EXPERIENCE

• École Polytechnique de Paris • Postdoctoral researcher, member of CMAP team	Dec. 2022 – Sep. 2023
• Research Fellow at Istituto Italiano di Tecnologia (IIT)-Genova • Advisors: Alexandre B. Tsybakov and Massimiliano Pontil	Apr. 2019 – Aug. 2019
• Internship at ENSAE, IP, Paris Advisor: Alexandre B. Tsybakov	Apr. 2018 – Dec. 2018
EDUCATION	
 ENSAE, Institut Polytechnique de Paris and IIT-Genova PhD Candidate, Theoretical Statistics Advisors: Alexandre B. Tsybakov and Massimiliano Pontil 	Sep. 2019 – Present
• Paris Dauphine University and École Normale Supérieure Paris-Saclay • Master M2 MASH Learning and Applications; Mention: Très Bien	Sep. 2017 – Dec. 2018
• Sharif University of Technology • First year of Master in Mathematics; Mention: Très Bien	Sep. 2016 – Jul. 2017
• University of Tehran B.Sc. in Mathematics	Sep. 2011 – Jul. 2016
Teaching Experience	
• Online Learning, 12 hours, instructed by Alexandre B. Tsybakov at ENSAE, IP, Par	is. <i>Mar. 2023</i>
• Reinforcement Learning , 21 hours, developed and instructed by myself at Paris Dauphine University.	Feb. 2023
• Number Theory, 32 hours, instructed by Amir Ghadermarzi at University of Tehran	. Aug. 2017
• Topology , 32 hours, instructed by Hadi Zare at University of Tehran.	Sep. 2016
• Linear Algebra, 32 hours, instructed by Hadi Zare at University of Tehran.	Sep. 2016

RESEARCH INTERESTS

- Optimization
- Online Learning
- Non-parametric Statistics
- Stochastic Process

ACADEMIC SERVICES

•	Co-organizer Re-thinking high dimensional statistics, Oberwolfach, Germany	May 2022
•	Instructor of Problem Solving Sessions for the Team of University of Tehran To prepare for 40th Iranian Mathematical Society Competition	May 2016
•	Co-head of the Mathematical Olympiad Team of University of Tehran In 40th Iranian Mathematical Society Competition, Iran University of Science and Technology.	Aug. 2016

- A. Akhavan, D. Gogolashvili, and A. B. Tsybakov (2022). "Estimating the minimizer and the minimum value of a regression function under passive design". In: *arXiv preprint arXiv:2211.16457*
- A. Akhavan, E. Chzhen, M. Pontil, and A. B. Tsybakov (2023). Zero order optimization of highly smooth functions: improved analysis and new algorithm (Upcoming Paper)
- A. Akhavan, E. Chzhen, M. Pontil, and A. B. Tsybakov (2022). "A gradient estimator via L1-randomization for online zero-order optimization with two point feedback". In: *arXiv preprint* arXiv:2205.13910, NeurIPS 2022
- R. Grazzi, A. Akhavan, J. Falk, L. Cella, and M. Pontil (2022). "Group Meritocratic Fairness in Linear Contextual Bandits". In: arXiv preprint arXiv:2206.03150, NeurIPS 2022
- A. Akhavan, M. Pontil, and A. Tsybakov (2021). "Distributed Zero-Order Optimization under Adversarial Noise". In: Advances in Neural Information Processing Systems 34
- A. Akhavan, M. Pontil, and A.B. Tsybakov (2020). "Exploiting higher order smoothness in derivative-free optimization and continuous bandits". In: Advances in Neural Information Processing Systems 33

HONORS AND AWARDS

$\circ~{\bf Top}~{\bf 10\%}~{\bf of}~{\bf Reviewers},$ thirty-fifth Neural Information Processing Systems (NeurIPS)	2022
$\circ~{\bf Top}~{\bf 10\%}~{\bf of}~{\bf Reviewers},$ thirty-ninth International Conference on Machine Learning (ICML)	2022
• Ranked 1st , evaluation of the master's thesis by the committee of Master M2 MASH in Paris Daup University	hine <i>2018</i>
$\circ~{\bf Ranked~3rd},$ overall coursework in Master M2 MASH	2018
• Granted by Fondation Sciences Mathématiques de Paris	2017
$\circ~$ Silver Medal, in 39th Iranian Mathematical Society Competition.	2015

RESEARCH TALKS

οI	Mathematisches Forschungsinstitut Oberwolfach (MFO, Oberwolfach Research Instit	ute for
I	Mathematics), Re-thinking high dimensional statistics, Oberwolfach, Germany.	May 2022

- Centre International de Rencontres Mathématiques (CIRM), Machine Learning and Nonparametric Statistics, Marseille, France.
 Dec. 2021
- PGMO Days, Annual Meeting of the Gaspard Monge Program for Optimization and Operations Research and Their Interactions with Data Sciences, Paris, France.

PROGRAMMING SKILLS

 \circ Languages: Python, R, C++

LANGUAGES

- $\circ~\mathbf{Persian}:$ native
- $\circ~\mathbf{Armenian}:$ native
- $\circ~\mathbf{English}:$ fluent
- French: working proficiency