

# Sloan Privacy Bibliography

John Abowd, Ian Schmutte, William Sexton, Lars Vilhuber

February 22, 2019

This bibliography is generated for the Sloan project at Cornell University’s Labor Dynamics Institute. It is a curated selection of privacy-related articles. Articles are in alphabetical order of the first author’s last name.

## Key References

## Background

- 13 U.S. Code (1954). *USC: Title 13 - Census Act*. URL: [https://www.law.cornell.edu/uscode/pdf/l11\\_usc\\_T13.pdf](https://www.law.cornell.edu/uscode/pdf/l11_usc_T13.pdf).
- 44 U.S. Code (2002). *Confidential Information Protection and Statistical Efficiency Act*. Pub. L. 107-347, title V, Dec. 17, 2002, 116 Stat. 2962 ( 44 U.S.C. 3501 note). URL: [http://www.law.cornell.edu/topn/confidential\\_information\\_protection\\_and\\_statistical\\_efficiency\\_act\\_of\\_2002](http://www.law.cornell.edu/topn/confidential_information_protection_and_statistical_efficiency_act_of_2002).
- Abowd, John M. and Ian M. Schmutte (2019). “An Economic Analysis of Privacy Protection and Statistical Accuracy as Social Choices”. In: *American Economic Review* 109.1, pp. 171–202.
- Dwork, Cynthia and Aaron Roth (2014). “The Algorithmic Foundations of Differential Privacy”. In: *Foundations and Trends in Theoretical Computer Science* 9.3-4, pp. 211–407. ISSN: 1551-305X. DOI: 10.1561/04000000042. URL: <http://www.nowpublishers.com/articles/foundations-and-trends-in-theoretical-computer-science/TCS-042>.
- Harvard Data Privacy Lab (2018). *Harvard Data Privacy Lab Homepage*. <https://dataprivacylab.org/>. Accessed: 2018-03-17. DOI: N/A. URL: <https://dataprivacylab.org/>.

- Heffetz, Ori and Katrina Ligett (2014). “Privacy and data-based research”. In: *Journal of Economic Perspectives* 28.2. Spring, pp. 75–98. DOI: 10.1257/jep.28.2.75. URL: <https://www.aeaweb.org/articles?id=10.1257/jep.28.2.75>.
- Jones, Christa (June 2017). *Nonconfidential Memorandum on Census Bureau Privacy Breaches*. Memorandum to file. public document in replication archive 10.5281/zenodo.1208758. DOI: N/A. URL: N/A.
- Nissim, Kobbi, Thomas Steinke, Alexandra Wood, Micah Altman, Aaron Benbenek, Mark Bun, Marco Gaboardi, David R. O’Brien, and Salil Vadhan (2018). “Differential Privacy: A Primer for a Non-Technical Audience”. In: *Privacy Law Scholars Conference 2017*. DOI: N/A. URL: [https://openscholar.mit.edu/sites/default/files/dept/files/nissim\\_et\\_al\\_-\\_differential\\_privacy\\_primer\\_for\\_non-technical\\_audiences\\_1.pdf](https://openscholar.mit.edu/sites/default/files/dept/files/nissim_et_al_-_differential_privacy_primer_for_non-technical_audiences_1.pdf).

## Formal Privacy

- Cummings, Rachel, Federico Echenique, and Adam Wierman (2014). “The Empirical Implications of Privacy-Aware Choice”. In: *CoRR* abs/1401.0336. URL: <http://arxiv.org/abs/1401.0336>.
- Dinur, Irit and Kobbi Nissim (2003). “Revealing information while preserving privacy”. In: *Proceedings of the Twenty-second ACM SIGMOD-SIGACT-SIGART Symposium on Principles of Database Systems*. PODS ’03. San Diego, California: ACM, pp. 202–210. ISBN: 1-58113-670-6. DOI: 10.1145/773153.773173. URL: <http://doi.acm.org/10.1145/773153.773173>.
- Duchi, John C., Michael I. Jordan, and Martin J. Wainwright (2013). “Local Privacy and Statistical Minimax Rates”. In: *Proceedings of the 2013 IEEE 54th Annual Symposium on Foundations of Computer Science*. FOCS ’13. Washington, DC, USA: IEEE Computer Society, pp. 429–438. ISBN: 978-0-7695-5135-7. DOI: 10.1109/FOCS.2013.53. URL: <http://dx.doi.org/10.1109/FOCS.2013.53>.
- Dwork, Cynthia, Frank McSherry, Kobbi Nissim, and Adam Smith (2006b). “Calibrating Noise to Sensitivity in Private Data Analysis”. In: *Proceedings of the Third conference on Theory of Cryptography*. TCC’06. DOI:10.1007/11681878\_14. New York, NY: Springer-Verlag, pp. 265–284. ISBN: 978-3-540-32731-8. DOI: 10.29012/jpc.v7i3.405. URL: [https://link.springer.com/chapter/10.1007%2F11681878\\_14](https://link.springer.com/chapter/10.1007%2F11681878_14).

- Gupta, Anupam, Aaron Roth, and Jonathan Ullman (2012a). “Iterative constructions and private data release”. In: *Proceedings of the 9th International Conference on Theory of Cryptography*. TCC’12. Sicily, Italy: Springer-Verlag, pp. 339–356. ISBN: 978-3-642-28913-2. DOI: 10.1007/978-3-642-28914-9\_19. URL: [https://link.springer.com/chapter/10.1007%2F978-3-642-28914-9\\_19](https://link.springer.com/chapter/10.1007%2F978-3-642-28914-9_19).
- Hardt, Moritz, Katrina Ligett, and Frank McSherry (2012). “A Simple and Practical Algorithm for Differentially Private Data Release.” In: *Advances in Neural Information Processing Systems 25*. Ed. by F. Pereira, C.J.C. Burges, L. Bottou, and K.Q. Weinberger. Curran Associates, Inc., pp. 2339–2347. URL: <http://papers.nips.cc/paper/4548-a-simple-and-practical-algorithm-for-differentially-private-data-release.pdf>.
- Hardt, Moritz and Guy N. Rothblum (2010). “A Multiplicative Weights Mechanism for Privacy-Preserving Data Analysis”. In: *2010 IEEE 51st Annual Symposium on Foundations of Computer Science*, pp. 61–70. ISSN: 0272-5428. DOI: 10.1109/FOCS.2010.85. URL: <https://ieeexplore.ieee.org/document/5670948>.
- He, Xi, Ashwin Machanavajjhala, and Bolin Ding (2014). “Blowfish privacy: tuning privacy-utility trade-offs using policies”. In: *Proceedings of the ACM SIGMOD International Conference on Management of Data*. Association for Computing Machinery, pp. 1447–1458. ISBN: 9781450323765. DOI: 10.1145/2588555.2588581. URL: <https://dl.acm.org/citation.cfm?doid=2588555.2588581>.
- Kasiviswanathan, Shiva P and Adam Smith (2014). “On the ‘Semantics’ of Differential Privacy: A Bayesian Formulation”. In: *Journal of Privacy and Confidentiality* 6.1, p. 1. DOI: 10.29012/jpc.v6i1.634. URL: <https://journalprivacyconfidentiality.org/index.php/jpc/article/view/634>.
- Li, Chao, Gerome Miklau, Michael Hay, Andrew McGregor, and Vibhor Rastogi (2015). “The matrix mechanism: optimizing linear counting queries under differential privacy”. In: *The VLDB Journal* 24.6, pp. 757–781. ISSN: 0949-877X. DOI: 10.1007/s00778-015-0398-x. URL: <http://dx.doi.org/10.1007/s00778-015-0398-x>.
- Nissim, Kobbi, Claudio Orlandi, and Rann Smorodinsky (2012a). “Privacy-aware mechanism design”. In: *Proceedings of the 13th ACM Conference on Electronic Commerce*. EC ’12. Valencia, Spain: ACM, pp. 774–789.

ISBN: 978-1-4503-1415-2. DOI: 10.1145/2229012.2229073. URL: <http://doi.acm.org/10.1145/2229012.2229073>.

Sweeney, L (2002). “Achieving k-anonymity privacy protection using generalization and suppression”. In: *International Journal on Uncertainty, Fuzziness and Knowledge-based Systems* 10.5, pp. 571–588. DOI: 10.1142/s021848850200165x.

## Economics of Privacy

Campbell, James, Avi Goldfarb, and Catherine Tucker (2015). “Privacy Regulation and Market Structure”. In: *Journal of Economics & Management Strategy* 24.1, pp. 47–73. DOI: 10.1111/jems.12079. eprint: <https://onlinelibrary.wiley.com/doi/pdf/10.1111/jems.12079>. URL: <https://onlinelibrary.wiley.com/doi/abs/10.1111/jems.12079>.

Hirshleifer, Jack (1980). “Privacy: its origin, function, and future”. In: *The Journal of Legal Studies*, pp. 649–664. DOI: 10.1086/467659. URL: <https://www.journals.uchicago.edu/doi/abs/10.1086/467659?journalCode=jls>.

Hsu, Justin, Marco Gaboardi, Andreas Haeberlen, Sanjeev Khanna, Arjun Narayan, Benjamin C. Pierce, and Aaron Roth (July 2014). “Differential Privacy: An Economic Method for Choosing Epsilon”. In: *2014 IEEE 27th Computer Security Foundations Symposium*, pp. 398–410. ISSN: 1063-6900. DOI: 10.1109/CSF.2014.35. URL: <https://ieeexplore.ieee.org/document/6957125>.

Jin, Ginger Zhe (Jan. 2018). *Artificial Intelligence and Consumer Privacy*. Working Paper 24253. National Bureau of Economic Research. DOI: 10.3386/w24253. URL: <http://www.nber.org/papers/w24253>.

Ohm, Paul (2010). “Broken promises of privacy: responding to the surprising failure of anonymization”. In: *UCLA Law Review* 57, p. 1701.

Posner, Richard A. (1981). “The economics of privacy”. In: *The American economic review*, pp. 405–409.

Stigler, George J. (Dec. 1980). “An introduction to privacy in economics and politics”. In: *Journal of Legal Studies* 9.4, pp. 623–644. ISSN: 0047-2530. DOI: 10.2307/724174.

Varian, Hal (1996). “Economic aspects of personal privacy”. In: *Topics in Regulatory Economics and Policy* 3, pp. 1–12. DOI: 10.1007/978-1-4419-0038-8. URL: <http://citeseerx.ist.psu.edu/viewdoc/download?>

doi=10.1.1.39.1701%7B%5C%7Damp;rep=rep1%7B%5C%7Damp;  
type=pdf%5Cbackslash\$nhhttp://citeseerx.ist.psu.edu/viewdoc/  
download?doi=10.1.1.39.1701%7B%5C%7Drep=rep1%7B%5C%7Dtype=  
pdf.

## Official Statistics

- Childs, Jennifer Hunter, Ryan King, and Aleia Fobia (2015). “Confidence in U.S. federal statistical agencies”. In: *Survey Practice* 8.5. ISSN: 2168-0094. DOI: 10.29115/sp-2015-0024. URL: <https://www.surveypractice.org/article/2833-confidence-in-u-s-federal-statistical-agencies>.
- Haney, Samuel, Ashwin Machanavajjhala, John M. Abowd, Matthew Graham, Mark Kutzbach, and Lars Vilhuber (2017). “Utility Cost of Formal Privacy for Releasing National Employer-Employee Statistics”. In: *Proceedings of the 2017 International Conference on Management of Data*. Vol. forthcoming. SIGMOD ’17. ACM. DOI: 10.1145/3035918.3035940. URL: <http://dx.doi.org/10.1145/3035918.3035940>.
- Holan, Scott H., Daniell Toth, Marco A. R. Ferreira, and Alan F. Karr (2010). “Bayesian Multiscale Multiple Imputation With Implications for Data Confidentiality”. In: *Journal of the American Statistical Association* 105.490, pp. 564–577. ISSN: 0162-1459. DOI: 10.1198/jasa.2009.ap08629. URL: <http://www.tandfonline.com/doi/abs/10.1198/jasa.2009.ap08629>.
- Manski, Charles F. (Sept. 2015). “Communicating Uncertainty in Official Economic Statistics: An Appraisal Fifty Years after Morgenstern”. In: *Journal of Economic Literature* 53.3, pp. 631–53. DOI: 10.1257/jel.53.3.631. URL: <https://www.aeaweb.org/articles?id=10.1257/jel.53.3.631>.
- National Academies of Sciences, Engineering, and Medicine (2017a). *Innovations in Federal Statistics: Combining Data Sources While Protecting Privacy*. Committee on National Statistics. Washington, DC: National Academies Press. ISBN: 978-0-309-45428-5. DOI: doi:10.17226/24652. URL: <https://www.nap.edu/catalog/24652/innovations-in-federal-statistics-combining-data-sources-while-protecting-privacy>.

- Prewitt, Kenneth (2011). “Why It Matters to Distinguish Between Privacy & Confidentiality”. In: *Journal of Privacy and Confidentiality* 3.2, pp. 41–47. DOI: 10.29012/jpc.v3i2.600. URL: <https://journalprivacyconfidentiality.org/index.php/jpc/article/view/600>.
- Schmutte, Ian M. and Lars Vilhuber, eds. (Jan. 2017). *Proceedings from the 2016 NSF-Sloan Workshop on Practical Privacy*. Labor Dynamics Institute. Cornell University. DOI: N/A. URL: <https://digitalcommons.ilr.cornell.edu/ldi/33/>.

## Statistical Disclosure Limitation

- Abowd, John M. and Ian M. Schmutte (2015a). “Economic analysis and statistical disclosure limitation”. In: *Brookings Papers on Economic Activity*. Spring, pp. 221–267. DOI: 10.1353/eca.2016.0004. URL: <http://www.brookings.edu/~media/Projects/BPEA/Spring-2015-Revised/AbowdText.pdf?la=en>.
- Anderson, Margo and William Seltzer (2007). “Challenges to the confidentiality of US federal statistics, 1910-1965”. In: *Journal of Official Statistics* 23.1, p. 1.
- Dalenius, Tore (1977). “Towards a methodology for statistical disclosure control”. In: *Statistik Tidskrift* 15, pp. 429–444. DOI: 10.1145/320613.320616. URL: <https://dl.acm.org/citation.cfm?doid=320613.320616>.
- Duncan, George and Diane Lambert (Mar. 1986). “Disclosure-limited data dissemination”. In: *Journal of the American Statistical Association* 81.393, pp. 10–18. DOI: 10.1080/01621459.1986.10478229. URL: <https://www.tandfonline.com/doi/abs/10.1080/01621459.1986.10478229>.
- Fellegi, I. P. (1972). “On the question of statistical confidentiality”. English. In: *Journal of the American Statistical Association* 67.337, pp. 7–18. ISSN: 0162-1459. DOI: 10.2307/2284695. URL: <https://amstat.tandfonline.com/doi/abs/10.1080/01621459.1972.10481199#.XFuE8VxKg2w>.
- Garfinkel, Simson (Oct. 2015). *De-Identification of Personal Information*. Internal Report 8053. National Institute of Standards and Technology. DOI: 10.6028/nist.ir.8053. URL: [http://costic1206.uvigo.es/sites/default/files/Documents\\_of\\_Interest/NISTIR%208053.pdf](http://costic1206.uvigo.es/sites/default/files/Documents_of_Interest/NISTIR%208053.pdf).

- Harris-Kojetin, Brian A. et al. (Dec. 2005). *Statistical Policy Working Paper 22: Report on Statistical Disclosure Limitation Methodology*. Research Report. U.S. Federal Committee on Statistical Methodology.
- Kinney, Satkartar K., Jerome P. Reiter, Arnold P. Reznick, Javier Miranda, Ron S. Jarmin, and John M. Abowd (2011). “Towards Unrestricted Public Use Business Microdata: The Synthetic Longitudinal Business Database”. In: *International Statistical Review* 79.3, pp. 362–384. ISSN: 1751-5823. DOI: 10.1111/j.1751-5823.2011.00153.x. URL: <http://dx.doi.org/10.1111/j.1751-5823.2011.00153.x>.

## Value of Privacy

- Couper, Mick P, Eleanor Singer, Frederick G Conrad, and Robert M Groves (2008). “Risk of disclosure, perceptions of risk, and concerns about privacy and confidentiality as factors in survey participation”. In: *Journal of official statistics* 24.2, p. 255.
- Cummings, Rachel, Katrina Ligett, Kobbi Nissim, Aaron Roth, and Zhiwei Steven Wu (2016). “Adaptive Learning with Robust Generalization Guarantees”. In: *CoRR* abs/1602.07726. DOI: N/A. URL: <http://arxiv.org/abs/1602.07726>.
- Dwork, Cynthia, Vitaly Feldman, Moritz Hardt, Toni Pitassi, Omer Reingold, and Aaron Roth (2015). “Generalization in Adaptive Data Analysis and Holdout Reuse”. In: *Advances in Neural Information Processing Systems* 28. Ed. by C. Cortes, N. D. Lawrence, D. D. Lee, M. Sugiyama, and R. Garnett. Curran Associates, Inc., pp. 2341–2349. DOI: N/A. URL: <http://papers.nips.cc/paper/5993-generalization-in-adaptive-data-analysis-and-holdout-reuse.pdf>.
- Ghosh, Arpita and Aaron Roth (2015). “Selling privacy at auction”. In: *Games and Economic Behavior* 91, pp. 334–346. DOI: 10.1016/j.geb.2013.06.013. URL: <https://www.sciencedirect.com/science/article/pii/S0899825613000961>.
- Goldfarb, Avi and Catherine Tucker (May 2012). “Shifts in Privacy Concerns”. In: *American Economic Review* 102.3, pp. 349–53. DOI: 10.1257/aer.102.3.349. URL: <http://www.aeaweb.org/articles?id=10.1257/aer.102.3.349>.
- Goroff, Daniel L. (2015). “Balancing privacy versus accuracy in research protocols”. In: *Science* 347.6221, pp. 479–480. DOI: 10.1126/science.

- aaa3483. eprint: <http://www.sciencemag.org/content/347/6221/479.full.pdf>. URL: [http://www.sciencemag.org/content/347/6221/479.summary](http://www.sciencemag.org/content/347/6221/479%5Cbackslash$http://www.ncbi.nlm.nih.gov/pubmed/25635075%5Cbackslash$http://www.sciencemag.org/content/347/6221/479.full.pdf%5Cbackslash$http://www.sciencemag.org/content/347/6221/479.summary).
- Li, Chao, Daniel Yang Li, Gerome Miklau, and D A N Suciu (2014). “A Theory of Pricing Private Data”. In: *ACM Transactions on Database Systems* 39.4. Pages 34:1–34:27, 34:1–34:27. ISSN: 0362-5915. DOI: 10.1145/2448496.2448502. arXiv: 1208.5258. URL: <https://dl.acm.org/citation.cfm?doid=2448496.2448502>.
- Nissim, Kobbi, Salil Vadhan, and David Xiao (2014). “Redrawing the Boundaries on Purchasing Data from Privacy-sensitive Individuals”. In: *Proceedings of the 5th Conference on Innovations in Theoretical Computer Science*, pp. 411–422. DOI: 10.1145/2554797.2554835. arXiv: 1401.4092. URL: <http://doi.acm.org/10.1145/2554797.2554835>.

## Value of Data

- Bergemann, Dirk, Alessandro Bonatti, and Alex Smolin (Jan. 2018). “The Design and Price of Information”. In: *American Economic Review* 108.1, pp. 1–48. DOI: 10.1257/aer.20161079. URL: <http://www.aeaweb.org/articles?id=10.1257/aer.20161079>.
- Card, David, Alexandre Mas, Enrico Moretti, and Emmanuel Saez (May 2012). “Inequality at work: the effect of peer salaries on job satisfaction”. In: *American Economic Review* 102.6, pp. 2981–3003. DOI: 10.1257/aer.102.6.2981. URL: <http://www.aeaweb.org/articles?id=10.1257/aer.102.6.2981>.
- Perez-Truglia, Ricardo (Feb. 2016). “The effects of income transparency on well-being: evidence from a natural experiment”. In: *SSRN*. DOI: 10.2139/ssrn.2657808. URL: [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2657808](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2657808).
- Pomatto, Luciano, Philipp Strack, and Omer Tamuz (2018). *The Cost of Information*. Tech. rep. arXiv.
- Spencer, Bruce D. (1985). “Optimal Data Quality”. In: *Journal of the American Statistical Association* 80.391, pp. 564–573. DOI: 10.1080/01621459.1985.10478155. eprint: <http://www.tandfonline.com/doi/pdf/10.1080/01621459.1985.10478155>.



- 1080/01621459.1985.10478155. URL: <http://www.tandfonline.com/doi/abs/10.1080/01621459.1985.10478155>.
- Spencer, Bruce David and Zachary H. Seeskin (2015). "Effects of Census Accuracy on Apportionment of Congress and Allocations of Federal Funds". English (US). In: *JSM Proceedings, Government Statistics Section*, pp. 3061–3075. DOI: N/A. URL: <https://www.ipr.northwestern.edu/publications/papers/2015/ipr-wp-15-05.html>.
- Taylor, Curtis R. (2004). "Consumer privacy and the market for customer information". English. In: *The RAND Journal of Economics* 35.4, pp. 631–650. ISSN: 0741-6261. DOI: 10.2307/1593765. URL: <http://doi.wiley.com/10.2307/1593765>.
- Varian, Hal R (1998). "Markets for Information Goods". In: *October* 1998.4, pp. 1–19. URL: <http://people.ischool.berkeley.edu/%7B~%7Dhal/Papers/japan/index.html>.

## Additional Reading

### Formal Privacy

- Bhaskara, Aditya, Daniel Dadush, Ravishankar Krishnaswamy, and Kunal Talwar (2012). “Unconditional Differentially Private Mechanisms for Linear Queries”. In: *Proceedings of the Forty-fourth Annual ACM Symposium on Theory of Computing*. STOC ’12. New York, New York, USA: ACM, pp. 1269–1284. ISBN: 978-1-4503-1245-5. DOI: 10.1145/2213977.2214089. URL: <http://doi.acm.org/10.1145/2213977.2214089>.
- Bun, Mark and Thomas Steinke (2016). “Concentrated differential privacy: simplifications, extensions, and lower bounds”. In: *CoRR* abs/1605.02065. DOI: 10.1007/978-3-662-53641-4\_24. URL: <http://arxiv.org/abs/1605.02065>.
- Chaudhuri, Kamalika, Claire Monteleoni, and Anand D. Sarwate (2011). “Differentially Private Empirical Risk Minimization”. In: *Journal of Machine Learning Research* 12, pp. 1069–1109. ISSN: 1532-4435. arXiv: 0912.0071. URL: <http://www.jmlr.org/papers/volume12/chaudhuri11a/chaudhuri11a.pdf>.
- Chen, Yan, Ashwin Machanavajjhala, Jerome P. Reiter, and Andres F. Barentos (2016). “Differentially Private Regression Diagnostics”. In: *2016 IEEE International Conference on Data Mining*, pp. 81–90. DOI: 10.1109/icdm.2016.0019. URL: <https://ieeexplore.ieee.org/abstract/document/7837832>.
- Chen, Yiling, Stephen Chong, Ian A. Kash, Tal Moran, and Salil Vadhan (Mar. 2016). “Truthful Mechanisms for Agents That Value Privacy”. In: *ACM Trans. Econ. Comput.* 4.3, 13:1–13:30. ISSN: 2167-8375. DOI: 10.1145/2892555. URL: <http://doi.acm.org/10.1145/2892555>.
- Cormode, G., C. Procopiuc, D. Srivastava, E. Shen, and T. Yu (Apr. 2012). “Differentially Private Spatial Decompositions”. In: *2012 IEEE 28th International Conference on Data Engineering*, pp. 20–31. DOI: 10.1109/ICDE.2012.16.
- Cummings, Rachel, Stratis Ioannidis, and Katrina Ligett (2015). “Truthful Linear Regression”. In: *CoRR* abs/1506.03489. DOI: N/A. URL: <http://arxiv.org/abs/1506.03489>.
- Cummings, Rachel, Michael Kearns, Aaron Roth, and Zhiwei Steven Wu (2014). “Privacy and Truthful Equilibrium Selection for Aggregative Games”.

- In: *CoRR* abs/1407.7740. DOI: 10.1007/978-3-662-48995-6\_21. URL: <http://arxiv.org/abs/1407.7740>.
- Cummings, Rachel, Katrina Ligett, Mallesh M. Pai, and Aaron Roth (2015). “The Strange Case of Privacy in Equilibrium Models”. In: *CoRR* abs/1508.03080. DOI: 10.1145/2940716.2940740. URL: <http://arxiv.org/abs/1508.03080>.
- Cummings, Rachel, Katrina Ligett, Jaikumar Radhakrishnan, Aaron Roth, and Zhiwei Steven Wu (2015). “Coordination Complexity: Small Information Coordinating Large Populations”. In: *CoRR* abs/1508.03735. DOI: 10.1145/2840728.2840767. URL: <http://arxiv.org/abs/1508.03735>.
- Cummings, Rachel, Katrina Ligett, Aaron Roth, Zhiwei Steven Wu, and Juba Ziani (2015). “Accuracy for Sale: Aggregating Data with a Variance Constraint”. In: *Proceedings of the 2015 Conference on Innovations in Theoretical Computer Science*. ITCS ’15. Rehovot, Israel: ACM, pp. 317–324. ISBN: 978-1-4503-3333-7. DOI: 10.1145/2688073.2688106. URL: <http://doi.acm.org/10.1145/2688073.2688106>.
- Cynthia Dwork, Adam Smith (2009). “Differential privacy for statistics: What we know and what we want to learn”. In: *Journal of Privacy and Confidentiality* 1.2, pp. 135–154. DOI: 10.29012/jpc.v1i2.570. URL: <http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.206.2441>.
- Differential Privacy Team (2017). “Learning with Privacy at Scale”. In: *Apple Machine Learning Journal* 1.8. DOI: N/A. URL: <https://machinelearning.apple.com/2017/12/06/learning-with-privacy-at-scale.html>.
- Ding, Bolin, Janardhan Kulkarni, and Sergey Yekhanin (Dec. 2017). “Collecting Telemetry Data Privately”. In: *Advances in Neural Information Processing Systems* 30. URL: <https://www.microsoft.com/en-us/research/publication/collecting-telemetry-data-privately/>.
- Domingo-Ferrer, Josep and Krishnamurthy Muralidhar (Apr. 2016). “New directions in anonymization: permutation paradigm, verifiability by subjects and intruders, transparency to users”. In: *Information Sciences* 337. ISSN: 0020-0255, pp. 11–24. DOI: <https://doi.org/10.1016/j.ins.2015.12.014>. URL: <https://www.sciencedirect.com/science/article/pii/S0020025515009032>.
- Du, Wenliang and Zhijun Zhan (2003). “Using randomized response techniques for privacy-preserving data mining”. In: *Proceedings of the Ninth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*. KDD ’03. Washington, D.C.: ACM, pp. 505–510. ISBN: 1-

- 58113-737-0. DOI: 10.1145/956750.956810. URL: <http://doi.acm.org/10.1145/956750.956810>.
- Duchi, John C., Michael I. Jordan, and Martin J. Wainwright (Dec. 2014). “Privacy Aware Learning”. In: *J. ACM* 61.6, 38:1–38:57. ISSN: 0004-5411. DOI: 10.1145/2666468. URL: <http://doi.acm.org/10.1145/2666468>.
- (2016). “Minimax Optimal Procedures for Locally Private Estimation”. In: *arXiv*. DOI: 10.1080/01621459.2017.1389735. URL: <https://www.tandfonline.com/doi/abs/10.1080/01621459.2017.1389735>.
- Dwork, Cynthia (2006a). “Differential privacy”. In: *Proceedings of the International Colloquium on Automata, Languages and Programming (ICALP)*, pp. 1–12. DOI: N/A. URL: N/A.
- (2006b). “Differential privacy”. In: *Proceedings of the 33rd International Colloquium on Automata, Languages and Programming*, pp. 1–12. ISSN: 0302-9743. DOI: N/A. URL: N/A.
- (2008). “Differential privacy: a survey of results”. In: *Theory and Applications of Models of Computation*, pp. 1–19. DOI: 10.1007/978-3-540-79228-4\_1. URL: [https://link.springer.com/chapter/10.1007/978-3-540-79228-4\\_1](https://link.springer.com/chapter/10.1007/978-3-540-79228-4_1).
- (Jan. 2011). “A firm foundation for private data analysis”. In: *Communications of the ACM* 54.1, pp. 86–95. DOI: doi:10.1145/1866739.1866758. URL: <https://dl.acm.org/citation.cfm?doid=1866739.1866758>.
- (n.d.). *The state of the art*. Microsoft Research Slide Presentation. DOI: N/A. URL: <http://web.mit.edu/bigdata-priv/pdf/Cynthia-Dwork.pdf>.
- Dwork, Cynthia, Frank McSherry, Kobbi Nissim, and Adam Smith (2006a). “Calibrating Noise to Sensitivity in Private Data Analysis”. In: *Tcc*. DOI:10.1007/11681878\_14, pp. 265–284. DOI: 10.29012/jpc.v7i3.405. URL: <https://journalprivacyconfidentiality.org/index.php/jpc/article/view/405>.
- Dwork, Cynthia, Frank McSherry, and Kunal Talwar (2007). “The price of privacy and the limits of LP decoding”. In: *Proceedings of the thirty-ninth annual ACM symposium on Theory of computing STOC '07*. ACM Digital Library, pp. 85–94. DOI: 10.1145/1250790.1250804.
- Dwork, Cynthia and Moni Naor (2010). “On the difficulties of disclosure prevention in statistical databases or the case for differential privacy”. In: *Journal of Privacy and Confidentiality* 2.1, pp. 93–107. DOI: 10.29012/jpc.v2i1.585. URL: <https://journalprivacyconfidentiality.org/index.php/jpc/article/view/585>.

- Dwork, Cynthia, Moni Naor, Toniann Pitassi, and Guy N Rothblum (2010). “Differential privacy under continual observation”. In: *Stoc*, pp. 715–724. ISSN: 0737-8017. DOI: 10.1145/1806689.1806787. URL: <https://dl.acm.org/citation.cfm?doid=1806689.1806787>.
- Dwork, Cynthia, Moni Naor, Omer Reingold, Guy N Rothblum, and Salil Vadhan (2009). “On the complexity of differentially private data release: efficient algorithms and hardness results”. In: *Proceedings of the 41st annual ACM symposium on Symposium on theory of computing - STOC '09*, p. 381. ISSN: 0737-8017. DOI: 10.1145/1536414.1536467. URL: <https://dl.acm.org/citation.cfm?doid=1536414.1536467>.
- Dwork, Cynthia and Kobbi Nissim (Aug. 2004a). “Privacy-preserving datamining on vertically partitioned databases”. In: *24th Annual International Cryptology Conference (CRYPTO 2004)*. Vol. 3152. Lecture Notes in Computer Science. Santa Barbara, California, USA: Springer Verlag, pp. 528–544. DOI: N/A. URL: <http://research.microsoft.com/apps/pubs/default.aspx?id=64353>.
- (2004b). “Privacy-preserving datamining on vertically partitioned databases”. In: *Proceedings of Advances in Cryptology (CRYPTO) 3152*, pp. 528–544. ISSN: 0302-9743. DOI: N/A. URL: <http://research.microsoft.com/apps/pubs/default.aspx?id=64353>.
- Dwork, Cynthia and Guy N. Rothblum (2016). “Concentrated differential privacy”. In: *CoRR* abs/1603.01887. DOI: N/A. URL: <http://arxiv.org/abs/1603.01887>.
- Dwork, Cynthia, Guy N. Rothblum, and Salil Vadhan (2010). “Boosting and Differential Privacy”. In: *2010 IEEE 51st Annual Symposium on Foundations of Computer Science*, pp. 51–60. DOI: 10.1109/FOCS.2010.12. URL: <https://ieeexplore.ieee.org/document/5670947>.
- Dwork, Cynthia, Adam Smith, Thomas Steinke, Jonathan Ullman, and Salil Vadhan (2015). “Robust traceability from trace amounts”. In: *Proceedings of the 2015 IEEE 56th Annual Symposium on Foundations of Computer Science (FOCS '15)*. ACM Digital Library, pp. 650–669. DOI: 10.1109/FOCS.2015.46. URL: <https://ieeexplore.ieee.org/document/7354420>.
- Erlingsson, Úlfar, Vasyl Pihur, and Aleksandra Korolova (2014). “RAPPOR: Randomized Aggregatable Privacy-Preserving Ordinal Response”. In: *Proceedings of the 2014 ACM SIGSAC Conference on Computer and Communications Security - CCS '14*, pp. 1054–1067. DOI: 10.1145/2660267.

2660348. arXiv: 1407.6981. URL: <http://dl.acm.org/citation.cfm?id=2660267.2660348>.
- Evfimievski, Alexandre, Johannes Gehrke, and Ramakrishnan Srikant (2003). “Limiting privacy breaches in privacy preserving data mining”. In: *SIGMOD Principles of Database Systems PODS '03*. ACM Digital Library, pp. 211–222. DOI: 10.1145/773153.773174.
- Fang, Chengfang and Ee-Chien Chang (2012). “Adaptive differentially private histogram of low-dimensional data”. In: pp. 160–179. DOI: 10.1007/978-3-642-31680-7{\\_}9. URL: [http://link.springer.com/chapter/10.1007/978-3-642-31680-7%7B%5C\\_%7D9](http://link.springer.com/chapter/10.1007/978-3-642-31680-7%7B%5C_%7D9).
- Fanti, Giulia C., Vasyl Pihur, and Úlfar Erlingsson (2015). “Building a RAP-POR with the unknown: privacy-preserving learning of associations and data dictionaries”. In: *CoRR* abs/1503.01214. DOI: 10.1515/popets-2016-0015. URL: <http://arxiv.org/abs/1503.01214>.
- Fienberg, Stephen E., Alessandro Rinaldo, and Xiaolin Yang (2010). “Differential privacy and the risk-utility tradeoff for multi-dimensional contingency tables”. English. In: *Privacy in Statistical Databases*. Ed. by Josep Domingo-Ferrer and Emmanouil Magkos. Vol. 6344. Lecture Notes in Computer Science. Springer Berlin Heidelberg, pp. 187–199. ISBN: 978-3-642-15837-7. DOI: 10.1007/978-3-642-15838-4\_17. URL: [http://dx.doi.org/10.1007/978-3-642-15838-4\\_17](http://dx.doi.org/10.1007/978-3-642-15838-4_17).
- Gaboardi, Marco, Emilio Jesús Gallego Arias, Justin Hsu, Aaron Roth, and Zhiwei Steven Wu (2014). “Dual query: practical private query release for high dimensional data”. In: *CoRR* abs/1402.1526. DOI: 10.29012/jpc.v7i2.650. URL: <http://arxiv.org/abs/1402.1526>.
- Gaboardi, Marco, Emilio Jes, and Justin Hsu (2014). “Dual Query : Practical Private Query Release for High Dimensional Data”. In: *arXiv* 32, pp. 1–17. DOI: 10.29012/jpc.v7i2.650. arXiv: arXiv:1402.1526v1. URL: <http://proceedings.mlr.press/v32/gaboardi14.pdf>.
- Gehrke, Johannes, Edward Lui, and Rafael Pass (2011). “Towards privacy for social networks: A zero-knowledge based definition of privacy”. In: *Theory of Cryptography Conference*. Springer, pp. 432–449.
- Geng, Quan and Pramod Viswanath (2012). “Optimal Noise-Adding Mechanism in Differential Privacy”. In: *CoRR* abs/1212.1186. URL: <http://arxiv.org/abs/1212.1186>.
- Ghosh, Arpita and Robert Kleinberg (2016). “Inferential Privacy Guarantees for Differentially Private Mechanisms”. In: *CoRR* abs/1603.01508. DOI: N/A. URL: <http://arxiv.org/abs/1603.01508>.

- Ghosh, Arpita, Tim Roughgarden, and Mukund Sundararajan (2012). “Universally Utility-maximizing Privacy Mechanisms”. In: *SIAM Journal on Computing* 41.6, pp. 1673–1693. DOI: 10.1137/09076828X. eprint: <https://doi.org/10.1137/09076828X>. URL: <https://doi.org/10.1137/09076828X>.
- Goldwasser, Shafi and Silvio Micali (1984). “Probabilistic encryption”. In: *Journal of Computer and System Sciences* 28.2, pp. 270–299. ISSN: 0022-0000. DOI: 10.1016/0022-0000(84)90070-9. URL: <http://www.sciencedirect.com/science/article/pii/0022000084900709>.
- Goldwasser, Shafi and Silvio Micali (1982). “Probabilistic encryption & how to play mental poker keeping secret all partial information”. In: *STOC ’82 Proceedings of the fourteenth annual ACM symposium on Theory of computing*, pp. 365–377. DOI: 10.1145/800070.802212. URL: <http://dl.acm.org/citation.cfm?id=802212>.
- Golle, Philippe and Kurt Partridge (2009). “On the anonymity of home/work location pairs”. In: *Lecture Notes in Computer Science (including sub-series Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)* 5538 LNCS, pp. 390–397. ISSN: 0302-9743. DOI: 10.1007/978-3-642-01516-8\_26. URL: [https://link.springer.com/chapter/10.1007%2F978-3-642-01516-8\\_26](https://link.springer.com/chapter/10.1007%2F978-3-642-01516-8_26).
- Greenberg, Bernard G., Abdel-Latif A. Abul-Ela, Walt R. Simmons, and Daniel G. Horvitz (1969). “The unrelated question randomized response model: theoretical framework”. In: *Journal of the American Statistical Association* 64.326, pp. 520–539. DOI: 10.1080/01621459.1969.10500991. eprint: <http://www.tandfonline.com/doi/pdf/10.1080/01621459.1969.10500991>. URL: <http://www.tandfonline.com/doi/abs/10.1080/01621459.1969.10500991>.
- Hardt, Moritz and Aaron Roth (2013). “Beyond worst-case analysis in private singular vector computation”. In: *Stoc*, p. 331. ISSN: 0737-8017. DOI: 10.1145/2488608.2488650. arXiv: 1211.0975. URL: <http://dl.acm.org/citation.cfm?doid=2488608.2488650>.
- Hardt, Mortiz and Kunal Talwar (2010). “On the Geometry of Differential Privacy”. In: *Proceedings of the Forty-second ACM Symposium on Theory of Computing*. STOC ’10. ACM, pp. 705–714. ISBN: 978-1-4503-0050-6. DOI: 10.1145/1806689.1806786.
- Hay, Michael, Ashwin Machanavajjhala, Gerome Miklau, Yan Chen, and Dan Zhang (2016). “Principled evaluation of differentially private algorithms

- using dpbench”. In: *SIGMOD*. DOI: 10.1145/2882903.2882931. URL: <http://arxiv.org/pdf/1512.04817v1.pdf>.
- Hay, Michael, Vibhor Rastogi, Gerome Miklau, and Dan Suciu (2009b). “Boosting the Accuracy of Differentially-Private Histograms Through Consistency”. In: *Proceedings of the VLDB Endowment* 3.1-2, p. 15. ISSN: 2150-8097. DOI: 10.14778/1920841.1920970. arXiv: 0904.0942. URL: <http://arxiv.org/abs/0904.0942>.
- Jorgensen, Z., T. Yu, and G. Cormode (Apr. 2015). “Conservative or liberal? Personalized differential privacy”. In: *2015 IEEE 31st International Conference on Data Engineering*, pp. 1023–1034. DOI: 10.1109/ICDE.2015.7113353. URL: <https://ieeexplore.ieee.org/document/7113353>.
- Kairouz, Peter, Sewoong Oh, and Pramod Viswanath (Jan. 2016). “Extremal Mechanisms for Local Differential Privacy”. In: *J. Mach. Learn. Res.* 17.1, pp. 492–542. ISSN: 1532-4435. DOI: N/A. URL: <http://papers.nips.cc/paper/5392-extremal-mechanisms-for-local-differential-privacy>.
- Kasiviswanathan, Shiva Prasad, Homin K. Lee, Kobbi Nissim, Sofya Raskhodnikova, and Adam Smith (June 2011). “What Can We Learn Privately?”. In: *SIAM J. Comput.* 40.3, pp. 793–826. ISSN: 0097-5397.
- Kasiviswanathan, Shiva Prasad, Mark Rudelson, and Adam Smith (2013). “The power of linear reconstruction attacks”. In: *Proceedings of the twenty-fourth annual ACM-SIAM symposium on Discrete algorithms SODA ’13*. ACM Digital Library, pp. 1415–1433. URL: <https://arxiv.org/abs/1210.2381v1>.
- Kifer, Daniel and Ashwin Machanavajjhala (2011). “No free lunch in data privacy”. In: *Proceedings of the 2011 ACM SIGMOD International Conference on Management of Data*. SIGMOD ’11. Athens, Greece: ACM Digital Library, pp. 193–204. ISBN: 978-1-4503-0661-4. DOI: 10.1145/1989323.1989345. URL: <http://doi.acm.org/10.1145/1989323.1989345>.
- (2012). “A rigorous and customizable framework for privacy”. In: *Proceedings of the 31st symposium on Principles of Database Systems - PODS ’12*, p. 77. DOI: 10.1145/2213556.2213571. URL: <http://dl.acm.org/citation.cfm?doid=2213556.2213571>.
- Kifer, Daniel, Adam Smith, and Abhradeep Thakurta (2012). “Private Convex Empirical Risk Minimization and High-dimensional Regression”. In: *Journal of Machine Learning Research: Workshop and Conference Proceedings* 23. Pages 25.1–25.40, pp. 25.1–25.40.



- Kuo, Yu-Hsuan, Cho-Chun Chiu, Daniel Kifer, Michael Hay, and Ashwin Machanavajjhala (2018). “Differentially Private Hierarchical Group Size Estimation”. In: *CoRR* abs/1804.00370. DOI: 10.14778/3236187.3236202. arXiv: 1804.00370. URL: <http://arxiv.org/abs/1804.00370>.
- Lee, Jaewoo and Chris Clifton (2011). “How much is enough? choosing  $\epsilon$  for differential privacy”. In: *Information Security: 14th International Conference, ISC 2011 and Xi'an, China and October 26-29, 2011. Proceedings*. Ed. by Xuejia Lai, Jianying Zhou, and Hui Li. Berlin, Heidelberg: Springer Berlin Heidelberg, pp. 325–340. ISBN: 978-3-642-24861-0. DOI: 10.1007/978-3-642-24861-0\_22. URL: [http://dx.doi.org/10.1007/978-3-642-24861-0\\_22](http://dx.doi.org/10.1007/978-3-642-24861-0_22).
- Li, Chao, Michael Hay, Gerome Miklau, and Yue Wang (2014). “Xarchive A Data- and Workload-Aware Algorithm for Range Queries Under Differential Privacy”. In: *Pvldb* 7.5, pp. 341–352. ISSN: 2150-8097. arXiv: arXiv:1410.0265v1. URL: <http://www.vldb.org/pvldb/vol7/p341-li.pdf>.
- Li, Chao, Michael Hay, Vibhor Rastogi, Gerome Miklau, and Andrew McGregor (2009). “Optimizing Histogram Queries under Differential Privacy”. In: *ArXiv*, p. 22. arXiv: 0912.4742. URL: <http://arxiv.org/abs/0912.4742>.
- (2010). “Optimizing linear counting queries under differential privacy”. In: *Proceedings of the twenty-ninth ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems of data - PODS10*. Association for Computing Machinery (ACM), pp. 123–134. DOI: 10.1145/1807085.1807104. URL: <http://dx.doi.org/10.1145/1807085.1807104>.
- Li, Chao and Gerome Miklau (Feb. 2012). “An adaptive mechanism for accurate query answering under differential privacy”. In: *Proceedings of the VLDB Endowment* 5.6, pp. 514–525. ISSN: 2150-8097. DOI: 10.14778/2168651.2168653. arXiv: arXiv:1202.3807v1. URL: <http://dl.acm.org/citation.cfm?id=2168653>.
- Li, Ninghui, Wahbeh Qardaji, and Dong Su (2012). “On sampling, anonymization, and differential privacy or, k-anonymization meets differential privacy”. In: *Proceedings of the 7th ACM Symposium on Information, Computer and Communications Security*. ACM, pp. 32–33. DOI: 10.1145/2414456.2414474.
- Lin, Bing-Rong and Daniel Kifer (2013). “Information preservation in statistical privacy and bayesian estimation of unattributed histograms”. In: *Proceedings of the 2013 international conference on Management of data -*

- SIGMOD '13*, p. 677. ISSN: 0730-8078. DOI: 10.1145/2463676.2463721. URL: <http://dl.acm.org/citation.cfm?doid=2463676.2463721>.
- Lin, Bing-Rong, Ye Wang, and Shantanu Rane (2013). “On the Benefits of Sampling in Privacy Preserving Statistical Analysis on Distributed Databases”. In: *CoRR* abs/1304.4613. arXiv: 1304.4613. URL: <http://arxiv.org/abs/1304.4613>.
- Machanavajjhala, Ashwin Kumar V. (2008). “Defining and Enforcing Privacy in Data Sharing”. PhD thesis. Cornell University.
- Machanavajjhala, Ashwin, Johannes Gehrke, and Michaela Götz (2009). “Data Publishing against Realistic Adversaries”. In: *Proceedings of the VLDB Endowment*, pp. 790–801. ISSN: 2150-8097. DOI: 10.14778/1687627.1687717.
- Machanavajjhala, Ashwin and Daniel Kifer (2015). “Designing Statistical Privacy for Your Data”. In: *Communications of the ACM* 58.3, pp. 58–67. ISSN: 0001-0782. DOI: 10.1145/2660766. URL: <https://dl.acm.org/citation.cfm?id=2739250.2660766>.
- Machanavajjhala, Ashwin, Daniel Kifer, Johannes Gehrke, and Muthuramakrishnan Venkitasubramaniam (Mar. 2007). “L-diversity: privacy beyond k-anonymity”. In: *ACM Transactions on Knowledge Discovery from Data* 1.1. ISSN: 1556-4681. DOI: 10.1145/1217299.1217302. URL: <http://doi.acm.org/10.1145/1217299.1217302>.
- McKenna, Ryan, Gerome Miklau, Michael Hay, and Ashwin Machanavajjhala (2018a). “Optimizing error of high-dimensional statistical queries under differential privacy”. In: *arXiv*. DOI: N/A.
- (2018b). “Optimizing error of high-dimensional statistical queries under differential privacy”. In: *Proceedings of the VLDB Endowment* 11.10. DOI: 10.14778/3231751.3231769. URL: <https://dl.acm.org/citation.cfm?id=3242939>.
- McSherry, Frank (June 2009). “Privacy Integrated Queries”. In: *Proceedings of the 2009 ACM SIGMOD International Conference on Management of Data (SIGMOD)*. URL: <https://www.microsoft.com/en-us/research/publication/privacy-integrated-queries/>.
- Mir, D.J., S. Isaacman, R. Caceres, M. Martonosi, and R.N. Wright (Oct. 2013). “Dp-where: differentially private modeling of human mobility”. In: *Conference on Big Data, 2013 IEEE International*, pp. 580–588. DOI: 10.1109/BigData.2013.6691626.
- Muthukrishnan, S. and Alexkandar Nikolov (2012). “Optimal private half-space counting via discrepancy”. In: *Proceedings of the forty-fourth annual*

- ACM Symposium on Theory of Computing STOC '12*. ACM Digital Library, pp. 1285–1292. DOI: 10.1145/2213977.2214090.
- Narayanan, Arvind and Vitaly Shmatikov (2008). “Robust De-anonymization of Large Sparse Datasets”. In: *Proceedings of the 2008 IEEE Symposium on Security and Privacy*. SP '08. DOI:10.1109/SP.2008.33. Washington, DC, USA: IEEE Computer Society, pp. 111–125. ISBN: 978-0-7695-3168-7. URL: <https://doi.org/10.1109/SP.2008.33>.
- Neel, Seth and Aaron Roth (2018). *Mitigating Bias in Adaptive Data Gathering via Differential Privacy*. Tech. rep. arXiv.
- Nikolov, Aleksandar, Kunal Talwar, and Li Zhang (2013). “The Geometry of Differential Privacy: The Sparse and Approximate Cases”. In: *Proceedings of the Forty-fifth Annual ACM Symposium on Theory of Computing*. STOC '13. ACM, pp. 351–360. ISBN: 978-1-4503-2029-0. DOI: 10.1145/2488608.2488652.
- Nissim, Kobbi, Sofya Raskhodnikova, and Adam Smith (2007). “Smooth sensitivity and sampling in private data analysis”. In: *Proceedings of the thirty-ninth annual ACM symposium on Theory of computing - STOC '07*, p. 75. ISSN: 0737-8017. DOI: 10.1145/1250790.1250803. URL: <http://portal.acm.org/citation.cfm?doid=1250790.1250803>.
- Park, Mijung, James Foulds, Kamalika Chaudhuri, and Max Welling (2016). *Variational bayes in private settings (VIPS)*. Tech. rep. arxiv.org. DOI: N/A. URL: <https://arxiv.org/abs/1611.00340>.
- Proserpio, Davide, Sharon Goldberg, and Frank McSherry (Apr. 2014). “Calibrating data to sensitivity in private data analysis: a platform for differentially-private analysis of weighted datasets”. In: *Proceedings of the VLDB Endowment* 7.8, pp. 637–648. ISSN: 2150-8097. DOI: 10.14778/2732296.2732300. URL: <http://dx.doi.org/10.14778/2732296.2732300>.
- Qardaji, Wahbeh, Weining Yang, and Ninghui Li (2013). “Understanding hierarchical methods for differentially private histograms”. In: *39th International Conference on Very Large Data Bases VDBL 2013* 6.14, pp. 1954–1965. URL: <http://www.vldb.org/pvldb/vol6/p1954-qardaji.pdf>.
- Rogers, Ryan M., Aaron Roth, Adam D. Smith, and Om Thakkar (2016). “Max-Information, Differential Privacy, and Post-Selection Hypothesis Testing”. In: *CoRR* abs/1604.03924. DOI: 10.1109/focs.2016.59. URL: <http://arxiv.org/abs/1604.03924>.
- Roth, Aaron and Tim Roughgarden (2010). “Interactive privacy via the median mechanism”. In: *Proceedings of the 42nd ACM symposium on Theory of computing - STOC '10*, pp. 765–774. ISSN: 0737-8017. DOI: 10.

- 1145/1806689.1806794. arXiv: 0911.1813. URL: <http://portal.acm.org/citation.cfm?doid=1806689.1806794>.  
<http://dl.acm.org/citation.cfm?id=1806794>.
- Schmutte, Ian M. (2016). “Differentially Private Release of Data on Wage and Job Mobility”. In: *Statistical Journal of the IAOS* 32.1, pp. 81–92. DOI: 10.3233/SJI-160962. URL: <https://content.iospress.com/articles/statistical-journal-of-the-iaos/sji962>.
- Sheffet, Or (2015). “Differentially private least squares: estimation, confidence and rejecting the null hypothesis”. In: *CoRR* abs/1507.02482. DOI: N/A. URL: <http://webdocs.cs.ualberta.ca/~osheffet/OLS.html>.
- Shlomo, Natalie and Chris J Skinner (2012). “Privacy protection from sampling and perturbation in survey microdata”. In: *Journal of Privacy and Confidentiality* 4.1, p. 7.
- Shokri, Reza and Vitaly Shmatikov (2015). “Privacy-preserving deep learning”. In: *CCS’15*. DOI: 10.1145/2810103.2813687. URL: <https://dl.acm.org/citation.cfm?doid=2810103.2813687>.
- Ullman, Jonathan (2014). “Private Multiplicative Weights Beyond Linear Queries”. In: *arXiv*, pp. 1–17. DOI: 10.1145/2745754.2745755. arXiv: arXiv:1407.1571v1. URL: <https://dl.acm.org/citation.cfm?doid=2745754.2745755>.
- Vadhan, Salil (2017). “The Complexity of Differential Privacy”. In: *Tutorials on the Foundations of Cryptography: Dedicated to Oded Goldreich*. Ed. by Yehuda Lindell. Springer International Publishing, pp. 347–450. ISBN: 978-3-319-57048-8. DOI: 10.1007/978-3-319-57048-8\_7. URL: [https://link.springer.com/chapter/10.1007/978-3-319-57048-8\\_7](https://link.springer.com/chapter/10.1007/978-3-319-57048-8_7).
- Wang, Yu-Xiang, Stephen E. Fienberg, and Alex Smola (2015). “Privacy for Free: Posterior Sampling and Stochastic Gradient Monte Carlo”. In: pp. 1–27. DOI: N/A. arXiv: 1502.07645. URL: <http://proceedings.mlr.press/v37/wangg15.pdf>.
- Wang, Ye, Yuksel Ozan Basciftci, and Prakash Ishwar (2017). “Privacy-Utility Tradeoffs under Constrained Data Release Mechanisms”. In: *CoRR* abs/1710.09295. DOI: N/A. arXiv: 1710.09295. URL: <http://arxiv.org/abs/1710.09295>.
- Wasserman, Larry and Shuheng Zhou (2010). “A Statistical Framework for Differential Privacy”. In: *Journal of the American Statistical Association* 105.489, pp. 375–389. ISSN: 0162-1459. DOI: 10.1198/jasa.2009.tm08651. arXiv: arXiv:0811.2501v2.

- Yang, Xiaolin, Stephen E. Feinberg, and Alessandro Rinaldoi (2012). “Differential Privacy for Protecting Multi-dimensional Contingency Table Data: Extensions and Applications”. In: *Journal of Privacy and Confidentiality* 4.1, pp. 101–125. DOI: 10.29012/jpc.v4i1.613. URL: <https://journalprivacyconfidentiality.org/index.php/jpc/article/view/613>.
- Yu, Fei, Stephen E. Feinberg, Aleksandra B. Slavkovic, and Caroline Uhler (2014). “Scalable privacy-preserving data sharing methodology for genome-wide association studies”. In: *Journal of Biomedical Informatics* 50. Special Issue on Informatics Methods in Medical Privacy, pp. 133–141. ISSN: 1532-0464. DOI: <https://doi.org/10.1016/j.jbi.2014.01.008>. URL: <http://www.sciencedirect.com/science/article/pii/S1532046414000100>.
- Zhou, Shuheng, Katrina Ligett, and Larry Wasserman (2009). “Differential privacy with compression”. In: *IEEE International Symposium on Information Theory - Proceedings*, pp. 2718–2722. DOI: 10.1109/ISIT.2009.5205863. arXiv: 0901.1365.

## Economics of Privacy

- Arrieta-Ibarra, Imanol, Leonard Goff, Diego Jiménez-Hernández, Jaron Lanier, and E. Glen Weyl (2018). “Should We Treat Data as Labor? Moving beyond “Free””. In: *AEA Papers and Proceedings* 108, pp. 38–42. DOI: 10.1257/pandp.20181003. URL: <http://www.aeaweb.org/articles?id=10.1257/pandp.20181003>.
- Athey, Susan, Christian Catalini, and Catherine Tucker (June 2017). *The Digital Privacy Paradox: Small Money, Small Costs, Small Talk*. Working Paper 23488. National Bureau of Economic Research. DOI: 10.3386/w23488. URL: <http://www.nber.org/papers/w23488>.
- Bergstrom, Theodore, Lawrence Blume, and Hal Varian (1986). “On the private provision of public goods”. In: *Journal of Public Economics* 29.1, pp. 25–49. ISSN: 0047-2727. DOI: 10.1016/0047-2727(86)90024-1. URL: <http://www.sciencedirect.com/science/article/pii/0047272786900241> <http://www.sciencedirect.com/science/article/pii/0047272786900241/pdf?md5=937f657636d8e9801673dcfdaecb3ec6%7B%5C%7Dpid=1-s2.0-0047272786900241-main.pdf>.

- Easterbrook, Frank H (1980). “Privacy and the Optimal Extent of Disclosure under the Freedom of Information Act”. In: *The Journal of Legal Studies* 9.4, pp. 775–800. ISSN: 0047-2530. DOI: 10.1086/467664. URL: <http://www.jstor.org/stable/724181>.
- Ghosh, Arpita and Aaron Roth (2011). “Selling privacy at auction”. In: *Proceedings of the 12th ACM conference on Electronic commerce*. EC ’11. San Jose, California, USA: ACM, pp. 199–208. ISBN: 978-1-4503-0261-6. DOI: 10.1145/1993574.1993605. URL: <https://dl.acm.org/citation.cfm?doid=1993574.1993605>.
- Goldfarb, A, S M Greenstein, and C E Tucker (2015). *Economic Analysis of the Digital Economy*. ISBN: 9780226206844. DOI: 10.7208/chicago/9780226206844.001.0001. URL: <https://books.google.co.uk/books?id=6jPBBwAAQBAJ>.
- Goldfarb, Avi and Catherine Tucker (2011). “Privacy Regulation and Online Advertising”. In: *Management Science* 57.1, pp. 57–71. URL: <https://EconPapers.repec.org/RePEc:inm:ormnsc:v:57:y:2011:i:1:p:57-71>.
- Gould, John (1980). “Privacy and the Economics of Information”. In: *The Journal of Legal Studies* 9.4, pp. 827–842. ISSN: 0047-2530. DOI: 10.1086/467668. URL: <https://www.journals.uchicago.edu/doi/abs/10.1086/467668?journalCode=jls>.
- Hui, Kai-Lung, I P L Png, Thank Jean Camp, Robert Hahn, Karim Jamal, Luc Wathieu, and Terry Hendershott (2006). “The Economics of Privacy”. In: *Handbooks in Information Systems, Economics and Information Systems*, pp. 471–493. DOI: N/A. URL: [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=786846](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=786846).
- Jia, Jian, Ginger Zhe Jin, and Liad Wagman (Nov. 2018). *The Short-Run Effects of GDPR on Technology Venture Investment*. Working Paper 25248. National Bureau of Economic Research. DOI: 10.3386/w25248. URL: <http://www.nber.org/papers/w25248>.
- Jia, Jian, Ginger Zhe Lin, and Liad Wagman (2018). *THE SHORT-RUN EFFECTS OF GDPR ON TECHNOLOGY VENTURE INVESTMENT*. Tech. rep. 25248. NBER.
- Kearns, Michael, Mallesh M. Pai, Aaron Roth, and Jonathan Ullman (2014). “Mechanism design in large games: Incentives and privacy”. In: *American Economic Review* 104.5, pp. 431–435. ISSN: 0002-8282. DOI: 10.1257/aer.104.5.431. arXiv: 1207.4084 [cs.GT]. URL: <https://www.aeaweb.org/articles?id=10.1257/aer.104.5.431>.

- Kim, Jin-Hyuk and Liad Wagman (2015). “Screening incentives and privacy protection in financial markets: a theoretical and empirical analysis”. In: *The RAND Journal of Economics* 46.1, pp. 1–22. DOI: 10.1111/1756-2171.12083. eprint: <https://onlinelibrary.wiley.com/doi/pdf/10.1111/1756-2171.12083>. URL: <https://onlinelibrary.wiley.com/doi/abs/10.1111/1756-2171.12083>.
- Kronman, Anthony T. (1980). “The Privacy Exemption to the Freedom of Information Act”. In: *The Journal of Legal Studies* 9.4, pp. 727–774. URL: <http://www.jstor.org/stable/724180>.
- Odlyzko, Andrew (2004). “Privacy, Economics, and Price Discrimination on the Internet”. In: *Economics of Information Security*. Ed. by L. Jean Camp and Stephen Lewis. Boston, MA: Springer US, pp. 187–211. ISBN: 978-1-4020-8090-6. DOI: 10.1007/1-4020-8090-5\_15.
- Pai, Mallesh M. and Aaron Roth (June 2013b). “Privacy and mechanism design”. In: *SIGecom Exchanges* 12.1, pp. 8–29. ISSN: 1551-9031. DOI: 10.1145/2509013.2509016. URL: <http://doi.acm.org/10.1145/2509013.2509016>.
- Roth, Aaron (2012). “Buying Private Data at Auction : The Sensitive Surveyor’s Problem”. In: 11.1, pp. 3–8.
- Xiao, David (2013). “Is Privacy Compatible with Truthfulness?” In: *Proceedings of the 4th Conference on Innovations in Theoretical Computer Science*. ITCS ’13. Berkeley, California, USA: ACM, pp. 67–86. ISBN: 978-1-4503-1859-4. DOI: 10.1145/2422436.2422448. URL: <http://doi.acm.org/10.1145/2422436.2422448>.

## Official Statistics

- Bean, Charles (Mar. 2016). *Independent review of UK economic statistics*. Cabinet Office, HM Treasury, The Rt Hon Matt Hancock, and The Rt Hon George Osborne. DOI: N/A. URL: <https://www.gov.uk/government/publications/independent-review-of-uk-economic-statistics-final-report>.
- Billard, Lynne (2000). “The Census Count: Who Counts? How Do We Count? When Do We Count?” In: *PS: Political Science and Politics* 33.4, pp. 767–774. ISSN: 10490965, 15375935. URL: <http://www.jstor.org/stable/420913>.

- Brunell, Thomas L. (2000a). "Making Sense of the Census: It's Political". In: *PS: Political Science and Politics* 33.4, pp. 801–802. ISSN: 10490965, 15375935. URL: <http://www.jstor.org/stable/420918>.
- (2000b). "Rejoinder to Anderson and Fienberg". In: *PS: Political Science and Politics* 33.4, pp. 793–794. ISSN: 10490965, 15375935. URL: <http://www.jstor.org/stable/420916>.
- (2000c). "Using Statistical Sampling to Estimate the U. S. Population: The Methodological and Political Debate over Census 2000". In: *PS: Political Science and Politics* 33.4, pp. 775–782. ISSN: 10490965, 15375935. URL: <http://www.jstor.org/stable/420914>.
- Childs, Jennifer Hunter (Sept. 2014). *Understanding Trust in Official Statistics in the United States*. Presentation at the 67th annual WAPOR conference in Nice, France in 2014. [https://wapor.org/wp-content/uploads/WAPOR\\_Final\\_Program.pdf](https://wapor.org/wp-content/uploads/WAPOR_Final_Program.pdf).
- Childs, Jennifer Hunter, Stephanie Willson, Shelly Wilkie Martinez, Laura Rasmussen, and Monica Wroblewski (2012). "Development of the Federal Statistical System Public Opinion Survey". In: *JSM Proceedings Survey Research Methods Section* (American Statistical Association). [http://www.aapor.org/AAPOR\\_Main/media/AnnualMeetingProceedings/2012/04\\_Childs-A6.pdf](http://www.aapor.org/AAPOR_Main/media/AnnualMeetingProceedings/2012/04_Childs-A6.pdf). Alexandria, VA.
- Conrey, Frederica R., Randal ZuWallack, and Robynne Locke (2012). *Census Barriers, Attitudes, and Motivators Survey II Final Report*. Tech. rep.
- Mulry, Mary H. and Bruce D. Spencer (1991). "Total Error in PES Estimates of Population". In: *Journal of the American Statistical Association* 86.416, pp. 839–855.
- (1993). "Accuracy of the 1990 Census and Undercount Adjustments". In: *Journal of the American Statistical Association* 88.423, pp. 1080–1091.
- National Academies of Sciences, Engineering, and Medicine (2017b). *Principles and Practices for a Federal Statistical Agency, Sixth Edition*. Washington, DC: The National Academies Press. DOI: 10.17226/24810. URL: <https://www.nap.edu/catalog/24810/principles-and-practices-for-a-federal-statistical-agency-sixth-edition>.
- National Institutes of Health (Aug. 2014). *NIH Genomic Data Sharing Policy*. <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-14-124.html>. Accessed: March 13, 2018. DOI: N/A. URL: <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-14-124.html>.



## Statistical Disclosure Limitation

- Chowdhury, Sumit Dutta, George T Duncan, Ramayya Krishnan, Stephen F Roehrig, and Sumitra Mukherjee (1999). “Disclosure Detection in Multi-variate Categorical Databases: Auditing Confidentiality Protection Through Two New Matrix Operators”. In: *Management Science* 45.12, pp. 1710–1723. ISSN: 0025-1909. DOI: 10.1287/mnsc.45.12.1710. URL: <http://mansci.journal.informs.org/content/45/12/1710.abstract> %5Cbackslash\$nh<http://mansci.journal.informs.org/cgi/doi/10.1287/mnsc.45.12.1710>.
- Dalenius, T. (1981). “A Simple Procedure for Controlled Rounding”. In: *Statistik Tidskrift* 3, pp. 202–208.
- Denning, D.E. (Sept. 1980). “Secure statistical databases with random sample queries”. In: *ACM Transactions on Database Systems* 5.3, pp. 291–315. DOI: 10.1145/320613.320616. URL: <https://dl.acm.org/citation.cfm?id=320616>.
- Duncan Fienberg, S, G (1998). “Obtaining information while preserving privacy: a Markov perturbation method for tabular data”. In: *Proceedings of the Statistical Data Protection Conference*, pp. 351–362. DOI: N/A. URL: [https://www.researchgate.net/profile/George\\_Duncan/publication/228558388\\_Obtaining\\_information\\_while\\_preserving\\_privacy\\_A\\_Markov\\_perturbation\\_method\\_for\\_tabular\\_data/links/02e7e52843fc38389f000000.pdf](https://www.researchgate.net/profile/George_Duncan/publication/228558388_Obtaining_information_while_preserving_privacy_A_Markov_perturbation_method_for_tabular_data/links/02e7e52843fc38389f000000.pdf).
- Duncan, G.T., S.E. Fienberg, R. Krishnan, R. Padman, and S.F. Roehrig (2001). “Disclosure limitation methods and information loss for tabular data”. In: *Confidentiality, Disclosure and Data Access: Theory and Practical Applications for Statistical Agencies*. Ed. by P. Doyle, J. Lane, J. Theeuwes, and L. Zayatz. Elsevier, pp. 135–166. DOI: N/A. URL: [https://s3.amazonaws.com/academia.edu.documents/30788537/duncan-lanechapter.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1549498342&Signature=XhGYpql8%2FuQL9gPDYFPnAyU3nRo%3D&response-content-disposition=inline%3B%20filename%3DDisclosure\\_limitation\\_methods\\_and\\_inform.pdf](https://s3.amazonaws.com/academia.edu.documents/30788537/duncan-lanechapter.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1549498342&Signature=XhGYpql8%2FuQL9gPDYFPnAyU3nRo%3D&response-content-disposition=inline%3B%20filename%3DDisclosure_limitation_methods_and_inform.pdf).
- Duncan, George T., Mark Elliot, and Juan-José Salazar-González (2011). *Statistical confidentiality principles and practice*. Statistics for Social and Behavioral Sciences. Springer New York. ISBN: 9781441978028. DOI: 10.1111/j.1751-5823.2012.00196\_11.x. URL: [https://onlinelibrary.wiley.com/doi/full/10.1111/j.1751-5823.2012.00196\\_11.x](https://onlinelibrary.wiley.com/doi/full/10.1111/j.1751-5823.2012.00196_11.x).

- Duncan, George T. and Stephen E. Fienberg (1999). “Obtaining information while preserving privacy: a markov perturbation method for tabular data”. In: *Statistical Data Protection (SDP '98)*. Eurostat, pp. 351–362. DOI: N/A. URL: [https://www.researchgate.net/profile/George\\_Duncan/publication/228558388\\_Obtaining\\_information\\_while\\_preserving\\_privacy\\_A\\_Markov\\_perturbation\\_method\\_for\\_tabular\\_data/links/02e7e52843fc38389f000000.pdf](https://www.researchgate.net/profile/George_Duncan/publication/228558388_Obtaining_information_while_preserving_privacy_A_Markov_perturbation_method_for_tabular_data/links/02e7e52843fc38389f000000.pdf).
- Duncan, George T, Thomas B Jabine, and A Virginia (1993). *Private Lives and*. ISBN: 0309576113.
- Duncan, George and Diane Lambert (1989). “The Risk of Disclosure for Microdata”. English. In: *Journal of Business & Economic Statistics* 7.2, pp. 207–217. ISSN: 0735-0015. DOI: 10.1080/07350015.1989.10509729. URL: <http://www.jstor.org/stable/1391438>.
- FCSM (2005). “Report on Statistical Disclosure Limitation Methodology”. In: 22.12, p. 137.
- Federal Committee on Statistical Methodology (Dec. 2005). *Report on statistical disclosure limitation methodology*. Tech. rep. Statistical et al. DOI: N/A. URL: N/A.
- Fienberg, Stephen E and Russell J Steele (1998). “Disclosure limitation using perturbation and related methods for categorical data”. In: *Journal of Official Statistics* 14.4, p. 485.
- Gehrke, Johannes, Michael Hay, Edward Lui, and Rafael Pass (2012). “Crowd-blending privacy”. In: *Advances in Cryptology—CRYPTO 2012*, pp. 479–496. DOI: 10.1007/978-3-642-32009-5\_28.
- Gouweleeuw, JM, Peter Kooiman, and P-P De Wolf (1998). “Post randomisation for statistical disclosure control: Theory and implementation”. In: *Journal of official Statistics* 14.4, p. 463.
- Hall, Roband and Stephen E. Fienberg (2010). “Privacy-Preserving Record Linkage”. In: *Privacy in Statistical Databases*. Ed. by Josepand Domingo-Ferrer and Emmanouil Magkos. Springer Berlin Heidelberg, pp. 269–283. ISBN: 978-3-642-15838-4. DOI: 10.1007/978-3-642-15838-4\_24.
- Hu, J., J.P. Reiter, and Q. Wang (2015). “Dirichlet process mixture models for nested categorical data”. In: *ArXiv*. DOI: N/A. URL: <http://arxiv.org/pdf/1412.2282v3.pdf>.
- Hundepool, Anco et al. (2012). “Statistical disclosure control”. In: *Wiley series in survey methodology*. DOI: 10.1002/9781118348239. URL: <https://onlinelibrary.wiley.com/doi/book/10.1002/9781118348239>.

- Little, Roderick J A, Fang Liu, Trivellore E Raghunathan, Andrew Gelman, and Xiao Li Meng (2004). “Statistical disclosure techniques based on multiple imputation”. In: *Applied Bayesian modeling and causal inference from incomplete-data perspectives*, pp. 141–152.
- Miranda, Javier and Lars Vilhuber (2016). “Using partially synthetic microdata to protect sensitive cells in business statistics”. In: *Statistical Journal of the International Association for Official Statistics* 32.1, pp. 69–80. DOI: 10.3233/SJI-160963. URL: <https://content.iospress.com/articles/statistical-journal-of-the-iaos/sji963>.
- Ramachandran, A., L. Singh, E. Porter, and F. Nagle (July 2012). “Exploring re-identification risks in public domains”. In: *2012 Tenth Annual International Conference on Privacy, Security and Trust*, pp. 35–42. DOI: 10.1109/PST.2012.6297917.
- Reiter, Jerome P (2005). “Estimating risks of identification disclosure in microdata”. In: *Journal of the American Statistical Association* 100.472, pp. 1103–1112. ISSN: 0162-1459. DOI: 10.1198/016214505000000619. URL: <http://www.tandfonline.com/doi/abs/10.1198/016214505000000619>.
- Singer, Eleanor (Nov. 2003). *Privacy research in census 2000*. Tech. rep. TR-1. Census 2000 Testing, Experimentation, and Evaluation Program Topic Report. U.S. Census Bureau.
- Thorburn, Daniel (1983). “On Methods for Disclosure Control in Longitudinal Studies”. In: *Statistik Tidskrift* 2, pp. 93–101.
- Trottini, Mario and Stephen E. Fienberg (Oct. 2002). “Modelling User Uncertainty for Disclosure Risk and Data Utility”. In: *International Journal of Uncertainty and Fuzziness in Knowledge-Based Systems* 10.5, pp. 511–527. ISSN: 0218-4885. DOI: 10.1142/S0218488502001612. URL: <http://dx.doi.org/10.1142/S0218488502001612>.
- Vilhuber, Lars, John M. Abowd, and Jerome P. Reiter (2016). “Synthetic establishment microdata around the world”. In: *Statistical Journal of the International Association for Official Statistics* 32.1, pp. 65–68. DOI: 10.3233/SJI-160964. URL: <https://ecommons.cornell.edu/handle/1813/42340>.
- Warner, Stanley L. (1965). “Randomized Response: A Survey Technique for Eliminating Evasive Answer Bias”. In: *Journal of the American Statistical Association* 60.309, pp. 63–69. ISSN: 01621459. URL: <http://www.jstor.org/stable/2283137>.
- Woo, M., J. P. Reiter, A. Oganian, and A. F. Karr (2009). “Global Measures of Data Utility for Microdata Masked for Disclosure Limitation”. In: *Pri-*

*vacy and Confidentiality* 1.1, pp. 111–124. URL: <http://repository.cmu.edu/cgi/viewcontent.cgi?article=1006%7B%5C%7Dcontext=jpc>.

## Value of Privacy

- Burkill, Sarah, Andrew Copas, Mick P. Couper, Soazig Clifton, Philip Prah, Jessica Datta, Frederick Conrad, Kaye Wellings, Anne M. Johnson, and Bob Erens (Feb. 2016). “Using the Web to Collect Data on Sensitive Behaviours: A Study Looking at Mode Effects on the British National Survey of Sexual Attitudes and Lifestyles”. In: *PLOS ONE* 11.2, pp. 1–12. DOI: 10.1371/journal.pone.0147983. URL: <https://doi.org/10.1371/journal.pone.0147983>.
- Center, Pew Research (2014). “Public Perceptions of Privacy and Security”. In: *Pew Research Center*. DOI: N/A. URL: N/A.
- Commission, European (2013). “Eurobarometer 80, Public opinion in the european union”. In: November.
- Couper, Mick P, Eleanor Singer, Frederick G Conrad, and Robert M Groves (2010). “Experimental studies of disclosure risk, disclosure harm, topic sensitivity, and survey participation”. In: *Journal of Official Statistics* 26.2, p. 287.
- Dwork, Cynthia, Vitaly Feldman, Moritz Hardt, Toniann Pitassi, Omer Reingold, and Aaron Roth (2014). “Preserving Statistical Validity in Adaptive Data Analysis”. In: *CoRR* abs/1411.2664. DOI: 10.1145/2746539.2746580. URL: <http://arxiv.org/abs/1411.2664>.
- (2015a). “Generalization in Adaptive Data Analysis and Holdout Reuse”. In: *CoRR* abs/1506.02629. DOI: N/A. URL: <http://arxiv.org/abs/1506.02629>.
- (Aug. 2015b). “The reusable holdout: preserving validity in adaptive data analysis”. In: *Science* 349.6248, pp. 636–638. DOI: 10.1126/science.aaa9375. URL: <http://science.sciencemag.org/content/349/6248/636>.
- (Mar. 2017). “Guilt-free data reuse”. In: *Commun. ACM* 60.4, pp. 86–93. ISSN: 0001-0782. DOI: 10.1145/3051088. URL: <http://doi.acm.org/10.1145/3051088>.
- Dwork, Cynthia and Jing Lei (2009). “Differential privacy and robust statistics”. In: *Proceedings of the 41st annual ACM symposium on Symposium*

- on theory of computing - STOC '09*, p. 371. DOI: 10.1145/1536414.1536466. URL: <https://dl.acm.org/citation.cfm?doid=1536414.1536466>.
- European Commission (2011). “SPECIAL EUROBAROMETER 359 Attitudes on Data Protection and Electronic Identity in the European Union”. In: p. 330. URL: [http://ec.europa.eu/public\\_opinion/index\\_en.htm](http://ec.europa.eu/public_opinion/index_en.htm).
- Harrell, Erika (Sept. 2017). *Victims of Identity Theft, 2014 (Revised November 13, 2017)*. Tech. rep. NCJ 248991. Department of Justice. URL: <https://www.bjs.gov/index.cfm?ty=pbdetail&iid=5408>.
- Kleinberg, Jon M, Christos H Papadimitriou, and Prabhakar Raghavan (2001). “On the Value of Private Information”. In: *Conference on Theoretical Aspects of Rationality and Knowledge (TARK '01)*, pp. 249–257. DOI: 10.1111/j.1467-6451.2008.00337.x.
- Ligett, Katrina and Aaron Roth (2012). “Take It or Leave It: Running a Survey when Privacy Comes at a Cost”. In: *Proceedings of the 8th International Conference on Internet and Network Economics*. WINE’12. Liverpool, UK: Springer-Verlag, pp. 378–391. ISBN: 978-3-642-35310-9. DOI: 10.1007/978-3-642-35311-6\_28. URL: [http://dx.doi.org/10.1007/978-3-642-35311-6\\_28](http://dx.doi.org/10.1007/978-3-642-35311-6_28).
- National Research Council (1979). *Privacy and confidentiality as factors in survey response*. Tech. rep. Washington, DC: National Academy of Sciences.
- TOURANGEAU, ROGER and TOM W. SMITH (1996). “ASKING SENSITIVE QUESTIONS THE IMPACT OF DATA COLLECTION MODE, QUESTION FORMAT, AND QUESTION CONTEXT”. In: *Public Opinion Quarterly* 60.2, p. 275. DOI: 10.1086/297751. eprint: /oup/backfile/content\_public/journal/poq/60/2/10.1086\_297751/3/60-2-275.pdf. URL: <http://dx.doi.org/10.1086/297751>.

## Value of Data

- Bergemann, Dick and Alessandro Bonatti (Aug. 2018). *Markets for Information: An Introduction*. Cowles Foundation Discussion Paper 2142. Cowles Foundation.
- Bruin, Wändi Bruine de, Charles F. Manski, Giorgio Topa, and Wilbert van der Klaauw (2011). “Measuring consumer uncertainty about future

- inflation". In: *Journal of Applied Econometrics* 26.3, pp. 454–478. ISSN: 08837252, 10991255. URL: <http://www.jstor.org/stable/23017556>.
- Bruine de Bruin, Wändi, Gabrielle Wong-Parodi, and M. Granger Morgan (2014). "Public perceptions of local flood risk and the role of climate change". In: *Environment Systems and Decisions* 34.4, pp. 591–599. ISSN: 2194-5411. DOI: 10.1007/s10669-014-9513-6. URL: <http://dx.doi.org/10.1007/s10669-014-9513-6>.
- Brynjolfsson, Erik and Kristina McElheran (2016a). *Data in Action: Data-Driven Decision Making in U.S. Manufacturing*. Working Papers. U.S. Census Bureau, Center for Economic Studies. DOI: 10.2139/ssrn.2722502. URL: <https://EconPapers.repec.org/RePEc:cen:wpaper:16-06>.
- (May 2016b). "The Rapid Adoption of Data-Driven Decision-Making". In: *American Economic Review* 106.5, pp. 133–39. DOI: 10.1257/aer.p20161016. URL: <http://www.aeaweb.org/articles?id=10.1257/aer.p20161016>.
- Clark, A E, P Frijters, and M A Shields (2008). "Relative income, happiness, and utility: An explanation for the Easterlin paradox and other puzzles". In: *Journal of Economic Literature* 46.1, pp. 95–144. ISSN: 0022-0515. DOI: 10.1257/jel.46.1.95. URL: <https://www.aeaweb.org/articles?id=10.1257/jel.46.1.95>.
- Craft, Erik D (1998). "The Value of Weather Information Services for Nineteenth-Century Great Lakes Shipping". In: *American Economic Review* 88.5, pp. 1059–76. URL: <https://EconPapers.repec.org/RePEc:aea:aecrev:v:88:y:1998:i:5:p:1059-76>.
- Frankel, Alexander and Emir Kamenica (2018). *Quantifying information and uncertainty*. Tech. rep. University of Chicago.
- Gentzkow, Matthew and Emir Kamenica (May 2016). "A Rothschild-Stiglitz Approach to Bayesian Persuasion". In: *American Economic Review* 106.5, pp. 597–601. DOI: 10.1257/aer.p20161049.
- Kamenica, Emir and Matthew Gentzkow (Oct. 2011). "Bayesian Persuasion". In: *American Economic Review* 101.6, pp. 2590–2615. DOI: 10.1257/aer.101.6.2590.
- Linde, Frank (2009). "Pricing information goods". In: *Journal of Product & Brand Management* 18.5, pp. 379–384. ISSN: 1061-0421. DOI: 10.1108/10610420910981864. URL: [http://www.mendeley.com/catalog/pricing-information-goods/%5Cbackslash\\$http://amitre](http://www.mendeley.com/catalog/pricing-information-goods/%5Cbackslash$http://amitre).

- synthasite.com/resources/varian%7B%5C\_%7DHal%7B%5C\_%7Dprice-info-goods.pdf.
- Matthew, C R, Wallace E Huffman, Jason F Shogren, and A Tegene (Feb. 2004). “Estimating the public value of conflicting information : the case of genetically modified foods”. In: *Land Economics* 80.1, pp. 125–135. ISSN: 0023-7639. DOI: 10.2307/3147148. URL: <http://www.jstor.org/stable/3147148>.
- Miller, Amalia R. and Catherine Tucker (Oct. 2018). “Privacy Protection, Personalized Medicine, and Genetic Testing”. In: *Management Science* 64.10, pp. 4648–4668. DOI: 10.1287/mnsc.2017.2858.
- Moscarini, Giuseppe and Lones Smith (2002). “The law of large demand for information”. In: *Econometrica* 70.6, pp. 2351–2366. ISSN: 1468-0262. DOI: 10.1111/j.1468-0262.2002.00442.x. URL: <http://dx.doi.org/10.1111/j.1468-0262.2002.00442.x>.
- OECD (2015). *Data-Driven Innovation*, p. 456. DOI: <https://doi.org/https://doi.org/10.1787/9789264229358-en>. URL: <https://www.oecd-ilibrary.org/content/publication/9789264229358-en>.
- Spencer, Bruce D. and Lincoln E. Moses (1990). “Needed Data Expenditure for an Ambiguous Decision Problem”. In: *Journal of the American Statistical Association* 85.412, pp. 1099–1104. DOI: 10.1080/01621459.1990.10474981. eprint: <http://www.tandfonline.com/doi/pdf/10.1080/01621459.1990.10474981>. URL: <http://www.tandfonline.com/doi/abs/10.1080/01621459.1990.10474981>.
- Varian, Hal R. (2003). “Buying, Sharing and Renting Information Goods”. In: *The Journal of Industrial Economics* 48.4, pp. 473–488. ISSN: 0022-1821. DOI: 10.1111/1467-6451.00133. URL: <http://onlinelibrary.wiley.com/doi/10.1111/1467-6451.00133/full> <http://doi.wiley.com/10.1111/1467-6451.00133>.