, Gerard, & Verlinden, Jouke C. (2014). Redefining the role of designers within an urban community using digital

- design and localized manufacturing of wearables. Proceedings of the 5th International Conference on Additive Technologies (iCAT), Vienna, 82–89.
- Stanley, Jay (2015). China's nightmarish citizen scores are a warning for Americans. <https://www.aclu.org/blog/free-future/chinas-nightmarish-citizen-scores-are-warning-americans>, last accessed 25 April 2016.
- Starcraft II: Legacy of the Void (2015). Irvine, CA: Blizzard Entertainment.
- Steadman, Ian (2013). Big data and the death of the theorist. <http://www.wired.co.uk/news/archive/2013-01/25/big-data-end-of-theory>, last accessed 09 February 2016.
- Stein, Volker (2000). Emergentes Organisationswachstum: Eine systemtheoretische "Rationalisierung". München and Mering: Hampp.
- Stein, Volker (2010a). Der Weg von Personalmanagement und Organisation zu Unternehmensüberlebensfunktionen: Lernimpulse für pädagogische Institutionen. Arbeitspapier Nr. 001 – 2010 des Lehrstuhls für Betriebswirtschaftslehre, insb. Personalmanagement und Organisation, Universität Siegen, 10.09.2010.
- Stein, Volker (2010b). Professionalisierung des Personalmanagements: Selbstverpflichtung als Weg. *Zeitschrift für Management*, 5(3): 201–205.
- Stein, Volker (2012). Prozessorientiertes Personalmanagement – dynamische Reorientierung betrieblicher Personalarbeit. In Volker Stein, & Stefanie Müller (Eds.). *Aufbruch des strategischen Personalmanagements in die Dynamisierung. Ein Gedanke für Christian Scholz* (pp. 284–190). Baden-Baden and München: Nomos and Vahlen.
- Stein, Volker (2013). Risk Governance – die personalwirtschaftliche Sicht. Arbeitspapier Nr. 004 – 2013 des Lehrstuhls für Betriebswirtschaftslehre, insb. Personalmanagement und Organisation, Universität Siegen, 12.06.2013.
- Stein, Volker (2014). Integration in Organisationen. Revision intrasystemischer Instrumente und Entwicklung zentraler Theoreme. München and Mering: Hampp.
- Stein, Volker (2015). Human resources development in times of digitalization: A dynamization agenda. Arbeitspapier Nr. 006 – 2015 des Lehrstuhls für Betriebswirtschaftslehre, insb. Personalmanagement und Organisation, Universität Siegen, 20.03.2015.
- Stein, Volker, & Müller, Stefanie (Eds.) (2012). *Aufbruch des strategischen Personalmanagements in die Dynamisierung. Ein Gedanke für Christian Scholz*. Baden-Baden and München: Nomos and Vahlen.
- Stein, Volker, & Scholz, Tobias M. (2016). Making dynamics work: The strategic potential of gamification for human resource management. 2nd Academy of Management HR Division International Conference, Sydney, 1–27.
- Stein, Volker, & Wiedemann, Arnd (2016). Risk governance: Conceptualization, tasks, and research agenda. *Journal of Business Economics*, published online before print.

- Stein, Volker, Schramm-Klein, Hanna, & Scholz, Tobias M. (2016). When ambidexterity meets informality: a hidden network versus shadow network perspective. Academy of Management Conference, Anaheim, 1–32.
- Stenros, Jaakko (2015). Playfulness, play, and games. A constructionist ludogoly approach. Tampere: Tampere University Press.
- Stinger, Matt (2015). Welcome to the 2015 recruiter nation, formerly known as the social recruiting survey. <http://www.jobvite.com/blog/welcome-to-the-2015-recruiter-nation-formerly-known-as-the-social-recruiting-survey>, last accessed 25 April 2016.
- Stone, Dianna L., Deadrick, Diana L., Lukaszewski, Kimberly M., & Johnson, Richard (2015). The influence of technology on the future of human resource management. *Human Resource Management Review*, 25(2): 216–231.
- Strong, Colin (2015). Humanizing big data: Marketing at the meeting of data, social science and consumer insight. London: Kogan Page.
- Suddaby, Roy (2006). From the editors: What grounded theory is not. *Academy of Management Journal*, 49(4): 633–642.
- Sull, Donald N., & Eisenhardt, Kathleen M. (2012). Simple rules for a complex world. *Harvard Business Review*, 90(9): 68–74.
- Sullivan, Daniel P., & Daniels, John D. (2008). Innovation in international business research: a call for multiple paradigms. *Journal of International Business Studies*, 39(6): 1081–1090.
- Sullivan, Ryan, Timmermann, Allan, & White, Halbert (1999). Data-snooping, technical trading rule performance, and the bootstrap. *Journal of Finance*, 54(5): 1647–1691.
- Suthaharan, Shan (2014). Big data classification: Problems and challenges in network intrusion prediction with machine learning. *ACM SIGMETRICS Performance Evaluation Review*, 41(4): 70–73.
- Sutton, Richard S. & Barto, Andrew G. (1995). Reinforcement learning: An introduction. Cambridge: MIT Press.
- Sutton, Robert L., & Staw, Barry M. (1995). What theory is not. *Administrative Science Quarterly*, 40(3): 371–384.
- Swan, Melanie (2013). The quantified self: Fundamental disruption in big data science and biological discovery. *Big Data*, 1(2): 85–99.
- Swan, Melanie (2015). Blockchain. Blueprint for a new economy. Sebastopol, CA: O'Reilly.
- Sydow, Jörg, Schreyögg, Georg, & Koch, Jochen (2009). Organizational path dependence: Opening the black box. *Academy of Management Review*, 34(4): 689–709.
- Takebayashi, Naok, & Morrell, Peter L. (2001). Is self-fertilization an evolutionary dead end? Revisiting an old hypothesis with genetic theories and a macroevolutionary approach. *American Journal of Botany*, 88(7): 1143–1150.

- Tallon, Paul P. (2013). Corporate governance of big data: Perspectives on value, risk, and cost. *Computer*, 46(6): 32–38.
- Tapscott, Don, & Tapscott, Alex (2016). *Blockchain revolution. How the technology behind bitcoin is changing money, business, and the world*. New York: Portfolio.
- Tarde, Gabriel (1893/2012). *Monadology and sociology*. Melbourne: re.press.
- Taylor, Frederick W. (1911). *The principles of scientific management*. New York: Harper & Brothers.
- Taylor, T. L. 2009. The assemblage of play. *Games and Culture*, 4(4): 331–339.
- Teece, David J., Pisano, Gary, & Shuen, Amy (1997). Dynamic capabilities and strategic management. *Strategic Management Journal*, 18(7): 509–533.
- Telgheder, Maike, & Brower-Rabinowitsch, Grischa (2016). Big-data fear plagues German healthcare. <https://global.handelsblatt.com/edition/396/ressort/companies-markets/article/big-data-phobia-plagues-german-healthcare>, last accessed 10 June 2016.
- Tene, Omer, & Polonetsky, Jules (2012). Privacy in the age of big data: a time for big decisions. *Stanford Law Review Online*, 64: 63–69.
- Tene, Omer, & Polonetsky, Jules (2013). Judged by the tin man: Individual rights in the age of big data. *Journal on Telecommunications and High Technology Law*, 11: 351–368.
- Thaler, Richard, & Sunstein, Cass (2008). *Nudge. Improving decisions about health, wealth, and happiness*. New Haven: Yale University Press.
- Thatcher, Jim (2014). Living on Fumes: Digital Footprints, Data Fumes, and the Limitations of Spatial Big Data. *International Journal of Communication*, 8: 1765–1783.
- Thoits, Peggy. A. (1983). Multiple identities and psychological well-being: A reformulation and test of the social isolation hypothesis. *American Sociological Review*, 48(2): 174–187.
- Thom, Norbert (2006). Entwicklungslinien – ein Beitrag zum Berufsbild des Organisations, in: Johannes-Kepler-Universität in Linz (Ed.). Dokumentation “Öffentliche und private Organisationen im Wandel (pp. 31–53). Linz: Trauner.
- Thomas, Gary, & James, David (2006). Reinventing grounded theory: Some questions about theory, ground and discovery. *British Educational Research Journal*, 32(6): 767–795.
- Thomas, Matt, & Wasmund, Sháá (2011). *The smarta way to do business*. Chichester: Capstone.
- Thompson, James D. (1956). On building an administrative science. *Administrative Science Quarterly*, 1(1): 102–111.
- Thorp, Jer (2012). Big data is not the new oil, <https://hbr.org/2012/11/data-humans-and-the-new-oil>, last accessed 26 April 2016.

- Tiffin, John, & Terashima, Nobuyoshi (Eds.) (2001). *HyperReality. Paradigm for the third millennium*. London: Routledge.
- Tilly, Charles (1984). The old new social history and the new old social history. *Review (Fernand Braudel Center)*, 7(3): 363–406.
- Todnem By, Rune (2005). Organisational change management: A critical review. *Journal of Change Management*, 5(4): 369–380.
- Toffler, Alvin (1970). *The future shock*. New York: Random House.
- Tokhi, Alexandros, & Rauh, Christian (2015). Die schiere Menge sagt noch nichts. *Big Data in den Sozialwissenschaften. WZB Mitteilungen*, 150: 6–9.
- Tolman, Edward C. (1948). Cognitive maps in rats and men. *Psychological Review*, 55(4): 189–208.
- Tourangeau, Roger, & Sternberg, Robert J. (1982). Understanding and appreciating metaphors. *Cognition*, 11(3): 203–244.
- Townley, Barbara (1993). Foucault, power/knowledge, and its relevance for human resource management. *Academy of Management Review*, 18(3): 518–545.
- Training Dummies (2016). Episode 122 – Meet the sims. <http://www.thetrainingdummies.com/2016/03/04/episode-122-meet-the-sims>, last accessed 11 May 2016.
- Transfermarkt (n.d.) Aufstellung FC Liverpool – AC Mailand, [http://www.transfermarkt.de/fc-liverpool\\_ac-mailand/aufstellung/spielbericht/68267](http://www.transfermarkt.de/fc-liverpool_ac-mailand/aufstellung/spielbericht/68267), last accessed 25 April 2016.
- Traub, Amy (2013) Credit reports and employment: findings from the 2012 national survey on credit card debt of low-and middle-income households. *Suffolk University Law Review*, 46: 983–995.
- Troester, Mark (2012). Big data meets big data analytics. Three key technologies for extracting real-time business value from the big data that threatens to overwhelm traditional computing architectures. SAS White Paper: 1–10.
- Trzebski, Andrzej (1994). Homeodynamics versus homeostasis: periodicities superimposed on non-linear dynamic sympathetic tone generated in ventral medulla. *Acta Neurobiologiae Experimentalis*, 54(2): 109–125.
- Tucker, Patrick (2013). Has big data made anonymity impossible? *MIT Technology Review Business Report*, 64–66.
- Tumasjan, Andranik, Sprenger, Timm O., Sandner, Philipp G., & Welpe, Isabell M. (2010) Predicting elections with twitter: What 140 characters reveal about political sentiment. *Proceedings of the Fourth International AAAI Conference on Weblogs and Social Media, Washington D.C.*, 178–185.
- Turchin, Peter (2008). Arise ‘cliodynamics’. *Nature*, 454(7200): 34–35.
- Turchin, Peter (2012). Psychohistory and cliodynamics. <https://evolution-institute.org/blog/psychohistory-and-cliodynamics>, last accessed 25 April 2016.

- Turing, Alan M. (1950). Computing machinery and intelligence. *Mind*, 59(236): 433–460.
- Tversky, Amos, & Kahneman, Daniel (1973). Availability: A heuristic for judging frequency and probability. *Cognitive Psychology*, 5(2): 207–232.
- Tversky, Amos, & Kahneman, Daniel (1974). Judgment under uncertainty: Heuristics and biases. *Science*, 185(4157): 1124–1131.
- U.S. Congress (1961). Developments in the field of detection and identification of nuclear explosions (Project Vela) and relationship to test ban negotiations: Hearings before the joint committee on atomic energy. Washington, D.C.: U.S. Government Printing Office.
- U.S. Senate (1972). Agriculture–environmental and consumer protection appropriations for fiscal year 1972: Hearings before a subcommittee of the committee on appropriations. Washington, D.C.: U.S. Government Printing Office.
- Ulrich, Dave, Younger, Jon, Brockbank, Wayne, & Ulrich, Michael D. (2013). The state of the HR profession. *Human Resource Management*, 52(3): 457–471.
- Umpleby, Stuart A. (1990). The science of cybernetics and the cybernetics of science. *Cybernetics and Systems: An International Journal*, 21(1): 109–121.
- Umpleby, Stuart A., & Dent, Eric B. (1999). The origins and purposes of several traditions in systems theory and cybernetics. *Cybernetics & Systems*, 30(2): 79–103.
- Uprichard, Emma (2013). Focus: Big data, little questions. *Discover Society*, (1): 1–6.
- Uribe-Jongbloed, Enrique, & Espinosa-Medina, Hernán D. (2014). A clearer picture: Towards a new framework for the study of cultural transduction in audiovisual market trades. *Observatorio (OBS\*)*, 8(1): 23–48.
- Valiant, Leslie G. (1984). A theory of the learnable. *Communications of the ACM*, 27(11): 1134–1142.
- Valiant, Leslie G. (2013). *Probably approximately correct*. New York: Basic Books.
- van Asselt, Marjolijn B. A., Renn, Ortwin (2011) Risk governance. *Journal of Risk Research* 14(4): 431–449.
- van Dijck, José (2014). Datafication, dataism and dataveillance: Big data between scientific paradigm and ideology. *Surveillance & Society*, 12(2):197–208.
- van Dijck, José, & Poell, Thomas (2013). Understanding social media logic. *Media and Communication*, 1(1): 2–14.
- van Dijk, Teun A. (1998). Opinions and ideologies in the press. In Allen Bell, & Peter Garrett (Eds.). *Approaches to media discourse* (pp. 21–63). Oxford: Blackwell.
- van Inwagen, Peter (1983). *An essay on free will*. Oxford: Oxford University Press.
- van Rijmenam, Mark (2013). Why the 3V's are not sufficient to describe big data. <https://datafloq.com/read/3vs-sufficient-describe-big-data/166>, last accessed 03 February 2016.
- van Valen, Leigh (1973). A new evolutionary law. *Evolutionary Theory*, 1: 1–30.



- Varian, Hal R. (2014). Big data: New tricks for econometrics. *Journal of Economic Perspectives*, 28(2): 3–28.
- Vaux, David L. (2013). Statistics: Number-crunching in the raw. *Nature*, 493(7432): 301.
- Veblen, Thorstein (1921/2001). *The engineers and the price systems*. Kitchener, Ontario: Batoche Books.
- Vidgen, Bertie, & Yasseri, Taha (2016). P-values: misunderstood and misused. arXiv preprint arXiv:1601.06805.
- Vigen, Tyler (2015). *Spurious correlations. Correlation does not equal causation*. New York: Hachette Books.
- Visser, Wayne (2011). *The age of responsibility: CSR 2.0 and the new DNA of business*. Chisester, GB: Wiley.
- von Bertalanffy, Ludwig (1965). Zur Geschichte theoretischer Modelle in der Biologie. *Studium Generale*, 8: 290–298.
- von Bertalanffy, Ludwig (1968). *General system theory*. New York: Braziller.
- von Bertalanffy, Ludwig (1972). The history and status of general systems theory. *Academy of Management Journal*, 15(4): 407–426.
- von Clausewitz, Carl (1832/1976). *On war*. Princeton: Princeton University Press.
- von Foerster, Heinz (1979). Cybernetics of cybernetics. In Klaus Krippendorff (Ed.). *Communication and control* (pp. 5–8). New York: Gordon and Breach.
- von Foerster, Heinz (2003). *Understanding understanding. Essays on cybernetics and cognition*. New York: Springer.
- von Glasersfeld, Ernst (1979). Cybernetics, experience, and the concept of self. In Mark N. Ozer (Ed.). *A cybernetic approach to the assessment of children: Toward a more humane use of human beings* (pp. 67–113). Boulder, CO: Westview.
- von Glasersfeld, Ernst (1995). *Radical Constructivism*. London: Falmer.
- Voss, Peter (2007). Essentials of general intelligence: The direct path to artificial general intelligence. In Ben Goertzel, & Cassio Pennachin (Eds.). *Artificial general intelligence* (pp. 131–157). Berlin: Springer.
- Wadhwa, Anu, & Kotha, Suresh (2006). Knowledge creation through external venturing: Evidence from the telecommunications equipment manufacturing industry. *Academy of Management Journal*, 49(4): 819–835.
- Waldrop, Mitchell M. (1993). *Complexity: The emerging science at the edge of order and chaos*. New York: Simon and Schuster.
- Walker, Joseph (2012a). Moneyball and the HR department. <http://blogs.wsj.com/digits/2012/04/16/moneyball-and-the-hr-department>, last accessed 26 April 2016.
- Walker, Joseph (2012b). Meet the new boss: Big data. <http://www.wsj.com/articles/SB10000872396390443890304578006252019616768>, last accessed on 16 September 2013.

- Walter, Chip (2005). Kryder's law. *Scientific American*, 293(2): 32–33.
- Wang, Catherine L., & Ahmed, Pervaiz K. (2007). Dynamic capabilities. A review and research agenda. *International Journal of Management Reviews*, 9(1): 31–51.
- Wang, Rui, Chen, Fanglin, Chen, Zhenyu, Li, Tianxing, Harari, Gabriella, Tignor, Stefanie, Zhou, Xia, Ben-Zeev, Dror, & Campbell, Andrew T. (2014). StudentLife: Assessing mental health, academic performance and behavioral trends of college students using smartphones. *Proceedings of the ACM International Joint Conference on Pervasive and Ubiquitous Computing*, Seattle, 3–14.
- Ward, Jonathan S., & Barker, Adam (2013). Undefined by data: A survey of big data definitions. *arXiv preprint arXiv:1309.5821*.
- Wason, Peter C. (1960). On the failure to eliminate hypotheses in a conceptual task. *Quarterly Journal of Experimental Psychology*, 12(3): 129–140.
- Watch Dogs (2014). Montreal: Ubisoft.
- Watson, David (1982). The actor and the observer: How are their perceptions of causality divergent? *Psychological Bulletin*, 92(3): 682–700.
- Webb, Stephen (2002). If the universe is teeming with aliens ... where is everybody? Fifty solutions to the Fermi paradox and the problem of extraterrestrial life. New York: Copernicus Books.
- Weber, Max (1919). *Wissenschaft als Beruf*. Erweiterte Fassung des Vortrags beim Freistudentischen Bund Landesverband Bayern.
- Weber, Max (1952). *The Protestant ethic and the spirit of capitalism*. New York: Scribner.
- Weick, Karl E. (1976). Educational organizations as loosely coupled systems. *Administrative Science Quarterly*, 21(2): 1–19.
- Weick, Karl E. (1979). *The social psychology of organizing*. New York: McGraw-Hill.
- Weick, Karl E. (1982). Administering education in loosely coupled schools. *The Phi Delta Kappan*, 63(10): 673–676.
- Weick, Karl E. (1989). Theory construction as disciplined imagination. *Academy of Management Review*, 14(4): 516–531.
- Weick, Karl E. (1993). Organizational redesign as improvisation. In George. P. Huber, & William H. Glick (Eds.). *Organizational change and redesign* (pp. 346–379). Oxford: Oxford University Press.
- Weick, Karl E. (1995). What theory is not, theorizing is. *Administrative Science Quarterly*, 40(3): 385–390.
- Weinberger, David (2011). *Too big to know*. New York: Basic Books.
- Weinberger, David (2013). Die digitale Glaskugel. In Heinrich Geiselberger, & Tobias Moorstedt (Eds.). *Big Data. Das neue Versprechen der Allwissenheit* (pp. 219–237). Berlin: Suhrkamp.

- Weiss, Sholom, M., & Indurkha, Nitin (1998). *Predictive data mining: A practical guide*. San Francisco: Morgan Kaufmann.
- West, Geoffrey (2013). Big data needs a big theory to go with it. <http://www.scientificamerican.com/article/big-data-needs-big-theory>, last accessed 25 April 2016.
- West, Jonathan P., & Bowman, James S. (2014). Electronic surveillance at work. An ethical analysis. *Administration & Society*, published online before print.
- Weyrich, Michael, Schmidt, Jan-Philipp, & Ebert, Christof (2014). Machine-to-machine communication. *IEEE Software*, 31(4): 19–23.
- Whetten, David A. (1989). What constitutes a theoretical contribution? *Academy of Management Review*, 14(4): 490–495.
- Whitehead, Alfred N. (1929). *Process and reality. An essay in cosmology*. Gifford lectures delivered in the University of Edinburgh during the session 1927–1928. New York: Macmillan.
- Whitfield, John (2005). Complex systems: order out of chaos. *Nature*, 436(7053): 905–907.
- Whitson, Jennifer R. (2013). Gaming the quantified self. *Surveillance & Society*, 11(1/2): 163–176.
- Wiener, Norbert (1948). *Cybernetics or control and communication in the animal and the machine*. New York: Wiley.
- Wild, Chris J. (1994). Embracing the “wider view” of statistics. *The American Statistician*, 48(2): 163–171.
- Wild, Chris J., & Pfannkuch, Maxine (1999). Statistical thinking in empirical enquiry. *International Statistical Review*, 67(3): 223–248.
- Wilden, Ralf, Gudergan, Siegfried, & Lings, Ian (2010). Employer branding: Strategic implications for staff recruitment. *Journal of Marketing Management*, 26(1–2): 56–73.
- Williams, Wendell (2013). The big data HR fad. <http://www.ere.net/2013/06/19/the-big-data-hr-fad>, last accessed 27 April 2016.
- Wilson, Marie, Chen, Shaohui, & Erakovic, Ljiljana (2006). Dynamics of decision power in the localization process: comparative case studies of China-Western IJVs. *International Journal of Human Resource Management*, 17(9): 1547–1571.
- Wilson, Robert C. (2015). 10 science fiction writers predict how our world will change in the next 10 years. [http://www.huffingtonpost.com/2015/05/06/sci-fi-predictions\\_n\\_7102742.html](http://www.huffingtonpost.com/2015/05/06/sci-fi-predictions_n_7102742.html), last accessed 06 January 2016.
- Wing, Jeannette M. (2006). Computational thinking. *Communications of the ACM*, 49(3): 33–35.
- Winner, Langdon (1993). Upon opening the black box and finding it empty: Social constructivism and the philosophy of technology. *Science, Technology, & Human Values*, 18(3): 362–378.

- Winner, Langdon (2003). Social constructivism: Opening the black box and finding it empty. In Robert C. Scharff, & Val Dusek (Eds.). *Philosophy of technology: The technological condition: An anthology* (pp. 233–244). Malden, MA: Blackwell Publishers.
- Winner, Langdon (2004). Technology as forms of life. In David M. Kaplan (Ed.). *Readings in the philosophy of technology* (pp. 103–113). Oxford: Rowman & Littlefield.
- Wittgenstein, Ludwig (1922). *Tractatus logico-philosophicus*. London: Kegan Paul, Trench, Trubner.
- Wolf, Gary (2010). The data-driven life. [http://www.nytimes.com/2010/05/02/magazine/02self-measurement-t.html?\\_r=0](http://www.nytimes.com/2010/05/02/magazine/02self-measurement-t.html?_r=0), last accessed 25 April 2016.
- World of Warcraft (2004). Irvine, CA: Blizzard Entertainment.
- Wright, Alex (2014). Big data meets big science. *Communications of the ACM*, 57(7): 13–15.
- Wright, Jason T., Mullan, Brendan, Sigurdsson, Steinn, & Povich, Matthew S. (2014). The  $\hat{G}$  infrared search for extraterrestrial civilizations with large energy supplies. I. Background and justification. *Astrophysical Journal*, 792(1): 1–16.
- Wright, Jason T., Cartier, Kimberly M. S., Zhao, Ming, Jontof-Hutter, Daniel, & Ford, Eric B. (2016). The  $\hat{G}$  search for extraterrestrial civilizations with large energy supplies. IV. The signatures and information content of transiting megastructures. *Astrophysical Journal*, 816(1): 1–22.
- Wright, Sewall (1932). The roles of mutation, inbreeding, crossbreeding, and selection in evolution. *Proceedings of the Sixth International Congress on Genetics*, 355–366.
- Wyss-Flamm, Esther D., & Zandee, Danielle P. (2001). Navigating between finite and infinite games in the managerial classroom. *Journal of Management Education*, 25(3): 292–307.
- Yates, F. Eugene. (1994). Order and complexity in dynamical systems: homeodynamics as a generalized mechanics for biology. *Mathematical and Computer Modelling*, 19(6): 49–74.
- Yeung, Karen (2016). ‘Hypernudge’: Big data as a mode of regulation by design. *Information, Communication & Society*, published online before print.
- Yudkowsky, Eliezer (2008). Cognitive biases potentially affecting judgment of global risks. In Nick Bostrom, & Milan M. Ćirković (Eds.). *Global catastrophic risks* (pp. 91–119). Oxford: Oxford University Press.
- Yugas, Alan (2014). Rosetta: What went right with Philae, what went wrong and how it can be fixed. <https://www.theguardian.com/science/2014/nov/13/rosetta-philae-comet-mission-what-went-right-what-went-wrong-and-how-it-can-be-fixed>, last accessed 25 April 2016.

- Zanoni, Patrizia, & Janssens, Maddy (2004). Deconstructing difference: The rhetoric of human resource managers' diversity discourses. *Organization Studies*, 25(1): 55–74.
- Zarsky, Tal (2008). Law and online social networks: Mapping the challenges and promises of user-generated information flows. *Fordham Intellectual Property, Media and Entertainment Law Journal*, 18(3): 741–783.
- Zhang, Yanxia, & Zhao, Yongheng (2015). Astronomy in the big data era. *Data Science Journal*, 14: 1–9.
- Zichermann, Gabe, & Cunningham, Christopher (2011). *Gamification by design: Implementing game mechanics in web and mobile apps*. Sebastopol, CA: O'Reilly.
- Zimmerman, Brenda J., & Hurst, David K. (1993). Breaking the boundaries. *Journal of Management Inquiry*, 2(4): 334–355.
- Zins, Chaim (2007). Conceptions of information science. *Journal of the American Society for Information Science and Technology*, 58(3): 335–350.
- Zittrain, Jonathan L. (2006). The generative internet. *Harvard Law Review*, 119(7): 1974–2040.
- Zuboff, Shoshana (1988). *In the age of the smart machine. The future of work and power*. New York: Basic Books.
- Zuboff, Shoshana (2014). The human factor. <http://www.faz.net/aktuell/feuilleton/debatten/the-digital-debate/digital-economy-the-human-factor-13050472.html>, last accessed 09 February 2016.
- Zwitter, Andrej (2014). Big data ethics. *Big Data & Society*, 1(2): 1–6.
- Zyskind, Guy, Nathan, Oz, & Pentland, A. Sandy. (2015). Decentralizing privacy: Using Blockchain to protect personal data. *IEEE Security and Privacy Workshops (SPW)*, 180–184.

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