

CURRICULUM VITAE

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ASSISTANT PROFESSOR OF BIOSTATISTICS

DEPARTMENT OF STATISTICS AND EPIDEMIOLOGY, FACULTY OF HEALTH, TABRIZ

UNIVERSITY OF MEDICAL SCIENCES, TABRIZ, IRAN (2017-PRESENT)

CONTACT INFORMATION

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LANGUAGES	Turkish (Azeri)	Mother tongue
	Turkish (Turkiye)	Upper-intermediate
	Persian (Farsi)	Native
	English	Writing (advanced)- Reading (advanced)- listening (upper-intermediate)
	French	Beginner

COMPUTER SKILLS	General purpose software	Microsoft office (Word- Powerpoint- Excel)
	Programming language	Python
	Statistical software	R, OpenBUGS, Stan, Stata, SPSS, SAS, GPower, NCSS, PASS, MedCalc, Minitab, GraphPad Prism, AMOS, Com. Meta Anal., RevMan
	Reference manager	EndNote, Mendeley

EDUCATION	(2012–2017)	PhD. degree, Biostatistics, Isfahan University of Medical Sciences, Isfahan, Iran. Dissertation title: Bayesian Joint Modeling of Longitudinal Continuous Non-normal Outcomes and Survival Data with an Application in Medical Data.
	(2007-2011)	MSc. degree, Biostatistics, Tarbiat Modares University, Tehran, Iran. Thesis title: Selecting Marker-Genes by Hybridization of Gene Ranking and Clustering.
	(2001-2005)	BSc. degree, Statistics, University of Tabriz, Tabriz, Iran.

AWARDS & GRANTS	(2007) Ranked 1 in MSc qualification exam by the Iranian Ministry of Science, Research and Technology.
RESEARCH INTERESTS	- Longitudinal data modeling - Survival analysis - Correlated data analysis and joint models - Disease mapping and spatial data analysis - Bioinformatics - Data mining and machine learning methods - Bayesian statistics - Structural equation modeling
TEACHING SERVICE	Teaching Biostatistics, Research Methodology, and statistical software at the Isfahan and Tabriz University of Medical Sciences (2012-present) for undergraduate and graduate medical students of various fields including Biostatistics, Epidemiology, Nutrition, Nursing, Health Informatics, Medicine, Health Education, Occupational Health Engineering, Odontology, Health Services Management, Anesthesiology, and Pharmacology.
WORKSHOPS	- Data Analysis by SPSS software; introductory level. Isfahan University of Medical Sciences - Introduction to Case-Crossover Design and Analysis. Isfahan University of Medical Sciences - Introduction to GraphPad Prism software
SERVED AS	Peer reviewer for: 1- Journal of Research in Medical Sciences (ISSN: 1735-1995) 2- Scientific Journal of Kurdistan University of Medical Sciences (ISSN: 1560-652x) 3- Current HIV Research (ISSN: 1570-162X) 4- Health Promotion Perspectives (eISSN: 2228-6497) 5- Medicine (ISSN: 0025-7974) 6- Journal of Translational Medicine (ISSN: 1479-5876) 7- Annals of Saudi Medicine (ISSN: 0975-4466) 8- Stochastic Environmental Research and Risk Assessment (ISSN: 1436-3240) 9- International Journal of Preventive Medicine (ISSN: 2008-7802) 10- Quarterly Journal of the Sabzevar University of Medical Sciences (ISSN: 1606-7487)
PUBLICATIONS	
BOOKS	(2015) Translation to Persian: Analysis of Receiver Operating Characteristic Curves with SAS. Mithat Gönen. 2007. By: Tohid Jafari-Koshki , Arsang-Jang S, Yazdi M.
ARTICLES IN PEER-REVIEWED	WEB OF SCIENCE (SCI-EXPANDED / EMERGING) 46- Afghan R, Heysieattalab S, Soltani Zangbar H, Ebrahimi-kalan A, Tohid Jafari-Koshki, Samadzadehaghdam N. Lavender essential oil inhalation improves attentional shifting and accuracy: Evidence from dynamic changes of cognitive flexibility and power spectral density of EEG signals. <i>J Med Sign Sens</i>, 2024. https://doi.org/10.4103/jmss.jmss_42_22

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<https://doi.org/10.1186/s12885-024-12180-2>
- 44- Dehghan G, Malekpour F, **Jafari-Koshki Tohid**, Mohammadian Y, Rostami H. The status of work-related COVID-19 prevention measures and risk factors in hospitals. *Work*, 2024. 77(2): 445-45.
<https://doi.org/10.3233/WOR-230006>
- 43- Abbasi M, Oshaghi MA, Sedaghat MM, Hazratian T, Rahimi Foroushani A, **Jafari-Koshki Tohid**, et al. Development of a degree-day model to predict growth of *Anopheles stephensi* Liston (Diptera: Culicidae): implication for vector control management. *Environment Entomol*, 2023. 52(6), 1126–1138.
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- 42- Karimi A, **Jafari-Koshki Tohid**, Zehtabi M, Kargar F, Gheit T. Predictive impact of human papillomavirus circulating tumor DNA in treatment response monitoring of HPV-associated cancers; a meta-analysis on recurrent event endpoints. *Cancer Med*. 2023. 12:17592–602.
<https://doi.org/10.1002/cam4.6377>
- 41- Gholamzadeh R, Chegini Z, Partovi Y, Behforouz A, **Jafari-Koshki Tohid**. Relationship between self-care and Physician-Patient Relations in Patients with Heart Failure. *Health Scope*. 2023. 12(2):e131198.
<https://doi.org/10.5812/jhealthscope-131198>
- 40- Partovi Y, Farahbakhsh M, Sadegh-Tabrizi J, Gholipour K, Kousha A, Sharbafi J, **Jafari-Koshki Tohid**, Wilson A. Sustainability of Non-communicable Disease Prevention and Control Programs in Iran: A Mixed-methods Study from Managers' Perspective. *Health Scope*. 2023. 12(2):e133824.
<https://doi.org/10.5812/jhealthscope-133824>
- 39- Amouei A, Mizani A, Hanafi-Bojd AA, **Jafari-Koshki Tohid**, Sarvi S, Aghayan SA, Amuei F. Global epidemiology and spatial distribution of *Toxoplasma gondii* in goats: Protocol for a systematic review and Bayesian hierarchical meta-analysis. *PLoS ONE*. 2023. 18(12): e0290012.
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- 38- Mansourian M, Bazrafshan R, Malakooti Z, **Jafari-Koshki Tohid**, Vaseghi G. Determinants of quality of life in breast cancer: meta-analytic structural equation modeling of studies. *European Journal of Cancer Care*. 2023. 8302610.
<https://doi.org/10.1155/2023/8302610>
- 37- Taghizadeh S, Alesaeidi S, Jafari-Koshki Tohid, Valizadeh-Otaghsara SM, Poursheikhali A, Zahiri Tousi A, Abbasalizad Farhangi M. Trend Impact Analysis (TIA) of community based futures study for pediatric obesity in Iran. *BMC Pediatrics*. 2023. 23:66.
<https://doi.org/10.1186/s12887-023-03880-y>
- 36- Kohansal MH, Barzgar G, Ahmadpour E, Mehrani S, **Jafari-Koshki Tohid**, Barac A, Nissapatorn V, Paul A, Micic J. Seroprevalence and risk factors of *Toxoplasma gondii* infection among pregnant women: *Toxoplasma gondii* infection among pregnant women. *J Infect Dev Ctries* 2024, 18(1):60-65.
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- 35- Imani A, Mesbahi A, **Jafari-Koshki Tohid**, Eghdam Zamiri R, Nasiri Motlagh B. Evaluation of the Radiobiological Models predicting the Radiation-Induced Hypothyroidism in the Partially Irradiated Thyroid Gland of Patients with Breast Cancer. *Int J Cancer manag*. 2022.15(4):e119445.
<http://doi.org/10.5812/ijcm-119445>
- 34- Alizade-Harakiyan M, Ghasemi Jangjoo A, **Jafari-Koshki Tohid**, Mesbahi A. Radiobiological modeling of acute esophagitis after radiation therapy of head, neck and thorax tumors: The influence of chemo-radiation. *J Cancer Res Therapeutics* 2022. 18(6):1706-1715.

- 33- Firooznia R, Dargahi H, **Jafari-Koshki Tohid**, Khaledian Z. Developing an evaluation model for maternity care: a mixed-method study from Iran. *Iran J Public Health*. **2022**. 15(1):160-171.
- 32- Chegini Z, Kakemam E, Behforoz A, Lotfollah-zadeh F, **Jafari-Koshki Tohid**, Khodayari Zarnag R. Impact of patient communication preferences on the patient trust in physicians: A cross-sectional study in Iranian outpatient's clinics *J Patient Experience*. **2022**. 9:1-8.
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- 31- Khosravi A, Rajabi HR, Vakhshoori M, Rabiei K, Hosseini S, Mansouri A, Roghani-Dehkordi F, Najafian J, Rahimi M, **Jafari-Koshki Tohid**, Sadeghian B, Shishehforoush M, Lahijanzadeh A, Taheri M, Sarrafzadegan N. Association between ambient fine particulate matter with blood pressure levels among Iranian individuals admitted for cardiac and respiratory diseases: Data from CAPACITY study. *ARYA Atheroscler* **2020**, 16(4): 178-184.
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- 30- Abbasi M, **Jafari-Koshki Tohid**, Hanafi-Bojd A. The impact of climatic variables on the population dynamics of the main malaria vector, *Anopheles stephensi* Liston (Diptera: Culicidae) in southern Iran. *Asian Pac J Trop Med*. **2020**. 13(10): 448-455.
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- 29- Iraj Z, Asghari Jafarabadi M, **Jafari-Koshki Tohid**, Dolatkhan R. A conditional probability model to predict the mortality in patients with breast cancer: a Bayesian network analysis. *Am J Med Sci*. **2020**, 360(5):575-580.
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- 28- Chegini Z, **Jafari-Koshki Tohid**, Kheiri M, Aliari S, Behforuz A. Missed Nursing Care and Related Factors in Iranian Hospitals: A Cross Sectional Survey. *J Nurs Manag*. **2020**, 28(8): 2205-2215.
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- 27- Iraj Z, **Jafari-Koshki Tohid**, Dolatkhan R, Asghari Jafarabadi M. Parametric Survival Modeling to Identify Predictors of Breast Cancer Mortality: An Accelerated Failure Time Approach. *J Res Med Sci*. **2020**, 25: 38.
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- 25- Mansourian M, Yazdani A, Faghihimani E, Aminorraya A, Amini M, **Jafari-Koshki Tohid** (Corr. Author). Factors associated with progression to pre-diabetes: a recurrent events analysis. *Eat Weight Disord*. **2020**. **25(1): 135-141**.
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- 24- Moein N, Garakyaraghi M, Shafie D, Rabiei K, Hosseini SM, **Jafari-Koshki Tohid**, Rahimi M, Sadeghian B, Givi M, Sarrafzadegan N. The association between particulate matter 2.5 and hospitalization and mortality rates of heart failure: The CAPACITY study. *Arya Atheroscler*. **2019**, 15(6): 253-259.
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- 23- Mansourian M, Babahajiani M, **Jafari-Koshki Tohid** (Corr. Author), Roohafza H, Sadeghi M, Sarrafzadegan N. Metabolic syndrome components and long-term incidence of cardiovascular disease in Eastern Mediterranean Region: A 13-year population-based cohort study. *Metab Syndr Rel Disorder*. **2019**, 17(7): 632-366.
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- 21- Afshari-Safavi A, Hosseini SM, Sadeghi M, **Jafari-Koshki Tohid**, Talaei M, Roohafza H, Sarrafzadegan N. Longitudinal Assessment of Utility and Cut Points of Lipid Ratios in Metabolic Syndrome Prediction: the Isfahan Cohort Study. *J Biochem Technol.* **2019**, 2: 56-62.
- 20- Davoodabadi Z, Soleimani A, Pourmoghaddas A, Hosseini SM, **Jafari-Koshki Tohid**, Mojtaba Rahimi, et al. Correlation between air pollution and hospitalization due to myocardial infarction. *ARYA Atheroscler.* **2019**, 15(4): 161-167.
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- 19- Saifipour A, Azhari A, Pourmoghaddas A, Hosseini SM, **Jafari-Koshki Tohid**, Rahimi M, Nasri A, et al. Association between ambient air pollution and hospitalization caused by atrial fibrillation. *ARYA Atheroscler.* **2019**, 15(3): 106-112.
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- 18- Mansourian M, Sadeghpour S, Aminorroaya A, Amini M, **Jafari-Koshki Tohid** (Corr. Author). Cause-Specific Risk Factors of Death in Individuals with Diabetes: a Competing Risks Modeling. *Int J Endocrinol Metabol.* **2019**, 17(3): e69419.
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- 17- Rastaghi S, **Jafari-Koshki Tohid**, Mahaki B, Bashiri Y, Mehrabani K, Soleimani A. Trends and risk factors of gastric cancer in Iran (2005-2010). *Int J Prev Med.* **2019**, 10: 79.
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- 16- Abdolmohammadi K, Mahmoudi T, **Jafari-Koshki Tohid**, Mohammad Hasan Z, Pourfathollah AA. Immunomodulatory Effects of Blood Transfusion on Tumor Size, Metastasis, and Survival in Experimental Fibrosarcoma. *Indian J Hematol Blood Trans.* **2018**, 34(4): 697-702.
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- 15- Eshagh-Hosseini S, **Jafari-Koshki Tohid**, Arsang-Jang S, Shapouri J. Endocrinopathy complications and the role of serum ferritin as a marker of endocrinopathy prediction in patients with beta-thalassemia major. *Adv Human Biol.* **2018**, 8: 169-174.
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- 14- Rohani H, Sadeghi E, Eslami A, Raei M, **Jafari-Koshki Tohid**. Predictors of Physical Activity among Adults with Type 2 Diabetes Mellitus, Isfahan, 2015: Structural Equation Modeling Approach. *Int J Prev Med.* **2018**, 9: 66.
http://doi.org/10.4103/ijpvm.IJPVM_394_16
- 13- **Jafari-Koshki Tohid**, Arsang-Jang S, Aminorroaya A, Mansourian M, Amini M. Risk modeling in prospective diabetes studies: association and predictive value of anthropometrics. *Diabetes Metab Syndr Clin Res Rev* **2018**, 12(4): 563-567.
<http://doi.org/10.1016/j.dsx.2018.03.027>
- 12- Kelishadi R, Heidari Z, Kazemi I, **Jafari-Koshki Tohid**, Mansourian M, Motlagh ME, Heshmat R. A hierarchical Bayesian tri-variate analysis on factors associated with anthropometric measures in a large sample of children and adolescents: the CASPIAN-IV Study. *J Pediatr Endocrinol Metab.* **2018**, 31(4):443-449.
<http://doi.org/10.1515/jpem-2017-2013>
- 11- Mokhtari F, Bostakian A, Shahmoradi Z, **Jafari-Koshki Tohid**, Iraj F, Faghihi G, Hosseini SM, Bafandeh B. Potential emerging treatment in vitiligo using Er:YAG in combination with 5FU and clobetasol. *J Cosmet Dermatol.* **2018**, 17(2):165-170.
<http://doi.org/10.1111/jocd.12373>

- 10- Rabiei K, Hosseini SM, Sadeghi E, **Jafari-Koshki Tohid**, Rahimi M, et al. Air pollution and cardiovascular and respiratory disease: Rational and methodology of CAPACITY study. *ARYA Atheroscler*. **2017**, 13(6): 264-273.
- 9- Mokhtari F, Gholami M, Siadat AH, **Jafari-Koshki Tohid**, Faghihi G, Nilforoushzadeh MA, Hosseini SM, Abtahi-Naeini B. Efficacy of intense pulsed light therapy with topical benzoyl peroxide 5% versus benzoyl peroxide 5% in mild-to-moderate acne vulgaris: a randomized controlled trial. *J Res Pharm Pract*. **2017**, 6: 199-205.
http://doi.org/10.4103/jrpp.JRPP_17_29
- 8- Arsang-Jang S, Mansourian M, Amani F, **Jafari-Koshki Tohid**. Epidemiologic Trend of Smear-Positive, Smear-Negative, Extra Pulmonary and Relapse of Tuberculosis in Iran (2001-2015); A Repeated Cross-Sectional Study. *J Res Health Sci*. **2017**, 17(2): e00380.
- 7- **Jafari-Koshki Tohid**, Arsang-Jang S, Mahaki B. Bladder cancer in Iran, 2004-2008: geographical distribution and risk factors. *Iran J Cancer Prev*. **2017**, 10 (2): e5610.
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- 6- **Jafari-Koshki Tohid**, Mansourian M, Hosseini SM, Amini M. Association of waist and hip circumference, and waist-hip ratio with diabetes risk in first-degree relatives. *J Diabetes Complicat*. **2016**, 30: 1050-1055.
<http://doi.org/10.1016/j.jdiacomp.2016.05.003>
- 5- Eshagh-Hoseini SK, Arsang-Jang S, **Jafari-Koshki Tohid**. Comparing the Outcomes of IVIg with Combination of IVIg and Methylprednisolone in Children with Acute Idiopathic Thrombocytopenia: a Bayesian Logistic Approach. *Int J Pediat*. **2016**, 4(7): 2221-2228.
<http://doi.org/10.22038/ijp.2016.7096>
- 4- **Jafari-Koshki Tohid**, Hosseini SM, Arsang-Jang S, Amini M, Faghihimani E. Trends of Diabetic Nephropathy prevalence in Isfahan, Iran, during 1992-2010. *J Res Med Sci*. **2015**, 20: 944-949.
- 3- **Jafari-Koshki Tohid**, Arsang-Jang S; Raei M. Applying spatiotemporal models to study risk of smear-positive tuberculosis in Iran, 2001-2012. *Int J Tuberc Lung Dis*. **2014**, 19(4):469–474.
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- 2- **Jafari-Koshki Tohid**, Mansourian M, Mokarian F. Exploring Factors Related to Metastasis Free Survival in Breast Cancer Patients Using Bayesian Cure Models. *Asian Pac J Cancer Prev*. **2014**, 15 (22): 9673-9678.
<http://doi.org/10.7314/APJCP.2014.15.22.9673>
- 1- **Jafari-Koshki Tohid**, Schmid VJ, Mahaki B. Trends of Breast Cancer Incidence in Iran During 2004-2008: A Bayesian Space-Time Model. *Asian Pac J Cancer Prev*, **2014**, 15 (4): 1557-1561.
<http://doi.org/10.7314/APJCP.2014.15.4.1557>

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- 17- Khedrizeh G, **Jafari Koshki Tohid**, Dolatkah R, Mousavi S. Survival Rate Estimation in Patients with Colorectal Cancer by applying Fuzzy Product Limit Estimator. *J Biostat Epidemiol*. **2023**;9(1):11-19.
- 16- Sadeghi-Bazargani H, Malekpoura F, Mohammadian Y, **Jafari-Koshki Tohid**, Rezapur-Shahkolai F, Khansari M, Malekpourgy A, Maleki Marzroud M. Seat belt use among rural non-drivers: the role of demographic and traffic-related variables. *J Inj Violence Res*, **2024**, In Press.
- 15- Gholamzadeh R, Nikbakht H, Partovi Y, **Jafari-Koshki Tohid**. Effects of social and economic factors on the attitudes of diabetic patients towards self-care behaviors in Iran. *Ther Patient Educ*, **2021**, 13(2):20206.
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- 14- Karimi M, **Jafari-Koshki Tohid**, Dabaghi J. Analysis of the effect of anomic situation of Iranian society on peace indexes of the state (At the horizon of 2021). *Geopolitics Quart.* **2021**, 18(2):225-255.
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- 13- Khedrizedeh G, **Jafari-Koshki Tohid**, Musavi S. Trends of street fights/quarrels in Iran 2013-2018: A Bayesian spatiotemporal perspective. *Shiraz E-Medical J*, **2022**, 23(4):e117405.
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- 12- Alizade-harakiyan M, Ghasemi Jangjoo A, Nasiri B, **Jafari-Koshki Tohid**, Okutan M, Mesbahi A. Radiobiological Modeling of Acute Esophagitis Following Radiotherapy of Thorax and Head-Neck Tumors: A Comparison of Lyman Kutcher Burman with Equivalent Uniform Dose-Based Models. *Iran J Med Physics.* **2020**, 17(4): 225-234.
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- 10- Moghadasi J, Shafie D, Hosseini SM, **Jafari-Koshki Tohid**, et al. The Relationship between Air Pollution and Hospitalization due to Heart Failure. *J Isfahan Med School*, **2019**, 37 (546): 1143-1148.
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- 9- Ansari H, Farajzadegan Z, Al-Dirani S, Heidari K, Omid R, Amini Z, **Jafari-Koshki Tohid**. Attitude of Isfahan high school students towards addictive substance use and its association with social determinants of health. *J Isfahan Med School*, **2018**, 36(479): 494-501.
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ABSTRACTS (ORAL PRESENTATIONS / POSTERS)

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