

# Curriculum Vitae

(Last update: June 2022)

## General information

**Last name:** Karamoozian

**First name:** Ali

**Date of birth:** 07/06/1990

**Place of birth:** Mahan, Kerman, Iran

**Gender:** Male

**Marital status:** Single

---

## Personal information

### **Current position:**

Assistant professor of Biostatistics at Department of Biostatistics and Epidemiology, Kerman University of Medical Sciences, Kerman, Iran

### **Affiliation:**

Department of Biostatistics and Epidemiology, Kerman University of Medical Sciences, Kerman, Iran

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

**E-mail:** Alikaramooz69@gmail.com

A.Karamoozian@kmu.ac.ir

**Tel:** +98 34 31325090

---

## Education history

**B.Sc. in Statistics:** Shahid Bahonar University of Kerman, Iran (2008-2012)

**M.Sc. in Biostatistics:** Kerman University of Medical Sciences, Iran (2013-2016)

**PhD in Biostatistics:** Kerman University of Medical Sciences, Iran (2016-2020)

## Thesis title

**B.Sc. Project title:** Introduction to skewed distributions. *Supervised by: Dr. Ahad Jamalizadeh*

**M.Sc. Thesis title:** Relationship between network's indicators and basic factors with dangerous behavior of injection among injecting drug users via the multiple membership multilevel model in Kerman. *Supervised by: Dr. Yunes Jahani*

**PhD Thesis title:** Bayesian mixture cure rate models induced by hyper Poisson frailty distribution in survival analysis based on the generalized modified Weibull distribution with an application to gastric cancer and simulation data. *Supervised by: Dr. Abbas Bahrapour & Dr. Mohammad Reza Baneshi*

---

## Fields of interest

Survival Data Analysis

Bayesian Analysis

Multilevel Data Analysis

Longitudinal Data Analysis

Categorical Data Analysis

Multivariate Data Analysis

Spatial Data Analysis

## Software

SPSS

R

MLwiN

Stata

Minitab

WinBUGS

## Awards

Selected as the first rank in the Scientific Association of Statistics at the B.Sc. in Shahid Bahonar University of Kerman in 2012

Achieving the top rank (1<sup>st</sup>) in the M.Sc. in biostatistics of Kerman University of Medical Sciences in 2015

Achieving top rank (3<sup>rd</sup>) in the PhD entrance exam in biostatistics in 2016

Achieving the top rank (1<sup>st</sup>) in the PhD in biostatistics of Kerman University of Medical Sciences in 2020

Selected as the top graduate in PhD by the National Elite Foundation in 2021

## Membership

Secretary of the Scientific Statistics Association of Shahid Bahonar University of Kerman (2011-2012)

Member of Student Research Committee of Faculty of Health in Kerman University of Medical Sciences (2013-2016)

Assistant member of Modeling in Health Research Center (since 2015)

Member of Iran's National Elites Foundation (since 2020)

## Work experiences

Teaching more than 80 theoretical and practical units in undergraduate, graduate courses and PhD in pharmacy of Kerman University of Medical Sciences since 2016

Holding a Classifying Microarray Sample and Bayesian Analysis workshops on a set of missions of Modeling in Health Research Center of Kerman University of Medical Sciences

Holding a workshop on statistical tests and SPSS software from the series of missions of Education Development Center (EDC) of Kerman University of Medical Sciences

Providing statistical advice to M.Sc. and PhD students from different universities

---

## Books

**Modeling and Data Mining Methods for Survival Data: with an Emphasize on R Software;** Cure Models, Frailty Models, Decision Tree and Random Forest, Survival Analysis in High Dimensional Data chapters, 2021.

## English papers

- 1) **Karamoozian A**, Baneshi MR, Bahrampour A. Bayesian mixture cure rate frailty models with an application to gastric cancer data. *Stat Methods Med Res.* 2021;30(3):731–46.
- 2) **Karamoozian A**, Baneshi MR, Bahrampour A. Short-term and long-term survival of patients with gastric cancer. *Gastroenterol Hepatol from bed to bench.* 2021;14(2):115–22.
- 3) Bamorovat M, Sharifi I, **Karamoozian A**, et al. Risk factors for anthroponotic cutaneous leishmaniasis in unresponsive and responsive patients in a major focus, southeast of Iran. *PLoS One* 2018; 13: e0192236.
- 4) Bahramnejad A, Iranpour A, **Karamoozian A**, et al. Universal School-Based Intervention for Increasing Resilience, and Its Effect on Substance Use. *Child Youth Serv Rev* 2020; 105378.
- 5) Bamorovat M, Sharifi I, Dabiri S, Shamsi Meymandi S, **Karamoozian A**, Amiri R, et al. Major risk factors and histopathological profile of treatment failure, relapse and chronic patients with anthroponotic cutaneous leishmaniasis: A prospective case-control study on treatment outcome and their medical importance. *PLoS Negl Trop Dis.* 2021 Jan;15(1):e0009089.
- 6) **Karamoozian A**, Jahani Y, Shahesmaeili A, et al. Relationship between a network's indicators and basic factors with high-risk behavior of injection among injecting drug users (IDU) via the multiple membership multilevel model. *Electron physician* 2017; 9: 5318–5324.
- 7) Aboubakri O, Shoraka HR, **Karamoozian A**, Abedi Gheshlaghi L, Foroutan B. Seasonal impact of air particulate matter on morbidity: Interaction effect assessment in a time-

stratified case-crossover design. *Hum Ecol Risk Assess An Int J*. 2021 Nov 26;27(9–10):2328–41.

- 8) **Karamoozian A**, Baneshi MR, Bahrampour A. Gastric cancer survival analysis: applying the bayesian mixture cure rate frailty models. *J Kerman Univ Med Sci*. 2022;29(1):95–105.
- 9) Mohammadi MA, Bamorovat M, Sharifi I, **Karamoozian A**, et al. Linguatula serrata in cattle in southeastern Iran: Epidemiological, histopathological and phylogenetic profile and its zoonotic importance. *Vet Parasitol Reg Stud Reports* 2020; 22: 100465.
- 10) Mostafavi M, Sharifi I, **Karamoozian A**, et al. The impact of diabetes on cutaneous leishmaniasis: a case–control field assessment. *Parasitol Res*. 2021;120(11):3865–74.
- 11) Cheshmyazdan M, Bamir M, **Karamoozian A**, et al. Comparing scientific production of Prioritized Health areas of Iran’s comprehensive scientific map with outlook horizon 1404 countries: A scientometric study: brief report TT. *Tehran-Univ-Med-J* 2020; 78: 466–472.
- 12) Bamorovat M, Sharifi I, Aflatoonian MR, **Karamoozian A**, Tahmouresi A, Jafarzadeh A, et al. Prophylactic effect of cutaneous leishmaniasis against COVID-19: A case-control field assessment. *Int J Infect Dis*. 2021.
- 13) Aboubakri O, Ballester J, Shoraka HR, **Karamoozian A**, Golchini E. Ambient temperature and Covid-19 transmission: An evidence from a region of Iran based on weather station and satellite data. *Environ Res*. 2022;209:112887.
- 14) Zarei M, Naghibzadeh-Tahami A, Haghdoost AA, **Karamoozian A**. Predicting Probabilistic Causes of Colorectal and Gastric Cancers using Bayesian Networks. 2022.
- 15) Jamebozorgi MH, **Karamoozian A**, Bardsiri TI, Sheikhbardsiri H. Nurses Burnout, Resilience, and Its Association With Socio-Demographic Factors During COVID-19 Pandemic. *Front Psychiatry*. 2021;12.