

Davood Poursina

CONTACT INFORMATION

Department of Statistics
Faculty of mathematical Science
University of Kashan

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EDUCATIONAL BACKGROUND

University of Isfahan

Ph.D. in Applied Statistics, 2007-2014

- Dissertation Topic: "Design of experiment for generalized linear models"
- Advisor: H. Talebi

University of Isfahan

M.Sc., Statistics, 2005-2007

- Dissertation Topic: "Design of experiment for generalized linear models"
- Advisor: H. Talebi

Isfahan University of Technology

B.Sc., Statistics, 2001-2005

RESEARCH INTERESTS

Design of Experiments, Bayesian statistics, statistical methods for large datasets, Statistical Modeling

COMPUTER SKILLS

- Statistical Packages: R, S-Plus, BUGS, SPSS, Maple.
 - Applications: L^AT_EX, common Windows database, spreadsheet, and presentation software
 - Algorithms: Markov Chain Monte Carlo simulations of Bayesian posterior distributions; Kiefer algorithm for finding optimal experimental designs
 - Operating Systems: Windows.
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ACADEMIC EXPERIENCE

Department of Statistics, University of Kashan, Kashan, Iran
Assistant Professor

2015 - present

Courses Taught

Undergraduate courses:

- Introduction to probability and statistics
- Introduction to probability and statistics with application in engineering
- Regression I and II
- Design of Experiments I and II
- Using software in statistics

- Continuous multivariate

Graduate courses:

- Advance statistics with application in management
- Linear Models
- Advance statistics and related software

HONORS

- Ranked 2nd among all students in Statistics Department, Isfahan University of Technology, Isfahan, Iran, 2004 in B.Sc.
- Ranked 2nd among all students in Statistics Department, University of Isfahan, Isfahan, Iran, 2007 in M.Sc.

PUBLICATIONS

- [1] Poursina, M., Foudeh, P., Poursina, D., Prediction of One Stage Hot Radial Forging Force Using Response Surface Method, Journal of Mechanical Engineering University of Tabriz, Tabriz, Iran, Summer of 2009.
- [2] Poursina, D., Talebi, H. Modified D-Optimal Design for Logistic Model. Journal of Statistical Computation and Simulation. 2014.
- [3] Talebi, H., Poursina, D. A Modification on Efficient Bayesian Design for logistic model. JSRI. 2014.
- [4] Azari, A., Poursina, M., Poursina, D. Radial forging force prediction through MR, ANN, and ANFIS models. Neural Comput Applic. 2014.
- [5] M. Jafari, M. Abbasi, D. Poursina, A. Gheysarian, B. Bagheri Characterization of microstructure and mechanical properties of dissimilar steel-copper joint made by FSW. Journal of Mechanical Science and Technology. 2016.

PREPARED PAPER

- [1] Parastegari, N., Mostofinejad, D., Poursina, D. Use of Bacteria to Improve Electrical Resistivity and Chloride Penetration of Air-entrained Concrete. Submitted
- [2] Parastegari, N., Mostofinejad, D., Poursina, D. Statistical Modeling of Permeability in Air-entrained concrete Laden with Bacteria. Submitted.
- [3] Hooshangifar, M., Talebi, H., Poursina, D. An Accurate and Efficient D-optimal Design for Logistic Model. Journal of Statistical Theory and Practice. 2018 (revised).

CONFERENCE PRESENTATIONS

- [1] Poursina, M., Salmani Tehrani, M. and Poursina, D., Application of BPANN and Regression for Prediction of Bowing Defect in Roll Forming of Symmetric Channel Section, Proceedings of the 11th Int. Esaform Conf. on Metal Forming, Lyon, France, 23-25 April 2008.
- [2] Poursina, D., Aghaie, A. An Examination of the Effect of Discretization on a Nave Bayes Model's Performance Proceedings of the Int. ICAMS Conf. on Advanced Management Science, Singapore, 17-20 April 2009.
- [3] Poursina, D., Talebi, H. Locally Modified D-Optimal Design for Logistic Models. 11th ISC

September 2012.

[4] Talebi, H., Poursina, D. An Efficient Bayesian Design for logistic model. 11th ISC September 2012.

[5] Sabzevari, M. , Poursina, D. Asymptotic results for the asymmetric n-player gambler's ruin problem with ties allowed 48th Annual Iranian Mathematics Conference. Hamedan, Iran. 2017.

[6] Poursina, D. , Sabzevari, M. Blocking in Experimental Design Using Abelian Group Theory 9th Iranian Group Theory Conference. University of Kashan, Iran 2017.

[7] Sabzevari, M. , Poursina, D. Lower Bounds of the Variation Distance of the Distribution of the Group and Uniform Distribution to the Random Walk on Finite Groups. 9th Iranian Group Theory Conference. University of Kashan, Iran 2017.

[8] Poursina, D. Sabzevari, M. Ghamsari, M. Locally Optimal Design for Dose Finding Based on Battacharyya Matrix for Logistic Model. 14th Iranian Statistic Conference. Shahrood, Iran 2018.

LANGUAGE

Farsi: Mother tongue, English: Fluent