

CURRICULUM VITAE

Elham Basiri

Assistant Professor

Kosar University of Bojnord, Bojnord

Personal Data:

Email : elham_basiri2000@yahoo.com
elhambasiri@kub.ac.ir

External Tel: Office: 058-32262861

Internal Tel: Office: 114



Education:

B.Sc: Ferdowsi University of Mashhad, Mathematical Statistics, 2003-2007

M.Sc: Ferdowsi University of Mashhad, Mathematical Statistics, 2008-2010

Ph.D: Ferdowsi University of Mashhad, Statistics (Inference), 2010-2015

Thesis:

Master's thesis:

Basiri, E. (2010). Optimal censoring scheme in Progressive censoring, Ferdowsi University of Mashhad, Supervisor: Professor Jafar Ahmadi, Advisor: Dr. Mostafa Razmkhah.

Doctoral Dissertation:

Basiri, E. (2015). Some Topics in Two-Sample Prediction of Ordered Data, Ferdowsi University of Mashhad, Supervisor: Professor Jafar Ahmadi, Advisor: Dr. Mahdi Doostparast.

Publications in Journals:

1. Basiri, E. and Ahmadi, J. (2013) Nonparametric prediction intervals for progressive type-II censored order statistics based on k-records. *Computational Statistics*. 28(6), 2825-2848.
2. Basiri, E. and Ahmadi, J. (2015) Prediction intervals for generalized order statistics with random sample size. *Journal of Statistical Computation and Simulation*. 85(9), 1725-1741.
3. Ahmadi, J.; Basiri, E. and MirMostafaei, S.M.T.K. (2016) Optimal random sample size based on Bayesian prediction of exponential lifetime and application to real data. *Journal of the Korean Statistical Society*. 45, 221-237.
4. Basiri, E. Ahmadi, J. and Raqab, M. (2016) Comparison among non-parametric prediction intervals of order statistics. *Communications in Statistics - Theory and Methods*. 45(9), 2699-2713.
5. Ahmadi, J. Basiri, E. and Kundu, D. (2017) Confidence and prediction intervals based on interpolated records. *Journal of Nonparametric Statistics*. 29(1), 1-21.

6. Basiri, E. (2017) Optimal number of failures in type II censoring for Rayleigh distribution. *Journal of Applied Research on Industrial Engineering*. 4(1), 67-74.
7. Basiri, E. and Pakzad, A. (2018) Optimal prediction intervals for order statistics with random sample size. *Iranian Journal of Management Studies*. 11(2). 307-322.
8. Asghari, A. and Basiri, E. (2019) Canonical Analysis of the Association Between Attention-Deficit Hyperactivity Disorder with Some Psychological Problems Among Students. *International Journal of Psychology and Educational Studies*. 6 (1), 21-29.
9. Bagheri, S. F., Asgharzadeh, A., Basiri, E. and Fernandez, A. J. (2019) One-sample prediction regions for future record intervals. *Statistics and Probability Letters*. 153, 15–20.
10. Basiri, E. and Salehi, S.M. (2020) Optimal sample size based on cost function in progressively type II censoring (Persian). *Journal of Statistical Sciences*. 14 (1), 41-54.
11. Basiri, E. (2020) Optimization of reliability and cost in repairable-parallel-series systems with U-shape failure (Persian). *Journal of Statistical Sciences*. 14 (2), 351-366.
12. Basiri, E. and Beigi, S. (2020) Optimal scheme in progressive censoring from the Rayleigh distribution with random removals based on two-sample Bayesian prediction and cost function. *Journal of Advanced Mathematical Modeling*. 10 (1), 135-157.
13. Basiri, E. (2020) Optimal sample size and censoring scheme in progressively type II censoring based on Fisher information for Pareto distribution (Persian). *Andishe_ye Amari*. 24 (48), 25-35.
14. Basiri, E. and Beigi, S. (2021) Bayesian two-sample prediction problem for the Rayleigh distribution under progressively Type-II censoring with random removals. *Caspian Journal of Mathematical Sciences*. 10(2), 156-175.
15. Basiri, E. (2020) Optimization in Progressively Type II censoring with random sample size based on cost criterion (Persian). *Mathematical researches*. 8(2), 1-13.
16. Basiri, E., Fernandez, A. J., Asgharzadeh, A. and Bagheri, S. F. (2020) Best prediction regions for future exponential record intervals. *Statistics*. 54(5), 969-988.
17. Basiri, E. and Beigi, S. (2020) Modeling multi-objective scheduling of university courses, taking into account the two-week rotation period: A case study. (Persian). *Journal of Operational Research and Its Applications*. 18(3), 15-30.
18. Basiri, E. (2022) Optimization in progressively Type-II censoring with random sample size based on cost constraint. *Caspian Journal of Mathematical Sciences*. (Accepted)
19. Basiri, E. and Asgharzadeh, A. (2021) Optimal random sample size in progressively Type-II censoring based on cost constraint for the proportional hazards family. (Persian). *Journal of Statistical Computation and Simulation*. 91(15), 3154-3169.

20. Basiri, E. (2021) Determining the optimal design in Type I hybrid censoring from the Burr type XII based on the cost function, *Journal of Engineering and Quality Management*. 11(2), 191-203.
21. Basiri, E. (2022) Presenting a one-objective optimization model to determine the reliability of the components of a coherent system. *Journal of Decisions and Operations Research*. (Revised)
22. Basiri, E. (2022) Design of a series-parallel system based on the problem of optimization of reliability and cost. *Journal of Engineering and Quality Management*. (Submitted)
23. Pakzad, A. and Basiri, E. (2022) A new incapability index for simple linear profile with asymmetric tolerances. *Journal of Quality Engineering*. (Revised)

Papers in Conferences:

1. Basiri, E. and Ahmadi, J. (2010) Optimal censoring scheme in Burr-XII based on Fisher information. *The 10th Iranian Statistical Conference*. (Persian)
2. Basiri, E. and Ahmadi, J. (2011) Nonparametric prediction intervals for future minimal repair times. *The 3th Workshop on Reliability and its Applications*.
3. Basiri, E. and Ahmadi, J. (2012) Distribution-free prediction of progressively type-II censored order statistics based on k-records from two independent sequences. *The 11th Iranian Statistical Conference*.
4. Basiri, E. and Ahmadi, J. (2013) Fractional order statistics and records: their application. *The 44th Annual Iranian Mathematics Conference*.
5. Basiri, E. and Ahmadi, J. (2014) Comparison among non-parametric prediction intervals for records. *The 12th Iranian Statistical Conference*.
6. Basiri, E. (2017) Optimal number of failures for type II censoring. *The 10th International Conference of Iranian Operation Research Society*.
7. Basiri, E. (2017) Optimal prediction intervals for random order statistics. *The 10th International Conference of Iranian Operation Research Society*.
8. Basiri, E. and MirMostafaei, S.M.T.K. (2017) Optimal sample size based on prediction problem under progressively Type-II censoring. *The 3rd Seminar on Reliability Theory and its Applications*.
9. Basiri, E. (2018) Optimal design of life testing based on cost constraint. *The 11th International Conference of Iranian Operation Research Society*.
10. Basiri, E. (2018) Sample-size determination under double Type II censoring for exponential distribution. *The 11th International Conference of Iranian Operation Research Society*.
11. Basiri, E. Beigi, S. and AliMohammadi, T. (2019) Optimization of reliability and cost in parallel-repairable systems with Bathtub-shaped failure rate. *The 15th International Industrial Engineering Conference*.

12. Hosseinzadeh, E., Basiri, E. and Asghari, A. (2019) Application of fuzzy regression in Internet addiction. *The 12th International Conference of Iranian Operation Research Society.*
13. Beigi, S., Basiri, E. and Mahdavi, Z. (2019) University Class Scheduling Problem Using Analytical Approach. *The 12th International Conference of Iranian Operation Research Society.*
14. Basiri, E. and Beigi, S. (2019) Optimization of k-out-of-n systems with regard to reliability and cost. *The 12th International Conference of Iranian Operation Research Society.*
15. Basiri, E. (2020) Bayesian prediction for progressively type-II censored order statistics with uniform removals. *The 6th Seminar on Reliability Theory and its Applications.*
16. Basiri, E., Beigi, S. and Miri, S.M. (2020) Optimizing university course schedules. *The 13th International Conference of Iranian Operation Research Society.*
17. Basiri, E. and Hosseinzadeh, E. (2020) Determining Factors Affecting Faculty Evaluation Using Fuzzy Linear Regression. *The 13th International Conference of Iranian Operation Research Society.*
18. Basiri, E. (2020) Optimal progressive Type II censoring scheme based on Fisher information and cost function from a Pareto distribution. *The 15th Iranian Statistical Conference.*
19. Basiri, E. and Hosseinzadeh, E. (2021) Optimization in parallel-series systems based on reliability and cost. *The 14th International Conference of Iranian Operation Research Society.*
20. Hosseinzadeh, E. and Basiri, E. (2021) Application of a Fuzzy Programming Technique to Solve Intuitionistic Fuzzy Transportation. *The 14th International Conference of Iranian Operation Research Society.*
21. Pakzad, A., Basiri, E. and Mohebi, F. (2021) Investigating the factors affecting students' willingness to continue their education in higher Education. The second national Conference on System Thinking in Practice.
22. Basiri, E. (2022) Optimization in a parallel system with random sample size. *The 8th Seminar on Reliability Theory and its Applications.*
23. Basiri, E. , Basirat, M. and Arafeh, R. (2022) Estimation of reliability in a random series system under exponential distribution. *The 16th Iranian Statistical Conference.*

Research Experience:

Position	Supported by	Title	Date
Colleague	The welfare organization of North Khorasan Province	Socio-economic Factors of Violence against Women in North Khorasan Province	2018
Colleague	Legal Medicine Organization	Epidemiological study of conflict in North Khorasan province	2018

Colleague	North Khorasan Police Department	Evaluation of health and dietary interventions on increasing health and weight of North Khorasan Police Force Command Staff	2019
Executor of Plan	Kosar University of Bojnord	Five Year Trends in Faculty Members' Evaluation Results in Kosar University of Bojnord	2018
Colleague	Kosar University of Bojnord	Student Resignation Data mining In Kosar University of Bojnord	2019
Executor of Plan	Kosar University of Bojnord	Optimum university timetable for courses and exams	2019

Research Interests:

Theory of Estimation	Reliability and Survival Analysis
Ordered and Censored Data	Bayesian Inference

Participation in meetings:

City	Date	Conference Title
Tabriz	2010	The 10th Iranian Statistical Conference
Isfahan	2011	The 2th Workshop on Reliability and its Applications
Tehran	2012	The 11th Iranian Statistical conference
Mashhad	2012	The 3th Workshop on Reliability and its Applications
Mashhad	2013	The 44th Annual Iranian Mathematics Conference
Babolsar	2017	The 10 th International Conference of Iranian Operation Research Society
Mashhad	2017	The 3rd Seminar on Reliability Theory and its Applications
Kermanshah	2018	The 11 th International Conference of Iranian Operation Research Society
Yazd	2019	The 15 th International Industrial Engineering Conference
Babolsar	2019	The 12 th International Conference of Iranian Operation Research Society
Babolsar	2020	The 6th Seminar on Reliability Theory and its Applications
Shahrood	2020	The 13 th International Conference of Iranian Operation Research Society
Yazd	2020	The 15th Iranian Statistical conference
Mashhad	2021	The 14 th International Conference of Iranian Operation Research Society

Teaching Experiences:

Course Title	University	Level	Year
Engineering Statistics Mathematical Statistics I	Ferdowsi University of Mashhad	B.Sc.	2012-2013
Engineering Statistics Probability and Statistics Engineering Engineering Statistics and Probability Applied Statistics and Probability Mathematics 1 & 2 Probability in ICT Biostatistics and Probability	Sadjad University of Technology	B.Sc.	2011-2016
Engineering Statistics Applied Statistics and Probability	Khavaran Institute of Higher Education	B.Sc.	2011-2012
Statistical Analysis	Islamic Azad University of Bojnord	M.Sc.	2016-2017

Statistical Methods Project Engineering Statistics Engineering Statistics and Probability Statistical Applications in Management I Probability I Foundations of Probability Statistics and Probability Application of Statistics in geography 1 & 2 Quality Control Applied Statistics 1 & 2	Kosar University of Bojnord	B.Sc.	2016 up to now
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Reviewed papers for
Filomat (ISI)
Journal of Applied Statistics (ISI) (2 Papers)
Statistical Papers (ISI)
Statistics (ISI)
Mathematical Researches (ISC)
Caspian Journal of Mathematical Sciences (ISC)
The 11 th International Conference of Iranian Operation Research Society (14 papers)
The 6th Seminar on Reliability Theory and its Applications (7 papers)
A Project entitled "Application of fuzzy linear regression model in predicting students' academic performance" in Kosar University of Bojnord
The 16th Iranian Statistical Conference. (10 papers)
Probability statistics for engineering and science (Book)

Awards and Honors:
The third Rank Graduate, M.Sc. Degree, Ferdowsi University of Mashhad, 2010.
The second Rank Graduate, Ph.D. Degree, Ferdowsi University of Mashhad, 2015.
Distinguished Teacher in Kosar University of Bojnord, 2019.

Positions:
Head of Statistics and Information Office in Kosar University of Bojnord
Head of center for open and virtual education at Kosar University of Bojnord.

Additional Skills:
- Programming ability in statistical and mathematical Software such as SPSS, R, Maple, Mathematica, Minitab and Lingo.
- Language certification.
-Computer skills like LATEX and Microsoft Office

Memberships:
Iranian Statistical Society
Student Statistical Journal of NEDA

Thesis under guidance:

Advisor of Mr. S.F. Bagheri, Ph. D. Thesis, 2019, Department of Statistics, Faculty of Mathematical Sciences, University of Mazandaran, Babolsar

Other activities:

Holding SPSS workshop on 2017 and 2019 at Kosar University of Bojnord

References:

Jafar Ahmadi

Professor
Department of Statistics
Faculty of Mathematics
Ferdowsi University of
Mashhad
E-mail: ahmadi-j@um.ac.ir

Mahdi Doostparast

Associate Professor
Department of Statistics
Faculty of Mathematics
Ferdowsi University of
Mashhad
E-mail: doustparast@um.ac.ir

Mostafa Razmkhah

Associate Professor
Department of Statistics
Faculty of Mathematics
Ferdowsi University of
Mashhad
E-mail: razmkhah_m@um.ac.ir