

CURRICULUM VITAE

Aug, 2018



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CONTACT INFORMATION

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EDUCATION

Feb 2012 – Feb 2017	Ph.D., 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.
Sep 2007 – Jun 2011	MSc, Biostatistics, Tarbiat Modares University, Tehran, Iran. Thesis title: Selecting Marker-Genes by Hybridization of Gene Ranking and Clustering.
Feb 2001 – Feb 2005	BSc, Statistics, University of Tabriz, Tabriz, Iran.

AWARDS & GRANTS

Feb 2007	Ranked 1 in MSc qualification exam by the Iranian Ministry of Science, Research and Technology.
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RESEARCH INTERESTS

- Modeling longitudinal data
- Survival analysis
- Correlated data and joint models
- Disease mapping and spatial data modeling
- 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 Nutrition, Nursing, Health Informatics, Medicine, Health Education, Occupational Health Engineering, Odontology, Health Services Management, Anesthesiology, and Pharmacology.

WORKSHOPS	2014	Data Analysis by SPSS software; introductory level. Isfahan University of Medical Sciences.
	2014	Introduction to Case-Crossover Design and Analysis. Isfahan University of Medical Sciences.
PROJECT EXECUTOR/ SUPERVISOR/ ADVISOR	Ongoing	17- Firooznia R. Designing and developing new evaluation model for maternity health program in Iran. Islamic Azad University, Semnan Branch.
	Ongoing	16- Maleki M. The effect of mobile phone electromagnetic emissions on behavioral audiometry results. Tabriz University of Medical Sciences.
	Ongoing	15- Asbaghi F. Patient's willingness to involvement in patient safety behaviors and provide a suitable strategy in Imam Reza hospital in Tabriz, 2018. Shahid Sadoughi University of Medical Sciences.
	Ongoing	14- Garebaghlu S. Studying association between 10-year risk of cardiovascular events above 30% and behavioral change: One-year monitoring of IRAPEN program in Ahar county. Tabriz University of Medical Sciences.
	Ongoing	13- Ahmadzadeh M. Adaptability of the urban transportation routes and health care facilities with the WHO's standards of age friendly environments in the city of Meshkinshahr. Tabriz University of Medical Sciences.
	Ongoing	12- Ahmadvand H. Study of the relationship between health information literacy on self-efficacy and self-care in patients with heart attack. Tabriz University of Medical Sciences.
	Ongoing	11- Study of the relationship between health information literacy on self-efficacy and self-care in patients with heart attack. Tabriz University of Medical Sciences.
	Ongoing	10- Adaptability of the urban transportation routes and health care facilities with the WHO's standards of age friendly environments in the city of Meshkinshahr. Tabriz University of Medical Sciences.
	Ongoing	9- Exploring incidence of secondary diabetes complications and related risk factors using joint modeling of longitudinal and time-to-event data. Tabriz University of Medical Sciences.
	2017	8- Air pollution impacts on respiratory and cardiovascular emergency visits (CAPACITY). Isfahan University of Medical Sciences.
	2016	7- Assessing trends and risk factors of bladder cancer in Iran 2006-2009 using Bayesian models. Qom University of Medical Sciences.
	2015	6- Evaluating trends of tuberculosis incidence in Iran 2001-2012 using spatio-temporal models. Qom University of Medical Sciences.
	2015	5- Haddad-Khoshkar A. Applying and comparing Bayesian Spatial Ecological regression models in assessing incidence of prevalent cancers and related risk factors in Iran at county levels from 2005-2008. Isfahan University of Medical Sciences.

- 2015 4- Rastaghi S. Application of Bayesian multilevel models in mapping of incidence of prevalent cancers of gastrointestinal tract in counties and provinces of Iran 2005-2008. Isfahan University of Medical Sciences.
- 2013 3- Exploring factors affecting metastasis-free survival of breast cancer patients using Bayesian cure models. Isfahan University of Medical Sciences.
- 2013 2- Trend analysis of the prevalence of kidney complications in type 2 diabetes patients of Sedigheh-Tahereh metabolism and endocrine research center 1992-2010 using piecewise regression. Isfahan University of Medical Sciences.
- 2010 1- Evaluation of cellular and humoral immunity system in IR Iran pilots. AJA University of Medical Sciences.

EDITORIAL MEMBER OF	2017-present	Journal of Current Updates in Endocrinology and Diabetes
	2017-present	Journal of EC Orthopaedics

SERVED AS PEER REVIEWER FOR	-	Medicine (ISSN: 0025-7974)
	-	Journal of Translational Medicine (ISSN: 1479-5876)
	-	Annals of Saudi Medicine (ISSN: 0975-4466)
	-	Stochastic Environmental Research and Risk Assessment (ISSN: 1436-3240)
	-	International Journal of Preventive Medicine (IJPM) (ISSN: 2008-7802)
	-	Quarterly Journal of the Sabzevar University of Medical Sciences (ISSN: 1606-7487) (in Persian)

PUBLICATIONS

BOOKS	2015	Translation to Persian: Analysis of Receiver Operating Characteristic Curves with SAS. Mithat Gonen. 2007. By: Jafari-Koshki Tohid , Arsang-Jang S, Yazdi M.
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ARTICLES IN PEER- REVIEWED JOURNALS	INDEXED IN WEB OF SCIENCE (SCI EXPANDED / EMERGING)	
	19-	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. <i>Adv Human Biol.</i> 2018, 8. http://doi.org/10.4103/aihb.aihb_18_18
	18-	Rastaghi S, Jafari-Koshki Tohid , Mahaki B, Bashiri Y, Mehrabani K, Soleimani A. Trends and risk factors of gastric cancer in Iran (2005-2010). <i>Int J Prev Med.</i> 2018 (<i>accepted</i>).
	17-	Mansourian M, Yazdani A, Faghihimani E, Aminorroaya A, Amini M, Jafari-Koshki Tohid (Corr. Auth). Factors associated with progression to pre-diabetes: a recurrent events analysis. <i>Eat Weight Disord.</i> 2018. https://doi.org/10.1007/s40519-018-0529-7

- 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.* <http://doi.org/10.1007/s12288-018-0962-9>
- 15- 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
- 14- **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>
- 13- 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>
- 12- 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>
- 11- 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.* **2107**, 13(6): 264-273.
- 10- 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
- 9- 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.
- 8- **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. <http://doi.org/10.5812/ijcp.5610>
- 7- Rastaghi S, **Jafari-Koshki Tohid**, Mahaki B, Bashiri Y, Mehrabani K, Soleimani A. Gastric cancer in Iran 2005-2010: trends and risk factors. *Arch Iran Med.* **2017**, 20(1): S90. (ABSTRACT presented at International Congress on Cancer Prevention & Early Detection Integration of Research & Action, Tehran, 2017).
- 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 Pediatr.* **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. <http://doi.org/10.5588/ijtld.14.0459>

- 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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- 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. <http://doi.org/10.22122/jims.v36i479.9895>
- 8- Asmarian N, **Jafari-Koshki Tohid**, Soleimani A, Ayatollahi SMT. Area-to-Area Poisson Kriging and Spatial Bayesian Analysis in Mapping of Gastric Cancer Incidence in Iran. *Asian Pac J Cancer Prev*, **2016**, 17 (10), 4587-4590. <http://doi.org/10.7314/APJCP.2016.17.10.4587>
- 7- Rohani H, Eslami AA, Ghaderi A, **Jafari-Koshki Tohid**, Sadeghi E, Bidkhorji M, Raei M. Validation and psychometric evaluation of physical activity belief scale among patients with type 2 diabetes mellitus: an application of health action process approach. *Health Promot Perspect*, **2016**, 6(2): 71-79. <http://doi.org/10.15171/hpp.2016.13>
- 6- Abbasian M, Chaman R, Amiri M, Ajami ME, **Jafari-Koshki Tohid**, Rohani H, Taghavi-Shahri SM, Sadeghi E, Raei M. Vitamin D Deficiency in Pregnant Women and their Neonates. *Glob J Health Sci*, **2015**, 8(9): 83-90. <http://doi.org/10.5539/gjhs.v8n9p83>
- 5- Iraj F, Farhadi S, Faghihi G, Mokhtari F, Basiri A, **Jafari-Koshki Tohid**, Nilforoushzadeh MA. Efficacy of topical azathioprine and betamethasone versus betamethasone-only emollient cream in 2-18 years old patients with moderate-to-severe atopic dermatitis: A randomized controlled trial. *Adv Biomed Res*, 2015, (4): 228. <http://doi.org/10.4103/2277-9175.166651>
- 4- Rastaghi S, **Jafari-Koshki Tohid**, Mahaki B. Application of Bayesian Multilevel Space-Time Models to Study Relative Risk of Esophageal Cancer in Iran 2005-2007 at a County Level. *Asian Pac J Cancer Prev*, **2015**, 16 (14): 5787-5792. <http://doi.org/10.7314/APJCP.2015.16.14.5787>
- 3- Haddad-Khoshkar A, **Jafari-Koshki Tohid**, Mahaki B. Investigating the incidence of prostate cancer in Iran 2005 -2008 using Bayesian spatial ecological regression models. *Asian Pac J Cancer Prev*, **2015**, 16 (14): 5917-5921. <http://doi.org/10.7314/APJCP.2015.16.14.5917>
- 2- Haddad-Khoshkar A, **Jafari-Koshki Tohid**, Mahaki B. Comparison of Bayesian Spatial Ecological Regression Models for Investigating the Incidence of Breast Cancer in Iran, 2005-2008. *Asian Pac J Cancer Prev*, **2015**, 16 (14): 5669-5673. <http://doi.org/10.7314/APJCP.2015.16.14.5669>
- 1- **Jafari-Koshki Tohid**, Hajizadeh E, Karimi M. A Comparison of Selective Classification Methods in DNA Microarray Data of Cancer: Some Recommendations for Application in Health Promotion. *Health Promot Perspect*, **2013**, 3(1): 129-134. <http://doi.org/10.5681/hpp.2013.015>

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- 8- Arsang-Jang S, **Jafari-Koshki Tohid**, Afshari A, Mansourian M. Prevalence and related factors of disability, falling and self-medication in elderly in central regions of Iran, 2017. (*submitted*)
 - 7- Iravani SH, Naimi A, **Jafari-Koshki Tohid**, Azimzadeh P, Nejati-Koshki K, Solali S. Association of Helicobacter pylori infection with the ABO and Rh blood groups in military students and soldiers. *Iran South Med J*, **2017**, 20 (3): 308-316.
 - 6- Arsang-Jang S, Amani F, **Jafari-Koshki Tohid**, Mozafariyanpour E, Kaffash KJ, et al. The Level of Availability and Use of Oral and Dental Health Services in 6-7 Years Old Children, Qom, Iran. *Qom Univer Med Sci J*, **2015**, 9 (4): 55-63.
 - 5- Rohani H, Eslami AA, **Jafari-Koshki Tohid**, Raei M, Abrishamkarzadeh M. The factors affecting the burden of care of informal caregivers of the elderly in Tehran. *J Kermanshah Univ Med Sci*, **2015**, 18 (12): 726-733.
 - 4- Rastaghi S, **Jafari-Koshki Tohid**, Mahaki B, Bashiri Y. The Study of Relative Incidence Risk of Esophageal Cancer in Iranian Counties by the Use of the Bayesian Space-Time Multilevel Model. *J Health Syst Res*, **2015**, 11(4): 769-774.
 - 3- Haddad Khoshkar A, **Jafari-Koshki Tohid**, Mahaki B. A Comparative Study on Ecological Regression Models in Breast Cancer Risk in Iran, 2005- 2008. *J Health Syst Res*, **2015**, 11 (3): 641-654.
 - 2- Rohani H, Eslami AA, Raei M, **Jafari-Koshki Tohid**, Ghaderi A. Evaluation of Health Action Process Approach in Explaining Healthy Diet among the Patients with Type 2 Diabetes. *Qom Univer Med Sci J* 9 (7), 55-64.
 - 1- Hosseini SM, **Jafari-Koshki Tohid** (Corr. Auth.), Amini M, Faghihimani E. The assessment of downward Trend in Diabetic Nephropathy prevalence among Diabetic mellitus patients using Piecewise regression during 1992-2010 in Isfahan, Iran. *Quarterly J Sabzevar Univer Med Sci* 22 (3), 368-376.

ABSTRACTS

- 4- Ghasemi H, Rezakhah S, **Jafari-Koshki Tohid**. Estimation of Periodic Parameters by Fourier Series. 10th Iranian Statistical Conference. 2010.
- 3- **Jafari-Koshki Tohid**, Hajizadeh E, Mota A, Shahdoost M. Combining Classification and Clustering Methods to Select the Most Appropriate Features: An Application to DNA Microarray Experiments. 11th Annual Research Congress of Iranian Medical students. 2010.
- 2- **Jafari-Koshki Tohid**, Hajizadeh E, Rahbarizadeh F, Ghasemi H. Classification and Feature Selection Methods in Microarray Analysis. 10th Iranian Statistical Conference. 2010.
- 1- **Jafari-Koshki Tohid**, Hajizadeh E, Shahdoost M, Eslami M. Analysis of Prostate Cancer by Using Microarray Experiments. The 3rd International and the 8th National Congress on Quality Improving in Clinical Laboratories. 2011.