



Academic and Research Resume of Faculty Members

Iran University of Medical Sciences
Public Health School



Personal Information

Full Name: Dr. Masoud Roudbari

Academic Rank: Full Professor

Organizational Position: Faculty member/ Lecturer

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Field of Specialization: Biostatistics

Biography

I began my teaching career at Zahedan University of Medical Sciences (ZUMS) in 1989, where I served as the head of the university's statistical center for three years. From 1992 to 1997, I pursued my Ph.D. at the University of London. In 1997, I returned to ZUMS to serve as the deputy head of the School of Medicine for one semester. I was promoted to Associate Professor in 2007.

In 2008, I transferred to Iran University of Medical Sciences (IUMS) and was elected head of the School of Management for over a year. I was also elected as the top Researcher at the School of Management in 2009. Additionally, I represented the university on the Biostatistics Board of the Ministry of Health and Medical Education for nearly 10 years. I was promoted to Full Professor at IUMS in 2014 and served as the Head of the Biostatistics Department of IUMS from 2014 to 2019. Throughout my academic career, I have published numerous papers in both English and local journals.

Educational Background

Degree	Field of Study	Specialization	University
B.sc	Mathematics	Pure Math	Shahid Beheshti University
MSc	Biostatistics	Regression	Tarbiat Modarrs University
PhD	Biostatistics	Linear models	City st. George, University of London

Contact Information

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Teaching Experience

I have taught numerous courses, including Statistical Methods, Biostatistics, and Statistical Software, across various schools within the university. Additionally, I have conducted workshops on statistics, research methods, and statistical software. I have also published many papers in the field of medical education. Some of these studies yielded innovative results that were presented to the university as new initiatives.

Research Experience

A). BOOK

- 1- Translation of (Statistics with confidence) authored by Douglas Altman which was translated in 2003.

B) Research project (Recent):

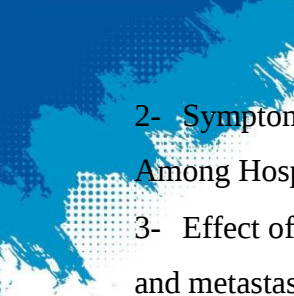
- 1- Evaluation of sensitivity and specificity of convolutional neural network for diagnosis of tuberculosis by medical images (2021)
- 2- The Iran University of Medical Sciences postgraduate students' view on the role of statistical courses in increasing their research abilities. (2022)
- 3- The relationship between the statistical teaching status in increasing the research ability from the post-graduates' perspectives of Iran University of medical sciences (2022)
- 4- The educational managers' perspectives at Iran University of Medical Sciences regarding to the Biostatistics courses. (2024)

C) Thesis (recent)

- 1- Diagnosis of Tuberculosis using 2D Medical images by convolutional neural network (2021-2022)
- 2- Comparison of statistical methods in correcting verification bias in the study of endometrial malformations in infertile women referred to Royan Research Institute (2020-2021)

D) Publication (recent)

- 1- Voice Handicap Index, Vocal Tract Discomfort, and Acoustic and Perceptual Evaluations in Speech-Language Pathologists (2025)

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- 2- Symptom Severity and Duration of COVID-19 Are Correlated with the Healthy Eating Index (HEI) Among Hospitalized Elderly Patients (2025).
 - 3- Effect of microRNA-141-3p, E2F3, CDK3, and KAT2B overexpression on histologic tumor grade and metastasis status in untreated breast cancer tissues (2025).
 - 4- Evaluation The Effect Of Music Tempo On Driving Performance (2025).
 - 5- Diagnosis of Tuberculosis Using Medical Images by Convolutional Neural Networks (2024).
 - 6- Studying the Relationship between the Teaching Status of Research Methods, Biostatistics Courses and, Academic Research Skills, from the Graduates Point of View (2023)
 - 7- Verification Bias Correction in Endometrial Abnormalities in Infertile Women Referred to Royan Institute Using Statistical Methods (2023).
 - 8- Status of Innovation in Central Libraries of Iranian Medical Universities (2023).
 - 9- Studying the Relationship between the Teaching Status of Research Methods, Biostatistics Courses and, Academic Research Skills, from the Graduates Point of View (2023)
 - 10- The Application of Bi-clustering and Bayesian Network for Gene Sets Network Construction in Breast Cancer Microarray Data (2022).
 - 11- Prediction of intraperitoneal adhesions in repeated Cesarean section using sliding sign, striae Gravidarum, and cesarian scar. (2022).
 - 12- The Biostatistics Graduates' Perspectives Concerning the Curriculum, the Course Educational Topics, and Its Association with Their Career-related Requirements (2022).
 - 13- Importance of the Neutrophil-to-Lymphocyte Ratio and the Platelet- to-Lymphocyte Ratio in Patients with Venous Thromboembolism (2022).
 - 14- The Biostatistics Graduates' Perspectives Concerning the Curriculum, the Course Educational Topics, and Its Association with Their Career-related Requirements (2021).
 - 15- Analysis of the incidence and mortality rate of Alzheimer's and other dementias during telast30 year in Iran (2022).
 - 16- A Simple Algorithm for Predicting the Location of Right-Sided Accessory Pathways Based on ECG in WPW Patients (2021).
 - 17- The Biostatistics Graduates' Perspectives Concerning the Curriculum, the Course Educational Topics, and Its Association with Their Career-related Requirements (2020).
 - 18- A Review of the Association Between Demographic, Laboratory, and Angiographic Findings and Major Cardiovascular Events in Patients Undergoing Elective Percutaneous Coronary Interventions (2020).
 - 19- Comparison of the effects of Lactobacillus plantarum versus imipenem on infected burn wound healing (2020).



20- Application of Latent Class Modelling in Students'Life Skills: The Case of Iran University of Medical Sciences (2020).

Technical and Professional Skills

- 1-High Proficiency in English language.
- 2-High ability in statistical software such as SPSS, Minitab, Stata etc.

Scientific Memberships and Academic Activities

- 1-Membership of Iranian statistical society.
- 2-Membership in Iranian Biostatistics society.
- 3-Editorial position in Journal of Health Administration.
- 4-The referee of many international and nation journals such as Modern Care Journal, Medicine, Asian Journal of Orthopedic Research, Journal of Advances in Microbiology, Journal of Advances in Medicine and Medical Research, BMC Emergency Medicine etc.