Curriculum Vitae
Dr. Amir Kavousi

Personal Information
Full Name: *Amir Kavousi*
Job Title: Professor of Statistics
Date of birth: 23 September 1970
Nationality: Iranian
Gender: Male
Marital Status: Married, Children: 2 (son)
Office Address:
Department of Epidemiology,
School of Public Health and safety,
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Education:
PhD in Statistics, Tarbiat Modares University, Tehran, Iran, 2007
MSc in Statistics, Tarbiat Modares University, Tehran, Iran, 1999
BSc In Statistics, Shiraz University, Shiraz, Iran, 1996
High School Diploma in Mathematics, Shahindezh, Iran, 1992

Thesis Title:
Bayesian and Empirical Bayes Analysis of Multivariate spatial Lattice Data (February 2008)
Supervisor: Professor Mohammad Reza Meshkani
Advisor: Professor Mohsem Mohammadzadeh

Work Experience

1. The manager of educational and student affairs, School of
   Industrial Health, 2000-2005
2. Head of department of basic sciences, School of Industrial Health, 2002-2010
3. The member of executive team of Iran's 6th International Statistics Conference
4. Head of department of basic sciences, School of Health, Safety and Environment,
   2010-2016
5. Deputy dean for educational and research affairs, School of Health, Safety and
   Environment, Shahid Beheshti University of Medical Sciences, 2009-2014
6. Deputy dean for research affairs, School of Health, Safety and Environment,
   Shahid Beheshti University of Medical Sciences, 2014-2018

Awards and Honors:
1. The first grade of MSc course, Tarbiat Modares University, 1999
2. Distinguished teacher of year in Health and Industrial Safety, 2006
3. Distinguished teacher of year in Shahid Beheshti University of Medical Sciences,
   2009.
4. Distinguished researcher of year in Shahid Beheshti University of Medical
   Sciences, 2013
5. Distinguished teacher of year in Shahid Beheshti University of Medical Sciences,
   2016.

Research Interests:
Spatial Data Analysis
Bayesian Statistics
Statistical Inference

Workshops Presented:
SPSS, AMOS, SEM
Research Methods
Standardization of the questionnaire

Teaching Experience:
Biostatistics
Statistical inference
Engineering Statistics
Advanced Engineering Statistcs
Probability and its application
Research Methods

Papers:
*Corresponding Author
Sefidkar, R., **Kavousi, A**., Torabi, M., Hosseini, S. V., Alaii, H. (2020) Prediction of
Colorectal Cancer Incidence Rate in the Counties of Fars Province, Iran: An
Application of Small Area Estimation, *Internaton Juornal Cancer Managemet*, 13(8).

Momenyan, S. **Kavousi, A.**, Baghfalaki, T., Poorolajal, J. (2020) Bayesian modeling of clustered competing risks survival times with spatial random effects, *Epidemiology Biostatistics and Public Health,* 17(2).

Rahimi Pordanjani, S., **Kavousi, A**., Mirbagheri, B., Shahsavani., A., Etemad., K.(2020) Temporal trend and spatial distribution of acute lymphoblastic leukemia in Iranian children during 2006 -2014: A Mixed Ecological Study, *Epidemiology and Health , 42.*

Rahimi Pordanjani, S., **Kavousi, A.**, Mirbagheri, B., Shahsavani., A., Etemad., K.(2020) Identification of high-risk and low-risk clusters and estimation of the relative risk of acute lymphoblastic leukemia in provinces of Iran during 2006–2014 period: A geo-epidemiological study, *Journal of Research in Medical Sciences,* doi: 10.4103/jrms.JRMS_662_20

Ghodsi, H., Sohrabizadeh, S., Khani Jazani, R**., Kavousi, A**, (2020) Factors Affecting Resiliency Among Volunteers in Disasters: A Systematic Literature Review, *Disaster Medicine and Public Health Preparedness*, doi: 10.1017/dmp.2020.283

Fatehpanah, A., Jahangiri, K., Seyedin, S.H., **Kavousi, A**., Malekinezhad, H. (2020) Water safety in drought: An indigenous knowledge-based qualitative study, *Journal of Water and Health,* 2020, 18(5), pp. 692-703.

Aghaali, M., **Kavousi, A**., Shahsavani, A., Hashemi Nazari, S.S (2020) Performance of Bayesian outbreak detection algorithm in the syndromic surveillance of influenza-like illness in small region, *Transboundary and Emerging Diseases,* 2020, 67(5).

Sohrabizadeh, S., Shabanikiya, H.R., **Kavousi, A.**, Safarpour, H. (2020) Developing a Valid and Reliable Gender Analysis Tool Applied in Disaster Management: A Community-Based Survey, *Disaster Medicine and Public Health Preparedness,*

Kavousi A., Moradi A., Soori H., rahmani K. Environmental factors influencing the distribution of pedestrian traffic accidents in Iran, *Archives of Trauma research*, *9(1), 2020.*

Kavousi, A., Moradi, A., Rahmani, K., Zeini, S., Ameri, P. Geographical distribution of at fault drivers involved in fatal traffic collisions in Tehran, Iran, *Epidemiology and health, 42, 2020.*

Ghodsi, H., Sohrabizadeh, S., Jazani, R.K., **Kavousi, A.** Development and validation of the humanitarian aid workers resilience scale (HAWRS), *Medical Journal of The Islamic Republic of Iran, 33(1), 2019.*

Shariatpanahi, S., Farahani, M.A., Rafii, F., Rassouli, M., **Kavousi, A**. Designing and testing a treatment adherence model based on the roy adaptation model in patients with heart failure: Protocol for a mixed methods study, *Journal of Medical Internet Research, 21(7) 2019.*

Faghihzadeh, E., Alavi-Majd, H., **Kavousi, A.,** (...), Nazari, A., Yadegarfar, M. Difference of brain functional connectivity between regions of interest in patients with Osteoarthritis pain and opposed response to placebo, *Activitas Nervosa Superior Rediviva*, *61(1), 2019.*

Abtahi, M, obaradaran, S, Torabbeigi, M., (...), **Kavousi, A**, Saeedi, R. Health risk of phthalates in water environment: Occurrence in water resources, bottled water, and tap water, and burden of disease from exposure through drinking water in tehran, Iran, *Environmental Research, 173, 2019.*

Jazani, R.K., Seyedmehdi, S.M., **Kavousi, A.,** Tahernezhad Javazm, S. A novel questionnaire to ergonomically assess respirators among health care staff: Development and validation. *Tanaffos, 17(4), 2018.*

Heidari S, **Kavousi**[*]**, A**, Rezaei V. Causal relationship between variables related to breast cancer using bayesian networks, *Iranian Journal of Epidemiology, 14(2), 2018.*

Moradi, A., Rahmani, K., **Kavousi, A.,** (...), Nazari, S.S.H., Soori, H. Human factors influencing the severity of traffic accidents related to pedestrians in Tehran, *Iran Occupational Health , 15(3) 2018.*

Mahaki, B, Mehrabi, Y, **Kavousi, A,** Schmid , V.J. Joint spatio-temporal shared component model with an application in Iran Cancer Data, *Asian Pacific Journal of Cancer Prevention, 19(6), 2018.*

Qasemy R, Saremi M, **Kavousi A**. Relation between maximum aerobic capacity with cognitive ability and academic performance, *Iran Occupational Health, 15(1), 2018.*

Momenyan S, **Kavousi**[*]**, A**, Poorolajal J, et al. Spatial inequalities and predictors of HIV/AIDS mortality risk in Hamadan, Iran: a retrospective cohort study, *Epidemiology and health, 40, 2018.*

Firoozeh, M., Saremi, M., **Kavousi, A**., Maleki, A. Demographic and occupational determinants of the work ability of firemen, *Journal of Occupational Health 59(1), 2017.*

Shahhoseini, S., Borhani, F., Shoorideh, F.A., **Kavousi, A**., Bagheri, H., Almasi-Hashiani, A. Different sources of dignity-related distress in women receiving chemotherapy for breast cancer*, Asian Pacific Journal of Cancer Prevention , 18(11), 2017.*

Moradi, A., Soori, H., **Kavousi, A.,** Eshghabadi, F., Nematollahi, S., Zainni, S. Effective environmental factors on geographical distribution of traffic accidents on pedestrians, downtown Tehran city *International Journal of Critical Illness and Injury Science , 7(2), 2017.*

Seyyed Agha S.H, **Kavousi**[*]**, A***, Baghestani, A.R, Nasehi M. The Study of the Effect of Geographical Pattern on the Improvement of the Patients Infected with Pulmonary Tuberclosis Based on the Parametric Accelerating Break Time Model, The Epidemiology Journal of Iran. 13(3), 2017.*

Firoozeh M, **Kavousi A**, Hasanzadeh S. Evaluation of relationship between occupational exposure to organic solvent and fatigue workers at a paint factory in Saveh city, *Iran Occupational Health, 14(2), 2017.*

Soltani-Kermanshahi, M, Mehrabi, Y, **Kavousi¸ A**, Baghestani, A.R, h Mohammadi-Nasrabadi, F, Aliakbari-Saba R. Households' food expenditures in urban areas of Iran: An application of small area estimation, *Epidemiology Biostutistics and Public Health,* 14(4) 2017.

Marzaleh M, Vosoughi S, **Kavousi A,** et al. Investigating the relation between level of awareness in health, safety and environment management system and its effects on employee safety climate in Kermanshah oil refinery in 2015, *Iran Occupational Health, 14(3), 2017.*

Zagheri Tafreshi, M., Jahandar, P., Rassouli, M., Atashzadeh-Shoorideh, F., **Kavousi, A**. Psychometric properties of the Persian version of spiritual leadership questionnaire (SLQ): A methodological study, *Iranian Red Crescent Medical Journal, 19(7), 2017.*

Tabatabaei, S., Jazani, R.K., **Kavousi, A.,** Medhi, S.M.S., Najafi, Z. Relationship between psychological factors and musculoskeletal pains with demographic variables in hospital staff, *Iran Occupational Health, 14(3), 2017.*

Naderifar, M., Tafreshi, M.Z., Ilkhani, M., **Kavousi, A**. The outcomes of stress exposure in hemodialysis patients, *Journal of Renal Injury Prevention, 6(4) 2017.*

Taheri, F., **Kavousi, A**., Torshizi, Y.F., Farshad, A.A., Saremi, M. Validity and reliability assessment of Persian version of system usability scale for traffic signs, *Iran Occupational Health, 14(1)*, 2017.

Soltani-Kermanshahi, M, Mehrabi, Y, **Kavousi, A**, Baghestani, A.R, Mohammadi-Nasrabadi, F, Aliakbari-Saba, R. Households' food expenditures in urban areas of Iran: An application of small area estimation*, Epidemiology Biostatistics and Public Health, 14(4), 2017.*

Meshkani M., Fallah A., **Kavousi A**. Bayesian analysis of covariance under inverse Gaussian model, *Journal of Applied Statistics, 43(2), 2016.*

Jazani, R.K., Tabatabaei, S., **Kavousi, A.,** Seyedmehdi, S.M., Yaeghoobi, M.M. Ergonomic study of the relationship between job stress and harmful factors in the cement industry, *Iran Occupational Health, 13(2), 2016.*

Ameri M, Safavibayatneed Z, **Kavousi A**. Moral distress of oncology nurses and morally distressing situations in oncology units, *Australian Journal of Advanced Nursing, 33(3), 2016.*

Moradi, A., Soori, H., **Kavousi, A.,** Eshghabadi, F., Jamshidi, E., Zeini, S. Spatial analysis to identify high risk areas for traffic crashes resulting in death of pedestrians in Tehran, *Medical Journal of the Islamic Republic of Iran, 30(1), 2016.*

Jazani R., Miandashti, R., **Kavousi, A.**, Minaei, M. S. The effect of hot and humid weather on the level of mental workload among managers and supervisors on a project of South Pars phases, Iran, *Cognition, Technology and Work , 18(1), 2016.*

Jalalodini, A., Nourian, M., Saatchi, K., **Kavousi, A.,** Ghaljeh, M. The effectiveness of slow-stroke back massage on hospitalization anxiety and physiological parameters in school-age children: A randomized clinical trial study, *Iranian Red Crescent Medical Journal, 18(3), 2016.*

Moradi, A., Soori, H., **Kavousi, A.,** Eshghabadi, F., Jamshidi, E. Spatial Factors Affecting the Frequency of pedestrian Traffic Crashes: A systematic Review. *Archives of Trauma research 5(4), 2016.*

Akbarzadeh Baghban, A., Ahmadi Gorji, S., **Kavousi, A**., Mirzakhani Araghi N. Application of hurdle model with random effects for evaluating the balance improvement in stroke patients, *Medical Journal of the Islamic Republic of Iran 29(1), 2015.*

Gohari, K., Parsaeian, M., Sheidaei, A., Rahimzadeh, S., Baghestani, A. R., Pourhoseingholi, M. A., Pazhuhein, F., Moghaddam, S. S., Mansouri, A., Naderimagham, S., **Kavousi[*], A.,** Farzadfar, F. Equity Chasm in Megacities: Five Leading of Death in Tehran, *Archives of Iranian Medicine Journal, 8(10), 2015.*

Khandan, M., **Kavousi, A.,** Koohpaei, A. Application of Structural Equations Modeling to Assess Relationship among Emotional Intelligence, General Health and Occupational Accidents*, International Journal of Occupational Hygiene, 7(3), 2015.*

Jazani R., Saremi, M., Rezapour, T**., Kavousi, A**., Shirzad, H. Influence of traffic-related noise and air pollution on self-reported fatigue, *International Journal of Occupational Safety and Ergonomics, 21(2), 2015.*

Firoozeh, M., Saremi, M., Maleki, A., **Kavousi, A.** Investigation into maximal aerobic capacity and its associated factors in firefighters, *Iran Occupational Health, 12(3), 2015.*

Kavousi, A., Bashiri, Y., Mehrabi, Y., Etemad, K. Modeling high-risk areas for gastric cancer in men and women, 2005-2009, *Journal of Isfahan Medical School, 33(322), 2015.*

Zayeri, F., **Kavousi[*], A**., Najafimehr, H. Spatial analysis of Relative Risks for skin cancer morbidity and mortality in Iran, 2008-2010, *Asian Pasific Journal of Cancer Prevention, 16(13), 2015. (Corresponding Author)*

Mahaki B, Mehrabi Y, **kavousi A**, Mohammadian, Y, Kargar, M. Applying and comparing empirical and full Bayesian models in study of evaluating relative risk of suicide among counties of Ilam province*, Journal of Educationand Health Promotion, doi: 10.4103/2277-9531.162331, 2015.*

Jabbari, M., Khodaparast, E., Sadri, K., **Kavousi, A.***, Khalou, S. A survey on hazardous materials accidents during road transport in Iran, Iran Occupational Health, 11(5), 2014.*

Meshkani M, Fallah A, **Kavousi[*], A.** Analysis of covariance under inverse Gaussian model, *Journal of Applied Statistics, 41(6), 2014.*

Hamidi, M. **Kavousi, A**. Zaheri, S. Hamadani, A. Mirkazemi, R. Assessment of the noise annoyance among subway train conductors in Tehran, Iran, *Noise and Health, 16(70), 2014.*

Khani Jazani, R., Saremi, M., Rasouli Kahaki, Z., Sanjari, M.A., **Kavousi, A**. Effect of flooring and footrest ondiscomfort in prolonged standing activities, *Iran Occupational Health, 11(3), 2014.*

Kavousi, A., Bashiri, Y., Mehrabi, Y., Etemad, K., teymourpour, A. Identifying high-risk clusters of gastric cancer incidence in Iran, 2004 – 2009, *Asian Pacific Journal of Cancer Prevention , 15(23), 2014.*

Kolagar, K., Zaghari, Tafreshi, M., Rassouli, M., **Kavousi, A.** Psychometric evaluation of the role strain scale: The persian version, *Iranian Red Crescent Medical Journal, 16(10), 2014.*

Asmarian N, Ruzitalab A, **Kavousi A**, Salehi, M. Mahaki. *B.* Area-to-area poisson kriging analysis of mapping of county-level esophageal cancer incidence rates in Iran, *Asian Pacific Journal of Cancer Prevention, 14(1), 2013.*

jazani, R.K., Firoozeh, M., **Kavousi, A.,** Dashti, M., Nazari, J. Evaluating the effects of implementing participatory ergonomics on the quality of workers' life in one of the steel making companies in Iran, *Iran Occupational Health , 10(5), 2013.*

Khandan, A., Maghsoudipor, M., Vosoughi, S., **Kavousi, A**. Safety climate and prediction of ergonomic behavior, *International Journal of Occupational Safety and* Ergonomics, 19(4), 2013.

Kavousi, A., Fallah,A., Meshkani, M.R. Spatial Analysis of Air Pollution in Tehran City by a Bayesian auto- Binomial Model, Journal of *Basic and Applied Scientific Research (JBASR), 3(2), 2013.*

Kavousi, A, Sefidkar, R, Alavi Majd, H, Rashidi, Y, AbolfazliKhonbi, Z. Spatial analysis of CO and PM10 pullutants in Tehran city, *Journal of Paramedical Sciences (JPS), 4(3), 2013.*

Hamidi, M., **Kavousi, A**., Nasiri, P., (...), Kiani, S., Dehghan, H. Study of noise pollution in urban and the suburbs railway company of Tehran in 2010*, Iran Occupational Health, 9(2), 2012.*

Jabbari M, **Kavousi A**. Consequence analysis of flammable chemical releases from a pipeline*, Proceedings - 4th International Joint Conference on Computational Sciences and Optimization, CSO 2011, 2011.*

Mahaki B, Mehrabi Y, **kavousi A**, Akbari M.E, Waldhoer T, Schmid V.J and Yaseri M. Multivariate disease mapping of seven prevalent cancers in Iran using a shared component model, *Asian Pacific Journal of Cancer Prevention , 12(9), 2011.*

Kavousi A, Meshkani M, Mohammadzadeh M, Spatial analysis of auto-multivariate lattice data, *Statistical Papers, 52(4), 2011.*

Vaziri, M. H., Sedighi, M. A., **Kavousi**, A., Firoozeh, M., Jazani Khani,R., Vosoughi,A., Mohseni, H., Baghery Lankarani, N., Azizi, M., Salman, Yzdi, R. The relationship between occupation and semen quality, *International Journal of Fertility and Sterility, 5(2), 2011.*

Kavousi, A., Meshkani, M. R. Spatial Analysis of Humidity and Temperature of Iran, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in *Bioinformatics), ICCSA/2009. Vol. 5592, PP. 94-106, 2009.*

Kavousi, A., Meshkani, M. R. and Mohammadzadeh, M. Spatial Analysis of Relative Risk of Lip Cancer in Iran: A Bayesian Approach, *Environmetrics, 20(4), 2009.*

Kavousi A., Meshkani M.R. Distribution and spatial analysis of precipitation map in Iran, *Journal of Environmental Studies, 33(43), 2007.*