

Behdad Mostafaiy

Curriculum Vitae

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Education

2004–2008 BSc in Statistics University of Mohaghegh Ardabili, Ardabil, Iran
2008–2010 MSc in Mathematical Statistics Shahid Beheshti University, Tehran, Iran
2010–2015 PhD in Statistics Shahid Beheshti University, Tehran, Iran.

Current position

2016–present Assistant Professor, Department of Statistics, University of Mohaghegh Ardabili

Grants, Honors & Awards

2008 Ranked First, in National Entrance Exam for MSc in Statistics
2008 Gold Medal, in 13th Iranian Statistical Olympiad.
2010 Ranked First, in PhD Entrance Exam, Shahid Beheshti University
2011 Scholarship for PhD program at Shahid Beheshti University from Iran's Ministry of Science, Research and Technology

Research Interest

- Functional Data Analysis
- High Dimensional Data Analysis
- Statistical Inference

Publications

1. Mostafaiy, B. and Faridrohani, M.R., 2015. Functional varying coefficient model with time-independent covariate and longitudinal response. *Journal of Data Science*, 13(3).
2. Mostafaiy, B., Faridrohani, M.R. and Hosseininassab, S.M.E., 2016. An RKHS framework for sparse functional varying coefficient model. *REVSTAT-Statistical Journal*, 14(3), pp.311-325.
3. Mostafaiy, B. and Faridrohani, M.R., 2017. Least Squares Parameter Estimation for Sparse Functional Varying Coefficient Model. *Journal of Statistical Theory and Applications*, 16(3), pp.337-344.
4. Abravesh, A., Ganji, M. and Mostafaiy, B., 2018. Estimation of reliability $P(X > Y)$ for distributions with power hazard function based on upper record values. *Mathematical Population Studies*, pp.1-20.
5. Abravesh, A., Ganji, M. and Mostafaiy, B., 2018. Classical and Bayesian estimation of stress-strength reliability in type II censored Pareto distributions. *Communications in Statistics - Simulation and Computation*, pp.1-26.
6. Latifi-Navid, H., Latifi-Navid, S., Mostafaiy, B., Jamalkandi, S.A. and Ahmadi, A., 2018. Pneumococcal disease and the effectiveness of the PPV23 vaccine in adults: A two-stage bayesian meta-analysis of observational and RCT reports. *Scientific reports*, 8.
7. Mostafaiy, B., FaridRohani, M. and Chenouri, S., 2018. Optimal estimation in functional linear regression for sparse noise-contaminated data. *Canadian Journal of Statistics*, to appear.
8. Mostafaiy, B., 2019. On estimation in varying coefficient models for sparse and irregularly sampled functional data. *Communications in Statistics - Simulation and Computation*, to appear.
9. Abdi, E., Latifi-Navid, S., Zahri, S., Kholghi-Oskoei, V., Mostafaiy, B., Yazdanbod, A. and Pourfarzi, F., 2020. SNP-SNP interactions of oncogenic long non-coding RNAs HOTAIR and HOTTIP on gastric cancer susceptibility. *Scientific Reports*, 10(1), pp.1-12.

Talks

1. Mostafaiy, B. and Faridrohani, M.R., 2016. Least square method for estimating the slope and the intercept functions in functional varying coefficient model. *The First Seminar on nonparametric Statistics and Its Applications*.
2. Mostafaiy, B. and Faridrohani, M.R., 2018. Estimation of moment functions for sparse and noise contaminated data. *The Second Seminar on nonparametric Statistics and Its Applications*.

Teaching

An Introduction to Stochastic Processes
Design and Analysis of Experiments
Advanced Probability Theory
Linear Algebra for Statistics
Discrete Data Analysis
An Introduction to Statistical Methods
Numerical Methods and Simulation

Computer Skills

R, MATLAB, L^AT_EX