Behind the Data: Humans and Values | Fall 2020

Instructors:

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Synchronous Section Times:

- Section W-231-1, Monday 4:00-5:30 PT
- Section W-231-2, Wednesday 4:00-5:30 PT

Office Hours are the hour before synch sessions, or by appointment, in Zoom.

Course Description:

This course provides an introduction to the legal, policy, and ethical implications of data. The course will examine how these issues arise throughout the full life cycle of data science from collection, to storage, processing, analysis and use including, privacy, surveillance, security, classification, discrimination, decisional autonomy, and duties to warn or act. Case studies will be used to explore these issues across various domains such as criminal justice, national security, health, marketing, politics, education, automotive, employment, athletics, and development. Attention will be paid to legal and policy constraints and considerations that attach to specific domains as well as particular data-types, collection methods, and institutions. Technical, legal, and market approaches to mitigating and managing discrete and compound sets of concerns will be introduced, and the strengths and benefits of competing and complementary approaches will be explored. **Prerequisites:** Students must complete MIDS courses 201 and 203 before enrolling in this course.

Links to Course Pages:

1. Course Github: https://github.com/UC-Berkeley-I-School/w231
2. Course Blog: https://blogs.ischool.berkeley.edu/w231/
3. Course Slack Channel: #w231-announce
4. Course Signup sheets:
    - Introductory Survey: https://goo.gl/forms/Yht3jSSFUxXT8hKq2
    - Public Advocacy Blog Assignment Sign-Ups: https://goo.gl/6uZY62
    - Final Project Presentation Sign-Ups: https://goo.gl/krXaCd
    - Anonymous Course Feedback: https://forms.gle/yxEHyfshm8FGLgqz8

Course Evaluation:

- Participation (25%)
    - Synchronous session discussion (15%). Attend and actively participate in every synchronous session.
    - Asynchronous participation (10%). This class relies on readings and asynch content. Both are necessary for the synch session, and are important for the course. Complete both before the synch session each week (note that watching is tracked automatically in ISVC). On Slack I will also post *reading response questions* some weeks. Please write a 2-3 paragraph brainstorm response to the questions and send them to me via Slack by noon the Monday before our synch session (copy/pasting into Slack preferred, PDF attachment acceptable). We will not be individually grading these but they will in aggregate contribute to your asynch participation (and will also help prepare you for our synch discussions each week).
- Assignments (40%):
    - Descriptions are in the Assignments folder in the class git repository, and linked from here. All assignments are due 11:59pm Pacific Time (PT) on the date noted, in ISVC unless otherwise indicated in the assignment description. Please convert docx and pptx files to pdf.
    - Application of Belmont Principles (8%)
    - Privacy Policy Assignment (8%)

    - Peer Feedback Assignment (8%)
    - Group Legal/Ethical Analysis (8%)
    - Public Advocacy Blog Post (8%)
- Final Project (35%): 5% outline, 30% final write-up

Assignment Late Policy: If you cannot make a deadline, contact us as soon as you can to make a plan for an alternate due date. We offer five floating late days penalty-free, but beyond those five days late assignments may be docked up to 5 points per day late.

Statement of Diversity and Inclusion:

As we discuss in this class, science (and knowledge creation more generally) is subjective and is historically built on a small subset of privileged voices. Integrating a diverse set of experiences is important for a more comprehensive understanding of data science.

In this class, we will make an effort to read papers from a diverse group of scholars and actively address questions of privilege, marginality, and inclusion in data science and beyond. We would moreover like to create a learning environment for our students that supports a diversity of thoughts, perspectives and experiences, and honors your identities (including race, gender, class, sexuality, age, religion, ability, etc.).

To help accomplish this:

- Please let us know in the initial survey what your preferred name and pronouns are.
- You should always strive to respect the diversity of your classmates.
- If you feel like your performance in the class is being impacted by your experiences outside of class, please come and talk with us or submit anonymous feedback via the w231 feedback survey (which may lead to me making an announcement to the class, if this is necessary to address your concerns). If you prefer to speak with someone outside of the course, the Academic Director of Data Science, the Assistant Dean of Academic Programs, and the I School diversity and inclusion resource page are good places to start.
- We (like many people) am still in the process of learning about diverse perspectives and identities. If something was said in class (by anyone, including us instructors!) that made you feel uncomfortable, please talk to us about it. (Again, anonymous feedback is always an option via the w231 feedback survey.

Class Calendar:

Synch Dates	Asynch Week	Description	Instructor
Aug 24-26	Week 1	Politics of Objectivity and Countercultures of Science	(Ames)
Aug 31-2	Week 2	The Foundations of Subject Rights Online	(Ames)

Synch Dates	Asynch Week	Description	Instructor
		DUE Friday, Sep 4: Survey, Blog Post Sign-ups	
Sep 9	Week 3	The Foundations of Subject Rights for Big Data	(Ames)
		DUE Friday, Sep 11: Application of Belmont Principles	
Sep 14-16	Week 4	Categories, Categorization, and Residuality	(Ames)
Sep 21-23	Week 5	Principles of Privacy	(Maslin)
Sep 28-30	Week 6	Data Subjects' Rights, Rights of Others, and Institutional Obligations and Duties	(Maslin)
		DUE Friday, Oct 2: Privacy Policy Assignment (slides, doc)	
Oct 5-7	Week 7	*Presentations of Privacy Policy Assignment*	(Maslin)
Oct 12-14	Week 8	Biases In Data and Algorithms	(Ames)
		DUE Wednesday, Oct 14: Final Project Outline	
Oct 19-21	Week 9	Mitigation and Management	(Maslin)
		DUE Friday, Oct 23: Peer Feedback Assignment	
Oct 26-28	Week 10	Exposing Commitments, Stakeholders, and Methods	(Maslin)
Nov 2-4	Week 11	Additional Legal Limitations of Data: Copyright, Contracts, and Database Rights	(Maslin)
Nov 9-11	NONE	**NO CLASS - FALL IMMERSION**	
Nov 16-18	NONE	*Presentations of Group Legal/Ethical Analysis*	(Ames)
		DUE Friday, Nov 20: Group Legal/Ethical Analysis (slides, doc)	
Nov 23-25	NONE	**NO CLASS - THANKSGIVING BREAK**	
Nov 30-2	Week 13	Organizational: Professionals and Professional Associations	(Ames)
		DUE Friday, Dec 4: Final Project Presentation Sign-ups	
Dec 7-9	NONE	*Final Project Presentations - EXTENDED SESSION*	(both)
		DUE Wednesday, Dec 16: Final Project (slides, doc) - NO LATE DAYS PLEASE	

Academic Calendar: https://www.ischool.berkeley.edu/intranet/students/mids/calendar

Weekly Readings:

Readings for each week are linked (when availabe online) OR included in the Readings directory here in GitHub. Click the week description to expand the list of readings for that week.

Week 1

▼ Politics of Objectivity and Countercultures of Science

1. (16p) Sandra G. Harding. After the Science Question in Feminism. Introduction of *Whose Science? Whose Knowledge?: Thinking from Women's Lives*. Cornell Univ. Press, 1991. https://github.com/UC-Berkeley-I-School/w231/blob/master/Readings/(w1)%20Harding.%20Whose%20Science%20Ch%201.pdf
2. (8p) Nathan Jurgenson. View From Nowhere. October 2014. https://thenewinquiry.com/view-from-nowhere/
3. (9p) Jonas Lerman. Big Data and Its Exclusions. *Stanford Law Review* 66 (55 2013). https://doi.org/10.2139/ssrn.2293765
4. (19p) Sasha Costanza-Chock (2018). Design Justice, A.I., and Escape from the Matrix of Domination. *Journal of Design and Science.* https://doi.org/10.21428/96c8d426
5. **Case Study (for discussion)**: Familiarize yourself with Detroit's Project Green Light. Here are some resources:
   - Project Green Light website: https://detroitmi.gov/departments/police-department/project-green-light-detroit
   - Kashmir Hill. Wrongfully Accused By an Algorithm. *The New York Times*, June 24, 2020. https://www.nytimes.com/2020/06/24/technology/facial-recognition-arrest.html
   - Safe or Just Surveilled?: Tawana Petty on the Fight Against Facial Recognition Surveillance. *Logic Magazine*, Issue 10, May 4, 2020. https://logicmag.io/security/safe-or-just-surveilled-tawana-petty-on-facial-recognition/
6. **OPTIONAL:** Langdon Winner. Do Artifacts Have Politics? *Daedalus* Vol. 109, No. 1, Modern Technology: Problem or Opportunity? (Winter, 1980), pp. 121-136. https://www.cc.gatech.edu/~beki/cs4001/Winner.pdf
7. **OPTIONAL:** Peggy McIntosh. White Privilege: Unpacking the Invisible Knapsack. https://racialequitytools.org/resourcefiles/mcintosh.pdf
8. **OPTIONAL:** Kimberle Crenshaw. Demarginalizing the Intersection of Race and Sex: A Black Feminist Critique of Antidiscrimination Doctrine, Feminist Theory and Antiracist Politics. *The University of Chicago Legal Forum 139* (1989), 139–168. https://chicagounbound.uchicago.edu/uclf/vol1989/iss1/8

Week 2

▼ The Foundations of Subject Rights Online

1. (12p) The National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research. The Belmont Report: Ethical Principles and Guidelines for the Protection of

Human Subjects of Research. April 18, 1979. https://www.hhs.gov/ohrp/sites/default/files/the-belmont-report-508c_FINAL.pdf

2. (5p) **READ 1-2, 9-11** Jessica Vitak, Katie Shilton, and Zahra Ashktorab. 2016. Beyond the Belmont Principles: Ethical Challenges, Practices, and Beliefs in the Online Data Research Community. *Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work & Social Computing (CSCW '16)*, 941–953. https://doi.org/10.1145/2818048.2820078
3. (2p) **READ 11-12, SKIM THE REST** D. Dittrich and E. Kenneally, "The Menlo Report: Ethical Principles Guiding Information and Communication Technology Research", Tech. Report, U.S. Department of Homeland Security, Aug 2012. https://www.caida.org/publications/papers/2012/menlo_report_actual_formatted/
4. (11p) Mark A Rothstein and Abigail B Shoben. Does consent bias research? *American Journal of Bioethics* 13.4 (Apr. 2013). https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2244990
5. (19p) Benbunan-Fich, R. (2017). The ethics of online research with unsuspecting users: From A/B testing to C/D experimentation. *Research Ethics,* 13(3–4), 200–218. https://doi.org/10.1177/1747016116680664
6. (22p) Selinger, Evan and Hartzog, Woodrow, *The Inconsentability of Facial Surveillance* (March 19, 2020). *66 Loyola Law Review* 101 (2019). https://ssrn.com/abstract=3557508
7. **OPTIONAL:** Declaration of Helsinki - Ethical Principles for Medical Testing involving Human Subjects. https://wma.net/policies-post/wma-declaration-of-helsinki-ethical-principles-for-medical-research-involving-human-subjects/

Week 3

▼ The Foundations of Subject Rights for Big Data

1. (60p) **SKIM Summary and Recommendations, Chapters 3-4** Records, Computers and the Rights of Citizens ("The HEW Report"). Government Printing Office, 1973. http://www.justice.gov/sites/default/files/opcl/docs/rec-com-rights.pdf
2. (18p) William Seltzer (2006). The Dark Side of Numbers: Updated. Mackensen R. (eds), *Bevölkerungsforschung und Politik in Deutschland im 20. Jahrhundert. VS Verlag für Sozialwissenschaften.* https://github.com/UC-Berkeley-I-School/w231/blob/master/Readings/(w3)%20Seltzer.%20Dark%20Side%20of%20Numbers%20Updated.pdf
3. (2p) Kate Crawford. Hidden Biases in Big Data. *Harvard Business Review* (2013). https://hbr.org/2013/04/the-hidden-biases-in-big-data
4. (11p) Jacob Metcalf and Kate Crawford. Where are human subjects in Big Data research? The emerging ethics divide. *Big Data & Society* (2016). https://journals.sagepub.com/doi/full/10.1177/2053951716650211
5. (4p) Fair Information Practice Principles (FIPPs) in the Information Sharing Environment. https://nationalpublicsafetypartnership.org/Documents/The_Fair_Information_Practice_Principles_in_the_Information_Sharing_Environment.pdf
6. **OPTIONAL:** Office of Privacy and Civil Liberties (OPCL), Department of Justice. Overview of the Privacy Act of 1974, 2015 Edition. https://www.justice.gov/opcl/overview-privacy-act-1974-2015-

edition

Week 4

▼ Categories, Categorization, and Residuality

1. (26p) Geoffrey C. Bowker and Susan Leigh Star. What a Difference a Name Makes - The Classification of Nursing Work. Chapter 7 of *Sorting Things Out: Classification and its Consequences*. MIT Press, 1999. https://github.com/UC-Berkeley-I-School/w231/blob/master/Readings/Bowker%20and%20Star.%20Sorting%20things%20Out%20ch7.pdf
2. (36p) David Kertzer and Dominique Arel. Censuses, Identity Formation, and the Struggle for Political Power. Chapter 1 of *Census and Identity: The Politics of Race, Ethnicity, and Language in National Censuses*. Cambridge University Press, 2002. https://github.com/UC-Berkeley-I-School/w231/blob/master/Readings/Kertzer%20and%20Arel.%20%20Census%20and%20Identity%20ch1.pdf
3. (11p) Bonnie Ruberg and Spencer Ruelos. Data for Queer Lives: How LGBTQ Gender and Sexuality Identities Challenge Norms of Demographics. *Big Data & Society*, June 2020, https://journals.sagepub.com/doi/full/10.1177/2053951720933286
4. **OPTIONAL** Kate Crawford and Trevor Paglen. Excavating AI: The Politics of Training Sets for Machine Learning. September 19, 2019 (analysis accompanying the ImageNet Roulette demo). https://excavating.ai
5. **OPTIONAL** David Valentine. The Categories Themselves. *GLQ: A Journal of Lesbian and Gay Studies,* 10.2 (Jan. 2004), 215–220. https://github.com/UC-Berkeley-I-School/w231/blob/master/Readings/Valentine.%20The%20Categories%20Themselves.pdf

Week 5

▼ Principles of Privacy

1. (7p) **READ 479-483, 490-491** Solove, Daniel J. (2006). A Taxonomy of Privacy. *University of Pennsylvania Law Review,* 154:3 (January 2006), p. 477. https://ssrn.com/abstract=667622
2. (14p) Nissenbaum, Helen F. (2011). A Contextual Approach to Privacy Online. *Daedalus* 140:4 (Fall 2011), 32-48. https://ssrn.com/abstract=2567042
3. (16p) Mulligan, Deirdre K., Koopman, Colin and Doty, Nick (2016). Privacy is an essentially contested concept: a multi-dimensional analytic for mapping privacy. *Philosophical Transactions of The Royal Society A: Mathematical Physical and Engineering Sciences*, 374(2083):20160118 (December 2016). http://doi.org/10.1098/rsta.2016.0118
4. (25p) **READ 1099-1123** Solove, Daniel J. (2002). Conceptualizing Privacy. *California Law Review* 90.4 (July 2002). https://doi.org/10.15779/Z382H8Q
5. **OPTIONAL** A. Acquisti, L. Brandimarte, and G. Loewenstein. Privacy and human behavior in the age of information. *Science* 347.6221 (Jan. 2015), pp. 509–514. https://doi.org/10.1126/science.aaa1465.

Week 6

▼ Data Subjects' Rights, Rights of Others, and Institutional Obligations and Duties

1. (22p) **READ Chapter 1 (13-17), Chapter 2 (19-35).** The OECD Privacy Framework (2013 update on 1980 report). http://www.oecd.org/sti/ieconomy/oecd_privacy_framework.pdf
2. (34p) **SKIM** Data Guidance and Future of Privacy Forum. Comparing Privacy Laws: GDPR v. CCPA. https://fpf.org/wp-content/uploads/2018/11/GDPR_CCPA_Comparison-Guide.pdf
3. (11p) **READ 1-2, SKIM rest** Federal Reserve. Federal Trade Commission Act Section 5: Unfair or Deceptive Acts or Practices. *Consumer Compliance Handbook*. https://www.federalreserve.gov/boarddocs/supmanual/cch/ftca.pdf
4. (~7p) A Brief Overview of the Federal Trade Commission's Investigative, Law Enforcement, and Rulemaking Authority. https://www.ftc.gov/about-ftc/what-we-do/enforcement-authority
5. **OPTIONAL** Federal Trade Commission Act. https://www.ftc.gov/sites/default/files/documents/statutes/federal-trade-commission-act/ftc_act_incorporatingus_safe_web_act.pdf
6. **OPTIONAL** Guidelines on the Right to Data Portability. https://ec.europa.eu/information_society/newsroom/image/document/2016-51/wp242_en_40852.pdf
7. **OPTIONAL** Data Portability FAQ. https://ec.europa.eu/information_society/newsroom/image/document/2016-51/wp242_annex_en_40854.pdf
8. **SKIM - discussed in asynch** In re Facebook, Complaint, FTC File No. 092 3184. 2012.
9. **SKIM - discussed in asynch** In the Matter of ELI LILLY and COMPANY, a corporation. 2002.

Week 7

▼ Science of Privacy

1. (9p) Arvind Narayanan and Edward W. Felten. No silver bullet: De-identification still doesn't work. https://www.cs.princeton.edu/~arvindn/publications/no-silver-bullet-de-identification.pdf
2. Cynthia Dwork. Differential Privacy. *33rd International Colloquium on Automata, Languages and Programming,* part II (ICALP 2006). Vol. 4052. Venice, Italy: Springer Verlag, July 2006, pp. 1–12. https://www.microsoft.com/en-us/research/publication/differential-privacy/
3. Ryan Calo and Alex Rosenblat. The Taking Economy: Uber, Information, and Power (2017). https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2929643
4. Bernardo A Huberman, Eytan Adar, and Leslie R Fine. Valuating Privacy. *IEEE Security & Privacy* (Oct. 2005), pp. 22–25. https://doi.org/10.1109/MSP.2005.137
5. **OPTIONAL:** Serge Egelman, Adrienne Porter Felt, and David Wagner. Choice Architecture and Smartphone Privacy: There's a Price for That. *The Economics of Information Security and Privacy* (2013), pp. 211–236. https://doi.org/10.1007/978-3-642-39498-0_10
6. **OPTIONAL:** Janice Y. Tsai et al. The Effect of Online Privacy Information on Purchasing Behavior: An Experimental Study. *Information Systems Research* 22.2 (June 2011), pp. 254–268.

https://doi.org/10.1287/isre.1090.0260

7. **OPTIONAL:** Sarah Spiekermann, Jens Grossklags, and Bettina Berendt. E-privacy in 2nd generation E-commerce. *Proceedings of the 3rd ACM conference on Electronic Commerce* (Oct. 2001). https://doi.org/10.1145/501158.501163
8. **OPTIONAL:** Fida Kamal Dankar and Khaled El Emam. Practicing differential privacy in health care: A review. *Trans. Data Privacy* 6.1 (2013), pp. 35–67.
9. **OPTIONAL:** Luc Rocher, Julien M. Hendrickx and Yves-Alexandre de Montjoye. Estimating the success of re-identifications in incomplete datasets using generative models. *Nature Communications* volume 10, Article number: 3069 (2019). https://www.nature.com/articles/s41467-019-10933-3

Week 8

▼ Biases In Data and Algorithms

1. Tarleton Gillespie. The Relevance of Algorithms. *Media Technologies* (2014), pp. 167–194. https://doi.org/10.7551/mitpress/9780262525374.003.0009f
2. Felicitas Kraemer, Kees van Overveld, and Martin Peterson. Is there an ethics of algorithms? *Ethics and Information Technology* 13.3 (Sept. 2011), pp. 251–260.
3. Jenna Burrell. How the machine thinks: Understanding opacity in machine learning algorithms. *Big Data & Society* 3.1 (2016). https://doi.org/10.1177/2053951715622512
4. FTC. Big Data: A Tool for Inclusion or Exclusion? Understanding the Issues (READ: executive summary and questions for legal compliance). https://www.ftc.gov/system/files/documents/reports/big-data-tool-inclusion-or-exclusion-understanding-issues/160106big-data-rpt.pdf
5. Jonas Lehrman. Big Data and Its Exclusions. *Stanford Law Review* 66 (55 2013). https://doi.org/10.2139/ssrn.2293765
6. Cynthia Dwork and Deirdre K Mulligan. It's not privacy, and it's not fair. *Stanford Law Review* (Sept. 2013). https://www.stanfordlawreview.org/online/privacy-and-big-data-its-not-privacy-and-its-not-fair/
7. **SKIM** United States of America (for the Federal Trade Commission) v. Spokeo Inc., Civ. No. CV12-05001. 2012.
8. **OPTIONAL:** Karen Hao and Jonathan Stray. Can you make AI fairer than a judge? Play our courtroom algorithm game. *MIT Technology Review*, October 17, 2019. https://www.technologyreview.com/2019/10/17/75285/ai-fairer-than-judge-criminal-risk-assessment-algorithm/

Week 9

▼ Mitigation and Management

1. NIST. Privacy Framework Factsheet. 2020. https://www.nist.gov/privacy-framework/privacy-framework

2. Privacy Office. Privacy Impact Assessment. Department of Homeland Security, 2014. https://www.dhs.gov/compliance
3. TSA and Robin Kane. Privacy Impact Assessment Update for TSA Whole Body Imaging. Department of Homeland Security, 2009. https://data.aclum.org/wp-content/uploads/2018/06/Priv-Impact-Assessment-Update-for-TSA-Whole-Body-Imaging-7-23-2009.pdf
4. Charles Raab and David Wright. Surveillance: Extending the Limits of Privacy Impact Assessment. https://doi.org/10.1007/978-94-007-2543-0_17
5. Joe Sharkey. A Farewell to 'Nudity' at Airport Checkpoints. *The New York Times* (Jan. 2013). http://www.nytimes.com/2013/01/22/business/a-farewell-to-nudity-at-airport-checkpoints.html
6. Katie Rogers. T.S.A. Defends Treatment of Transgender Air Traveler. *The New York Times* (Sept. 2015). https://www.nytimes.com/2015/09/23/us/shadi-petosky-tsa-transgender.html

Week 10

▼ Exposing Commitments, Stakeholders, and Methods

1. Danielle Keats Citron. Technical Due Process. *Washington University Law Review* 85 (2007). https://papers.ssrn.com/sol3/papers.cfm?abstract_id=1012360
2. Kate Crawford and Jason Schultz. Big Data and Due Process: Toward a Framework to Redress Predictive Privacy Harms. *Boston College Law Review* 55.93 (2014). https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2325784
3. Tad Hirsch et al. Designing Contestability: Interaction Design, Machine Learning, and Mental Health. *Proceedings of the 2017 Conference on Designing Interactive Systems* (2017), pp. 95–99. https://doi.org/10.1145/3064663.3064703
4. Mulligan, Deirdre K. and Kluttz, Daniel and Kohli, Nitin. Shaping Our Tools: Contestability as a Means to Promote Responsible Algorithmic Decision Making in the Professions (July 7, 2019). http://dx.doi.org/10.2139/ssrn.3311894

Week 11

▼ Additional Legal Limitations of Data: Copyright, Contracts, and Database Rights

1. Copyright Act 102, 106(a), 107. https://www.copyright.gov/title17/92chap1.html#102
2. Computer Fraud and Abuse Act, 18 USC. https://www.law.cornell.edu/uscode/text/18/1030.
3. CalECPA (state bill 178). https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201520160SB178.
4. **SKIM** Facebook v. Vachani & Power Ventures. July 2016. https://cdn.ca9.uscourts.gov/datastore/opinions/2016/07/12/13-17102.pdf
5. **SKIM** Feist Pubs., Inc. v. Rural Tel. Svc. Co., Inc. 499 U.S. 340 (1991). 1991. https://scholar.google.com/scholar_case?case=1195336269698056315
6. **SKIM** ProCD, INC. v. ZEIDENBERG, 86 F.3d 1447 (7th. Cir. 1996). 1996. https://scholar.google.com/scholar_case?case=11811009805458694240

Week 13

▼ Organizational: Professionals and Professional Associations

1. Alex Fowler. Do Not Track: It's the user's voice that matters. May 2012. https://blog.mozilla.org/netpolicy/2012/05/31/do-not-track-its-the-users-voice-that-matters/
2. Tracking Preference Expression (DNT). https://www.w3.org/TR/tracking-dnt/
3. Allison Grande. Do-Not-Track Group Finally Nails Down Tech Standard. *Law360 - The Newswire for Business Lawyers* (2014). https://www.law360.com/articles/531445.
4. Elon Musk. A Most Peculiar Test Drive. Feb. 2013. https://www.tesla.com/blog/most-peculiar-test-drive
5. Kashmir Hill. The Big Privacy Takeaway From Tesla vs. The New York Times. Feb. 2013. https://github.com/UC-Berkeley-I-School/w231/blob/master/Readings/The%20Big%20Privacy%20Takeaway%20From%20Tesla%20vs.%20The%20New%20York%20Times.pdf
6. Tesla Motors. Privacy Statement. June 2013. https://www.tesla.com/sites/default/files/pdfs/tmi_privacy_statement_external_6-14-2013_v2.pdf