Behzad Mansouri.
Associate Professor of Statistics
Department of Statistics, Faculty of Mathematics and Computer Science,
Shahid Chamran University of Ahvaz, Ahvaz, Iran.

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Google Scholar: https://scholar.google.com/citations?hl=en&user=tSbOh5YAAAAJ

2019-	Head of ISO/TC69/SC4 (Application of statistical methods in product and process management) in Iran
2019- 2023	Deputy of Research and Technology at the Faculty of Mathematics and Computer Sciences, Shahid Chamran University of Ahvaz, Iran.
2016-2018	Head of Department of Statistics, Shahid Chamran University of Ahvaz, Iran.
2010–	Lecturer in Statistics, Department of Statistics, Shahid Chamran University of Ahvaz, Iran.
2006–2010	PhD in Statistics, Department of Statistics, Shahid Chamran University of Ahvaz, Iran. Thesis title: Discrimination and Clustering of Time Series in Time Domain Approach. Supervisor: Prof. Rahim Chinipardaz.
2003- 2006	Instructor in Statistics at Shahid Chamran University of Ahvaz and Instructor in Mathematics University, Iran.
2001–2003	MSc in Statistics, Department of Statistics, Shahid Chamran University of Ahvaz, Iran. Dissertation title: Survey of boundary effect in kernel density Estimation, Supervisor: Dr. Ghasem Tarmast.
1997-2001	Bachelor in Statistics, Department of Statistics, University of Shiraz, Iran.

Awards and honours:

2023	The Educational Prominent Professor (Shahid Chamran University of Ahvaz)
2022	Converting Iran from an observer member to a participating member in ISO/TC69/SC4.
2021	Executive Secretary, First International Conference on Mathematics and its Applications, Shahid Chamran University of Ahvaz – IRAN. August 10-11 , 2021.
2016	Top Researcher in the field of research projects in industries (Shahid Chamran University of Ahvaz)
2015	The Educational Prominent Professor (Shahid Chamran University of Ahvaz)

Research interests: Time series analysis, sate space models, wavelet methods for time series analysis, kernel density and distribution estimation, discrimination and clustering analysis.

Teaching Experience
Undergraduate level:
- Elementary Statistics
- Probability
- Design of Experiments I
- Design of Experiments II
- Statistical Quality Control

- Nonparametric Methods
- Time series I
- Regression Analysis

Postgraduate level:
- Time series II
- Computational Statistics
- Special Topics (Wavelet, Denoising, Smoothing, State Space models, Kernel Density Estimation)

Publications in journals

1. **Mansouri, B**., Chinipardaz, R., Atiyah Sayyid Al-Farttosi, S. & Mombeni, H. (2023). Obtaining moment estimators using the empirical distribution function. *Andishe _ye Amari, 27(1), 11-18.*

2. Mombeni, H., **Mansouri, B**., & Akhoond, M.R. (2022). Estimating Receiver Operating Characteristic Curve (ROC) Using Birnbaum-Saunders Kernel. *Journal of Advanced Mathematical Modeling, 12(3), 344-356.*

3. **Mansouri, B.**, Atiyah Sayyid Al-Farttosi, S., Mombeni, H., & Chinipardaz, R. (2022). Statistical analysis and estimation of the cumulative distribution function of COVID-19 cure duration in Iraq. *Journal of Science & Management systems, 25(8), 2101-2112.*

4. **Mansouri, B.**, Atiyah Sayyid Al-Farttosi, S., Mombeni, H., & Chinipardaz, R. (2022). Estimating Cumulative Distribution Function Using Gamma Kernel. *Journal of Sciences, Islamic Republic of Iran*, *33*(1), 45-54.

5. Sharifi, M., Mohammadzadeh Shobegar, A., Radmanesh, F., & **Mansouri, B.** (2022). Evaluation of structural approaches to state space compared to classical in predicting rainfall time series (Dez catchment). *Water and Irrigation Management*, 12(1), 1-13.

6. Mohammadzadeh Shobegar, A., Sharifi, M., Radmanesh, F., & **Mansouri, B.** (2022). Improving the estimation of simulated river discharge values using state space structural models. *Iranian Journal of Soil and Water Research*.

7. Nasimi, A. A., Saadat, S., & **Mansouri, B.** (2022). The time delay between signals of tokamak magnetic coils and its effect on the measurement of plasma displacement. *Journal of Interfaces, Thin Films, and Low dimensional systems, 5(1), 455-465.*

8. Mombeni, H. A., **Mansouri, B**., & Akhoond, M. (2021). Asymmetric kernels for boundary modification in distribution function estimation. *REVSTAT-Statistical Journal*, *19*(4), 463-484.

9. Ghorbani, A., **Mansouri, B.**, & Baradaran, M. (2021). Effects of climate variables on the incidence of scorpion stings in Iran for five years. *Journal of Venomous Animals and Toxins including Tropical Diseases*, *27*.

10. **Mansouri, B**., Atiyah Sayyid Al-Farttosi, S., Mombeni, H., & Chinipardaz, R. (2021). Estimating Cumulative Distribution Function Using Gamma Kernel. *Journal of Sciences, Islamic Republic of Iran*.

11. Montazer-Hojat, A. H., **Mansouri, B**., Afghah, S. M., & Kiani DehKiani, Z. (2021). Economic Benefits of Karoon River Does the society have willingness to pay to conserve it?. *Quarterly Journal of Quantitative Economics*, *18*(2), 1-12.

12. Chinipardaz, R., & **Mansouri, B.** (2021). Bernoulli and Ars Conjectandi. *Andishe _ye Amari*, *25*(2), 97-102.

13. Nasimi, A. A., Saadat, S., & **Mansouri, B.** (2020). Measurement of Time Delay between Magnetic Diagnostic Coils in Tokamak Using Cross-Spectral Analysis. *Optoelectronics, Instrumentation and Data Processing*, *56*(3), 213-220.

14. Rekabdar, G., Chinipardaz, R., & **Mansouri, B.** (2019). On Approximating the Distribution of Indefinite Quadratic Forms by Moments Approach. *Journal of Statistical Sciences*, *13*(1), 157-171.

15. **Mansouri, B.**, & Chinipardaz, R. (2019). Maximum Likelihood Estimating of the Covariance Matrix of the ARMA Model Using Band Matrix. *Journal of Statistical Sciences*, *12*(2), 527-547.

16. Rasekh, A., **Mansouri, B**., & Hedayatpoor, N. (2019). Outlier Detection in Ridge Regression Model Under Stochastic Linear Restrictions. *Journal of Statistical Sciences*, *13*(1), 117-137.

17. Salehi, S. M., Radmanesh, F., Zarei, H., **Mansouri, B.**, & Solgi, A. (2018). A combined Time Series–Wavelet Model For Prediction of Ground Water Level (Case Study: Firuzabad Plain). *Irrigation Sciences and Engineering*, *41*(4), 1-16.

18. Montazer-Hojat, A. H., **Mansouri, B.**, Zoufan, P., & Saeid, H. (2018). Economic Valuation of Air and Noise Pollutions Abatement Performance. *Journal of Environmental Studies*, *44*(1), 113-129.

19. Montazer-Hojat, A. H., Khodapanah, M., **Mansouri, B.**, & Elyasi, O. (2018). Economic Valuation of Sense of Security in Dezfoul City. *Strategic Rssearch on Social Problems in Iran University of Isfahan*, *7*(2), 53-64.

20. **Mansouri, B.** (2018). Wavelet analysis of uniformly time-modulated processes. *Communications in Statistics-Theory and Methods*, *47*(8), 2036-2041.

21. Gilavand, A., Shooriabi, M., & **Mansoori, B.** (2017). Investigating the use of social networking sites for dental education by students: A regional survey. *Annals of Dental Specialty*, *5*(3), 93-96.

22. Kamranfar, H., Chinipardaz, R., & **Mansouri, B.** (2017). Detecting outliers in GARCH (p, q) models. *Communications in Statistics-Simulation and Computation*, *46*(10), 7844-7854.

23. Montazer Hojjat, A. H., & **Mansouri, B.** (2017). Economic valuation: Is the society willing to pay for conservation of Hoor-al-Azim Wetland?. *Iranian Journal of Economic Studies*, *5*(1), 79-100.

24. Rekabdar, G., Chinipardaz, R., & **Mansouri, B.** (2017). On approximating distribution of the quadratic discriminant function. *Communications in Statistics-Simulation and Computation*, *46*(5), 3614-3626.

25. Montazerhojat, A., & **Mansouri, B.** (2017). Stated Preferences Modeling: The Case of the Shadegan Wetland. *Journal of Natural Environment*, *69*(4), 1145-1163.

26. Shooriabi, M., Zareyee, A., Gilavand, A., **Mansoori, B**., & Keykhahi, D. B. (2016). Investigating DMFT indicator and its correlation with the amount of serum ferritin and hemoglobin in students with beta-thalassemia major in Ahvaz, South West of Iran.

27. Montazerhojat, A., & **Mansouri, B.** (2016). Economic valuation of environmental benefits (a case of Bamdezh wetland). *Journal of Applied Economics Studies in Iran*, *5*(18), 243-269.

28. Shooriabi, M., Ardakani, D. S., **Mansoori, B.**, Satvati, S. A. R., & Sharifi, R. (2016). The effect of ginger extract on radiotherapy-oriented salivation in patients with xerostomia: A double-blind controlled study. *Der Pharmacia Lettre*, *8*(15), 37-45.

29. **Mansouri, B**., & Abasnezhad, M. (2016). Discrimination measures for fractional integrated models based on wavelets. *Communications in Statistics-Simulation and Computation*, *45*(9), 3476-3489.

30. Rekabdar, G., Chinipardaz, R., & **Mansouri, B**. (2016). Estimating Misclassification Probabilities for the Quadratic Discriminant Function by Saddlepoint Approximation. *International Journal of Applied Mathematics & Statists tics*, *54*(1), 1-U144.

31. **Mansouri, B**., & Chinipardaz, R. (2016). Asymptotic Information Measures Discrimination of Non-Stationary Time Series Based on Wavelet Domain. *Revista Colombiana de Estadística*, *39*(1), 81-95.

32. **Mansouri, B**., & Montazer Hojat, H. (2016). A Statistical Analysis of the Mechanical Properties of the Beam 14 in Lines 630 and 650 of Iran National Steel Industrial Group. *International Journal of Iron & Steel Society of Iran*, *13*(2), 40-45.
33. Monetazerhojat, A., **Mansouri, B**., & Ghorbannezhad, M. (2015). Economic valuation of the Shadegan wetland. *Quarterly Journal of Quantitative Economics*, *12*(1), 55-77.
34. Yeganegi, M., **Mansouri, B**., & Chinipardaz, R. (2015). Discrimination and clustering of earthquakes and explosions based on NDWT. *Communications in Statistics: Case Studies, Data Analysis and Applications*, *1*(1), 1-8.
35. Dehghanian, R., Chinipardaz, R. & **Mansouri, B**. (2014). Discrimination of time series based on kernel method. *Andishe _ye Amari 18* (2), 9-20.
36. Chinipardaz, R. Mokhtari, M. & **Mansouri, B**. (2014). Detection of Shocks of Coin Price in Iran using Multivariate Time series. *Quarterly Journal of Quantitative Economics*, *10*(4), 1-23.
37. Shooryabi, M., Razawi Satvati, S., **Mansoori, B.**, Nemati Zive, A., Haghnegahdar, S., & Robati, M. (2013). Medical students' clinical skill rate in diagnosis of oral mucosal disease at Ahvaz Jundishapur University of Medical Sciences. *J Res Dent Sci*, *10*(3), 205-210.
38. **Mansouri, B**., & Chinipardaz, R. (2013). Time series discrimination using likelihood function of discrete wavelet coefficients. *Journal of Advanced Mathematical Modeling*, *3*(1), 45-59.
39. **Mansouri, B**., Chinipardaz, R., & Parham, G. A. (2010). Discriminant analysis in AR(p) plus different noises processes. *Iranian Journal of Science and Technology (Sciences)*, *34*(2), 139-150.
40. Rasekh, A., & **Mansouri, B**. (2009). A study of death due to unintentional accidents and injuries in Khuzestan province during 2001-2005.
41. Chinipardaz, R., **Mansouri, B**. and Shafiee, S. (2009). Discriminant Analysis for ARMA Modles Based on Divergency Criterion: A Frequency Domain Approach. *Journal of Statistical Research of Iran*, 6 (1).

Conference Articles: To see 27 articles presented at the conferences and seminars visit: http://rms.scu.ac.ir/Public/Faculty/CVDefaultEn.aspx

Software I am proficient in: R (R Core Team), SPSS (IBM Corporation), Minitab (Minitab, Inc.), S-PLUS (TIBCO Software Inc.).

Research projects and projects carried out

Project Title	Post	The Organization (order the project)	Ending Date
Consultancy services for the preparation of statistical database of constraints on business investment in Arvand Free Zone and introductory and advanced workshop of statistical research by SPSS	chief executive officer	Arvand Free Zone Organization	2014
Statistical-Economic analysis of the data, the establishment and training of statistical quality control in production and quality inspection cycles of the Iran National Steel Industrial Group	chief executive officer	Iran National Steel Industrial Group	2015
Statistical analysis of marriage and divorce of youths in the Khozestan province	chief executive	Department of Sports and Youth-Khuzestan	2016

	officer		
Economic Valuation of Khuzestan's Wetlands	executive officer	Department of Environment of Khuzestan	2016
Supervising loans consumption in cooperatives in Khuzestan province	executive officer	Directorate General of Cooperatives Labor and Social Welfare Khuzestan	2013
Factors Affecting the Ahwaz citizen participation in public sport	executive officer	Khuzestan Police Force	2015
Estimation of social benefits from some species of trees that reduce air pollution caused by road traffic in Ahvaz city.	executive officer	Department of Parks and Green Space of Ahwaz Municipality	2016
Study of the Market Situation of Seamless Pipes 0.5 to 6 Inches in Iran and Five Selected Countries and Economic Evaluation of Investment by Upgrading the Technology or Completing and Equipping the Desired Production Lines in Order to Develop the Market	executive officer	Iran National Steel Industrial Group	2017

Graduate students

Student	Grade	Thesis title	My Role	
Sami Atiyah Al-Farttoosi	PhD	Estimating cumulative distribution function with limited support and some applications	Supervisor	
Azam Rstin	PhD	Cumulative probability distribution function estimation using beta kernel	Supervisor	
Habibalah Mombeni	PhD	Probability distribution function estimation using asymmetric kernel	Supervisor	2019
Roghaieh Shajirati	MS	Forecasting time series with complex seasonal patterns using exponential smoothing.	Supervisor	2022
Sara Hajisharafi	MS	Estimating copula densities using modified Transformation-kernel method	Supervisor	2021
Mostafa Jamashian	MS	Boundary bias correction in the nonparametric copula estimation and its application to analyze the dependence between Oil price and Stock index in Iran between 2011-2018	Supervisor	2020
Sahar Moradi	MS	Study of cases from four approaches model-free, model-based, complexity-based and prediction-based in clustering of time series	Supervisor	2019
Azam Adeli poor	MS	Volatility Estimation of Gold Price Data in State Space Using Particle Metropolis Hastings Algorithm	Supervisor	2019
Naser Gholami	MS	Using State space models for the exponential family	Supervisor	2018
Hamideh Mahdavi Shiani	MS	Study of models for optimizing the theta method and their relationship to state space models	Supervisor	2017
Leila Rajabi	MS	Multiplicative bias correction method using asymmetric kernels for nonparametric density estimation of nonnegative data	Supervisor	2017
Asma Paybast	MS	Time series clustering using the autoregressive metric	Advisor	2017

Hamideh Mahdavi Shiani	MS	Study of models for optimizing the theta method and their relationship to state space models	Supervisor	2017
Zainab Mohammad Ali Parechi	MS	Bivariate thresholding in function estimation using wavelet	Supervisor	2016
Masomoeh Mehdipoor	MS	The Estimated Averting Expenditures of Water Contamination for Households Living in Ahvaz	Advisor	2016
Ozra Eliasi Jaighaleh	MS	Economic valuation of the security in the city of Dezful	Advisor	2106
Marzieh Ramazani	MS	Estimating the population abundance and line transect sampling	Advisor	2016
Saideh Marzieh Salehi	MS	A combined time series – wavelet model for prediction of ground water level(Case study: Firuzabad Plain	Advisor	2015
Zahra Kiani dehkian	MS	Valuation of Indirect benefits of Karoon River	Advisor	2015
Narges Hasanzadeh	MS	Smoothing Evolutionary Wavelet Spectrum Estimate using Bayesian Wavelet Shrinkage	Supervisor	2015
Mohammad Reza Yeganegi	PhD	Assessment of mixture time series model's properties and State-Space representation for updating forecasts and parameter estimations	Advisor	2015
Ghasem Rekabdar	PhD	Estimating indefinite quadratic form densities in normal variables	Advisor	2015
Ali Azizian	MS	Comparison of time series with unequal length in the frequency domain	Advisor	2015
Hana Saeid	MS	Investigation and Valuing of Environmental Performance of some Trees Species in Ahvaz City	Advisor	2015
Asieh Ali	MS	The study of the Ridge estimation and some of the diagnostic methods in the linear regression with heteroskedastic errors	Advisor	2014
Bahareh Aidy Shehni	MS	A test for stationarity and approximate confidence intervals for autocovariances for locally stationary time series	Supervisor	2014
Mitra Abasnezhad	MS	Discrimination of time series using Kullback–Leibler and Chernoff approximation criteria in wavelet domain	Supervisor	2014
Laila Salehi	MS	Discriminant Analysis for Multivariate Locally Stationary Processes	Advisor	2013
Azam Behbahanian	MS	Survey on cross correlation between non-stationary time series using the locally stationary wavelet model	Supervisor	2013
Narges Hedaiatpoor	MS	Ridge estimator and diagnostic methods in the regression models under stochastic linear restrictions	Advisor	2013
Nader Abdolahi	MS	Predictive Precipitation With Methods Of : Time Series, Statistics Methods & ANNs (Case Study: Sanandaj City)	Advisor	2013
Nadia Koravand	MS	Detecting Additive Outliers in Seasonally Integrated Time Series	Advisor	2012
Razieh Dehghanian	MS	Discrimination of Time Series Based on Kernel Method	Advisor	2012

Personal details

- Year of birth: 1979.

- Citizenship: Iran

- Languages other than Persian: Kurdish (native), English (advanced).