

# PROFESSOR DINO SEJDINOVIC

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## ACADEMIC POSITIONS

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<b>School of Mathematical Sciences, Adelaide University</b> Professor	2022–
<b>Nanyang Technological University, Singapore</b> Visiting Professor	2025–
<b>The Institute of Statistical Mathematics, Tokyo</b> Visiting Professor	2024–
<b>Department of Statistics, University of Oxford</b> Associate Professor	2016–2022
Lecturer	2014–2015
<b>Mansfield College, Oxford</b> Fellow and Tutor in Statistics	2016–2022
<b>The Alan Turing Institute, London</b> Turing Faculty Fellow	2016–2021
<b>University College, Oxford</b> Senior College Lecturer	2014–2015
<b>Gatsby Computational Neuroscience Unit, University College London</b> Postdoctoral Fellow	2011–2014
<b>Institute for Statistical Science, University of Bristol</b> Brunel Postdoctoral Fellow	2009–2011

## OTHER EMPLOYMENT

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<b>Goldman, Sachs &amp; Co, London</b> Vice President, Operations Strategies	2013–2014
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## EDUCATION

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<b>University of Bristol</b> PhD in Electrical and Electronic Engineering	2006–2009
<b>University of Sarajevo</b> Diplom in Mathematics and Theoretical Computer Science	2003–2006

## PROFESSIONAL SERVICE

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Program Chair, Australian Data Science Network Conference (ADSN)	2023
Area Chair, International Conference on Machine Learning (ICML)	2017, 2018, 2020
Area Chair, Artificial Intelligence and Statistics (AISTATS)	2016, 2017, 2019
Area Chair, Neural Information Processing Systems (NeurIPS)	2015
Senior Associate Editor, <i>ACM Transactions on Probabilistic Machine Learning</i>	2023–
Editorial Board Member, <i>Journal of Machine Learning Research</i>	2020–
ELLIS Society Scholar	2019–

Selected peer-review activities:

- *Journal of Machine Learning Research; Journal of the Royal Statistical Society - Series B; Annals of Statistics; Biometrika; Journal of the American Statistical Association; Information and Inference; Statistical Science; Statistics and Computing; Geoscientific Model Development; IEEE Transactions on Information Theory; IEEE Transactions on Pattern Analysis and Machine Intelligence; Neural Computation; Journal of Causal Inference; Neural Information Processing Systems (NeurIPS); International Conference on Machine Learning (ICML); NSF: Methodology, Measurement, and Statistics Program.*

## INSTITUTIONAL SERVICE

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### **Adelaide University**

Academic Lead, School of Mathematical Sciences	2026–
Theme Co-Lead, Responsible AI Research Centre (RAIR)	2025–
Academic Leadership Team, Australian Institute for Machine Learning	2023–
Steering Committee, Adelaide Data Science Centre	2023–
IT & Data Science Program Development Working Group	2023–2024
Chair, Statistics and Data Science Curriculum Working Group	2023

### **Department of Statistics, University of Oxford**

Equality, Diversity & Inclusion Committee	2021–2022
IT Committee	2021–2022
Management Team, StatML Centre for Doctoral Training	2019–2022
Teaching Committee	2017–2021
Chair, IT Provision Working Group	2017–2018
MMath Mathematics & Statistics Part C Official Examiner	2015–2018, 2021–2022
MSc in Statistical Science Admissions Committee	2015–2022
Graduate Research Committee	2015–2017

### **Mansfield College, Oxford**

Member of the Governing Body	2016–2022
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## GRANTS AND AWARDS

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- €4.18M; ERC: iMIRACLI - Horizon 2020 European Training Network on Innovative Machine Learning to Constrain Aerosol-Cloud Climate Impacts (co-CI) 2020–2023
- £6.16M; EPSRC: StatML - Centre for Doctoral Training in Modern Statistics and Statistical Machine Learning at Imperial College London and University of Oxford (co-I) 2019–2027
- £43.7k; Hennes & Mauritz AB: Causal Inference and Machine Learning for Clothing Retail Industry Applications (CI) 2018–2022
- £300k; Tencent: Collaboration on Large Scale Machine Learning (co-I) 2017–2020
- Best Paper Award Honorable Mention, AISTATS 2022 ([37])
- Best Paper Award Honorable Mention, ICML 2019 ([62])
- Best Paper Award, ICML 2019 Workshop “Climate Change: How Can AI Help?” ([141])
- Papers with plenary/oral presentations: NeurIPS 2013 ([93], top 1.4% of submissions), NeurIPS 2014 ([89], top 1.2%), AISTATS 2016 ([81], top 6.5%), UAI 2016 ([77], top 9.5%), AISTATS 2017 ([72], top 5.3%), AISTATS 2022 ([37], top 2.6%), ICML 2023 ([20], top 2.4%), NeurIPS 2023 ([28], top 0.62%)
- 2011 IEEE Trans. Multimedia Prize Paper Award Shortlist (Top 5) for [107]
- Toshiba Research PhD Scholarship (2006–2009)
- Golden Badge Award of the University of Sarajevo, 2007
- The Most Successful Student / Valedictorian of the '07 Class at the University of Sarajevo (1/4,517)

### Current Research Group

Boming Xia (Postdoc, Adelaide), 2025–  
Erdun Gao (Postdoc, Adelaide), 2024–  
Gaurangi Anand (Postdoc, Adelaide), 2024–  
Aidan Moller (PhD student, Adelaide), 2025–  
Vinh Nguyen (PhD student, Adelaide), 2024–  
Rahul Rajendra Kumar (MPhil student, Adelaide), 2025–  
Peter Moskvichev (MPhil student, Adelaide), 2024–

### Past Supervision of Doctoral Dissertations

1. Jake Fawkes, *Data quality in causal machine learning with applications to algorithmic fairness*, DPhil, Department of Statistics, University of Oxford, 2025, DOI: 10.5287/ora-d5yrjyryk.
2. Veit Wild, *Generalised Variational Inference in Infinite Dimensions*, DPhil, Department of Statistics, University of Oxford, 2024, DOI: 10.5287/ora-8nap4okkw.
3. Shahine Bouabid, *Transforming Kernel-Based Learners to Incorporate Domain Knowledge from Climate Science*, DPhil, Department of Statistics, University of Oxford, 2024, DOI: 10.5287/ora-2rk2odmd0.
4. Valerie Bradley, *Quantifying and Mitigating Selection Bias in Probability and Nonprobability Samples*, DPhil, Department of Statistics, University of Oxford, 2024, DOI: 10.5287/ora-nyorpx7dq.
5. Siu Lun Chau, *Towards Trustworthy Machine Learning with Kernels*, DPhil, Department of Statistics, University of Oxford, 2023, DOI: 10.5287/ora-pvejz4z5.
6. Robert Hu, *Large Scale Methods for Kernels, Causal Inference and Survival Modelling*, DPhil, Department of Statistics, University of Oxford, 2022, DOI: 10.5287/bodleian:gAzgOV7D4.
7. Jean-Francois Ton, *Causal Reasoning and Meta Learning using Kernel Mean Embeddings*, DPhil, Department of Statistics, University of Oxford, 2022, DOI: 10.5287/ora-jb88pmzpz.
8. Anthony Caterini, *Expanding the Capabilities of Normalizing Flows in Deep Generative Models and Variational Inference*, DPhil, Department of Statistics, University of Oxford, 2021, DOI: 10.5287/ora-rjrgxyjx.
9. David Rindt, *Nonparametric Independence Testing and Regression for Time-to-Event Data*, DPhil, Department of Statistics, University of Oxford, 2021, DOI: 10.5287/ora-gjepojpmd.
10. Zhu Li, *On the Properties of Random Feature Methods*, DPhil, Department of Statistics, University of Oxford, 2021, DOI: 10.5287/ora-g7rga2w20.
11. Qinyi Zhang, *Kernel Based Hypothesis Tests: Large-Scale Approximations and Bayesian Perspectives*, DPhil, Department of Statistics, University of Oxford, 2020, DOI: 10.5287/ora-nzdaoyx8y.
12. Ho Chung Law, *Testing and Learning on Distributional and Set Inputs*, DPhil, Department of Statistics, University of Oxford, 2020, DOI: 10.5287/ora-x5vm7r1zj.
13. Jovana Mitrović, *Representation Learning with Kernel Methods*, DPhil, Department of Statistics, University of Oxford, 2019.

### Past Supervision of MPhil, Master and Honours Research Dissertations

1. Vivienne Niejalke, *Geolocation with Latent Variable Models*, MPhil, School of Computer and Mathematical Sciences, University of Adelaide, 2025
2. Al Malik Dzulkpli, *Time-Varying Squared Neural Families*, Honours Thesis, Bachelor of Computer Science, University of Adelaide, 2025
3. Zhuoya Zhao, *An Investigation of Collider Regression*, Honours Thesis, Bachelor of Mathematical Sciences, University of Adelaide, 2024
4. Litong Qi, *Enhancing trust in obstacle detection for visually impaired people using Shapley values*, Master of Data Science, University of Adelaide, 2024

5. Nikhil Kapoor, *Illuminating the Stars: Predicting Stellar Luminosity with Explainable Machine Learning*, Master of Data Science, University of Adelaide, 2024
6. Sarun Srikhom, *Shapley Values for Explaining Machine Learning Models*, Master of Data Science, University of Adelaide, 2024
7. Pham Thuy Tien Le, *Explaining Predictions of Used Vehicle Prices by SHAP methods*, Master of Data Science, University of Adelaide, 2024
8. Ky Phong Mai, *A Comprehensive Study of Shapley Value Explanations in Image Classification*, Master of Data Science, University of Adelaide, 2024
9. Yu Zhang, *SHAP: Interpretable Deep Learning for Enhanced Robustness and Security*, Master of Data Science, University of Adelaide, 2024
10. Haisen Liang, *Explaining Political Ideology with Shapley Values*, Master of Data Science, University of Adelaide, 2024
11. Fu Chuen Li, *Computational Efficiency of Shapley Value Estimation*, Master of Data Science, University of Adelaide, 2023
12. Nguyen Phuc Thai, *A Review of Methods for Uncertainty Quantification when Estimating Shapley Values*, Master of Data Science, University of Adelaide, 2023
13. Anubhav Dattagupta, *Shapley Values for Explaining Machine Learning Models: Understanding the Impact of Rule Changes in Cricket*, Master of Data Science, University of Adelaide, 2023
14. Ka Man Becky Pang, *SHAP Explanation for Horse Racing Predictive Models*, Master of Data Science, University of Adelaide, 2023
15. Hanyue Zhang, *Shapley Values for Explaining Formula One Racing Predictive Models*, Master of Data Science, University of Adelaide, 2023
16. Tashreque Mohammed Haq, *Assessing Player Contributions in Soccer via the use of Shapley Values*, Master of Data Science, University of Adelaide, 2023
17. Diego Martinez Taboada, *Uncertainty Quantification for the Multi-Armed Bandit and the Off-Policy Evaluation Problems*, MSc in Statistical Science, University of Oxford, 2022
18. Ewan Yeaxlee, *Estimation of Stratum Means via Weight Estimation Methods and Conditional Mean Embeddings*, MSc in Statistical Science, University of Oxford, 2022
19. Qi Chen, *A HSIC-based Test for Causal Association on Verma Graph*, MMath Mathematics & Statistics (Part C / Honours Dissertation), University of Oxford, 2022
20. Oscar Yung, *MMD Two-Sample Testing in Regression Discontinuity Design*, MMath Mathematics & Statistics (Part C / Honours Dissertation), University of Oxford, 2022
21. Aidan Sabety-Mass, *Quantile Modelling with Kernel Methods and Meta Learning*, MSc in Statistical Science, University of Oxford, 2021
22. Ziru Zhou, *Demand and Capacity Modelling in Health and Social Care Services*, MSc in Statistical Science, University of Oxford, 2021
23. Samuel Cohen, *Learning Coupled Deep Generative Models*, MSc in Statistical Science, University of Oxford, 2019
24. Veit Wild, *On the Connections between Reproducing Kernel Hilbert Spaces and Gaussian Processes in Large Scale Approximations*, MSc in Statistical Science, University of Oxford, 2019
25. Enis Nazif, *Musical Source Separation using Neural Networks and Non-Negative Matrix Factorisation*, MSc in Statistical Science, University of Oxford, 2018
26. Yuanheng Tang, *Distribution Regression for Ecological Inference with an Application to Historical Voting Records*, MSc in Statistical Science, University of Oxford, 2018
27. Daniel Thorns, *Distribution Regression for Crop Yield Prediction*, MSc in Statistical Science, University of Oxford, 2018
28. Nicholas Yung, *Expectation Propagation and its Application to Ranking Models*, MMath Mathematics & Statistics (Part C / Honours Dissertation), University of Oxford, 2018
29. Yun Kang, *Determinantal Point Processes and Their Scalable Sampling Algorithms*, MMath Mathematics & Statistics (Part C / Honours Dissertation), University of Oxford, 2018

30. Jean-Francois Ton, *Nonstationary Spectral Features for Spatio-Temporal Modelling*, MSc in Applied Statistics, University of Oxford, 2017
31. Danai Antoniou, *Text Mining and Spatial Modelling for Airbnb Pricing Prediction*, MSc in Applied Statistics, University of Oxford, 2017
32. Thomas Uriot, *Predicting Conflict Intensity Fitting Neural Networks on Real-World Video Data*, MSc in Applied Statistics, University of Oxford, 2017
33. Tim Rudner, *Doubly Stochastic Variational Fourier Features for Deep Gaussian Processes*, MSc in Applied Statistics, University of Oxford, 2017
34. Kezia Burke, *Multilevel Analysis of Population in Ireland*, MSc in Applied Statistics, University of Oxford, 2017
35. Jake Stockwin, *Gaussian Processes for Bayesian Optimisation: Principles and Application to a Two-Agent Dose Finding Problem*, MMath Mathematics & Statistics (Part C / Honours Dissertation), University of Oxford, 2017
36. Nikola Konstantinov, *Kernel Dependence Measures for Unsupervised Learning*, MMath Mathematics & Statistics (Part C / Honours Dissertation), University of Oxford, 2017
37. Gabriel Zucker, *Using Machine Learning to Improve Targeting of Reemployment Programs in the United States*, MSc in Applied Statistics, University of Oxford, 2016
38. Thomas Lewin, *Difficulty and Skill in a Mobile Match-Three Game: A Machine Learning Approach*, MSc in Applied Statistics, University of Oxford, 2016
39. Hiroaki Imai, *Quadrature Rules Based on Determinantal Point Processes*, MSc in Applied Statistics, University of Oxford, 2016
40. Lukas Kobis, *Inference and Learning for Hidden Markov Models: Methodological and Computational Considerations*, MMath Mathematics & Computer Science (Part B Extended Essay), University of Oxford, 2016
41. Qinyi Zhang, *Kernel-Based Association Tests and Applications to Genomic Data*, MSc in Applied Statistics, University of Oxford, 2015
42. Artur Kotlicki, *Fast Kernel Adaptive Metropolis-Hastings Algorithm*, MSc in Applied Statistics, University of Oxford, 2015
43. Rishabh Kabra, *Prediction of Trip Outcomes from Initial Partial Trajectories*, MSc in Applied Statistics, University of Oxford, 2015

## Examination of Research Dissertations

1. Houston Warren, *Bayesian Methods for Scientific Modeling: Advances in Quadrature, Kernel Learning, and Simulation*, PhD, School of Computer Science, University of Sydney (external examiner), 2025
2. Julien Lenhardt, *Identification of cloud regimes relevant for aerosol-cloud interactions*, PhD, Faculty of Physics and Earth Sciences, Leipzig University (external examiner), 2025
3. Yu-Hsiu Tseng, *Advancements in Variational Bayesian Computation: Theory and Applications in Hybrid and Particle-based Methods*, PhD, School of Computer Science, University of Sydney (external examiner), 2024
4. Emiliano Diaz Salas-Porras, *Towards Causal Discovery for Earth System Sciences*, PhD, School of Engineering, University of Valencia (external examiner), 2023
5. David Widmann, *Reliable Uncertainty Quantification in Statistical Learning*, PhD, Department of Information Technology, Uppsala University (external examiner / opponent), 2023
6. Alexander Camuto, *Understanding Gaussian Noise in Neural Networks*, DPhil, Department of Statistics, University of Oxford (internal examiner), 2022
7. Simone Rossi, *Improving Scalability and Inference in Probabilistic Deep Models*, PhD, Sorbonne University / EURECOM (external examiner), 2022
8. Fredrik Hallgren, *Kernel PCA and the Nyström method*, PhD, Department of Statistical Science, University College London (external examiner), 2021
9. Edward Wagstaff, *Exploiting Prior Knowledge in Machine Learning Model Design*, DPhil, Department of Engineering Science, University of Oxford (internal examiner), 2021

10. Alex Lambert, *Learning Function-Valued Functions in Reproducing Kernel Hilbert Spaces with Integral Losses: Application to Infinite Task Learning*, PhD, Institute Polytechnique de Paris / Telecom Paris (external examiner), 2021
11. Dominic Richards, *Multi-Agent Learning*, DPhil, Department of Statistics, University of Oxford (internal examiner), 2021
12. Kelvin Hsu, *Bayesian Perspectives on Conditional Kernel Mean Embeddings: Hyperparameter Learning and Probabilistic Inference*, PhD, School of Computer Science, University of Sydney (external examiner), 2020
13. Eszter Vertes, *Probabilistic Learning and Computation in Brains and Machines*, PhD, Gatsby Computational Neuroscience Unit, University College London (external examiner), 2020
14. Hyunjik Kim, *Interpretable Models in Probabilistic Machine Learning*, DPhil, Department of Statistics, University of Oxford (internal examiner), 2019
15. Toni Karvonen, *Kernel-Based and Bayesian Methods for Numerical Integration*, PhD, Department of Electrical Engineering and Automation, Aalto University (external examiner), 2019
16. Kurt Cutajar, *Broadening the Scope of Gaussian Processes for Large-Scale Learning*, PhD, Sorbonne University / EURECOM (external examiner), 2019
17. Xiaoyu Lu, *Modelling, Inference and Optimization in Probabilistic Machine Learning*, DPhil, Department of Statistics, University of Oxford (internal examiner), 2019
18. Mark McLeod, *Optimizing Bayesian Optimization*, DPhil, Department of Engineering Science, University of Oxford (internal examiner), 2018
19. Tammo Rukat, *Logical Factorisation Machines: Probabilistic Boolean Factor Models for Binary Data*, DPhil, Department of Statistics, University of Oxford (internal examiner), 2018
20. Martin Stražar, *Learning the Kernel by Low-Rank Matrix Approximation*, PhD, Faculty of Computer and Information Science, University of Ljubljana (external examiner), 2018
21. Yves-Laurent Kom Samo, *Advances in Kernel Methods: Towards General-Purpose and Scalable Models*, DPhil, Department of Engineering Science, University of Oxford (internal examiner), 2017
22. Bertrand Nortier, *Second Order Proximal Methods Applied to Elastic Net Penalised Vector Generalised Linear Models*, MSc by Research, Department of Statistics, University of Oxford (internal examiner), 2016

## TEACHING

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### Adelaide University

<i>STATS 3006/4106/7059 Mathematical Statistics</i> (3rd year)	2024–2025
<i>MATHS 2203 Advanced Mathematical Perspectives II</i> (2nd year)	2023–2025
<i>STATS 2107/7107 Statistical Modelling and Inference</i> (2nd year)	2023

### University of Oxford

<i>Computational Statistics</i> (Part B/3rd year+MSc)	2021/22
<i>Statistics and Data Analysis</i> (Prelims/1st year)	2017/18–2021/22
<i>Machine Learning</i> (Centre for Doctoral Training)	2016/17, 2019/20–2021/22
<i>Foundations of Statistical Inference</i> (Part B/3rd year+MSc)	2019/20
<i>Advanced Topics in Statistical Machine Learning</i> (Part C/4th year+MSc)	2017/18–2018/19
<i>Statistical Data Mining and Machine Learning</i> (Part C/4th year+MSc)	2014/15–2016/17
Tutor (Mansfield College), <i>Probability, Statistics</i>	2015/16–2021/22
Tutor (University College), <i>Probability, Statistics, Graph Theory</i>	2014/15–2015/16

### University College London

<i>Advanced Topics in Machine Learning: Theory of Kernel Methods</i> (MSc)	2011/12–2013/14
<i>Adaptive Modelling of Complex Data: Classification</i> (an introductory graduate course)	2013/14

### University of Bristol

<i>Graphical Models and Complex Stochastic Systems</i> (Centre for Doctoral Training)	2010/11
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Tutor, <i>Linear Algebra and Geometry, Probability I, Statistics I</i>	2010/11
Tutor, <i>Analysis I, Further Topics in Analysis</i>	2009/10
Demonstrator, <i>Computing, Software Engineering in C</i>	2007/08–2008/09
<b>University of Sarajevo</b>	
Demonstrator, <i>Mathematical Analysis / Analysis I</i>	2005/06

## SELECTED INVITED TALKS

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Workshop on Functional Inference and Machine Intelligence, Tokyo	03/2026
Bayes on the Beach Conference, Wollongong	02/2026
Machine Learning Summer School, Melbourne	02/2026
CCDS Seminar, Nanyang Technological University, Singapore	07/2025
BayesComp Conference, Singapore (invited session)	06/2025
Data 61, CSIRO, Sydney	05/2025
ML Research Network Seminar, University of Sydney	05/2025
Workshop on Functional Inference and Machine Intelligence, Okinawa	03/2025
The International Conference of Thailand Econometrics Society, Chiang Mai	01/2025
The KAUST Statistics Workshop, King Abdullah University of Science and Technology	11/2024
Gatsby Unit, University College London	07/2024
Dept of Computer Science, RPTU Kaiserslautern-Landau	03/2024
Nanyang Technological University, Singapore	03/2024
Business Analytics Seminar, University of Sydney	02/2024
Data 61, CSIRO, Sydney	02/2024
Institute of Mathematical Statistics Asia-Pacific Rim Meeting, Melbourne (invited session)	01/2024
Australian Institute for Machine Learning, Adelaide	06/2023
Department of Information Technology, Uppsala University	06/2023
NIASRA, University of Wollongong	03/2023
Workshop on Functional Inference and Machine Intelligence, Tokyo	03/2023
Adelaide Data Science Centre, University of Adelaide	03/2023
Mathematical Sciences Colloquium, University of Adelaide	11/2022
CSIRO ML & AI Future Science Platform Conference, Sydney (keynote)	05/2022
KTH Royal Institute of Technology, Stockholm	03/2022
Data Science Seminar, London School of Economics	03/2022
Secondmind, Cambridge	12/2021
ELLIS Workshop on Machine Learning in Earth and Climate Sciences, Oberwolfach	03/2020
Workshop on Functional Inference and Machine Intelligence, Sophia Antipolis	02/2020
Northern Lights Deep Learning Workshop (NLDL), Tromsø (keynote)	01/2020
Statistics Seminar, School of Mathematics, Cardiff University	01/2020
NeurIPS Meetup, Oxford (keynote)	12/2019
Royal Statistical Society Discussion Meeting (seconding the vote of thanks)	10/2019
European Meeting of Statisticians, Palermo (invited session)	07/2019
Gatsby Unit 21st Birthday Symposium, London	07/2019
Machine Learning Meetup, London	06/2019
Google DeepMind, London	06/2019
EURECOM, Sophia Antipolis	04/2019
Workshop on Functional Inference and Machine Intelligence, Tokyo	03/2019
KERMES - Advances in Kernel Methods for Structured Data, UPM Madrid	02/2019
CSML Seminar, University College London	01/2019
Machine Learning Tutorial, Dept of Computing, Imperial College London	11/2018
Advances in Kernel Methods Workshop, Sheffield	09/2018
Intelligent Systems Laboratory Seminar, University of Bristol	06/2018
The Institute of Science and Technology Austria	06/2018
SFB Data Assimilation Colloquium, Universität Potsdam	05/2018
Statistical Scalability Programme, Isaac Newton Institute, University of Cambridge	05/2018

Theory and Algorithms in Data Science Seminar, Alan Turing Institute	10/2017
School of Mathematics and Statistics, University of Sheffield	10/2017
Mathematical, Physical and Life Sciences Division Summer Reception, Oxford	06/2017
Max Planck Institute for Intelligent Systems, Tübingen	05/2017
Regularization Methods for Machine Learning Workshop, Oslo	05/2017
OxWaSP-Amazon Workshop, Amazon Development Centre, Berlin	03/2017
Statistical Learning Workshop, Lancaster	03/2017
Dagstuhl Seminar 16481, Leibniz-Zentrum für Informatik, Schloss Dagstuhl	12/2016
Royal Statistical Society Conference, Manchester (invited session)	09/2016
The Institute of Statistical Mathematics, Tokyo	03/2016
Dept of Statistics, University of Leeds	11/2015
OxWaSP Symposium, Dept of Statistics, University of Warwick	10/2015
Dept of Power, Electronics and Communication Engineering, University of Novi Sad	06/2015
Dagstuhl Seminar 15152, Leibniz-Zentrum für Informatik, Schloss Dagstuhl	04/2015
Dept of Statistics, London School of Economics	02/2015
UCL Workshop on the Theory of Big Data, London	01/2015
Machine Learning Group, Technische Universität Berlin	07/2014
The Shogun Machine Learning Toolbox Workshop, c-base, Berlin	07/2014
Workshop on Kernel Methods for Big Data, Université Lille	03/2014
Dept of Statistical Science, University College London	11/2012
CSML Seminar, University College London	10/2012
Signal Processing and Communications Laboratory, University of Cambridge	02/2012
International Conference of the ERCIM WG on Computing & Statistics (invited session)	12/2011
Dept of Electrical and Electronic Engineering, Imperial College London	07/2011
Hausdorff Center for Mathematics, University of Bonn	02/2011
Gatsby Unit, University College London	02/2011
Dept of Statistics, University of Oxford	12/2010
Institute for Statistical Science, University of Bristol	02/2010
International Mobile Multimedia Communications Conference (invited session)	09/2009
Toshiba Research Europe Telecommunications Research Laboratory, Bristol	08/2009
Centre for Communications Research, University of Bristol	11/2008

## PUBLICATIONS

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Google Scholar profile, ORCID: 0000-0001-5547-9213

## Published / In Press

- [1] S. L. Chau, A. Schrab, A. Gretton, D. Sejdinovic, and K. Muandet, “Credal Two-Sample Tests of Epistemic Uncertainty,” in *International Conference on Artificial Intelligence and Statistics (AISTATS)*, vol. PMLR 258, 2025, pp. 127–135.
- [2] S. Dan, Z. Ling, Y. Chen, J. Tegegne, V. K. Jaeger, A. Karch, S. Mishra, O. Ratmann, and The Machine Learning & Global Health Network, “Addressing survey fatigue bias in longitudinal social contact studies to improve pandemic preparedness,” *Scientific Reports*, vol. 15, no. 1, p. 17935, 2025, ISSN: 2045-2322. DOI: 10.1038/s41598-025-02235-0.
- [3] B. G. Doan, A. Shamsi, X.-Y. Guo, A. Mohammadi, H. Alinejad-Rokny, D. Sejdinovic, D. Teney, D. C. Ranasinghe, and E. Abbasnejad, “Bayesian Low-Rank LeArning (Bella): A Practical Approach to Bayesian Neural Networks,” in *Proceedings of the AAAI Conference on Artificial Intelligence*, vol. 39, 2025, pp. 16 298–16 307. DOI: 10.1609/aaai.v39i15.33790.
- [4] M. Matabuena, J. C. Vidal, O. H. M. Padilla, and D. Sejdinovic, “Kernel Biclustering Algorithm in Hilbert Spaces,” *Advances in Data Analysis and Classification*, 2025. DOI: 10.1007/s11634-024-00619-0.



- [5] P. Moskvichev and D. Sejdinovic, “All Models Are Miscalibrated, But Some Less So: Comparing Calibration with Conditional Mean Operators,” in *Australasian Joint Conference on Artificial Intelligence (AJCAI)*, ser. Lecture Notes in Computer Science, vol. 16370, 2025, pp. 274–287. DOI: 10.1007/978-981-95-4969-6\_21.
- [6] D. Sejdinovic, “An Overview of Causal Inference using Kernel Embeddings,” in *Data Science for Econometrics and Related Topics*, ser. Studies in Systems, Decision and Control, Springer, 2025, to appear.
- [7] D. Sejdinovic, “Instrumental Identification of Interventional Distribution via Moment Recovery in a Parametric Outcome Model,” *Asian Journal of Economics and Banking*, 2025. DOI: 10.1108/AJEB-08-2025-0099.
- [8] R. Tsuchida, J. Liu, C. S. Ong, and D. Sejdinovic, “Squared families are useful conjugate priors,” in *Advances in Neural Information Processing Systems (NeurIPS)*, 2025.
- [9] D. Zhang, R. Tsuchida, and D. Sejdinovic, “Label Distribution Learning using the Squared Neural Family on the Probability Simplex,” in *Uncertainty in Artificial Intelligence (UAI)*, vol. PMLR 286, 2025, pp. 4872–4888.
- [10] S. Bouabid, D. Sejdinovic, and D. Watson-Parris, “FaIRGP: A Bayesian Energy Balance Model for Surface Temperatures Emulation,” *Journal of Advances in Modeling Earth Systems*, vol. 16, no. 6, 2024. DOI: 10.1029/2023MS003926.
- [11] S. Bouabid, D. Watson-Parris, S. Stefanovic, A. Nenes, and D. Sejdinovic, “Aerosol optical depth disaggregation: toward global aerosol vertical profiles,” *Environmental Data Science*, vol. 3, e16, 2024. DOI: 10.1017/eds.2024.15.
- [12] D. Craig, H. Moon, F. Fedele, *et al.*, “Bridging the Reality Gap in Quantum Devices with Physics-Aware Machine Learning,” *Physical Review X*, vol. 14, p. 011001, 1 2024. DOI: 10.1103/PhysRevX.14.011001.
- [13] J. Fawkes, R. Hu, R. J. Evans, and D. Sejdinovic, “Doubly Robust Kernel Statistics for Testing Distributional Treatment Effects,” *Transactions on Machine Learning Research*, 2024, ISSN: 2835–8856.
- [14] R. Hu, D. Sejdinovic, and R. J. Evans, “A Kernel Test for Causal Association via Noise Contrastive Backdoor Adjustment,” *Journal of Machine Learning Research*, vol. 25, no. 160, pp. 1–56, 2024.
- [15] J. Lenhardt, J. Quaas, and D. Sejdinovic, “Marine cloud base height retrieval from MODIS cloud properties using machine learning,” *Atmospheric Measurement Techniques*, vol. 17, no. 18, pp. 5655–5677, 2024. DOI: 10.5194/amt-17-5655-2024.
- [16] R. Oliveira, D. Sejdinovic, D. Howard, and E. Bonilla, “Bayesian Adaptive Calibration and Optimal Design,” in *Advances in Neural Information Processing Systems (NeurIPS)*, 2024. DOI: 10.52202/079017-1800.
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