

Solaiman Afroughi

Curriculum Vitae

Last revised November, 2017

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Department of Biostatistics and Epidemiology, Faculty of Health and Nutrition Sciences
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Education and Qualifications

University of Shiraz, B.S. of Statistics, 1985

University of Shiraz Medical Sciences, M.S. of Biostatistics, 1991

Tarbiat Modares University, Tehran, Doctorate of Biostatistics, 2010, Iran

Specialization Exams:

Community Health Statistics, Medical Statistics, Survival Analysis, Spatial Statistics,

Demography

Dissertation:

" Analysis of spatially correlated binary data using autologistic model and inverse Bayes
formulae with application for determining relation and factors of caries in deciduous dents."

Professional experience

1997-2009 Structure, Department of Biostatistics and Epidemiology, University of Yasuj
Medical Sciences.

2010- present fellow, Assistant Professor, Department of Biostatistics and Epidemiology,
University of Yasuj Medical Sciences.

Research interests

Bayesian methods

Generalized linear models

Random and mixed effect models

Spatial statistics

Spatial lattice system data

Simulation methods

Dentistry

Infertility

Application of spatial statistics in Medical and Health Sciences

Social determinants factors influencing disease presence

Factors related to survival of cancer cases

Residential mobility and migration in population

Environmental inequality and mortality and morbidity

Impact of Family composition and change on Adolescent development

Publications in refereed journals

Afroughi, Solaiman, Faghihzadeh, Soghrat, Jafari Khaledi, Majid, and Ghandehari Motlagh, Mehdi . 2010. Dental caries analysis in 3–5 years old children: A spatial modeling. *Archives of Oral Biology* 55:374 – 378.

Afroughi, Solaiman, Faghihzadeh, Soghrat, Jafari Khaledi, Majid, and Ghandehari Motlagh, Mehdi, and Hajizadeh, Ebrahim. 2011. Analysis of clustered spatially correlated binary data using autologistic model and Bayesian method with an application to dental caries of 3–5-year-old children. *Journal of Applied Statistics*, 38(12) : 2763–2774.

Solaiman Afroughi , Mehdi Ghandehari Motlagh, Soghrat Faghihzadeh, Majid Jafari Khaledi. A model for Analyzing spatially correlated binary data clustered in uncorrelated lattices. *Statistical Methodology* , 2013

Solaiman Afroughi. Bayesian Inference of Spatially Correlated Binary Data Using Skew-Normal Latent Variables with Application in Tooth Caries Analysis. *Open Journal of Statistics*, 2015, 5, 127-139.

Zibaneh Tabeshfar, Solaiman Afroughi ,Rahim Ostovar , Azizollah Pourmahmoudi. Unintended pregnancy simultaneous with using contraception methods in referring to urban health center in Iran 2012-2013. *International Journal of Advanced Biotechnology and Research (IJBR)*, Vol-7, Issue-3, 2016, pp913-919

Solaiman Afroughi. Impact of contacting teeth on caries status of a tooth using spatial auto logistic regression model: analyzing caries experiences among a sample of primary school children. *International Journal of Advanced Biotechnology and Research (IJBR)*, Vol-8, Issue-3, 2017, pp1947-1953.

I have many articles in Iranian(persion) journals

Papers under review or in progress

Prevalence, severity and related factors of dental caries in a sample of Iranian primary schoolchildren . *BMC oral health journal*.

Teaching experience

Undergraduate courses: Statistics , Biostatistics, Honors Thesis

Graduate instruction: Statistics for the Social Sciences

1993-2009 Instructor, Department of Biostatistics and Epidemiology, University of Yasouj Medical Sciences.

Undergraduate courses: Biostatistics, Mathematics, demography , Research Methods, Methodological Applications in Health Research, Senior Thesis.

Graduate instruction: Supervised theses for many MA students and served on many other thesis committees.

2010- Present fellow, assistant professor , Department of Biostatistics and Epidemiology, University of Yasouj Medical Sciences, Iran. Teaching courses : Biostatistics to all MA, and undergraduate students, consulting thesis and workshop on statistics and applications.

Teaching interests

Spatial statistics and its applications

Survival analysis

Advanced Biostatistics

Markov Chain Monte Carlo Methods

Population Studies

Professional service

Manuscript Referee: Journal of Applied Statistics

Regular member of Iranian Statistical Society