

Curriculum Vitae

Fatemeh Nouri, Ph.D. in Biostatistics, Nutrition and Food Security Research Center, Isfahan University of Medical Sciences, Isfahan, Iran

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PERSONAL DETAILS

Name: Fatemeh

Last Name: Nouri

Language Skills: Farsi, English

Education

- 1- Bsc in Statistics, Najafabad Payam-Nour University, 2000-2004
- 2- Msc in Biostatistics, Isfahan University of medical science, 2011 to 2014 (Modeling of mixed outcome types using latent variables and its application in association of personality trait with psychiatry Problems (anxiety, depression, stress))
- 3- Ph.D in Biostatistics, Isfahan University of medical science, 2016 to 2022 (Multidimensional Latent Trait Linear Mixed Model with Latent Covariates and NonNormal Random Effects for Longitudinal Data with Bayesian Approach: Its Application for Analyzing Medical Data)

RESEARCH EXPERIENCE

- ✓ Head of Biostatistics unit in Isfahan Cardiovascular Research Center, Cardiovascular Research Institute 2006 to 2023
- ✓ Member of research council of Cardiovascular Research Institute, Isfahan University of Medical sciences, Isfahan, Iran.
- ✓ Collaboration with ARYA Atherosclerosis Journal as Statistical Section Editor and Reviewer.
- ✓ Member of research council of Nutrition and Food Security Research Center, Isfahan University of Medical Sciences, Isfahan, Iran, 2025

RESEARCH INTERESTS

- Latent variable models
- Modeling in longitudinal data
- Item Response Models
- Multidimensional Latent Trait Linear Mixed Models
- Bayesian Models
- Modeling survival data

TEACHING EXPERIENCE

University of Medical Sciences, Isfahan, Iran, 2017 to date

Taught courses

- Statistics and Probability
- Biostatistics
- Biostatistics and Methodology of Research
- Methodology of Research in Medical and Health
- Biostatistics and Health Indices
- Analyzing Health Data using SPSS for Windows

Awards and Achievements

- The 2th person in national entrance PhD exam (2016)
- Ranked first among PhD students of Biostatistics Department (2016-2018)
- The 16th person in national entrance MSc exam (2011)
- Ranked first among MS students of Biostatistics Department (2011-2012)

CONTINUOUS PROFESSIONAL DEVELOPMENT (CPD) COURSES

Systematic review workshop

Isfahan university of medical sciences, Isfahan, Iran

Writing scientific articles workshop

Isfahan university of medical sciences, Isfahan, Iran

Journal submission workshop

Isfahan university of medical sciences, Isfahan, Iran

Research methods workshop

Isfahan university of medical sciences Isfahan, Iran

Searching in scientific databases workshop

Isfahan university of medical sciences, Isfahan, Iran

Mendeley software workshop

Isfahan university of medical sciences, Isfahan, Iran

Endnote software workshop

Isfahan university of medical sciences, Isfahan, Iran

Teaching methods workshop

Isfahan university of medical sciences, Isfahan, Iran

Advanced search methods workshop

Isfahan university of medical sciences, Isfahan, Iran

Ethics in research workshop

Isfahan university of medical sciences, Isfahan, Iran

Ssystematic review and meta-analysis workshop

Isfahan university of medical sciences, Isfahan, Iran

R software workshop

Isfahan university of medical sciences, Isfahan, Iran

Winbugs software workshop

Isfahan university of medical sciences, Isfahan, Iran

SPSS software workshop

Isfahan university of medical sciences, Isfahan, Iran

Artificial intelligence workshop: challenges and applications

Isfahan university of medical sciences, Isfahan, Iran

1. Khosravi A, Akhavan TA, Golshadi I, Dana SZ, Bahonar A, Zarfeshani S, Alikhasi H, Rezaei S, Nouri F, Hashemi S. The Relationship between Weight and CVD Risk Factors in a Sample Population of Central Part of Iran (Based on IHHP). *Razi Journal of Medical Sciences*. 2010;17(72):31-41. (Persian)
2. Khosravi A, Mehr GK, Kelishadi R, Shirani S, Gharipour M, Tavassoli A, Noori F, Sarrafzadegan N. The impact of a 6-year comprehensive community trial on the awareness, treatment and control rates of hypertension in Iran: experiences from the Isfahan healthy heart program. *BMC cardiovascular disorders*. 2010;10(1):1-8.
3. Mohammadifard N, Nazem M, Naderi G-A, Saghaian F, Sajjadi F, Maghroon M, Bahonar A, Alikhasi H, Nouri F. Effect of hydrogenated, liquid and ghee oils on serum lipids profile. *ARYA atherosclerosis*. 2010;6(1):16-22.
4. Najafian J, Mohammadifard N, Dana SZ, Sadri GH, Ramezani M, Nouri F. Association between sleep duration and body mass index and waist circumference. *Iranian Journal of Medical Sciences*. 2010;35(2):140-4.
5. Gharipour M, Kelishadi R, Toghianifar N, Mackie M, Yazdani M, Noori F, Sarrafzadegan N. Sex based pharmacological treatment in patients with metabolic syndrome: Findings from the Isfahan healthy heart program. *African Journal of Pharmacy and Pharmacology*. 2011;5(3):311-6.
6. Khosravi AR, Pourmoghasdas M, Ostovan M, Mehr GK, Gharipour M, Zakeri H, Soleimani B, Namdari M, Hassanzadeh M, Tavassoli AA, Ghaffari S, Khaledifar A, Roghani F, Khosravi M, Sarami S, Kojouri J, Nori F, Khosravi E, Jozan M, Sarrafzadegan N. The impact of generic form of Clopidogrel on cardiovascular events in patients with coronary artery stent: results of the OPCES study. *Journal of Research in Medical Sciences: The Official Journal of Isfahan University of Medical Sciences*. 2011;16(5):640-50.
7. Najafian J, Toghianifar N, Mohammadifard N, Nouri F. Association between sleep duration and metabolic syndrome in a population-based study: Isfahan Healthy Heart Program. *Journal of research in medical sciences: the official journal of Isfahan University of Medical Sciences*. 2011;16(6):801-6.
8. Samani S-G, Kelishadi R, Adibi A, Noori F, Moeini M. Association of serum alanine aminotransferase levels with cardiometabolic risk factors in normal-weight and overweight children. *Iranian Journal of Pediatrics*. 2011;21(3):287-93.
9. Kelishadi R, Mohammadifard N, Sarrafzadegan N, Nouri F, Pashmi R, Bahonar A, Heidari H, Asgary S, Boshtam M, Mardani A. The effects of a comprehensive community trial on cardiometabolic risk factors in adolescents: Isfahan Healthy Heart Program. *ARYA atherosclerosis*. 2012;7(4):184-90.
10. Khosravi A, Kelishadi R, Sarrafzadegan N, Boshtam M, Nouri F, Zarfeshani S, Esmailzadeh A. Impact of a community-based lifestyle intervention program on blood pressure and salt intake of normotensive adult population in a developing country. *Journal of research in medical sciences: the official journal of Isfahan University of Medical Sciences*. 2012;17(3):235-41.

11. Khosravi A, Tabib AA, Golshadi I, Siadat ZD, Bahonar A, Zarfeshani S, Alikhasi H, Rezaee S, Noori F, Jazi MH. The relationship between weight and CVD risk factors in a sample population from central Iran (based on IHHP). *ARYA atherosclerosis*. 2012;8(2):82-9.
12. Maghroun M, Mohammadifard N, Sajjadi F, Nouri F, Alikhasi H, Rouhafza H, Safari H. The effect of Isfahan Healthy Heart Program on food trend in smokers and non-smokers. *Journal of Research in Behavioural Sciences*. 2012;10(7):635-44 (Persian)
13. Mohammadifard N, Sarrafzadegan N, Nouri F, Sajjadi F, Alikhasi H, Maghroun M, Kelishadi R, Iraj F, Rahmati M. Using factor analysis to identify dietary patterns in Iranian adults: Isfahan Healthy Heart Program. *International journal of public health*. 2012;57(1):235-41.
14. Ahmadi A, Gharipour M, Nouri F, Sarrafzadegan N. Metabolic syndrome in Iranian youths: a population-based study on junior and high schools students in rural and urban areas. *Journal of diabetes research*. 2013;2013:738485.
15. Haghighatdoost F, Sarrafzadegan N, Khosravi A, Noori F, Boshtam M, Mohammadifard N, Abdollahi Z, Azadbakht L. Is the association between salt intake and blood pressure mediated by body mass index and central adiposity? *Archives of Iranian Medicine*. 2013;16(3):167-71.
16. Mohammadifard N, Hosseini M, Sajjadi F, Maghroun M, Boshtam M, Nouri F. Comparison of effects of soft margarine, blended, ghee, and unhydrogenated oil with hydrogenated oil on serum lipids: A randomized clinical trial. *ARYA atherosclerosis*. 2013;9(6):363-71.
17. Mohammadifard N, Nazem M, Sarrafzadegan N, Nouri F, Sajjadi F, Maghroun M, Alikhasi H. Body mass index, waist-circumference and cardiovascular disease risk factors in Iranian adults: Isfahan healthy heart program. *Journal of health, population, and nutrition*. 2013;31(3):388-97.
18. Mohammadifard N, Sarrafzadegan N, Ghassemi GR, Nouri F, Pashmi R. Alteration in unhealthy nutrition behaviors in adolescents through community intervention: Isfahan Healthy Heart Program. *ARYA atherosclerosis*. 2013;9(1):89-97.
19. Sadeghi M, Ghashghaei FE, Rabiei K, Golabchi A, Noori F, Baboli MT, Sarrafzadegan N. Does significant weight reduction in men with coronary artery disease manage risk factors after cardiac rehabilitation program? *Journal of Research in Medical Sciences*. 2013;18(11):956-60.
20. Sajjadi F, Noori F, Mohammadifard N, Maghroun M, Alikhasi H, Iraj F, Ehteshami MS. Cardiovascular diseases risk factors in people with normal body mass index and waist circumference. *Journal of Birjand University of Medical Sciences*. 2013;20(3):317-26. (Persian)
21. Sarrafzadegan N, Gharipour M, Sadeghi M, Nouri F, Asgary S, Zarfeshani S. Differences in the prevalence of metabolic syndrome in boys and girls based on various definitions. *ARYA atherosclerosis*. 2013;9(1):70-6.
22. Sarrafzadegan N, Rabiei K, Nouri F, Mohammadifard N, Moattar F, Roohafza H, Javanmard SH, Zarfeshani S, Pourmoghaddas M. Parental perceptions of weight status of their children. *ARYA atherosclerosis*. 2013;9(1):61-9.

23. Ahmadi A, Gharipour M, Nouri F, Kelishadi R, Sadeghi M, Sarrafzadegan N. Association between adolescence obesity and metabolic syndrome: Evidence from Isfahan Healthy Heart Program. *Indian Journal of Endocrinology and Metabolism*. 2014;18(4):569-73.
24. Feizi A, Keshteli AH, Nouri F, Roohafza H, Adibi P. A cross-sectional population-based study on the association of personality traits with anxiety and psychological stress: Joint modeling of mixed outcomes using shared random effects approach. *Journal of Research in Medical Sciences: The Official Journal of Isfahan University of Medical Sciences*. 2014;19(9):834-43.
25. Mohammadifard N, Sarrafzadegan N, Paknahad Z, Nouri F. Inverse association of legume consumption and dyslipidemia: Isfahan Healthy Heart Program. *Journal of clinical lipidology*. 2014;8(6):584-93.
26. Naghnaeian M, Sadeghi M, Golshahi J, Pourmoghaddas A, Nouri F, Yazdekhashti S, Behjati M. Differences between the Characteristics of IHD Patients Undergoing Different Treatment Modalities Who Adhere to Cardiac Rehabilitation Programs. *Official Quarterly Publication of the Iranian Heart Association*. 2014;15(1):32-8.
27. Najafian J, Mohammadifard N, Naeini FF, Nouri F. Relation between usual daily walking time and metabolic syndrome. *Nigerian Medical Journal: Journal of the Nigeria Medical Association*. 2014;55(1):29-33.
28. Sajjadi F, Gharipour M, Mohammadifard N, Nouri F, Maghroun M, Alikhasi H. Relationship between legumes consumption and metabolic syndrome: Findings of the Isfahan Healthy Heart Program. *ARYA atherosclerosis*. 2014;10(1):18-24.
29. Sajjadi F, Mohammadifard N, Maghroun M, Alikhasi H, Nouri F, Iraji F, Ehteshami MS. Occupation effect on behavioral approach of female in relation to cardiovascular disease: Isfahan healthy heart program. *Journal of Research in Behavioural Sciences*. 2014;12(3):416-24. (Persian)
30. Sarrafzadegan N, Rabiei K, Wong F, Roohafza H, Zarfeshani S, Noori F, Grainger-Gasser A. The sustainability of interventions of a community-based trial on children and adolescents' healthy lifestyle. *ARYA atherosclerosis*. 2014;10(2):107-17.
31. Kafeshani O, Sarrafzadegan N, Nouri F, Mohammadifard N. Major dietary patterns in Iranian adolescents: Isfahan healthy heart program, Iran. *ARYA atherosclerosis*. 2015;11(Suppl 1):61-8.
32. Maghroun M, Sajjadi FSM, Nouri F, Shriatifar MM, Noushin, al. e. Salt and Sodium Content in Iranian Breads. *Hakim Research Journal*. 2015;18(3):209-16. (Persian)
33. Sajjadi F, Maghroun M, Sarhanghpour M, Nouri F, Shriatifar M, Mohammadifard N. Assessment of salt and sodium in processed foods, Iran 2011-2013. *Hakim Research Journal*. 2015;18(3):201-8. (Persian)
34. Nouri F, Feizi A, Mohammadifard N, Sarrafzadegan N. Isfahan Healthy Heart Program, sample size and sampling structure: a comprehensive report. *Journal of Isfahan Medical School*. 2016;33(362):2152-66. (Persian)

35. Nouri F, Sarrafzadegan N, Mohammadifard N, Sadeghi M, Mansourian M. Intake of legumes and the risk of cardiovascular disease: frailty modeling of a prospective cohort study in the Iranian middle-aged and older population. *European journal of clinical nutrition*. 2016;70(2):217-21.
36. Bahonar A, Khosravi A, Khorvash F, Maracy M, Oveisgharan S, Mohammadifard N, Saadatnia M, Nouri F, Sarrafzadegan N. Ten-year trend in stroke incidence and its subtypes in Isfahan, Iran during 2003-2013. *Iranian Journal of Neurology*. 2017;16(4):201-9.
37. Gharipour M, Sadeghi M, Nouri F, Nezafati P, Qader SS, Taheri M, Maghroun M, Abdalvand A, Soleimani B, Sarrafzadegan N. Socioeconomic determinants and metabolic syndrome: Results from the Isfahan Healthy Heart Program. *Acta Biomed*. 2017;87(3):291-198.
38. Mohammadifard N, Khaledifar A, Khosravi A, Nouri F, Pourmoghadass A, Feizi A, Esmailzadeh A, Sarrafzadegan N. Dietary sodium and potassium intake and their association with blood pressure in a non-hypertensive Iranian adult population: Isfahan salt study. *Nutrition & Dietetics*. 2017;74(3):275-82.
39. Sarrafzadegan N, Gharipour M, Sadeghi M, Nezafati P, Talaie M, Oveisgharan S, Nouri F, Khosravi A. Metabolic syndrome and the risk of ischemic stroke. *Journal of Stroke and Cerebrovascular Diseases*. 2017;26(2):286-94.
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41. Givi M, Shafie D, Nouri F, Garakyaraghi M, Yadegarfar G, Sarrafzadegan N. Survival rate and predictors of mortality in patients hospitalised with heart failure: a cohort study on the data of Persian registry of cardiovascular disease (PROVE). *Postgraduate medical journal*. 2018;94(1112):318-24.
42. Khosravi A, Behjati M, Dianatkah M, Noori F, Sarrafzadegan N, Nejati M. The effect of parental medical history on the prevalence of cerebrovascular diseases in their children in an Iranian population. *Basic and clinical neuroscience*. 2018;9(5):367-72.
43. Nouri F, Feizi A, Mohammadifard N, Sarrafzadegan N. Methods of sampling and sample size determination of a comprehensive integrated community-based interventional trial: Isfahan Healthy Heart Program. *ARYA atherosclerosis*. 2018;14(2):58-70.
44. Pourmoghadass A, Gharipour M, Garakyaraghi M, Nouri F, Taheri M, Sadeghi M. Association of socioeconomic status and hypertension based on habitual smoking among Iranian population: IHHP study. *Acta Biomedica de l'Ateneo Parmense*. 2018;89(4):498-504.
45. Sajjadi F, Kelishadi R, Ahmadi A, Alikhasi H, Maghroun M, Nouri F, Mohammadifard N. The Effect of Modified Biscuit on Cardiovascular Risk Factors in Children and Adolescents: Randomized Controlled Clinical Trial. *Journal of Health*. 2018;9(4):453-61. (Persian)

46. Eghbali-Babadi M, Feizi A, Khosravi A, Nouri F, Taheri M, Sarrafzadegan N. Development and evaluation of the psychometric properties of a hypertension self-care questionnaire. *ARYA atherosclerosis*. 2019;15(5):241-9.
47. Khosravi A, Mohammadifard N, Gharipour M, Abdollahi Z, Nouri F, Feizi A, Jozan M, Sarrafzadegan N. Low correlation between morning spot and 24-hour urine samples for estimating sodium intake in an Iranian population: Isfahan Salt Study. *International Journal for Vitamin and Nutrition Research*. 2019;89(3-4):185-91.
48. Mohammadifard N, Khosravi A, Salas-Salvadó J, Becerra-Tomás N, Nouri F, Abdollahi Z, Jozan M, Bahonar A, Sarrafzadegan N. Trend of salt intake measured by 24-hour urine collection samples among Iranian adults population between 1998 and 2013: The Isfahan salt study. *Nutrition, Metabolism and Cardiovascular Diseases*. 2019;29(12):1323-9.
49. Najafian J, Nouri F, Mohammadifard N. Association between sleep duration and hypertension: isfahan healthy heart program, Iran. *ARYA atherosclerosis*. 2019;15(1):22-6.
50. Nouri F, Feizi A, Afshar H, Hassanzadeh Keshteli A, Adibi P. How five-factor personality traits affect psychological distress and depression? Results from a large population-based study. *Psychological Studies*. 2019;64(1):59-69.
51. Nouri F, Feizi A, Hassanzadeh Keshteli A, Roohafza H, Afshar H, Adibi P. Personality traits are differently associated with depression and anxiety: evidence from applying bivariate multiple binary logistic regression on a large sample of general adults. *Psychiatria Danubina*. 2019;31(4):448-56.
52. Mohammadifard N, Haghighatdoost F, Nouri F, Khosravi A, Sarrafzadegan N. Is urinary sodium excretion related to anthropometric indicators of adiposity in adults? *Journal of Research in Medical Sciences: The Official Journal of Isfahan University of Medical Sciences*. 2020;25:50 eCollection 2020.
53. Nouri F, Feizi A, Taheri M, Mohammadifard N, Khodarahmi S, Sadeghi M, Sarrafzadegan N. Temporal Trends of the Incidence of Ischemic Heart Disease in Iran Over 15 Years: A Comprehensive Report from a Multi-Centric Hospital-Based Registry. *Clinical Epidemiology*. 2020;12:847-56.
54. Zarepur E, Mohammadifard N, Mansourian M, Roohafza H, Sadeghi M, Khosravi A, Nouri F, Azdaki N, Salehi N, Lotfizadeh M. Rationale, design, and preliminary results of the Iran-premature coronary artery disease study (I-PAD): A multi-center case-control study of different Iranian ethnicities. *ARYA atherosclerosis*. 2020;16(6):295-300.
55. Arsang-Jang S, Mansourian M, Mohammadifard N, Khosravi A, Oveis-Gharan S, Nouri F, Sarrafzadegan N. Temporal trend analysis of stroke and salt intake: a 15-year population-based study. *Nutritional Neuroscience*. 2021;24(5):384-94.
56. Bahrani S, Salmasi M, Sadeghi M, Nouri F, Roohafza H, Soltaninejad F, Teimouri-jervekani Z. QT Interval Changes in Patients Receiving SARS-COV2 Treatments. *Journal of Cardiology & Cardiac Surgery*. 2021;1(1).

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62. Rahimi F, Vakhshoori M, Heidarpour M, Nouri F, Heshmat-Gahdarijani K, Fakhrolmobasheri M, Shafie D. Metolazone Add-On Therapy in Heart Failure: A Cohort Study from Persian Registry of Cardiovascular Disease/Heart Failure (PROVE/HF). *Critical Care Research and Practice*. 2021;2021(2021):3820292.
63. Sadeghi M, Soleimani A, Sarrafzadegan N, Askari M, Nouri F, Masoumi G, Hassannejad R, Roohafza H. Background and design of a 5-year ST Elevation Myocardial Infarction Cohort in Isfahan, Iran: SEMI-CI study. *ARYA atherosclerosis*. 2021;17(3):1-7.
64. Mahmoudi Kohi S, Mohammadifard N, Hassannejad R, Nouri F, Mansourian M, Sarrafzadegan N. Explaining the decline in coronary heart disease mortality rate using IMPACT model: Estimation of the changes in risk factors and treatment uptake in Iran between 2007 and 2016. *ARYA Atherosclerosis Journal*. 2022.
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66. Roohafza H, Sattari N, Nouri F, Talaei M, Masoumi G, Sarrafzadegan N, Sadeghi M. Do any kinds of perceived stressors lead to hypertension? A longitudinal cohort study. *Hypertension Research*. 2022;45(6):1058-66.
67. Sarrafzadegan N, Mohammadifard N, Javanmard SH, Haghighatdoost F, Nouri F, Ahmadian M, Nasirian M, Sayyah M, Najafian J, Shafiei M. Isfahan COVID cohort study: Rationale, methodology, and initial results. *Journal of Research in Medical Sciences*. 2022;27(1):65.

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75. Rikhtehgaran R, Shamsi K, Renani EM, Arab A, Nouri F, Mohammadifard N, et al. Population food intake clusters and cardiovascular disease incidence: a Bayesian quantifying of a prospective population-based cohort study in a low and middle-income country. *Frontiers in Nutrition*. 2023;10.
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