

# Alireza Afshari Safavi

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## Home

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## University

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## Place and date of birth

Mashhad, 27 Feb 1986

## Marital Status

Married

## Military service

Served

## EDUCATION

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### **Ph.D., Biostatistics, Isfahan University of Medical Sciences, 2019**

Concentrations: Biostatistics, Missing data

Dissertation: *Application of random effects pattern-mixture models in combination with inverse probability weighting for continuous non ignorable non response in longitudinal clinical studies.*

Dissertation Advisor: Sayyed Mohsen Hosseini, Ph.D.

### **M.Sc., Biostatistics, Kermanshah University of Medical Sciences, 2014**

Concentrations: Biostatistics, Longitudinal studies

Thesis: *Comparison of working Correlation Matrices in Parameter Estimation Using Generalized Estimation Equations model in order to determine the factors associated with Iron Overload in Patients with Thalassemia.*

Thesis Advisor: Amir Hossein Hashemian, Ph.D.

### **B.Sc., Statistics, Birjand University, 2009**

## TEACHING EXPERIENCE

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### **Instructor, Isfahan University of Medical Sciences, 2014-2018**

Courses: Biostatistics, Research Methodology.

### **Teaching Assistant, Isfahan University of Medical Sciences, 2016-2018**

Courses: Biostatistics using SPSS.

### **Instructor, Hasht Behesht University, 2017-2019**

Courses: statistics and probabilities.

### **Instructor, Shahid Ashrafi Esfahani University, 2018-2019**

Courses: Biostatistics, Engineering statistics and probabilities.

## **RESEARCH EXPERIENCE**

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**Member of Statistics Committee, Isfahan Students' Cohort Study (RASAD), Isfahan University of Medical Sciences 2016**

**Statistical Analyst, Neuroscience research center, Isfahan University of Medical sciences, 2018.**

## **PUBLICATIONS**

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### ***Articles***

1. R Khamutian, F Najafi, M Soltanian, MJ Shokoohizadeh, S Poorhaghighat, A Dargahi, K Sharafi, A Afshari Safavi. The association between air pollution and weather conditions with increase in the number of admissions of asthmatic patients in emergency wards: a case study in Kermanshah. *Med J Islam Repub Iran*. 2015. 29:229.
2. Eghbal Zandkarimi, Alireza Afshari Safavi, Mansour Rezaei, Ghazban Rajabi, Comparison logistic regression and discriminant analysis in identifying the determinants of type 2 diabetes among prediabetes of Kermanshah rural areas, *J Kermanshah Univ Med Sci*; 2013; 17(5): 300-308.
3. Shamsi Abbasalizadeh, Zahra Darvishi, Fatemeh Abbasalizadeh, Milad Azami, Milad Borji, Alireza Afshari Safavi, The Prevalence of Helicobacter Pylori Infection among Iranian Pregnant Women- a Meta-Analysis Study, *Journal of Knowledge & Health*; 2016; 11(2): 17-23.
4. Sajad Dehnavi, Nasrollah Sohrabi, Siamak Zarei, Alireza Afshari Safavi, Behnam Afrasiabi, Kamran Salimi, Demographic characteristics, clinical signs and laboratory findings in brucellosis hospitalized patients in Kermanshah, *JOURNAL OF CLINICAL RESEARCH IN PARAMEDICAL SCIENCES*, 2015; 3(4):216-222.
5. Eghbal Zandkarimi, Alireza Afshari Safavi, Comparison of artificial neural network predictive power with multiple logistic regressions to determine patients with and without diabetic retinopathy, *razi journal of medical science*; 2014; 21 (124):79-90.
6. A Afshari Safavi, H Kazemzadeh Gharechobogh, M Rezaei, Comparison Of EM algorithm and standard imputation methods for missing data: a questionnaire study on diabetic patients, *Iranian Journal of Epidemiology*, 2015; 11(3):43-51.
7. Rezaei M, Safavi A, Alavi N, Kashefi H. Study of Self Medication In Patients With Diabetes Using Path Analysis. *Journal of Diabetology*. 2015; 3(2).
8. Razieh Khamutian, Abdollah Dargahi, Mohammad Soltanian, Farid Najafi, Alireza Afshari Safavi, The relationship of air pollution and asthma patients admitted to hospitals in Kermanshah (2008-2009), *Journal of Kermanshah University of Medical Sciences*; 2015; 18(10):586-592.
9. Amir-Hossein Hashemian, Alireza Afshari-Safavi, Mansour Rezaei, Mehrdad Payandeh, Mohammad-Reza Golpayegani, Shirin Fallah-Pakdel, Detecting the determinants of cardiac

and hepatic iron overload in patients with thalassemia major using a generalized estimating equations method, *Journal of Mazandaran University of Medical Sciences*, 2014; 23(110):175-181.

10. Alireza Afshari-Safavi, Sayed Mohsen Hosseini, Masoumeh Sadeghi, Tohid JafariKoshki, Mohammad Talaei, Hamidreza Roohafza, Nizal Sarrafzadegan. Longitudinal Assessment of Utility and Cut Points of Lipid Ratios in Metabolic Syndrome Prediction: the Isfahan Cohort Study. *Journal of Biochemical Technology*; 2019.
11. Z. Rafiee Pour, S. M. R. Nazifi, A. Afshari Safavi, Z. S. Nazifi, and A. R. Massah. Solvent-Free Synthesis, ADME Prediction, and Evaluation of Antibacterial Activity of Novel Sulfonamide Derivatives; *Russian Journal of Organic Chemistry*; 2019.
12. P. Shoaiei, H. Shojaei, F. Khorvash, S. M. Hosseini, B. Ataei, Z. Esfandiari, B. Vakili, M. Rozati, A.A. Safavi. Clostridium diffcile infection in cancer patients with hospital acquired diarrhea at the teaching hospitals in Iran: Multilocus sequence typing analysis (MLST) and Antimicrobial resistance pattern. *Ann Ig*. 2019; 31: 365-373.
13. Alireza Afshari-Safavi, Sayed Mohsen Hosseini, Mohammad Talaei, Hamidreza Roohafza, Nizal Sarrafzadegan, Masoumeh Sadeghi. 12-year follow-up study of the c-reactive protein in Iranian middle-aged women: Isfahan cohort study, *Advances in Human Biology*; 2019; 9(2): 129-134.
14. SM Hosseini, A Afshari Safavi, A Esmail Zade, S Beig Rezaei, Comparison of anthropometric indices of the children aged 5-18 years in Isfahan with NCHS values, *Iranian Journal of Epidemiology*, 2017; 13(2):119-127.
15. Alireza Afshari Safavi, Eghbal Zand Karimi, Mansour Rezaei, Hassanali Mohebi, Shaban Mehrvarz, Mohammad Rasoul Khorrami, Comparing the Accuracy of Neural Network Models and Conventional Tests in Diagnosis of Suspected Acute Appendicitis, *Journal of Mazandaran University of Medical Sciences*, 2015; 25(128):58-65.
16. Amir Hossein Hashemian, Alireza Afshari Safavi, Mansour Rezaei, Zahra Badiiee, Comparison Of Working Correlation Matrices In Correlated Multivariate Models With Repeated Measures: Application To Mrit2\* Of The Cardiac And Liver Of Thalassemic Patients, *Daneshvar Medicine*, 2013; 21(107).
17. Farshid Amiri, Soroush Borji, Nasrollah Sohrabi, Alireza Afshari Safavi, The prevalence and antimicrobial susceptibility pattern of Shigella species isolated from hospitalized patients, Kermanshah, 2007-2013, *OURNAL OF CLINICAL RESEARCH IN PARAMEDICAL SCIENCES*, 2013; 2(2):109-114.
18. Tarvirdizade Bahman, Kazemzade Hossein, Afshari Safavi Alireza, Comparison of Confidence Interval Based on Bootstrap Method for the Mean Response time in a Simulation Study, *Journal of Advanced Mathematical Modeling*, 2014; 4(1):1-21.
19. Amir Hossein Hashemian, Alireza Afshari Safavi, Mansour Rezaei, Zahra Badiiee, Actual Correlation Structure Selection in Multivariate Models Associated with Repeated Measures: Applied on the Heart's MRIT2\* and Liver of Patients with Thalassemia, *World Applied Sciences Journal*, 2013; 26(9):1192-1197.

### **Books**

1. Alireza Afshari Safavi, Yaser Tabaraei (2016), Application of advanced statistical methods in medical studies using SPSS, Sabzevar, Sabzevar University of Medical Sciences.
2. Yaser Tabaraei, Alireza Afshari Safavi (2016), Research Methodology and Proposal Writing in Medical Sciences, Sabzevar, Sabzevar University of Medical Sciences.

### **PRESENTATIONS**

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1. M Rezaei, A Afshari-Safavi, B Beiranvand, H Kashefi (2014). "Comparison of EM Algorithm and Standard Missing Data Methods." Paper presented at the 12<sup>th</sup> Iranian Statistical Conference at the University of Kermanshah.
2. A Afshari-Safavi, M Rezaei, N Masoudi Alavi (2014). "The Application of Path Analysis in Determination of Predictors of the Self-Treatment in Diabetic Patients." Paper presented at the 12<sup>th</sup> Iranian Statistical Conference at the University of Kermanshah.
3. F Khamoushi, E Sadeghi, A Afshari-Safavi (2014). "Prevalence of metabolic syndrome in using systematic review of studies in Iran". Paper presented at the Annual Research Congress of Iranian Medical Sciences Student at the Kermanshah University of Medical Sciences.
4. E Zandkarimi, A Afshari-Safavi, M Rezaei (2015). "Comparison of neural network and logistic regression in determination of risk factors of type 2 diabetes." Paper presented at the 6<sup>th</sup> Iranian Congress of Epidemiology at the Yasuj University of Medical Sciences.
5. B Beiranvand, F Heidari, H Kashefi, A Afshari-Safavi (2014). "Evaluation of Burnout in Radiology Staff of University Hospitals in Kermanshah". Paper presented at the Annual Research Congress of Iranian Medical Sciences Student at the Kermanshah University of Medical Sciences.
6. S Izad Panah, M Ziaei, A Mehrabi, A Afshari-Safavi, S Zare, "The Relationship between Safety Climate and Job Motivation among Employees of an Oil Company in Western of Iran." Paper presented at the 7<sup>th</sup> University Student Conference on Innovation in Health Sciences at the Shahid Beheshti University of Medical Sciences.

### **RELEVANT SKILLS**

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Programming ability in R software  
Extensive knowledge of SPSS statistical program.  
Brief knowledge of SAS and STATA statistical programs.