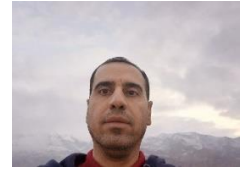

Yunes Jahani, Ph.D.



Professor of Biostatistics

Kerman University of Medical Sciences, Kerman, Iran

Contact Information

Affiliation

Professor of Biostatistics, Department of Biostatistics and Epidemiology, School of Public Health
Head, Modeling in Health Research Center, Institute for Futures Studies in Health
Kerman University of Medical Sciences, Kerman, Iran

Address

Modeling in Health Research Center, Institute for Futures Studies in Health
Kerman University of Medical Sciences, Medical University Campus
Haft-Bagh Highway, Kerman, Iran

Phone: +98 34 31325091

Email: yonesjahani@yahoo.com; yunesjahanii@gmail.com

Academic Email: u.jahani@kmu.ac.ir

Academic Profile

Dr. Yunes Jahani is a Professor of Biostatistics at Kerman University of Medical Sciences with extensive expertise in statistical modeling, health data analytics, and quantitative research methodology. His research focuses on the development and application of advanced statistical approaches, including categorical data analysis, longitudinal data analysis, multivariate methods, dynamic modeling, forecasting, and machine learning techniques in health and biomedical research.

He has extensive experience leading and collaborating on multidisciplinary health research projects, providing methodological guidance in study design, statistical analysis, and interpretation of complex health data. His work has contributed to evidence generation and data-driven decision-making in public health, clinical research, and healthcare management.

He currently serves as the Head of the Modeling in Health Research Center at Kerman University of Medical Sciences and has previously served as the Statistical Advisor to the President of

Kerman University of Medical Sciences. He has led several nationally funded research projects and has supervised graduate students in Biostatistics while supporting interdisciplinary research teams across various health-related fields.

Research Interests and Areas of Expertise

- Categorical Data Analysis
 - Longitudinal Data Analysis
 - Multivariate Statistical Analysis
 - Dynamic Modeling
 - Forecasting and Trend Analysis
 - Data Mining and Machine Learning
 - Clinical Trial Methodology
 - Quantitative Research Methodology
 - Statistical Modeling in Health Research
-

Current Academic Positions

Professor of Biostatistics

Department of Biostatistics and Epidemiology, School of Public Health
Kerman University of Medical Sciences, Kerman, Iran

Head, Modeling in Health Research Center

Institute for Futures Studies in Health
Kerman University of Medical Sciences, Kerman, Iran

Education

Degree	Field	Year	University
Ph.D.	Biostatistics	2013	Tehran University of Medical Sciences, Iran
M.Sc.	Biostatistics	2006	Tehran University of Medical Sciences, Iran
B.Sc.	Statistics	2003	Razi University of Kermanshah, Iran

Professional Experience

Professor of Biostatistics

Department of Biostatistics and Epidemiology, School of Public Health
Kerman University of Medical Sciences, Kerman, Iran
April 2023 – Present

Associate Professor of Biostatistics

Department of Biostatistics and Epidemiology, School of Public Health
Kerman University of Medical Sciences, Kerman, Iran
May 2018 – April 2023

Assistant Professor of Biostatistics

Department of Biostatistics and Epidemiology, School of Public Health
Kerman University of Medical Sciences, Kerman, Iran
September 2013 – May 2018

Academic Leadership and Administrative Roles

Head, Modeling in Health Research Center

Institute for Futures Studies in Health
Kerman University of Medical Sciences, Kerman, Iran
2019 – Present

- Leading research activities in health modeling and quantitative health research.
- Coordinating multidisciplinary research projects involving biostatistics, epidemiology, public health, and clinical sciences.
- Providing methodological leadership in study design, statistical modeling, and advanced data analysis.

Statistical Advisor to the President of Kerman University of Medical Sciences

- Provided statistical and methodological consultation for institutional research activities and evidence-based decision-making.
-

Awards and Honors

- **Distinguished Researcher**, Kerman University of Medical Sciences.
 - **Distinguished Faculty Member for Excellence in Education**, Kerman University of Medical Sciences.
 - **Ranked 3rd in the National Entrance Examination for the M.Sc. Program in Biostatistics**, Ministry of Health and Medical Education, Iran (2003).
 - **Ranked 3rd in the National Entrance Examination for the Ph.D. Program in Biostatistics**, Ministry of Health and Medical Education, Iran (2007).
-

Academic Service and Leadership

- **Editorial Board Member**, Journal of Kerman University of Medical Sciences (2025 – Present).
 - **Member of the Research Committee**, School of Nursing and Midwifery, Kerman University of Medical Sciences (2019 – Present).
 - **Member of the Research Committee**, Bahaonar Hospital, Kerman University of Medical Sciences (2019 – Present).
 - **Member of the Ph.D. Admission Interview Committee**, Kerman University of Medical Sciences (2016–2018).
-

Professional Memberships

- **Member**, Modeling in Health Research Center, Institute for Futures Studies in Health , Kerman University of Medical Sciences (2015 – Present).
-

Research Metrics and Scientific Impact

- Author of more than **140 scientific publications indexed in Scopus**, including more than **100 publications indexed in Web of Science**.
- **Scopus h-index: 23**.
- Extensive experience in multidisciplinary health research, applying advanced statistical methodologies to clinical, epidemiological, and public health studies.
- Principal supervisor of **5 Ph.D. dissertations** and **12 Master's theses** in Biostatistics.
- Statistical advisor for approximately **70 graduate theses and dissertations** across various disciplines in medical and health sciences.
- Experienced in statistical consulting, research methodology development, advanced data analysis, and interpretation of complex health research findings.

Research Leadership and Collaboration

- Principal Investigator of several nationally funded health research projects.
- Provided methodological leadership in multidisciplinary research teams through study design, statistical modeling, advanced quantitative analysis, and interpretation of research findings.
- Collaborated with researchers from diverse disciplines, including public health, epidemiology, medicine, nursing, medical informatics, and health policy.
- Applied advanced statistical methods to generate evidence for healthcare planning, clinical decision-making, and population health improvement.
- Contributed to the development and implementation of quantitative research methodologies in health sciences.

Research Software and Statistical Tools

- SPSS
- Stata
- SAS
- R Software
- Minitab
- AMOS
- PLS
- Vensim

Graduate Student Supervision

Ph.D. Supervision

- Principal supervisor of **5 Ph.D. dissertations in Biostatistics**.

Master's Supervision

- Principal supervisor of **12 Master's theses in Biostatistics**.

Statistical Consultation

- Provided statistical consultation and methodological support for approximately **70** Master's theses and Ph.D. dissertations in medical and health sciences disciplines.
-

Teaching Experience

Biostatistics Courses

Master's Level (M.Sc.)

- Biostatistics I (Applied Linear Regression Models)
- Biostatistics II (Design and Analysis of Multifactor Studies)
- Statistics in Epidemiology
- Multivariate Statistical Analysis
- Analysis of Clinical Trial Studies
- Data Mining

Doctoral Level (Ph.D.)

- Linear and Generalized Linear Models
 - Design and Analysis of Clinical Experiments
 - Categorical Data Analysis
 - Longitudinal Data Analysis
-

Epidemiology Courses

Master's Level (M.Sc.)

- Advanced Biostatistics
- Biostatistical Methods in Epidemiology
- Analysis of Medical Data Using SPSS and Stata
- Sampling Methods and Sample Size Calculation

Doctoral Level (Ph.D.)

- Analysis of Cohort Data
- Analysis of Case-Control Studies
- Analysis of Clinical Trial Studies
- Biostatistical Methods in Epidemiology (Logistic Regression)
- Survival Analysis

Selected Scopus-Indexed Publications

Selected publications representing research activities conducted through the Modeling in Health Research Center and the Department of Biostatistics and Epidemiology, Kerman University of Medical Sciences.

1. Gohari, M.A., Mehrolhassani, M.H., Rahmati, S., et al., Mirzaei, H., **Jahani, Y.** The Severity of Disease and Hospital Length of Stay for the First and Second Admission of COVID-19 Patients: An Observational Study from Southeastern Iran. *Coronaviruses*. 2026;7(2).
2. Ahmadi Gohari, M., Chegeni, M., Mirzaee, F., **Jahani, Y.** Trends of Multiple Births in Iran from 2014 to 2023. *Journal of Reproduction and Infertility*. 2025;26(3):186–192.
3. Asadollahi, Z., Ghaheri, A., Haji-Maghsoudi, S., Haghdoost, A., Ashrafi, M., Eftekhari-Yazdi, P., **Jahani, Y.** Determining Factors Associated with the Number of Oocytes with Appropriate Morphology in Infertile Women: A Cross-Sectional Study. *International Journal of Reproductive BioMedicine*. 2026;23(12):1007–1020.
4. Mohtashami, A., Ahmadi Gohari, M., Bahrampour, A., Mehrolhassani, M.H., **Jahani, Y.** Risk Factors Associated with Mortality in Hospitalized COVID-19 Patients: A Case Study from Southeast Iran. *Journal of Kerman University of Medical Sciences*. 2024;31(2):72–78.
5. Balooch Hasankhani, M., Haghdoost, A., **Jahani, Y.** The Concept and Application of the Joinpoint Regression Model in Analyzing the Time Trend in Epidemiological Studies (Case: Liver Cancer Due to Alcohol Use in Iran). *Iranian Journal of Epidemiology*. 2023;19(2):133–142.
6. Sharifi, F., Mehrolhassani, M.H., Gohari, M.A., Karamoozian, A., **Jahani, Y.** Clinical Risk Factors of Need for Intensive Care Unit Admission of COVID-19 Patients: A Cross-Sectional Study. *Archives of Academic Emergency Medicine*. 2023;11(1).
7. Nakhaeizadeh, M., Chegeni, M., Adhami, M., et al., Haghdoost, A.A., **Jahani, Y.** Estimating the Number of COVID-19 Cases and Impact of New COVID-19 Variants and Vaccination on the Population in Kerman, Iran: A Mathematical Modeling Study. *Computational and Mathematical Methods in Medicine*. 2022.
8. Ahmadi Gohari, M., Chegeni, M., Haghdoost, A.A., et al., **Jahani, Y.**, Sharifi, H. Excess Deaths During the COVID-19 Pandemic in Iran. *Infectious Diseases*. 2022;54(12):909–917.
9. Tajabadi, N.A., Pakmanesh, H., Mirzaee, M., **Jahani, Y.** The Evaluation of Survival Rate in Patients with Prostate Cancer by Bayesian Weibull Parametric Accelerated Failure-Time Model. *Iranian Journal of Public Health*. 2022;51(9):2108–2116.
10. Ghasemi, J., Fekri, M.S., Larizadeh, M.H., Dabiri, S., **Jahani, Y.** An Integrative Bayesian Model Analysis of Patient Characteristics and Treatment Variables to Understand Lung Cancer Survival Rates in Kerman Province, Iran. *Journal of Biostatistics and Epidemiology*. 2022;8(4):445–454.
11. Zarei, M., Mirzaee, M., Alizadeh, H., **Jahani, Y.** Investigation of the Factors Affecting the Survival Rate of Patients with Laryngeal Cancer Using Cox Proportional Hazards and Lin–

Ying's Additive Hazards Models. *Medical Journal of the Islamic Republic of Iran*. 2021;35:1–7.

12. Amirzadeh, S., Mirzaee, M., Sharifi, H., **Jahani, Y.** Condom Use by Female Sex Workers: A Nationwide Survey in Iran. *Sexuality and Culture*. 2020;24(6):2032–2044.
13. Sharifi, H., **Jahani, Y.**, Mirzazadeh, A., et al. Estimating COVID-19-Related Infections, Deaths, and Hospitalizations in Iran Under Different Physical Distancing and Isolation Scenarios. *International Journal of Health Policy and Management*. 2022;11(3):334–343.
14. Mohtasham, F., **Jahani, Y.**, Behrampour, A., Sharififar, F., Afshar, A.A. Investigation of Consistency Between Students' Scores Using Bayesian Intraclass Correlation Coefficient in Postgraduate Students of Kerman University of Medical Sciences. *Strides in Development of Medical Education*. 2019;16(1).
15. Sharafkhani, R., Khanjani, N., Bakhtiari, B., **Jahani, Y.**, Tabrizi, J.S., Tabrizi, F.M. Diurnal Temperature Range and Mortality in Tabriz (the Northwest of Iran). *Urban Climate*. 2019;27:204–211.
16. Mahmoodi, M., Mirzaee, M., **Jahani, Y.**, McFarland, W., Sharifi, H. Age and Factors Associated with First Non-Marital Sex Among Iranian Youth. *Sexuality and Culture*. 2019.
17. Aboubakri, O., Khanjani, N., **Jahani, Y.**, Bakhtiari, B. Attributable Risk of Mortality Associated with Heat and Heat Waves: A Time-Series Study in Kerman, Iran During 2005–2017. *Journal of Thermal Biology*. 2019;82:76–82.
18. Aboubakri, O., Khanjani, N., **Jahani, Y.**, Bakhtiari, B. The Impact of Heat Waves on Mortality and Years of Life Lost in a Dry Region of Iran (Kerman) During 2005–2017. *International Journal of Biometeorology*. 2019;63(9):1139–1149.
19. Zadeh, M.N., **Jahani, Y.**, Mirzaee, M., Sharifi, H., Karamouzian, M. Correlates of HIV Testing Among Young Adults in Iran: Findings from a Nationwide Population-Based Survey in 2013. *Journal of the Association of Nurses in AIDS Care*. 2018;29(6):866–875.
20. Khosravi, M., **Jahani, Y.**, Mirzaee, M., Payandeh, A., Bahrampour, A. Factors Associated with Patient Satisfaction in Teaching Hospitals in Zahedan, Iran, in 2017: A Two-Level Regression Model. *Electronic Physician*. 2018;10(10).
21. Tajabadi, F., Ahmadi, A., Forouzi, M., Ahmadi, Z.S., **Jahani, Y.**, Najafi, K., et al. The Effect of Adlerian Group Counseling on the Level of Assertiveness Among Midwifery Students in Clinical Setting. *Indian Journal of Forensic Medicine and Toxicology*. 2018;12(2):216–221.
22. Sharafkhani, R., Khanjani, N., Bakhtiari, B., **Jahani, Y.**, Sadegh Tabrizi, J. Physiological Equivalent Temperature Index and Mortality in Tabriz (the Northwest of Iran). *Journal of Thermal Biology*. 2018;71:195–201.
23. Sharafkhani, R., Khanjani, N., Bakhtiari, B., **Jahani, Y.**, Entezar Mahdi, R. Diurnal Temperature Range and Mortality in Urmia, the Northwest of Iran. *Journal of Thermal Biology*. 2017;69:281–287.
24. Karamoozian, A., **Jahani, Y.**, Shahesmaeili, A., Mirzaee, M. Relationship Between a Network's Indicators and Basic Factors with High-Risk Behavior of Injection Among Injecting Drug Users via the Multiple Membership Multilevel Model. *Electronic Physician*. 2017;9(9):5318.
25. Mirzaee, M., **Jahani, Y.**, Sharifi, H. Reasons for Inconsistent Condom Use Found as Answers to a Multiple Response Question: A National Survey of Iranian Adults, 2013. *Journal of Research in Health Sciences*. 2017;17(3).

26. Khanjani, N., Mousavi, M., Dehghanian, A., **Jahani, Y.**, Souri, H. The Role of Drug and Alcohol Use and the Risk of Motor Vehicle Crashes in Shiraz, Iran, 2014: A Case–Crossover Study. *Traffic Injury Prevention*. 2017;18(6):573–576.
27. Bagheri, N., Mirzaee, M., **Jahani, Y.**, Karamouzian, M., Sharifi, H. Correlates of Methamphetamine Use Among Young Iranians: Findings of a Population-Based Survey in 2013. *American Journal on Addictions*. 2017;26(7):731–737.
28. Abbaszadeh, S., Baneshi, M.R., Zolala, F., **Jahani, Y.**, Sharifi, H. Studying the Performance of Multivariate Analysis of Variance (MANOVA) Models and Structural Equation Modeling on Complex Relationships Between Variables. *Iranian Journal of Epidemiology*. 2017;13(3):183–189.
29. Zare-Bandamiri, M., Khanjani, N., **Jahani, Y.**, Mohammadianpanah, M. Factors Affecting Survival in Patients with Colorectal Cancer in Shiraz, Iran. *Asian Pacific Journal of Cancer Prevention*. 2016;17(1):159–163.
30. **Jahani, Y.**, Eshraghian, M.R., Foroushani, A.R., Nourijelyani, K., Mohammad, K., Shahravan, A., et al. Effect of Family Structure and Behavioral and Eyesight Problems on Caries Severity in Pupils Using an Ordinal Logistic Model. *Iranian Journal of Public Health*. 2013;42(8):889–895.

Research Profiles and Academic Identifiers

Google Scholar Profile

<https://scholar.google.com/citations?user=a0Ds6twAAAAJ&hl=en&oi=sra>

Scopus Author Profile

<https://www.scopus.com/authid/detail.uri?authorId=35076228800>

PubMed Publications

<https://www.ncbi.nlm.nih.gov/pubmed/?term=Jahani+y>

ORCID iD

<https://orcid.org/0000-0002-6808-7101>

ResearchGate Profile

https://www.researchgate.net/profile/Yunes_Jahani3

Publons / Web of Science Researcher Profile

<https://publons.com/researcher/3000034/yunes-jahani/>
