CURRICULUM VITAE
Soleiman KHAZAEI

Address

Razi University, Kermanshah, Iran.

France

Phone: (+98) 09109551183

Email: s.khazaei@razi.ac.ir

Personal Details

Gender: Male

Date of birth: 04 April 1969

Place of birth: Nahavand, Iran

Citizenship: Iranian

Education

2006–2010

Ph.D. in Applied Mathematics, Universit Paris-Dauphine, France.

Thesis: *Infrence baysienne non paramtrique de densits sous contraintes de forme*

Supervisor: Prof. Judith Rousseau

1993–1996

M.Sc. in Statistics, Department of Statistics, Shiraz University, Iran.

1990–1993

B.Sc. in Statistics, Department of Statistics, Ferdowsi University of Mashhad, Iran.

Research Work

M.Sc. Thesis (1996), Shiraz University:

Maximum likelihood estimation for bivariate weighted distributions

Supervisor: Prof. J. Behboodian

B.Sc. Project (1993), Ferdowsi University of Mashhad:

Discriminant analysis and clustering

Supervisor: Prof. N. R. Arghami

Supervision and Consulting:

- Crack formation comparison in retrograde preparation using ultrasonic vs. hand-piece. Hamadan University of Medical Sciences.
- Parent awareness of dental health in children aged 612, Kermanshah, 1998.
- Sepsis clinical and microbiological study in Sina Hospital (19931999). Hamadan University of Medical Sciences.
- User manual preparation for Minitab software.

Work and Teaching Experience

19961999

Lecturer, Department of Biostatistics, Hamadan University of Medical Sciences

19992006

Lecturer, Department of Statistics, Razi University

19972006

Invited Lecturer, Payame Noor University of Iran

Workshops:

- Statistical Software Steel Company (April 1997)
- SPSS Workshop Hamadan University of Medical Sciences (June 1997)
- Research Methodology (preliminary/advanced) 19982000

Courses taught:

- Mathematical Statistics
- Probability and Applications
- Linear Regression
- Nonparametric Statistics
- Introductory Statistics
- Quality Control
- Experimental Design
- Multivariate Discrete Methods

Publications

1. A. S. Ali Albajalan, S. Khazaei and B. Haji Joudaki (2025). Analysis of survival data using Dirichlet process mixture models with kernels of Exponentiated Weibull distribution. *Sahand Communications in Mathematical Analysis*, accepted.

2. A. A. Nanvapisheh, S. Khazaei, H. Jafari, and R. A. Nazari (2025). Locally, Bayesian and Nonparametric Bayesian Optimal Designs for Gumbel Regression Model. *Journal of the Indian Society for Probability and Statistics*, [Year].

3. S. Khazaei, S. Bouhlori Hajjar(2025). Bayesian nonparametric model for weighted data using mixture of Burr XII distributions. *Statistics in Transition New Series*, 26(4), 3554.

4. B. H. Joudaki, S. Khazaei, and R. Hashemi (2025). Modeling error distribution in accelerated failure time models using a Dirichlet process mixture model with the Burr XII distribution as the kernel. *Journal of Statistical Sciences*, 19(1), 5779. doi:10.61186/jss.19.1.7.

5. B. Haji Joudaki and S. Khazaei. Some robust Bayesian estimators in the Burr XII distribution under reflected Gamma loss function. *REVSTAT Statistical Journal*, accepted January 2025.

6. Anita Abdollahi Nanvapisheh, Habib Jafari, and S. Khazaei (2024). Locally Bayesian and nonparametric Bayesian optimal designs for unit exponential regression model. *Communications in Statistics Theory and Methods*, 53(10), 120.

7. A. A. Nanvapisheh, H. Jafari, and S. Khazaei (2024). Locally, Bayesian and nonparametric Bayesian optimal designs for unit exponential regression model. *Communications in Statistics Theory and Methods*, 54(4), 1?. doi:10.1080/03610926.2024.2328182.

8. A. A. Nanvapisheh, S. Khazaei, and H. Jafari (2024). Nonparametric Bayesian optimal designs

for unit exponential regression model with respect to prior processes (with the truncated normal as the base measure). *Statistics in Transition New Series*, 24(3), 141154. doi:10.59170/stattrans-2024-032.

9. S. Khazaei (2024). Goodness of fit tests for nonincreasing densities on real positive data with nonparametric Bayesian methods. *Journal of Statistical Modelling: Theory and Applications*, 5(1), 1532.

10. Anita Abdollahi Nanvapisheh, Habib Jafari, and S. Khazaei (2023). Nonparametric Bayesian optimal designs for unit exponential nonlinear model. *Journal of Statistical Modelling: Theory and Applications*, 4(1), 5973.

11. H. Joudaki, R. Hashemi, and S. Khazaei (2023). Analysis of censored data using Dirichlet process mixture model with generalized inverse Weibull kernel. *Journal of Statistical Sciences*, 17(2), 275298.

12. Joudaki, Hashemi, and Khazaei (2022). Survival analysis using Dirichlet process mixture model with three-parameter Burr XII distribution as a kernel. *Communications in Statistics Simulation and Computation*.

13. Jafar et al. (2022). Diagnosis and prognosis of chronic disease risk using deep learning and Shapley values: Ravansar cohort study. *PLoS One*, 17(1).

14. A. Abdollahi and S. Khazaei (2021). Comparison between Gumbel and Exponentiated Gumbel distributions and their hydrological applications. *Advances in Machine Learning & Artificial Intelligence*, 2021.

15. M. Godarzi, S. Khazaei, H. Jafari (2021). D-optimal designs for linear mixed models with Dirichlet process random effects. *Communications in Statistics Simulation and Computation*.

16. S. Khazaei and A. Abdollahi Nanvapisheh (2021). The comparison between Gumbel and Exponentiated Gumbel distributions and their applications in hydrological processes. *Advances in Machine Learning & Artificial Intelligence*, 2021. Submitted: 26 Aug 2021; Accepted: 06 Sep 2021; Published: 15 Oct 2021.

17. S. Rahnamy and S. Khazaei (2020). Prediction of non-sampled units in survey design using Bayesian nonparametric mixture models. *Communications in Statistics Simulation and Computation*.

18. S. Rahnamy and S. Khazaei (2020). Bayesian nonparametric estimation of bandwidth using mixtures of kernel estimators for length-biased data. *Journal of Statistical Computation and Simulation*.

19. M. Godarzi, H. Jafari, and S. Khazaei (2019). Nonparametric Bayesian optimal designs for exponential regression model. *Communications in Statistics Simulation and Computation*.

20. Bohlouri, Hajjar, and Khazaei (2017). Bayesian nonparametric survival analysis using mixture of Burr XII distributions. *Communications in Statistics Simulation and Computation*.

21. H. Jafari, S. Khazaei, and Y. Khaki (2014). D-optimal design for logistic regression with three independent variables. *Journal of Asian Scientific Research*.

Membership

- Iranian Statistical Society

- Iranian Mathematical Society

Language Skills

Persian:	Native
English:	Fair / Intermediate
French:	Basic / Intermediate

Last updated: December 16, 2025