Arya Akhavan

https://aryaakhavan.github.io

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EDUCATION

- **ENSAE, Institut Polytechnique de Paris and IIT-Genova**
  PhD Candidate, Theoretical Statistics — *Sep. 2019 – Present*
  - **Advisors**: Alexandre B. Tsybakov and Massimiliano Pontil

- **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, Tehran, Iran**
  First year of Master in Mathematics; Mention: Très Bien — *Sep. 2016 – Jul. 2017*

- **University of Tehran, Tehran , Iran**
  B.Sc. in Mathematics — *Sep. 2016 – Jul. 2017*

EXPERIENCE

- **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. 2019*

RESEARCH INTERESTS

- **Optimization**
- **High-dimensional Statistics**
- **Non-parametric Statistics**
- **Stochastic Process**

PUBLICATIONS IN INTERNATIONAL PEER-REVIEWED CONFERENCES

- A. Akhavan, M. Pontil, and A. Tsybakov (2021). "Distributed Zero-Order Optimization under Adversarial Noise". In: *Advances in Neural Information Processing Systems 35*

- 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 34*

REVIEWING

- **Conference**: NeurIPS;

HONORS AND AWARDS

- **Ranked 1st**, evaluation of the master's thesis by the committee of Master M2 MASH in Paris Dauphine University — *2018*

- **Ranked 3rd**, overall coursework in Master M2 MASH — *2018*

- **Granted by Fondation Sciences Mathématiques de Paris** — *2017*

- **Ranked 13th**, in 21st National Scientific Olympiad in Mathematics, held by NOET (National Organization for Educational Testing) — *2016*

- **Silver Medal**, in 39th Iranian Mathematical Society Competition. *2015*

- **Ranked 1st**, University of Tehran IMC 2017 (International Society Competition for University Students) in Team Selection Contest. *2015*

Teaching Experience

- **Number Theory**, instructed by Amir Ghadermarzi at University of Tehran, Tehran, Iran. *Aug. 2017*

- **Topology**, instructed by Hadi Zare at University of Tehran, Tehran, Iran. *Sep. 2016*

- **Linear Algebra**, instructed by Hadi Zare at University of Tehran, Tehran, Iran. *Sep. 2016*

Academic Services

- **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 team of University of Tehran**
  In 40th Iranian Mathematical Society Competition, Iran University of Science and Technology. *Aug. 2016*

Programming Skills

- **Languages**: Python, R, C++

Languages

- **Persian**: native

- **Armenian**: native

- **English**: fluent

- **French**: working proficiency