

## **Saiedeh Haji-Maghsoudi**

Assistant Professor of Biostatistics

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## **Education**

B.Sc. in Statistics: Bahonar University, Kerman, Iran

M.Sc. in Biostatistics: Kerman University of Medical Sciences

Ph.D in Biostatistics: Hamadan University of Medical Sciences

## **Ph.D Thesis title**

An extension of the Hidden Semi-Markov Models for longitudinal data analysis in Generalized Linear Mixed Models

## **Google scholar page:**

<https://scholar.google.com/citations?user=VEfQQU4AAAAJ&hl=en>

## **Software**

R, SPSS, Minitab, Stata, SAS

Python, Julia (Beginner)

## **Publications**

The Dynamic Effective Reproductive Number of COVID-19 during the Epidemic in IranA

Doosti-Irani, **S Haji-Maghsoudi**, A Haghdoost, S Eybpoosh, E Mostafavi, ...

Iranian Journal of Public Health 51 (4), 886-894 , 2022

Multivariate hidden semi-Markov models for longitudinal data: a dynamic regression modeling

**S Haji-Maghsoudi**, M Sadeghifar, G Roshanaei, H Mahjub

Communications in Statistics-Simulation and Computation, 1-20, 2021

Generalized linear mixed hidden semi-Markov models in longitudinal settings: A Bayesian approach -2021

**S Haji-Maghsoudi**, J Bulla, M Sadeghifar, G Roshanaei, H Mahjub  
Statistics in Medicine 40 (10), 2373-2388

Factors affecting systolic blood pressure trajectory in low and high activity conditions -2021

**S Haji-Maghsoudi**, A Mozayani Monfared, M Sadeghifar, G Roshanaei, ...  
Medical Journal of The Islamic Republic of Iran (MJIRI) 35 (1), 744-749

Estimating the Size of Hidden Groups -2021

MR Baneshi, F Zolala, **S Haji-Maghsoudi**, M Zamanian, AA Haghdooost, ...  
Methods in Epidemiology, 39-59

Methods to Estimate the Average Social Network Size -2021

MR Baneshi, **S Haji-Maghsoudi**, A Rastegari, A Mirzazadeh  
Methods in Epidemiology, 17-37

The impact of control measures and holiday seasons on incidence and mortality rate of COVID-19 in Iran -2020

**S Haji-Maghsoudi**, M Sadeghifar, G Roshanaei, H Mahjub  
Journal of Research in Health Sciences 20 (4)

Evaluation of the treatment failure ratio in individuals receiving methadone maintenance therapy via the network scale up method -2019

Z Heydari, MR Baneshi, H Sharifi, M Zamanian, **S Haji-Maghsoudi**, ...  
International Journal of Drug Policy 73, 36-41

Methodological considerations in using the Network Scale Up (NSU) for the estimation of risky behaviors of particular age-gender groups: An example in the case of intentional ... - 2019

M Zamanian, F Zolala, AA Haghdooost, **S Haji-Maghsoudi**, Z Heydari, ...  
PloS one 14 (6), e0217481

Addressing the problem of missing data in decision tree modeling -2018

**S Haji-Maghsoudi**, A Rastegari, B Garrusi, MR Baneshi  
Journal of Applied Statistics 45 (3), 547-557

Effects of geranium aromatherapy massage on premenstrual syndrome: A clinical trial -2018

SM Lotfipur-Rafsanjani, A Ravari, Z Ghorashi, **S Haji-Maghsoudi**, ...  
International Journal of Preventive Medicine 9

The frequency of alcohol use in Iranian urban population: the results of a national network scale up survey -2017

A Nikfarjam, **S Hajimaghsoudi**, A Rastegari, AA Haghdooost, AA Nasehi, ...  
International journal of health policy and management 6 (2), 97

Analysis of self-care behaviors and its related factors among diabetic patients -2016

B Moeini, P Taymoori, **S Haji Maghsoudi**, M Afshari, ...  
Qom University of Medical Sciences Journal 10 (4), 48-57

The application of Poisson hidden Markov model to forecasting new cases of congenital hypothyroidism in Khuzestan province -2016

M Sadeghifar, M Seyed-Tabib, **S Haji-Maghsoudi**, K Noemani, ...  
Journal of Biostatistics and Epidemiology 2 (1), 14-19

National population size estimation of illicit drug users through the network scale-up method in 2013 in Iran -2016

Nikfarjam, Ali, Shokoohi, Mostafa, Shahesmaeili, Armita, Haghdoost, Ali Akbar, Baneshi, Mohammad Reza, **Haji-Maghsoudi**, **Saiedeh**, Rastegari, Azam, Nasehi, Abbas Ali, Memaryan, Nadereh and Tarjoman, Termeh  
International Journal of Drug Policy 31, 147-152

Assessment of the importance of a new risk factor in prediction models -2016

MR Baneshi, EM Farkhani, **S Haji-Maghsoudi**-  
Iranian Red Crescent Medical Journal 18 (2)

Analysis of the maternal mortality in Iran, 2007-2012 -2015

F Kamiabi, F Torkestani, M Abedini, **S Haji-Maghsoudi**, A Rastegari, ...  
Journal of Kerman University of Medical Sciences 22 (6), 650-668

Application of a network scale-up method to estimate the size of population of breast, ovarian/cervical, prostate and bladder cancers -2015

AA Haghdoost, MR Baneshi, **S Haji-Maghsoudi**, H Molavi-Vardanjani, ...  
Asian Pacific Journal of Cancer Prevention 16 (8), 3273-3277

Imputation of Missing Data for a Continuous Variable with an Ordinal form of Risk Function: When to Apply the Transformation? -2014

MR Baneshi, B Garrusi, **S Haji-Maghsoudi**  
International Journal of Statistics in Medical Research 3 (4), 378-383

Estimating the annual incidence of abortions in Iran applying a network scale-up approach -2014

A Rastegari, MR Baneshi, **S Haji-Maghsoudi**, N Nakhaee, M Eslami, ...  
Iranian Red Crescent Medical Journal 16 (10)

Comparison of nasal intermittent positive pressure ventilation and nasal continuous positive airway pressure treatments using parametric survival models -2014

MR Baneshi, B Bahmanbijari, R Mahdian, **S Haji-Maghsoudi**  
Iranian journal of pediatrics 24 (2), 207

The application of network scale up method on estimating the prevalence of some disabilities in the Southeast of Iran -2014

E Mohebbi, MR Baneshi, **S Haji-Maghsoudi**, AA Haghdoost  
Journal of research in health sciences 14 (4), 272-275

The introduction of Network scale-up method: An indirect method to estimate the hard-to-reach populations -2014

M Shokoohi, ES Mohebbi, A Rastegari, **S Hajimaghsoudi**, AA Haghdoost, ...  
Iranian Epidemiological Association-

Selection of variables that influence drug injection in prison: Comparison of methods with multiple imputed data sets -2014

**S Haji-Maghsoudi**, AA Haghdoost, MR Baneshi-  
Addiction & health 6 (1-2), 36

Internal Consistency and Confirmatory Factor Analysis of Persian version Circadian Type Inventory in Iranian Day Worker and Shift Worker, 2011-2012. -2013

N Hasheminejad, M Sadeghi, MR Baneshi, **S Haji Maghsoudi**, ...  
Iran Occupational Health 10 (3), 45-51

The estimation of active social network size of the Iranian population -2013

A Rastegari, **S Haji-Maghsoudi**, A Haghdoost, M Shatti, T Tarjoman, ...  
Global journal of health science 5 (4), 217

Influence of pattern of missing data on performance of imputation methods: an example using national data on drug injection in prisons -2013

**S Haji-Maghsoudi**, A Haghdoost, A Rastegari, MR Baneshi  
International journal of health policy and management 1 (1), 69

Customers' Satisfaction with primary health care: comparison of two district health centers with and without ISO certificate in Kerman University of Medical Sciences -2013

M Hosseinpour, V Yazdi Feyzabadi, F Balali Meybodi, **S Hajimaghsoudi**  
Health and Development Journal 2 (1), 54-64

Internal consistency and confirmatory factor analysis of Persian version circadian type inventory in Iranian day worker and shift worker employees, 2011-2012 -2013

A Jafari-Roodbandi, N Hashemi-Nejad, M Sadeghi, MR Baneshi, **S Hajimaghsoudi**, ...

Estimating population size of drug and alcohol abusers in Iran 2012 -2012

AA Haghdoost, F Jafari, T Tarjoman, N Meamarian, MR Baneshi, ..., **S Haji-Maghsoudi**  
Tehran: Sepidbarg

Evidence-based statistics: appropriate approach for description and analysis of research data - 2011

MR Baneshi, **S Hajimaghsoudi**, A Rastegari, MR Mahmoodi-  
STRIDES IN DEVELOPMENT OF MEDICAL EDUCATION 8 (1), 4-13

A Comparison between Apgar scores and birth weight in infants of addicted and non-addicted mothers -2011

E Rahi, MR Baneshi, E Mirkamandar, **SH Maghsoudi**, A Rastegari  
Addiction & health 3 (1-2), 61

## Conferences

- Estimation of Survival Rates after Multiple Imputation of Missing Data: When to Apply Rubins Rules?

13th Iranian Statistical Conference Shahid Bahonar University of Kerman 24-28 August 2016

- How to tackle the problem of missing data in decision tree modeling?  
36th Annual Conference of the International Society for Clinical Biostatistics (ISCB 2015)