

Curriculum Vitae

Personal Information

Name: Marzieh Mahmudimanesh

Academic Rank: Assistant Professor, Faculty Member

Department: Epidemiology and Biostatistics

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Education

Ph.D. in Biostatistics, Kerman University of Medical Sciences, Iran (2017–2022)

M.Sc. in Biostatistics, Kerman University of Medical Sciences, Iran (2012–2015)

B.Sc. in Statistics, Ferdowsi University of Mashhad, Iran (2008–2012)

Dissertation / Thesis

Ph.D.: Forecasting Time Series Regression Models Using Deep Learning Methods (Supervisors: Prof. Abbas Bahrampour, Prof. Moghaddameh Mirzaee, 2022)

M.Sc.: Modeling Childhood Leukemia Using Phase-type Distribution (Supervisor: Prof. Abbas Bahrampour, 2015)

Academic Positions

Assistant Professor, Department of Epidemiology and Biostatistics, Faculty of Health, Isfahan University of Medical Sciences, Isfahan, Iran (2024–Present)

Assistant Professor (Obligatory Service), Esfarayen University of Medical Sciences, Iran (2023–2024)

Independent Researcher, Osteoporosis Research Center, Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences, Iran (2022–2023)

Independent Researcher, Chronic Diseases Research Center, Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences, Iran (2022–2023)

Publications

Books

Contributor: Modeling and Data Mining in Survival Data with Emphasis on R Software. Gap Publishers, 2021.

Journal Articles (Selected)

Mahmudimanesh M, Bahrampour A, Mirzaee M. Forecasts of Cardiac and Respiratory Mortality in Tehran Using ARIMAX and CNN-LSTM Models. Environmental Science and Pollution Research. 2021.

Mahmudimanesh M, Bahrampour A. Modeling Childhood Leukemia Using Phase-type Distribution. Journal of Kerman Univ Med Sci. 2017.

Mahmudimanesh M, et al. Global Burden of Metabolic Risk in Cardiovascular Disease. Metabolic Syndrome and Related Disorders. 2024.

Mahmudimanesh M, et al. Distribution of Extensively Drug-Resistant Tuberculosis in WHO Regions (1990–2019). Mediterranean Journal of Infection Microbes and Antimicrobials. 2024.

Mahmudimanesh M, et al. Age and Gender Distribution of Firearm Violence in High-Income Countries. Journal of Injury and Violence Research. 2025.

Conference Presentations (selected)

Using Deep Learning for Time Series Regression Models in Health: A Simulation Study. International Conference on Artificial Intelligence for Healthcare Application, Frankfurt, Germany (Poster, 2025).

Traffic Accident Mortality in Najafabad, Iran: A Time Series. 24th International Conference on Safe Community, Tabriz, Iran (Oral, 2019).

Workshops Conducted

Introductory ArcGIS, Esfarayen University of Medical Sciences, 2025.

Manuscript Writing and Presentation in Scientific Congresses, Esfarayen University of Medical Sciences, 2023.

Proposal Writing, Esfarayen University of Medical Sciences, 2023.

Python for Beginners, Kerman University of Medical Sciences, 2022.

Editorial and Reviewing Activities

Reviewer, Environmental Science and Pollution Research (Springer, Germany)

Reviewer, Health Information Management Journal (Isfahan, Iran)

Professional Development / Training

Sequences, Time Series and Prediction (Coursera, 2021)

Introduction to Machine Learning (Coursera, 2021)

R Programming for Data Science (Udemy, 2021)

Microsoft Excel for Data Analysis (Udemy, 2021)

Advanced Data Analysis Workshops (STATA, ArcGIS, Minitab, OpenBUGS, 2015–2022)