Spring 2025 W 10:00AM–12:50AM McBryde 566

SOC 6984 TS: DIGITAL SOCIOLOGY

Zhuofan Li

(he/him/his)

Assistant Professor of Sociology

zhuofan@vt.edu

OFFICE HOUR: W 2:00PM-5:00PM and by appointment, McBryde 524

Course Description

This course offers a unique combination of theoretical exposition and methodological appraisal of today's digitally mediated, surveilled, and liquidated world for anyone who is interested in working with digital data, , whether qualitatively, quantitatively, or computationally.

Today, having big data seems to be all that matters. From Silicon Valley zealots who are overly eager to proclaim that science is obsolete and prediction is all we need, to sociology students who panic at night watching computer scientists coming at us with their seemingly omnipotent AI models and millions of times more data, people can't help wondering: what is the worth of social science if digital data can tell us more than enough about human behavior? The answer is: They don't. They don't tell us a lot about humanity until we understand how they came into existence, and how, while enabling us to see things that we used to not see, they also cloud our vision with errors, biases, manipulation, and hubris.

The goal of this course is to equip you with a solid theoretical foundation and methodological intuition for exploiting the potential of digital data while avoiding the hidden pitfalls of spending too much time online. Each week of class will consist of a seminar and a lab. In the seminar part, we will rediscover the worth of sociology in understanding the data generation process and scrutinizing what digital data can really tell us about humanity. In the lab part, we will aim to build an inclusive and laid-back playground for you to experiment with useful digital data sources and data science techniques, whether for you to take advantage of computational thinking in your own research or to identify and criticize their abuses.

Learning Objectives

- Evaluate foundational and trending theoretical and methodological approaches in the sociological study of digitality.
- Survey a wide range of sociological research that concerns digital technologies, digital data, digital methods, and/or digital society.
- Explore the relationship of digital sociology with other major subfields of sociology.
- Develop an intuitive understanding and methodological skills for using digital data in own research.
- Hone analytical and communication skills for academic and professional careers.

Course Requirements

You will need access to the following books:

Other readings will be made available through Canvas.

You will also need to bring a laptop to class because most weeks will involve some hands-on exercises with digital data.

However, despite having your laptop with you, you are especially encouraged to print out the readings, bring hard copies to class, and take notes by hand. Psychologists have found strong experimental evidence that even when laptops are used solely to take notes, they result in shallower cognitive processing and the degeneration of note-taking into transcribing verbatim rather than reframing information in your own words (Mueller and Oppenheimer 2014).

Participation (20%)

Full participation in class discussion is essential for your graduate training, and needs to be based on thorough preparation for each class. To make sure we can have a graduate-level discussion that goes beyond me asking the class "does anyone remember what the author says about …" you should (1) **reading closely** all required materials, (2) **thinking critically** about it before the class, and (3) **reviewing regularly** the materials as well as any notes you take.

Reading Memos (20%)

You will sign up to write 4 reading memos, two pages each. The first page will accurately and critically summarize the key research questions and/or research design of each reading as well as any common themes across the readings. The second page

will articulate one idea that extends beyond repeating what's already being said in the readings and contributes to your own research agenda in a specific way. Examples include but are not limited to:

- Why is a data point interesting, intriguing, or disturbing?
- Why is a theoretical construct inspiring, redundant, or pretentious?
- Why is a research design clever, stupid, or ostentatious?
- What is a question that you want to know the answer to but you can neither find one from the reading, nor think of a good one right away, and why?
- What is a product, a policy, or a change that can be initiated based on empirical evidence to help people solve real-world problems?

Presentation (20%)

Building on your reading memos, you will take turn to facilitate class discussion, starting with a 10-minute presentation, to highlight key questions/designs/themes in the readings and identify several topics and questions for further discussion. You will also give a 10-minute presentation on your working paper at the end of semester.

Mini Projects (20%)

You will complete 4 methodological mini projects to help you develop methodological intuition and skills that you will need, to understand what sociologists are doing with digital data, and to start thinking about how you will use digital data. These assignments usually involve repeating, reinterpreting, and reapplying some analysis I have demonstrated in class.

Working Paper (20%)

You will submit a 15-20 page working paper at the end of the semester. Depending on your situation, it can take the form of:

- an empirical study,
- a theoretical argument,
- a methodological exploration,
- a pilot or feasibility study for a larger project you have in mind,
- a grant proposal, or,
- a thesis/dissertation proposal.

It doesn't have to be a polished or even finished product, as long as it is interesting, readable, and makes extensive, critical, and/or innovative use of what you've learned from digital sociology. I encourage you to meet with me mid-semester to discuss your ideas.

Course Schedule

PART I: What's Sociological about Digital Data?

Week 1 **Digital: A Hazardous Concept**

Required:

Winner, Langdon. 1980. "Do Artifacts Have Politics?" *Daedalus* 109 (1): 121–136.

Latour, Bruno. 1994. "Where Are the Missing Masses? The Sociology of a Few Mundane Artifacts." In *Shaping Technology/Building Society: Studies in Sociotechnical Change,* edited by Wiebe E Bijker and John Law, 225–258. MIT Press.

Marx, Leo. 2010. "*Technology*: The Emergence of A Hazardous Concept." *Technology and Culture* 51 (3): 561–577.

"Technology" Pp.98-105 in Wrathall, Mark A. 2006. *How to Read Heidegger.* How to Read. New York, NY: WW Norton.

Week 2 **Digital Inequality in a Cyberpunk Society**

Required:

DiMaggio, Paul et al. 2001. "Social Implications of the Internet." *Annual Review of Sociology* 27 (1): 307–336.

DiMaggio, Paul and Bonikowski, Bart. 2008. "Make Money Surfing the Web? The Impact of Internet Use on the Earnings of U.S. Workers." *American Sociological Review* 73 (2): 227–250.

Rosenfeld, Michael J and Thomas, Reuben J. 2012. "Searching for a Mate: The Rise of the Internet as a Social Intermediary." *American sociological review* 77 (4 2012): 523–547.

Rafalow, Matthew H. 2018. "Disciplining Play: Digital Youth Culture as Capital at School." *American Journal of Sociology* 123 (5): 1416–1452.

Recommended:

Robinson, Laura et al. 2015. "Digital Inequalities and Why They Matter." *Information, Communication and Society* 18 (5): 569–582.

Hampton, Keith N. 2017. "Studying the Digital: Directions and Challenges for Digital Methods." *Annual Review of Sociology* 43 (1 2017): 167–188.

Lin, Ken-Hou and Lundquist, Jennifer. 2013. "Mate Selection in Cy-

berspace: The Intersection of Race, Gender, and Education." *American Journal of Sociology* 119 (1 2013): 183–215.

Curington, Celeste Vaughan, Lin, Ken-Hou, and Lundquist, Jennifer Hickes. 2015. "Positioning Multiraciality in Cyberspace: Treatment of Multiracial Daters in an Online Dating Website." *American Sociological Review* 80 (4): 764–788.

Downey, Douglas B and Gibbs, Benjamin G. 2020. "Kids These Days: Are Face-To-Face Social Skills Among American Children Declining?" *American Journal of Sociology* 125 (4): 1030–1083.

Rafalow, Matthew H. 2020. *Digital Divisions: How Schools Create Inequality in the Tech Era.* Chicago, IL: University of Chicago Press, 2020.

Week 3 **A Political Economy of Digitality**

Required:

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

Burrell, Jenna and Fourcade, Marion. 2021. "The Society of Algorithms." *Annual Review of Sociology* 47 (1): 213–237.

Fourcade, Marion and Healy, Kieran. 2021. "Rationalized Stratification."

McMillan Cottom, Tressie. 2020. "Where Platform Capitalism and Racial Capitalism Meet: The Sociology of Race and Racism in the Digital Society." *Sociology of Race and Ethnicity* 6 (4): 441–449.

Recommended:

Zuboff, Shoshana. 2019. *The Age of Surveillance Capitalism: The Fight for a Human Future at the New Frontier of Power.* Public Affairs, 2019.

Benjamin, Ruha. 2019. *Race After Technology: Abolitionist Tools for the New Jim Code.* Medford, MA: Polity Press, 2019.

Crawford, Kate. 2021. *Atlas of AI Power, Politics, and the Planetary Costs of Artificial Intelligence.* New Haven, CT: Yale University Press.

Fourcade, Marion and Healy, Kieran. 2024. *The Ordinal Society.* Cambridge, MA: Harvard University Press.

Week 4 **Who Produce Digital Data?**

Required:

Shestakofsky, Benjamin. 2017. "Working Algorithms: Software Automa-

tion and the Future of Work." *Work and Occupations* 44 (4 2017): 376–423.

Vallas, Steven and Schor, Juliet B. 2020. "What Do Platforms Do? Understanding the Gig Economy." *Annual Review of Sociology* 46 (1 2020): 273–294.

Stark, Luke and Levy, Karen. 2018. "The Surveillant Consumer." *Media Culture & Society* 40 (8): 1202–1220.

Excerpts from Roberts, Sarah T. 2019. *Behind the Screen: Content Moderation in the Shadows of Social Media.* Yale University Press.

Recommended:

Star, Susan Leigh. 1999. "The Ethnography of Infrastructure." *American Behavioral Scientist* 43 (3): 377–391.

Gray, Mary L and Suri, Siddharth. 2019. *Ghost Work: How to Stop Silicon Valley from Building a New Global Underclass.* New York, NY: Harper-Collins.

Lei, Ya-Wen. 2021. "Delivering Solidarity: Platform Architecture and Collective Contention in China's Platform Economy." *American sociological review* 86 (2 2021): 279–309.

Li, Zhuofan and Abramson, Corey M. 2023. "Ethnography and Machine Learning: Synergies and New Directions." In *Oxford Handbook of the Sociology of Machine Learning.* 2023.

Due: Mini Project #1

PART II: Structures and Relationships in Digital Data

Week 5   **The Strength of Virtual Ties**

Required:

Breiger, Ronald L. 2004. "The Analysis of Social Networks." In *Handbook of Data Analysis,* edited by Melissa Hardy and Alan Bryman, 505–526. SAGE.

Rossman, Gabriel, Esparza, Nicole, and Bonacich, Phillip. 2010. "I'd Like to Thank the Academy, Team Spillovers, and Network Centrality." *American Sociological Review* 75 (1): 31–51.

Wimmer, Andreas and Lewis, Kevin. 2010. "Beyond and Below Racial Homophily: ERG Models of a Friendship Network Documented on Facebook." *American Journal of Sociology* 116 (2): 583–642.

Bail, Christopher A, Brown, Taylor W, and Wimmer, Andreas. 2019. "Prestige, Proximity, and Prejudice: How Google Search Terms Diffuse across the World." *American Journal of Sociology* 124 (5): 1496–1548.

Leahey, Erin, Lee, Jina, and Funk, Russell J. 2023. "What Types of Novelty Are Most Disruptive?" *American sociological review* 88 (3 2023): 562–597.

RECOMMENDED:

Burt, Ronald S. 2004. "Structural Holes and Good Ideas." *American Journal of Sociology* 110 (2 2004): 349–399.

Hofstra, Bas et al. 2017. "Sources of Segregation in Social Networks: A Novel Approach Using Facebook." *American Sociological Review* 82 (3): 625–656.

Fraiberger, Samuel P et al. 2018. "Quantifying Reputation and Success in Art." *Science* 362 (6416 2018): 825–829.

McMahan, Peter and McFarland, Daniel A. 2021. "Creative Destruction: The Structural Consequences of Scientific Curation." *American Sociological Review* 86 (2): 341–376.

WEEK 6 **The Web of Group-Hyperlinks**

REQUIRED:

Breiger, Ronald L. 1974. "The Duality of Persons and Groups." *Social Forces* 53 (2): 181–190.

Ahn, Yong-Yeol et al. 2011. "Flavor Network and the Principles of Food Pairing." *Scientific Reports* 1 (1): 196.

Blaschke, Steffen, Schoeneborn, Dennis, and Seidl, David. 2012. "Organizations as Networks of Communication Episodes: Turning the Network Perspective Inside Out." *Organization Studies* 33 (7): 879–906.

Hoffman, Mark Anthony. 2019. "The Materiality of Ideology: Cultural Consumption and Political Thought after the American Revolution." *American Journal of Sociology* 125 (1): 1–62.

Lerner, Jürgen and Lomi, Alessandro. 2020. "The Free Encyclopedia that Anyone Can Dispute: An Analysis of the Micro-Structural Dynamics of Positive and Negative Relations in the Production of Contentious Wikipedia

Articles." *Social Networks* 60 (2020): 11–25.

RECOMMENDED:

Lizardo, Omar. 2006. "How Cultural Tastes Shape Personal Networks." *American Sociological Review* 71 (5 2006): 778–807.

DellaPosta, Daniel, Shi, Yongren, and Macy, Michael. 2015. "Why Do Liberals Drink Lattes?" *American Journal of Sociology* 120 (5): 1473–1511.

Błoch, Agata, Vasques Filho, Demival, and Bojanowski, Michał. 2022. "Networks from Archives: Reconstructing Networks of Official Correspondence in the Early Modern Portuguese Empire." *Social Networks* 69 (2022): 123–135.

Sugishita, Kashin and Masuda, Naoki. 2023. "Social Network Analysis of Manga: Similarities to Real-World Social Networks and Trends Over Decades." *Applied Network Science* 8 (1 2023): 1–17.

WEEK 7 **Online Marketplace, DarkNets, and Crowdfunding**

REQUIRED:

Diekmann, Andreas et al. 2014. "Reputation Formation and the Evolution of Cooperation in Anonymous Online Markets." *American Sociological Review* 79 (1): 65–85.

Duxbury, Scott W and Haynie, Dana L. 2023. "The Asymmetry of Embeddedness: Illegal Trade Networks and Drug Purchasing Diversity on An Online Illegal Drug Market." *Social Forces* 102 (4): 1535–1554.

Dalla Chiesa, Carolina and Dekker, Erwin. 2021. "Crowdfunding Artists: Beyond Match-Making on Platforms." *Socio-Economic Review* 19 (4): 1265–1290.

Ladegaard, Isak. 2020. "Open Secrecy: How Police Crackdowns and Creative Problem-Solving Brought Illegal Markets out Of the Shadows." *Social Forces* 99 (2): 532–559.

RECOMMENDED:

DiMaggio, Paul and Louch, Hugh. 1998. "Socially Embedded Consumer Transactions: For What Kinds of Purchases Do People Most Often Use

Networks?" *American Sociological Review* 63 (5): 619–637.

Kricheli-Katz, Tamar, Regev, Tali, and Correll, Shelley. 2019. "Why Are Women Penalized in Product Markets?" *Socius* 5:237802311986102.

Schor, Juliet B and Vallas, Steven P. 2021. "The Sharing Economy: Rhetoric and Reality." *Annual Review of Sociology* 47 (1): 369–389.

Halcomb, Laura. 2023. "Crowdfunding a Life: How Relationships Shape Requests for Financial Assistance." *Socio-Economic Review* 21 (2): 721–740.

Duxbury, Scott W and Haynie, Dana L. 2021. "Shining a Light on the Shadows: Endogenous Trade Structure and the Growth of an Online Illegal Market." *American Journal of Sociology* 127 (3): 787–827.

Haynie, Dana L and Duxbury, Scott W. 2024. "Online Illegal Cryptomarkets." *Annual Review of Sociology* 50 (1): 671–690.

Due: Mini Project #2

PART III: Words and Pixels in Digital Data

Week 8 **All the Internet's a Corpus, and All the Men and Women Merely Words**

Required:

Selections from Grimmer, Justin, Roberts, Margaret E, and Stewart, Brandon M. 2022. *Text as Data: A New Framework for Machine Learning and the Social Sciences.* Princeton University Press.

DiMaggio, Paul and Bonikowski, Bart. 2008. "Make Money Surfing the Web? The Impact of Internet Use on the Earnings of U.S. Workers." *American Sociological Review* 73 (2): 227–250.

Bail, Christopher A, Brown, Taylor W, and Mann, Marcus. 2017. "Channeling Hearts and Minds: Advocacy Organizations, Cognitive-Emotional Currents, and Public Conversation." *American Sociological review* 82 (6): 1188–1213.

Karell, Daniel and Freedman, Michael. 2019. "Rhetorics of Radicalism." *American Sociological Review* 84 (4): 726–753.

Heiberger, Raphael H, Munoz-Najar Galvez, Sebastian, and McFarland, Daniel A. 2021. "Facets of Specialization and Its Relation to Career Success: An Analysis of U.S. Sociology, 1980 to 2015." *American Sociological Review* 86 (6): 1164–1192.

Recommended:

Griffiths, Thomas L and Steyvers, Mark. 2004. "Finding Scientific Topics." *Proceedings of the National Academy of Sciences of the United States of America* 101 Suppl 1 (2004): 5228–5235.

Fligstein, Neil, Stuart Brundage, Jonah, and Schultz, Michael. 2017. "Seeing Like the Fed: Culture, Cognition, and Framing in the Failure to Anticipate the Financial Crisis of 2008." *American Sociological Review* 82 (5): 879–909.

Esberg, Jane. 2020. "Censorship as Reward: Evidence from Pop Culture Censorship in Chile." *American Political Science Review* 114 (3): 821–836.

Nie, Ke. 2021. "Disperse and Preserve the Perverse: Computing how Hip-Hop Censorship Changed Popular Music Genres in China." *Poetics* 88:101590.

Week 9 **Politics, Culture, and the Missing Linguistic Turn**

Required:

Selections from Grimmer, Justin, Roberts, Margaret E, and Stewart, Brandon M. 2022. *Text as Data: A New Framework for Machine Learning and the Social Sciences.* Princeton University Press.

Domingos, Pedro. 2012. "A Few Useful Things to Know About Machine Learning." *Communications of the ACM* 55 (10): 78–87.

Wilmers, Nathan and Zhang, Letian. 2022. "Values and Inequality: Prosocial Jobs and the College Wage Premium." *American sociological review* 87 (3 2022): 415–442.

Zhou, Di. 2022. "The Elements of Cultural Power: Novelty, Emotion, Status, and Cultural Capital." *American Sociological Review* 87 (5): 750–781.

Bonikowski, Bart, Luo, Yuchen, and Stuhler, Oscar. 2022. "Politics as Usual? Measuring Populism, Nationalism, and Authoritarianism in U.S. Presidential Campaigns (1952-2020) with Neural Language Models." *Sociological Methods & Research* 51 (4 2022): 1721–1787.

Recommended:

Garg, Nikhil et al. 2018. "Word Embeddings Quantify 100 Years of Gender

and Ethnic Stereotypes." *Proceedings of the National Academy of Sciences of the United States of America* 115 (16): E3635–E3644.

Lenci, Alessandro. 2018. "Distributional Models of Word Meaning." *Annual Review of Linguistics* 4 (1): 151–171.

Rodriguez, Pedro L and Spirling, Arthur. 2022. "Word Embeddings: What Works, What Doesn't, and How to Tell the Difference for Applied Research." *Journal of Politics* 84 (1): 101–115.

Stuhler, Oscar. 2022. "Who Does What to Whom? Making Text Parsers Work for Sociological Inquiry." *Sociological Methods & Research* 51 (4 2022): 1580–1633.

Barberá, Pablo et al. 2020. "Automated Text Classification of News Articles: A Practical Guide." *Political Analysis,* 1–24.

Nelson, Laura K et al. 2021. "The Future of Coding: A Comparison of Hand-Coding and Three Types of Computer-Assisted Text Analysis Methods." *Sociological Methods & Research* 50 (1): 202–237.

Li, Zhuofan and Abramson, Corey M. 2023. "Ethnography and Machine Learning: Synergies and New Directions." In *Oxford Handbook of the Sociology of Machine Learning.* 2023.

Week 10   **From Images to Chatbots to a Future with Generative AI**

Required:

Hwang, Jackelyn and Sampson, Robert J. 2014. "Divergent Pathways of Gentrification: Racial Inequality and the Social Order of Renewal in Chicago Neighborhoods." *American Sociological Review* 79 (4): 726–751.

Legewie, Joscha and Schaeffer, Merlin. 2016. "Contested Boundaries: Explaining Where Ethnoracial Diversity Provokes Neighborhood Conflict." *American Journal of Sociology* 122 (1): 125–161.

Adukia, Anjali et al. 2023. "What We Teach About Race and Gender: Representation in Images and Text of Children's Books." *Quarterly Journal of Economics* 138 (4): 2225–2285.

Davidson, Thomas. 2024. "Start Generating: Harnessing Generative Artificial Intelligence for Sociological Research." *Socius* 10.

Bail, Christopher A. 2024. "Can Generative Ai Improve Social Science?" *Proceedings of the National Academy of Sciences of the United States of America* 121 (21): e2314021121.

Recommended:

Kristensen-McLachlan, Ross Deans et al. 2023. "Chatbots Are Not Reliable Text Annotators." *arXiv,* 2311.05769.

Dietrich, Bryce J. 2021. "Using Motion Detection to Measure Social Polarization in the U.S. House of Representatives." *Political Analysis* 29 (2): 250–259.

Bernasco, Wim et al. 2022. "Promise Into Practice: Application of Computer Vision in Empirical Research on Social Distancing." *Sociological Methods & Research* (2022): 00491241221099554.

Torres, Michelle. 2024. "A Framework for the Unsupervised and Semi-Supervised Analysis of Visual Frames." *Political Analysis* 32 (2): 199–220.

Joyce, Kelly et al. 2021. "Toward a Sociology of Artificial Intelligence: A Call for Research on Inequalities and Structural Change." *Socius* 7:2378023121999581.

Due: Mini Project #3

PART IV: How to Use and Abuse Digital Data

Week 11 **Code of the Street, Code of the Tweet**

Required:

Bennett, W Lance and Segerberg, Alexandra. 2012. "The Logic of Connective Action." *Information, Communication and Society* 15 (5): 739–768.

Bail, Christopher A et al. 2018. "Exposure to Opposing Views on Social Media Can Increase Political Polarization." *Proceedings of the National Academy of Sciences* 115 (37): 9216–9221.

Stuart, Forrest. 2019. "Code of the Tweet: Urban Gang Violence in the Social Media Age." *Social Problems* 67 (2 2019): 191–207.

Baldor, Tyler. 2022. "Acquainted Strangers: Thwarted Interaction in Digitally Mediated Urban Gay Bars." *Social Problems* 69 (1 2022): 58–73.

Recommended:

Earl, Jennifer and Kimport, Katrina. 2011. *Digitally Enabled Social Change:*

Online and Offline Activism in the Age of the Internet. Cambridge, MA: MIT Press.

Tufekci, Zeynep. 2017. *Twitter and Tear Gas: The Power and Fragility of Networked Protest.* New Haven, CT: Yale University Press, 2017.

Schradie, Jen. 2019. *The Revolution That Wasn't: How Digital Activism Favors Conservatives.* Cambridge, MA: Harvard University Press, 2019.

Zhang, Han and Pan, Jennifer. 2019. "CASM: A Deep-Learning Approach for Identifying Collective Action Events with Text and Image Data from Social Media." *Sociological Methodology* 49 (1): 1–57.

Porta, Donatella della et al. 2024. "Expanding Protest Event Analysis Through Videos." *Mobilization* 29 (2 2024): 245–262.

Hsiao, Yuan, Leverso, John, and Papachristos, Andrew V. 2023. "The Corner, the Crew, and the Digital Street: Multiplex Networks of Gang Online-Offline Conflict Dynamics in the Digital Age." *American Sociological Review* 88 (4 2023): 709–741.

Week 12   **Electronic Health Records and Digital Health Apps**

REQUIRED:

Ruckenstein, Minna and Schüll, Natasha Dow. 2017. "The Datafication of Health." *Annual Review of Anthropology* 46 (1): 261–278.

Obermeyer, Ziad et al. 2019. "Dissecting Racial Bias in An Algorithm Used to Manage the Health of Populations." *Science* 366 (6464): 447–453.

Greve, Henrich R et al. 2022. "Online Conspiracy Groups: Micro-Bloggers, Bots, and Coronavirus Conspiracy Talk on Twitter." *American Sociological Review* 87 (6 2022): 919–949.

Cruz, Taylor Marion. 2024. "Racing the Machine: Data Analytic Technologies and Institutional Inscription of Racialized Health Injustice." *Journal of Health and Social Behavior* 65 (1): 110–125.

RECOMMENDED:

Berg, Marc and Bowker, Geoffrey. 1997. "The Multiple Bodies of the Medical Record: Toward a Sociology of An Artifact." *Sociological Quarterly* 38 (3): 513–537.

Miller, Amalia R and Tucker, Catherine E. 2011. "Can Health Care Information Technology Save Babies?" *Journal of Political Economy* 119 (2): 289–324.

Lupton, Deborah. 2014. "Critical Perspectives on Digital Health Technologies: Digital Health Technologies." *Sociology Compass* 8 (12 2014): 1344–1359.

Vaan, Mathijs de and Stuart, Toby. 2022. "Gender in the Markets for Expertise." *American Sociological Review* 87 (3): 443–477.

Vale, Mira D. 2024. "Moral Entrepreneurship and the Ethics of Artificial Intelligence in Digital Psychiatry." *Socius* 10:23780231241259641.

WEEK 13   **Criminal Records, Predictive Policing, and Big Data Surveillance**

REQUIRED:

Brayne, Sarah. 2017. "Big Data Surveillance: The Case of Policing." *American Sociological Review* 82 (5): 977–1008.

Brayne, Sarah and Christin, Angèle. 2020. "Technologies of Crime Prediction: The Reception of Algorithms in Policing and Criminal Courts." *Social Problems* 68 (3): 608–624.

Brayne, Sarah, Lageson, Sarah, and Levy, Karen. 2023. "Surveillance Deputies: When Ordinary People Surveil for the State." *Law & Society Review* 57 (4): 462–488.

Lara-Millán, Armando and Guzman-Garcia, Melissa. 2023. "Digital Platforms and the Maintenance of the Urban Order." *Social Problems,* spad053.

RECOMMENDED:

Ferguson, Andrew Guthrie. 2019. *The Rise of Big Data Policing: Surveillance, Race, and the Future of Law Enforcement.* New York, NY: NYU Press.

Brayne, Sarah. 2020. *Predict and Surveil: Data, Discretion, and the Future of Policing.* New York, NY: Oxford University Press.

Lageson, Sarah Esther. 2020. *Digital Punishment: Privacy, Stigma, and the Harms of Data-Driven Criminal Justice.* Oxford University Press.

Newell, Bryce Clayton. 2021. *Police Visibility: Privacy, Surveillance, and*

the False Promise of Body-Worn Cameras. University of California Press.

Calacci, Dan, Shen, Jeffrey J, and Pentland, Alex. 2022. "The Cop In Your Neighbor's Doorbell: Amazon Ring and the Spread of Participatory Mass Surveillance." *Proceedings of the ACM on Human-Computer Interaction* (New York, NY, USA) 6 (CSCW2 2022): 1–47.

Due: Mini Project #4.

Week 14 **Credit, Risk, and Metrics**

Required:

Carruthers, Bruce G. 2013. "From Uncertainty Toward Risk: the Case of Credit Ratings." *Socio-Economic Review* 11 (3): 525–551.

Kiviat, Barbara. 2019. "The Moral Limits of Predictive Practices: The Case of Credit-Based Insurance Scores." *American Sociological Review* 84 (6): 1134–1158.

Christin, Angèle. 2018. "Counting Clicks: Quantification and Variation in Web Journalism in the United States and France." *American Journal of Sociology* 123 (5): 1382–1415.

Ranganathan, Aruna and Benson, Alan. 2020. "A Numbers Game: Quantification of Work, Auto-Gamification, and Worker Productivity." *American Sociological Review* 85 (4): 573–609.

Recommended:

Bouk, Dan. 2017. "The History and Political Economy of Personal Data over the Last Two Centuries in Three Acts." *Osiris* 32 (1): 85–106.

Brensinger, Jordan. 2023. "Identity Theft, Trust Breaches, and the Production of Economic Insecurity." *American Sociological Review* 88 (5): 844–871.

PART V: Conclusion

Week 15 **Being A Sociologist in a Digital World**

Required:

Wagner, Claudia et al. 2021. "Measuring algorithmically infused societies."

Nature 595 (7866): 197–204.

Due: Presentation #2.

Due: Working Paper.