



Mostafa Tamandi

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Vali-e-Asr University,
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Mostafa Tamandi

curriculum vitae

Last update: November 2016

About Me I was born in Birjand, a small town in southeast of Iran, In 1983. I graduated from Shiraz University in 2008, and then joined the Department of Statistics, Vali-e-Asr University of Rafsanjan, as a lecturer. Since 2014, I have started a Ph.D. level in University of Kerman. My current research interests include skewed distributions, mixture models, Bayesian inference, EM type algorithms, Order Statistics and Reliability Analysis.

Education

2014 - Present, Shahid Bahonar University of Kerman

Ph.D. Candidate, Statistics, Supervisor: Dr Ahad Jamalizadeh, Worked on: mixtures of skew-normal distribution

2006 - 2008, Shiraz University

MA in Statistics, Supervisor: Dr Abdolreza Bazargan, Worked on: Multiple comparisons in regression models

2001 - 2005, Ferdowsi University of Mashhad

BS in Statistics

Academic experience

2008 - 2014, Instructor, Vali-e-Asr University of Rafsanjan

Teaching:

- Statistical Methods
- Mathematical Statistics
- Design of Experiments
- Multivariate Analysis
- Reliability
- Order Statistics
- Statistics for Management
- Statistics for engineering
- Statistical Computing With R

2014 - Present, Research Assistant, University of Kerman

Worked on Skew models and its applications, Maximum likelihood inference using EM algorithm and mixture models of skew-normal distributions.

Honors and Membership

- **2002-Present**, Member of The Iranian Statistical Society.
- **2011**, Member of Executive committee in 42nd Annual Iranian Mathematics Conference, Vali-e-Asr University of Rafsanjan.
- **2012**, Outstanding teacher in Department of Statistics.
- **2014**, Outstanding teacher based on the evaluation score of the statistics students.



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Founded research projects

2016, Interior Research

Modeling of Tehran's air pollution using an extended Birnbaum-Sanders distribution.

2016, Interior Research

Maximum spacing estimation using Ranked set sampling.

2011, Interior Research

Partial Least Square (PLS) logistic regression.

Publications

1. Kharazmi, O., Saadatinik, A., **Tamandi, M.**, Hyperbolic-Sine Weibull distribution and its Applications, *International Journal of Mathematics and Computation*, Accepted.
2. **Tamandi, M.**, Safavi, A and Mahdavi, A., A new distribution with increasing-decreasing failure rate function, *International Journal of Mathematics and Statistics*, Accepted.
3. **Tamandi, M.** On Inference about Tilt Parameter in Marshall-Olkin Family of Distributions, *Journal of Statistical Theory and Applications*, Accepted.
4. Mahdizadeh, M. and **Tamandi, M.** (2016) A new approach to parameter estimation in ranked set sampling, *International Journal of Statistics and Economics*, 17 (1), 40-49.
5. **Tamandi, M.** and Nadarajah, S. (2016) On the estimation of parameters of Kumaraswamy-G distributions, *Communications in Statistics-Simulation and Computation*, 45 (10), 3811-3821.
6. Feizpour, M. and et.al., (2010) Effect of Composition and Sintering Temperature on Permanent Linear Change of Alumina-Magnesia Graphite Refractories Using Box-Behnken Experimental Design, *Journal of engineering materials*, 1(4), 355- 368.

Conference's presentations

2016, *The first International Conference on Science and Basic Research*
EM algorithms in skewed distributions, Kharazmi Institute, Shiraz, Iran.

2016, *The first International Conference on Science and Basic Research*
Fitting skewed distributions to Marketing data, Kharazmi Institute, Shiraz, Iran.

2016, *3rd International conference in Applied Research in Management and Accounting*

An application of Heckman models with Non-Normal errors, Shahid Beheshti University, Tehran, Iran.

2014, *Accounting, Economics and Financial Management Conference*
A statistical method for comparing models results of Multi-Criteria ABC inventory classification, Tehran, Iran.



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2014, 45nd Annual Iranian Mathematical Conference

A new version of min-max Copulas, University of Semnan, Semnan, Iran.

2014, 12nd Iranian Statistical Conference

Score test for tilt parameter in Marshall-Olkin family of distributions, Razi University, Kermanshah, Iran.

2013, 9th seminar on probability and stochastic processes

The estimation of reliability of Lindley distribution by maximum spacing method, Sistan & Baluchestan University, Zahedan, Iran.

2011, 42nd Annual Iranian Mathematical Conference

Probability Generating Function of ZTPL distribution and its Application, Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran.

2011, 42nd Annual Iranian Mathematical Conference

Logistic PLS regression, Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran.

2010, 41nd Annual Iranian Mathematical Conference

Exact prediction interval for exponential life time based on random sample size, University of Urmia, Urmia, Iran.

2010, 10th Iranian Statistical Conference

A review on central composite and Box-Behnken designs and its application in material science, University of Tabriz, Tabriz, Iran.

2010, 10th Iranian Statistical Conference

Estimation of quantiles in Extreme values theory, University of Tabriz, Tabriz, Iran.

2009, 9th Iranian Statistical Conference

Survey on simulation methods in multiple comparison of linear regressions, University of Isfahan, Isfahan, Iran.

Interests

Professional

Skew-normal distribution, Mixture models, Bayesian inference, EM type algorithms, Order Statistics and Reliability Analysis.

Personal

Iranian traditional music, Football, Swimming.