Mohammad Hoseinpour

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Last Update: December 16, 2023

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

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

- Engineering Mathematics

- Signals and Systems

- Digital signal Processing

- Digital Image Processing

- Privacy in Statistics and Machine Learning, taught by Adam Smith and Jonathan Ullman (Online Course)

- Algorithms for Private Data Analysis, taught by Gautam Kamath (Online Course)

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 Synthetic Data: An Introduction** [Download]
Summer Research Internship Interview   June 2023

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

References

- **Prof. Ali Aghagolzadeh**
Professor at Babol Noshirvani University of Technology
Relationship: B.Sc. Project 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