Mohammad Hoseinpour

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Last Update: February 15, 2024

RESEARCH INTERESTS

- Learning Theory

- Information Theory

- Statistics

EDUCATION

- **Babol Noshirvani University of Technology** — Babol, Mazandaran, Iran
  M.Sc. in Electrical Engineering - Communications, System — Sep. 2023 – present

- **Babol Noshirvani University of Technology** — Babol, Mazandaran, Iran
  B.Sc. in Electrical Engineering - Communications — Sep. 2017 – Sep. 2022
  Final Project : Privacy Preserving Machine Learning; A Differentially Private Logistic Regression

RESEARCH EXPERIENCE

- **Babol Noshirvani University of Technology** — Babol, Mazandaran, Iran
  Host: Prof. Ali Aghagolzadeh — Apr. 2023 – Aug. 2023
  Topic: Accuracy Improvement In Differentially Private Logistic regression

PUBLICATION

- **Privacy-Preserving and Approximately Truthful Local Electricity Markets: A Differentially Private VCG Mechanism** [Link]
  Milad Hoseinpour, **Mohammad Hoseinpour**, Mahdi Haghifam, Mahmoud-Reza Haghifam
  IEEE Transactions on Smart Grid, 2023

- **Accuracy Improvement in Differentially Private Logistic Regression: A Pre-training Approach**[Link]
  Mohammad Hoseinpour, Milad Hoseinpour, Ali Aghagolzadeh
  Conference on Artificial Intelligence and Future Technologies (ICAIFT), 2023

TEACHING

- **Teaching Assistant** at Babol Noshirvani University of Technology — Babol, Mazandaran, Iran
  Course: Statistics and Probability — Feb. 2022 – July. 2022
  Instructor: Prof. Javad Kazemitabar

SELECTED COURSES

- Statistics and Probability

- Stochastic Process

- Estimation Theory

- Pattern Recognition

- Machine Vision

- Digital Image Processing

- Engineering Mathematics

- Signals and Systems

Skills

- **Programming Languages:** Python, R, MATLAB, C

- **Tools:** GIT, LaTeX

Test Scores

- **TOEFL iBT Test Date:** May 1, 2024

Presentations

- **Accuracy Improvement in Differentially Private Logistic Regression: A Pre-training Approach** [Download]
  Conference on Artificial Intelligence and Future Technologies (ICAIFT)   November 2023

- **Differentially Private Electricity Market** [Download]
  Summer Research Internship Interview   June 2023

References

- **Prof. Ali Aghagolzadeh**
  Professor at Babol Noshirvani University of Technology
  Relationship: M.Sc. Supervisor
  Email: aghagol@nit.ac.ir

- **Prof. Javad Kazemitabar**
  Assistant Professor at Babol Noshirvani University of Technology
  Relationship: TA in Statistics and Probability
  Email: j.kazemitabar@nit.ac.ir