

Jordan A. Awan
jawan@purdue.edu
[Google Scholar](#)

RESEARCH INTERESTS

Data Privacy

Theoretical and applied problems in differential privacy; Statistical inference on privatized data; Theoretical guarantees for synthetic data.

Statistics

Simulation-based inference; Computational statistics, Functional data analysis, Causal inference.

Applied Work

Analysis of physiological signals; Acoustic Analyses; Pitch Estimation.

EDUCATION

Penn State University, University Park PA

August 2016-May 2020

Doctor of Philosophy, Statistics.

Advised by [Aleksandra Slavković](#) and [Matthew Reimherr](#).

Brandeis University, Waltham MA

Fall 2014-Spring 2016

Master of Arts, Mathematics.

Clarion University of Pennsylvania, Clarion PA

Fall 2011-Spring 2014

Bachelor of Science, Mathematics.

Minors: Computer Science, Honors.

PROFESSIONAL CAREER

Purdue University, Department of Statistics, West Lafayette IN

August 2020-present

Assistant Professor.

MITRE

June 2021-present

Differential privacy consultant for MITRE and Census Disclosure Avoidance System team.

Harvard University, Center for Research on Computation and Society (CRCS), Cambridge MA

Summer 2018

Visiting Graduate Student. Advised by [Salil Vadhan](#).

Penn State University, Department of Statistics, University Park PA

Summer 2017-Spring 2020

Research Assistant.

Teaching Assistant (Spring 2019). STAT 401.

Lafayette College, Department of Mathematics, Easton PA

Summer 2013

REU participant.

HONORS & AWARDS

ASHA Convention Visionary Session, American Speech and Hearing Association

Fall 2024

Presentation "Estimating Transglottal Airflow Using a Vortex Whistle System and the Phonation Quotient" selected as Visionary

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| 2024 College of Science Recognition Award, Purdue University Recognized as the recipient of high profile projects | Spring 2024 |
| Faculty/Staff Recognition Award, Purdue Statistics | Spring 2024 |
| 2nd place Best Poster Award, Statistics and Optimization in Data Science Workshop, Purdue University | Summer 2023 |
| Outstanding Poster Award, Midwest Machine Learning Symposium | Spring 2023 |
| Regina and Norman Carroll Research Award for 2022, Purdue Statistics Recognized for distinctive contributions to statistical science | Spring 2023 |
| Journal of Voice 2022 Best Paper Award Best Paper in the Speech-Language Pathology category | Spring 2023 |
| The Voice Foundation Best Poster Award | Summer 2021 |
| Penn State 2020 Alumni Dissertation Award | Spring 2020 |
| PSU Statistics 50th Anniversary Best Poster Award | Spring 2018 |
| August and Ruth Homeyer Graduate Fellowship, PSU | Fall 2017-Spring 2018 |
| Best Performance on Applied Qualifying Exam, PSU Statistics | Summer 2017 |
| Stephen B. Brumbach Distinguished Graduate Fellowship, PSU | Fall 2016-Spring 2017 |
| GAANN Fellowship | Fall 2014-Summer 2016 |
| MAA Outstanding Student Poster Award | Winter 2014 |
| Clarion University France-Allison Presentation Award | Fall 2013 |
| MAA Outstanding Student Presentation Award | Summer 2013 |
| Board of Governors Academic Tuition Scholarship | Fall 2011-Spring 2014 |

SUBMITTED PAPERS & PREPRINTS

1. Ohnishi, Y., **Awan, J.** “[Locally Private Causal Inference for Randomized Experiments.](#)” arXiv:2301.01616.
2. Wang, Z., Cheng, G., **Awan, J.** “[Differentially Private Bootstrap: New Privacy Analysis and Inference Strategies.](#)” arXiv:2210.06140.
3. **Awan, J.**, Wang, Y. “[Differentially Private Kolmogorov-Smirnov-Type Tests.](#)” arXiv:2208.06236.
4. **Awan, J.**, Barrientos, A. F., Ju, N. “[Statistical Inference for Privatized Data with Unknown Sample Size.](#)” arXiv:2406.06231.
5. **Awan, J.**, Edwards, A., Bartholomew, P., Sillers, A. “[Best Linear Unbiased Estimate from Privatized Histograms.](#)” arXiv:2409.04387.
6. Ohnishi, Y., **Awan, J.** “[Differentially Private Covariate Balancing Causal Inference.](#)” arXiv:2410.14789.
7. Cho, Y., **Awan, J.** “[Formal Privacy Guarantees with Invariant Statistics.](#)” arXiv:2410.17468.
8. Eng, K., **Awan, J.**, Ju, N., Rao, V., Gong, R. “[dapper: Data Augmentation for Private Posterior Estimation in R.](#)”
9. Awan, S., **Awan, J.** “[Comparison of Methods of Eliciting Vital Capacity: Forced vs. Slow Vital Capacity.](#)”

1. **Awan, J.**, Wang, Z. (forthcoming) “Simulation-based Finite-sample Inference for Privatized Data.” *Journal of the American Statistical Association*. Accepted.
2. **Awan, J.**, Ramasethu, A. (forthcoming) “Optimizing Noise for f -Differential Privacy via Anti-Concentration and Stochastic Dominance.” *Journal of Machine Learning Research*. Accepted.
3. **Awan, J.**, Cai, Z. (forthcoming) “One Step to Efficient Synthetic Data.” *Statistica Sinica*. Accepted.
4. Kang, T., Kim, S., Sohn, J., **Awan, J.** (2024) “Differentially Private Topological Data Analysis.” *Journal of Machine Learning Research*. Volume 25, No. 189, Pages 1-42.
5. **Awan, J.**, Bernardi, O. (2024) “Tutte Polynomials for Regular Oriented Matroids.” *Discrete Mathematics*. Volume 347, Number 1.
6. **Awan, J.**, Vadhan, S. (2023) “Canonical Noise Distributions and Private Hypothesis Tests.” *Annals of Statistics*. Volume 51, Number 2, Pages 547-572.
7. **Awan, J.**, Rao, V. (2023) “Privacy-Aware Rejection Sampling.” *Journal of Machine Learning Research*. Volume 24, No. 74, Pages 1-32.
8. Awan, S., Shaikh, M., **Awan, J.**, Abdalla, I., Lim, K., Misono, S., (2023) “Smartphone Recordings are Comparable to ‘Gold Standard’ Recordings for Acoustic Measurements of Voice.” *Journal of Voice*. Available online.
9. Feinstein, H., Daşdoğan, Ü., **Awan, J.**, Awan, S., Verdolini Abbott, K. (2023) “Comparative Analysis of Two Methods of Perceptual Voice Assessment.” *Journal of Voice*. Available online.
10. **Awan, J.**, Dong, J. (2022) “Log-Concave and Multivariate Canonical Noise Distributions for Differential Privacy.” *Advances in Neural Information Processing Systems 36*, 34229-34240.
11. Ju, N., **Awan, J.**, Gong, R., Rao, V. (2022) “Data Augmentation MCMC for Bayesian Inference from Privatized Data.” *Advances in Neural Information Processing Systems 36*, 12732-12743.
12. **Awan, J.**, Frechette, C., Li, Y., McMahon, E. (2022) “Demicaps in $AG(4, 3)$ and their Relation to Maximal Cap Partitions.” *Graphs and Combinatorics*. Volume 83, No. 193.
13. Li, A., Chen, J., **Awan, J.**, Eddins, D., Awan, S. (2022) “Performance Analysis and Parametric Study of Vortex Whistle.” *Proceedings of the ASME 2022 Fluids Engineering Division Summer Meeting. Volume 1: Fluid Applications and Systems (FASTC); Fluid Measurement and Instrumentation (FMITC); Fluid Mechanics (FMTC)*. Toronto, Ontario, Canada. August 3–5, 2022. V001T01A018. ASME.
14. Li, A., **Awan, J.**, Chen, J., Eddins, D., Awan, S. (2022) “Enhancing the Vortex Whistle for Measures of Respiratory Capacity via CFD and CAA.” *Journal of Biomechanical Engineering*. Volume 144, Issue 11.
15. Awan, S., **Awan, J.** (2022) “Use of a Vortex Whistle for Measures of Respiratory Capacity.” *Journal of Voice*. Volume 36, Issue 5, Pages 630-636. (**Best Paper Award**)
16. **Awan, J.**, Slavković, A. (2021) “Structure and Sensitivity in Differential Privacy: Comparing K -Norm Mechanisms.” *Journal of the American Statistical Association*. Volume 116, Number 534, 935-954.
17. **Awan, J.**, Slavković, A. (2020) “Differentially Private Inference for Binomial Data.” *Journal of Privacy and Confidentiality*. Volume 10, No. 1.
18. **Awan, J.**, Bernardi, O. (2020) “Tutte Polynomials for Directed Graphs.” *Journal of Combinatorial Theory, Series B*. Volume 140, 192-247.
19. Awan, S., **Awan, J.** (2020) “A Two-Stage Cepstral Analysis Procedure for the Classification of Rough Voices.” *Journal of Voice*. Volume 34, Issue 1, 9-19.
20. Reimherr, M., **Awan, J.** (2019) “KNG: The K -Norm Gradient Mechanism.” *Advances in Neural Information Processing Systems 33*. 10208-10219.
21. Reimherr, M., **Awan, J.** (2019) “Elliptical Perturbations for Differential Privacy.” *Advances in Neural Information Processing Systems 33*. 10185-10196.
22. **Awan, J.**, Kenney, A., Reimherr, M., Slavković A. (2019) “Benefits and Pitfalls of the Exponential Mechanism with Applications to Hilbert Spaces and Functional PCA.” *Proceedings of the 36th International Conference on Machine Learning*, 97:374-384.

23. **Awan, J.**, Slavković, A. (2018) “Differentially Private Uniformly Most Powerful Tests for Binomial Data.” *Advances in Neural Information Processing Systems* 32, 4208-4218.
24. Gaskill, C., **Awan, J.**, Watts, C., Awan, S. (2016) “Acoustic and Perceptual Classification of Within-sample Normal, Intermittently Dysphonic, and Consistently Dysphonic Voice Types.” *Journal of Voice*, Volume 31, Issue 2, Pages 218-228.
25. Awan, S., **Awan, J.** (2013) “The Effect of Gender on Measures of Electroglottographic Contact Quotient.” *Journal of Voice*, Volume 27, Issue 4, 433-440.

OTHER PUBLICATIONS

1. **Awan, J.**, Gong, R. (2024). “Statistical Inference and Differential Privacy.” In Drechsler, J., Kifer, D., Reiter, J., & Slavković, A. (Eds.), *Handbook of Sharing Confidential Data: Differential Privacy, Secure Multiparty Computation, and Synthetic Data*. Chapman and Hall/CRC.
2. **Awan, J.** (2024). “Here’s How Machine Learning can Violate your Privacy.” *The Conversation*. May 23, 2024.
3. Habib, S., Pires, B., Benedetto, G., Rodriguez, R., **Awan, J.**, Stanley, J., Totty, E., Germinario, G., & Stevenson, R. (2023). “Automated Synthetic Data Validation: Applying Noise Injection for Disclosure Avoidance.” Joint Statistical Meetings (JSM), Toronto, Canada.
4. **Awan, J.**, Reimherr, M., Slavković, A. (2020). “Formal Privacy for Modern Nonparametric Statistics.” *CHANCE* 33, No. 4. 43-49.
5. Awan, S., **Awan, J.**, Watts, C., S. Gaskill, C. (2018). “Response to Aichinger and Kubin Re: Letter to the Editor “Acoustic and Perceptual Classification of Within-Sample Normal, Intermittently Dysphonic, and Consistently Dysphonic Voice Types”.” *Journal of Voice*. Issue 32, No. 3, 383-384.

GRANTS

NIH R01: Vital Capacity & Airflow Measurement for Voice Evaluation: A Vortex Whistle System, MPI **2023-2028**

One of 4 MPIs, along with Dr. Shaheen Awan, Dr. Jun Chen, and Dr. Amanda Gillespie. \$3,129,418 for 5 years.

Directly responsible for \approx \$450,000.

NSF SES: Simulation-based Inference for Differential Privacy, PI **2022-2025**

Principal investigator, along with Co-PI Dr. Roberto Molinari. \$450,000 for 3 years.

RESEARCH PRESENTATIONS

Joint Statistical Meetings, Portland, OR **August 2024**

Panel: Evaluating Statistical Disclosure Control Techniques based on the Risk and Utility of Privacy-Protected Data

Auburn University, Department of Mathematics and Statistics, Auburn, AL **April 2024**

Simulation-based, Finite-sample Inference for Privatized Data

25th Annual CERIAS Security Symposium, Purdue University, West Lafayette, IN **April 2024**

Valid Statistical Inference on Privatized Data

Joint Statistical Meetings, Toronto Canada **August 2023**

Simulation-based Inference for Privatized Data

Air Force Institute of Technology, Department of Mathematics and Statistics, Wright-Patterson Air Force Base, OH **January 2023**

Bayesian Inference on Privatized Data

Auburn University, Statistics and Data Science Seminar, Online **September 2022**

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| Bayesian Inference from Privatized Data | |
| Statistical Learning and Differential Privacy, Bath U.K. (online) Data Augmentation MCMC for Bayesian Inference from Privatized Data | September 2022 |
| Joint Statistical Meetings, Washington D.C. Posterior Inference on Privatized Data via Data Augmentation MCMC | August 2022 |
| Workshop on the Analysis of Census Noisy Measurement Files and Differential Privacy, Rutgers University Posterior Inference on Privatized Data via Data Augmentation MCMC | April 2022 |
| Computational & Methodological Statistics Meeting, Online Canonical noise distributions and private hypothesis tests | December 2021 |
| Privacy in Machine Learning, Virtual NeurIPS Workshop Canonical noise distributions and private hypothesis tests | December 2021 |
| Privacy in Machine Learning, Virtual NeurIPS Workshop Privacy-aware rejection sampling | December 2021 |
| Privacy Preserving Machine Learning, Virtual ACM CCS Workshop Canonical noise and private hypothesis tests | November 2021 |
| Michigan State University, Department of Statistics, Online Canonical noise and private hypothesis tests | November 2021 |
| Invited Panel: Virtual Symposium on Data Privacy, ASA Nevada Chapter Canonical noise distributions and private hypothesis tests | September 2021 |
| 2021 Joint Statistical Meetings, Online Approximate co-sufficient sampling with applications to goodness of fit tests and synthetic data | August 2021 |
| 2020 Joint Statistical Meetings, Online KNG: The K-norm gradient mechanism | August 2020 |
| University of Wisconsin-Madison, Department of Statistics, Madison WI Differentially private inference for binomial data | February 2020 |
| Lafayette College, Department of Mathematics, Easton PA Differentially private inference for binomial data | February 2020 |
| George Mason University, Department of Statistics, Fairfax VA Differentially private inference for binomial data | February 2020 |
| Bucknell University, Department of Mathematics, Lewisburg PA Differentially private inference for binomial data | Spring 2020 |
| Purdue University, Department of Statistics, West Lafayette IN Differentially private inference for binomial data | Spring 2020 |
| 2019 Joint Statistical Meetings, Denver CO Benefits and pitfalls of the exponential mechanism | Summer 2019 |
| 36th International Conference Machine Learning, Long Beach CA Benefits and pitfalls of the exponential mechanism | Summer 2019 |
| Simons Institute for the Theory of Computing, Berkeley CA Differentially private UMP hypothesis tests for Bernoulli data | April 2019 |
| Computational & Methodological Statistics Meeting in Pisa, Italy | December 2018 |

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| Differentially private UMP hypothesis tests for Bernoulli data | |
| 2018 Joint Statistical Meetings, Vancouver Canada | July 2018 |
| Optimizing finite sample performance under differential privacy | |
| Statistical Society of Canada Annual Meeting, McGill University, Montreal Canada | June 2018 |
| Optimizing finite sample performance under differential privacy | |
| Mathematical Foundations of Data Privacy, Banff International Research Station (BIRS), Banff Canada | May 2018 |
| Structure and sensitivity in DP: comparing K -norm mechanisms | |
| Stochastic Modeling and Computational Statistics Seminar at Penn State, University Park PA | February 2018 |
| Structure and sensitivity in DP: comparing K -norm mechanisms | |
| MIT Combinatorics Seminar, Cambridge MA | April 2016 |
| Tutte polynomials for directed graphs and oriented matroids | |
| Brandeis Graduate Student Seminar, Waltham MA | April 2016 |
| Tutte polynomials for directed graphs and oriented matroids | |
| Brandeis Combinatorics Seminar, Waltham MA | January 2016 |
| Tutte polynomials for directed graphs and oriented matroids | |
| Brandeis Mathematics Graduate Student Seminar, Waltham MA | Fall 2014 |
| Maximal caps and substructures in $AG(4, 3)$ | |
| Pi Mu Epsilon Conference, Youngstown OH | Spring 2014 |
| Maximal caps and substructures in $AG(4, 3)$ | |
| Joint Math Meetings, Baltimore MD | Winter 2014 |
| Maximal caps and substructures in $AG(4, 3)$ | |
| Clarion University Honors Presentations, Clarion PA | Fall 2013 |
| Results on demicaps in $AG(4, 3)$ | |
| Mathfest Conference, Hartford CT | Summer 2013 |
| Maximal caps and substructures in $AG(4, 3)$ | |

POSTERS

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|---|----------------------|
| Thirty-Sixth Conference on Neural Information Processing Systems, New Orleans, LA (online) November 2022 | |
| Log-Concave and Multivariate Canonical Noise Distributions for Differential Privacy | |
| Thirty-Sixth Conference on Neural Information Processing Systems, New Orleans, LA (online) November 2022 | |
| Data Augmentation MCMC for Bayesian Inference from Privatized Data | |
| Privacy in Machine Learning, Virtual NeurIPS Workshop | December 2021 |
| Canonical noise distributions and private hypothesis tests | |
| Privacy in Machine Learning, Virtual NeurIPS Workshop | December 2021 |
| Privacy-aware rejection sampling | |
| Privacy Preserving Machine Learning, Virtual ACM CCS Workshop | November 2021 |
| Canonical noise and private hypothesis tests | |
| Privacy Preserving Machine Learning, Virtual ACM CCS Workshop | November 2021 |
| Privacy-aware rejection sampling | |

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| Thirty-Third Conference on Neural Information Processing Systems, Vancouver Canada Elliptical perturbations for differential privacy | December 2019 |
| Thirty-Third Conference on Neural Information Processing Systems, Vancouver Canada K -Norm gradient mechanism for private empirical risk minimization | December 2019 |
| 36th International Conference on Machine Learning, Long Beach CA Benefits and pitfalls of the exponential mechanism | Summer 2019 |
| Thirty-second Conference on Neural Information Processing Systems, Montreal Canada Differentially private uniformly most powerful tests for binomial data | December 2018 |
| Theory and Practice of Differential Privacy in 25th ACM Conference on Computer and Communications Security, Toronto Canada Differentially private uniformly most powerful tests for binomial data | October 2018 |
| 50th Anniversary Conference at Penn State Department of Statistics, University Park PA Optimizing finite sample performance under differential privacy | May 2018 |
| Rao Prize Conference at Penn State, University Park PA Maximum likelihood estimation with differential privacy | May 2017 |
| Joint Math Meetings, Baltimore MD REU results on maximal caps and substructures in $AG(4, 3)$ | Winter 2014 |

OTHER PRESENTATIONS

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| Lilly Purdue Statistics Seminar, Eli Lilly and Company, Indianapolis IN Statistical Inference with Differential Privacy | Spring 2024 |
| Open DP Community Workshop Lightning talk on Binomial inference under differential privacy | Summer 2020 |
| Penn State Statistics Graduate Student Association Workshop Introduction to differential privacy | Fall 2018 |
| Center for Research on Computation and Society, Harvard University Introduction to differential privacy | Summer 2018 |
| Penn State Statistics Graduate Student Association Workshop Introduction to differential privacy | Fall 2017 |
| Penn State DS 300: Privacy and Security for Data Sciences Introduction to differential privacy | Fall 2017 |
| Brandeis Mathematics Graduate Student Seminar A proof of the 5 color theorem | Fall 2015 |
| Brandeis Combinatorics Seminar Topics in matroid representability | Spring 2015 |
| Brandeis Mathematics Graduate Student Seminar Topics regarding the Tutte polynomial | Spring 2015 |
| Pi Mu Epsilon Conference, Youngstown OH A solution for the 2013 COMAP MCM problem A | Spring 2013 |

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| Clarion University High School Mathematics Competition Mental math algorithms with proofs and examples | Fall 2012 |
| Cumberland Valley Math Modeling Challenge at Shippensburg University A model to predict the economic impacts of different voting systems | Fall 2011 |

TEACHING EXPERIENCE

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| Purdue University Department of Statistics, Instructor CS/STAT 242: Introduction to Data Science, Spring 2024 STAT 598: Differential Privacy, Fall 2022 MA/STAT 519: Probability Theory, Fall 2021, Spring 2023 STAT 692: Research Seminar, Fall 2021, Spring 2022 STAT 417: Statistical Theory, Fall 2020 (online), Fall 2022 | Fall 2020-present |
| Pennsylvania State University Department of Statistics, Instructor Introduction to Probability and Statistics with R for Engineers | Spring 2019 |
| Brandeis University Department of Mathematics, Instructor Integral Calculus | Fall 2015, Spring 2016 |
| Brandeis University Department of Mathematics, Grader Multivariate Calculus, Linear Algebra | Fall 2014, Spring 2015 |
| Brandeis University Department of Mathematics, Tutor Pre-Calculus, Calculus I & II | Fall 2014, Spring 2015 |
| Clarion University Department of Academic Enrichment, Tutor Finite Mathematics, Pre-Calculus, Calculus I & II, Linear Algebra | Fall 2011-Spring 2014 |

SOFTWARE DEVELOPMENT

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| dapper: Data Augmentation for Private Posterior Estimation in R R package implementation of the method in “Data Augmentation MCMC for Bayesian Inference from Privatized Data.” In collaboration with Kevin Eng and Drs. Ruobin Gong, Nianqiao Ju, and Vinayak Rao. Available on CRAN. | Summer 2024 |
| binomialDP: Differentially Private Inference for Binomial Data R package implementation of UMP tests and UMA confidence intervals for Binomial test statistics under differential privacy. In collaboration with Tran Tran and Dr. Aleksandra Slavković. | Summer 2020 |

SERVICE

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| Journal Referee Journal of the American Statistical Association, Neural Information Processing Systems, International Conference on Machine Learning, Journal of Privacy and Confidentiality, Journal of the Royal Statistical Society Series B, Annals of Statistics, Journal of Computational and Graphical Statistics, Statistica Sinica, among others | |
| Session Organizer, Bayesian, Fiducial, & Frequentist Conference (BFF9) Organized a session on statistical inference on privatized data | Spring 2025 |
| PhD Qualifying Exam Committee, Purdue University Statistics Wrote exam questions and helped to administer the exam | Spring 2025 |

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| Faculty Mentory, Science Scholars Program, Purdue University Mentored an undergraduate student from an under-represented minority background | Fall 2024-present |
| Program Committee, AAAI Reviewed articles for the conference | Fall 2024 |
| Program Committee, Fairness, Accountability, and Transparency (FAccT) Reviewed submissions for the workshop | Spring 2023 |
| Colloquium Chair, Purdue University Statistics Organized the Purdue Department of Statistics seminar, invited speakers | Fall 2021-Spring 2022 |
| Diversity and Inclusion Committee, Purdue University Statistics | 2021-present |
| Program Committee, NeurIPS Workshop: Privacy and Machine Learning Reviewed submissions and helped organize the workshop | Fall 2021 |
| Program Committee, CCS Workshop: Privacy Preserving Machine Learning Reviewed submissions and helped organize the workshop | Fall 2021 |
| Graduate Student Admissions, Purdue University Statistics | 2021-present |
| Program Committee Member, Theory and Practice of Differential Privacy Summer 2024 Reviewed submissions and helped organize the workshop | Spring 2021 and Summer 2024 |
| Distinguished Theme Seminar Series, Purdue University Member of the organizing committee (Spring 2021-Fall 2021) Seminar Moderator (Fall 2020, Fall 2021) | Fall 2020-Fall 2023 |
| Hiring Committee, Purdue University Assistant Professor Search; Escort for interviewees (Fall 2020-Spring 2021) Assistant and Associate Professor Search (Fall 2021-Spring 2022) Dream Hire Search (Fall 2023) Assistant Professor Search (Fall 2024-Spring 2025) | Fall 2020 - present |

POSTDOCTORAL ADVISOR

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| Cesare Miglioli, Postdoctoral Researcher | Fall 2024-present |
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THESIS ADVISOR

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| Yu Wei Chen, Ph.D. Student | Spring 2024-present |
| Young Hyun Cho, Ph.D. Student Co-advised by Will Wei Sun | Spring 2023-present |
| Yuki Ohnishi, Ph.D. Student Co-advised by Arman Sabbaghi | Summer 2022-Spring 2023 |
| Zhanyu Wang, Ph.D. Student Co-advised by Guang Cheng (UCLA) | Fall 2021-Fall 2023 |

OTHER SUPERVISED STUDENTS

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|---|--------------------------|
| Arin Chang, Ph.D. Student Indirect inference and parametric bootstrap for privatized data | Fall 2024-present |
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| Leo Navarro, Undergraduate Student Optimize Bayesian inference on privatized data | Summer 2024-present |
| Kefan Gu, Undergraduate Student Optimize Bayesian inference on privatized data | Summer 2024-Fall 2024 |
| Pranav Bhakti, Undergraduate Student Simulations for Bayesian inference on privatized data | Spring 2024-present |
| Xinlong Du, M.S. Student R Package development for simulation-based inference | Spring 2024-present |
| Samuel Forfang, Undergraduate Student R Package development for simulation-based inference | Spring 2024-present |
| Aidan Davis, Undergraduate Student R Package development for simulation-based inference | Spring 2024 |
| Andrew Liu, M.S. Student Optimize the subsample and aggregate method for confidence intervals | Fall 2023-present |
| Aishwarya Ramasethu, M.S. Student Research discrete canonical noise distributions and implement binomialDP in OpenDP | Fall 2022-Spring 2023 |
| Yu-Ju Ku, M.S. Student Implement binomialDP in OpenDP | Summer 2022-Spring 2023 |
| Burla Ondes, Ph.D. Student in I.E. Investigated the EM algorithm to analyze privatized data | Summer 2022 |
| Taegyu Kang, PhD Student Differentially private topological data analysis (group project) | Spring 2022-Summer 2024 |
| Sehwan Kim, PhD Student Differentially private topological data analysis (group project) Formalizing semi-privacy (group project) | Spring 2022-Fall 2023 |
| Jinwon Sohn, PhD Student Differentially private topological data analysis (group project) | Spring 2022-Summer 2024 |
| Yue Wang, Undergraduate Student Simulation study to compare differentially private hypothesis tests | Fall 2021-Summer 2022 |
| Vishnu Suresh, M.S. Student Exploring research topics in differential privacy | Spring 2021-Summer 2021 |
| Jacob Moore, Undergraduate Student Developing an R package for approximate conditional sampling | Spring 2021-Summer 2021 |

PHD COMMITTEE

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| Hyunwoo Chung, Ph.D. Student in Statistics Advised by Fei Xue | Spring 2024-present |
| Qian Zhang, Ph.D. Student in Statistics Advised by Faming Liang | Fall 2022-present |

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| Yi Chu, Ph.D. Student in Statistics Advised by Raghu Pasupathy | Summer 2022-present |
| Rajdeep Haldar, Ph.D. Student in Statistics Advised by Qifan Song | Spring 2022-present |
| Jiajun Liang, Ph.D. Student in Statistics Advised by Qifan Song | Spring 2022-Fall 2023 |
| Xinyi Pei, Ph.D. Student in Statistics Advised by Vinayak Rao | Spring 2021-present |

MS COMMITTEE

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| Andrew Liu, M.S. (chair) | Fall 2023-present |
| Ian Hunter, M.S. | Spring 2023-present |
| Nicholas Rosenorn, M.S. (CS & Statistics) | Spring 2023-present |
| Madison Dunn, M.S. (chair) | Fall 2022-present |
| Aishwarya Ramasethu, M.S. Chair of the MS advisory committee. Reading course in differential privacy | Fall 2022-present |
| Burla Ondes, Ph.D. Student in Industrial Engineering, M.S. in Statistics | Fall 2022-present |
| Yu-Ju Ku, M.S. (chair; CS & Statistics) | Summer 2022-Spring 2023 |
| Quisi Zhang, M.S. | Spring 2022-present |
| Qi Zhong, M.S. | Spring 2022-Fall 2022 |
| Pratiksha Agrawal, M.S. | Spring 2022-present |
| Yi-Min Yang, M.S. | Fall 2021-Spring 2023 |
| Vidhi Jain, M.S. | Fall 2021-Fall 2022 |
| Yu-Wen Wang, M.S. | Fall 2021-Spring 2023 |
| Yi-Ting Hung, M.S. | Fall 2021-present |
| John Lambrecht, M.S. (chair) Chair of the MS advisory committee. Reading course in differential privacy | Spring 2021-Spring 2022 |
| Vishnu Suresh, M.S. | Spring 2021-December 2022 |

PROFESSIONAL ORGANIZATIONS

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| Center for Education and Research in Information Assurance and Security (CERIAS), Purdue University Affiliate faculty member | Spring 2024-present |
| Privacy and Confidentiality Interest Group, American Statistical Association Member | Fall 2023-present |
| Regenstrief Center for Healthcare Engineering, Purdue University Associate member | Summer 2022-present |
| American Statistical Association | Summer 2017-present |
| Institute of Mathematical Statistics | Summer 2017-present |