

Curriculum Vitae

Morteza Mohammadzadeh



General information:

Date of birth: August 22, 1989
Nationality: Iranian
Academic position: Ph.D candidate
Address: Department of Biostatistics, Faculty of Medical Science, Tarbiat Modares University, Tehran, Iran
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Educations:

- Ph.D candidate in Biostatistics, Tarbiat Modares University, Tehran, Iran. September 2016 – December 2020 (expected).
- MSc in Biostatistics, Shahid Sadoughi University of Medical Science, Yazd, Iran. September, 2013 – March, 2016.
- BSc in Statistics, Hormozgan Province University, Bandar Abbas, Iran, September, 2008 – February, 2013.

Thesis:

- **PhD:** Replicated Spatial Point Process to Combine Brain Activation Images using Medical Imaging Data
- **MS:** The Application of Advanced Bayesian Structural Equation Modeling in the Study of the Effect of Interventions Based on Prochaska's Transtheoretical Model on Nutrition Behaviors of Pre-diabetic Patients in Yazd, Shahid Sadoughi University of medical science, Yazd, Iran, March 2015.

Professional memberships:

- Responsible for holding statistical workshops, Student Research Committee, Department of public health, Shahid Sadoughi University of medical science, 2014- 2015.

Honors and Awards:

- Awards for using research and educational facilities of National Organization for Development of Exceptional Talents (NODET), 10 October 2016.

Research Interests:

- Bayesian methods and statistical programming
- Spatial Point Processes
- Latent class analysis
- fMRI (functional magnetic resonance imaging)

Teaching experiences:

- *Graduate Teaching Assistantship* :
 - “*Categorical Data Analysis*” for MSc. students in Biostatistics, Shahid Sadoughi University of Medical Science, Yazd, Iran, September 2020 – January 2021.
 - *Teaching and research assistant* for MSc./Ph.D. students in Biostatistics, Tarbiat Modares University, Tehran, Yazd, Iran, September 2017 – February 2019.
 - “*Biostatistics and research methods*” for MSc. students in Anatomy, Shahid Sadoughi University of Medical Science, Yazd, Iran, September 2015 – February 2015.
 - “*Biostatistical methods*” for MSc. students in Medical physics, Shahid Sadoughi University of Medical Science, Yazd, Iran, September 2015 – February 2015.
 - “*Biostatistical methods*”, for MSc. students in Midwifery, Shahid Sadoughi University of Medical Science, Yazd, Iran, September 2015 – February 2015.

- *Workshops* :
 - “*Statistics for laboratory scientists*” for The staff of quality of control and sales expert departments, “Noyan Negin Parsian” Company, Tehran, Iran, January 2019 .
 - “*Learning STATA*” for MSc students of Biostatistics and Epidemiology, Shahid Sadoughi University of Medical Science, Yazd, Iran, February 2016.
 - “*Introduction to R*” for MSc students of Biostatistics and Epidemiology, Shahid Sadoughi University of Medical Science, Yazd, Iran, February 2016.
 - Two workshops entitled “*Learning SPSS*”, Shahid Sadoughi University of Medical Science, Yazd, Iran, May 2014, December 2014.
 - “*Introduction to R*” course for The staff of statistics and informatics office, Shahid Sadoughi University of Medical Science, Yazd, Iran, May 2014 - June 2014.

Publications:

1. Pahlevani V, **Mohammadzadeh M**, Pahlevani N, Nayebzadeh V. Determination Of The Risk Factors For Breast Cancer Survival Using The Bayesian Method, Yazd, Iran. *Adv Biomed Res.* 2020 Sep 15; (Accepted)
2. Pahlevani V, Falahzadeh H, Pahlevani N, Nikpour A, **Mohammadzadeh M**. The Effect of Time-dependent Prognostic Factors on survival of Non-Small Cell Lung Cancer using Bayesian Extended Cox Model. *Iranian Journal of Health Sciences.* 2019 Aug 11; (Accepted)
3. Asadzandi M, Nasrollahi Z, **Mohammadzadeh M**, Farahani Valashjerdi M, Tayebi K. Effect of Spiritual Care Based on the Sound Heart Model on Depression of Hemodialysis Patients. *Family Medicine & Primary Care Review.* 2020 Feb 28 (Accepted);
4. Mohammadzadeh Morteza, Fallahzadeh Hossein, Pahlevani Nima, Binesh Fariba, Pahlevani Vida. The Effect of Tumor Markers ER, Her2, and Ki67 on Long-Term and Short-Term Survival of Women with Breast Cancer Using Bayesian Cure Model. *Journal of Isfahan Medical School.* 2019;37:6.
5. Nazari-pour E, Halvani G, Jahangiri M, Fallahzadeh H, **Mohammadzadeh M**. Safety performance evaluation in a steel industry: A short-term time series approach. *Safety Science.* 2018 Dec 1;110:285–90.
6. Zarei Mahmudabadi T, Ebrahimi AA, Eslami H, Mokhtari M, Salmani MH, Ghaneian MT, **Mohammadzadeh M**, et al. Optimization and economic evaluation of modified coagulation flocculation process for enhanced treatment of ceramic-tile industry wastewater. *AMB EXPRESS.* 2018;8.
7. Fallahzadeh H, **Mohammadzadeh M**, Pahlevani V, Pahlevani N. A study on the prognostic factors of breast cancer survival time using bayesian cox model. *Journal of Isfahan Medical School.* 2018;36(466):49–55.

8. Fallahzadeh H, Mohammadzadeh M, Pahlavani N, Taghipoor S, Pahlavani V. Assessment of AFT and Cox models in analysis of factors influencing the survival of women with breast cancer in Yazd city. *Journal of Babol University of Medical Sciences*. 2018;20(5):74–80.
9. Fallahzadeh H, Mazloomi Mahmoodaabad S, Pahlevani V, Mohammadzadeh M, TaheriSodjani M. Application of Bayesian Method in Validation of TTM Decisional Balance and Self-Efficacy Constructs to Improve Nutritional Behavior in Yazdian Prediabetes. *Tolooebehdasht*. 2017 Jul 15;16(2):110–22.
10. Mohammadi M, Mohammadzadeh M, Ahmadi A, Esmaeili A. The Trend of Epidemiological Investigation of the Accidents and Injuries in 2014 for the City of Saqez. *Safety Promotion and Injury Prevention*. 2017;5(1):43–50.
11. Mohammadi M, Mirzaei M, Barati H, Mohammadzadeh M, Momeni Z, Daryafte H, et al. the survey of social and economic conditions of kin cancer in yazd, 2012. 2017;
12. Mahmoodian Ardakani Z, Bahrami MA, Montazeralfaraj R, Fallahzadeh H, Mohammadzadeh M. Relationship between Mental Health and Quality of Working Life among Clinical Staff of Selected Hospitals of Medical Sciences, Yazd. *Management Strategies in Health System*. 2017;1(2):119–127.
13. Bahrami MA, Kiani MM, Montazeralfaraj R, Zadeh HF, , Mohammadzadeh M. The Mediating Role of Organizational Learning in the Relationship of Organizational Intelligence and Organizational Agility. *Osong Public Health and Research Perspectives*. 2016 Jun 1;7(3):190–6.
14. Lotfi MH, Rahimi Pordanjani S, Mohammadzadeh M, Moghtli M. The Evaluate prevalence growth disorders of weight, height and head circumference first 5 years of life in children with congenital hypothyroidism city of Yazd in 2014. *Razi Journal of Medical Sciences*. 2016 May 15;23(143):34–46.
15. Bakhshi Ganje M, Shekhha M hassan, Farashahi E, Mohammadzade M and. Association of rs16953002 FTO Gene Polymorphism with Type 2 Diabetes and Obesity. *Journal of Fasa University of Medical Sciences [Internet]*. 2016;6(1). Available from: <http://journal.fums.ac.ir/article-1-762-fa.html>
16. Mohammadi M, Mirzaei M, Bahrami M, Mohammadzadeh M. relationship between organizational justice and organizational commitment among the employees of the health centers of yazd. 2014;

Presentations:

- Mohammadzadeh M, Tahmasian M, Eickhoff SB, Rasekhi A, Replicated Gibbs Point Process to Combine Functional Brain Alterations Patterns in Acute Sleep Deprivation Using Coordinate Based Meta-Analysis, 6th Iranian Human Brain mapping congress, Tehran, Iran, October 2019.
- Taheri M, Lotfi MH, Ghaderi A, Raeesi A, Mohammadzadeh M, Epidemiologic study of brucellosis in Shahrekord city during 2010-2014, Shahrekord, Iran, October 2015
- Heidari A, Kiani M. Mohammadzadeh M, Soleymani M, Evaluation of knowledge, attitude, and performance of Yazd medical students towards Transgenesis foods in the year 2014, *National Congress on Cancer and Nutrition* , Yazd, Iran, February, 2015.

Research Projects:

- Nasrollahi Z, Asadzandi M, Valashjerdi farahani M, Mohammadzadeh M, The effect of spiritual counseling based on “Sound Heart” model on spiritual health, depression, and anxiety in hemodialysis patients, Qom University of medical science, Qom, Iran, November 2017-present.
- Nasrollahi Z, Mohammadzadeh M, Parizad A, Esmaili A, Mousavi M, Designing, implementing and evaluating the new method of teaching and motivational teaching of medical mycology using meaningful learning method in dentistry students of Qom University of Medical Sciences, Qom, Iran, September 2015 - December 2017.

- Akrami F, Heidari A, Soleymani M, Mohammadzadeh M, Study of Prevalence and antibiotic resistance of *Listeria monocytogenes* in chicken at poultry meat retail stores in Yazd city, Shahid Sadoughi University of Medical Science, Yazd, January 2015- January 2016.
- Mirnasab M, Ehrampoush M, Mohammadzadeh M, Study of attitudes of Environmental health engineering students towards their Job prospects, Shahid Sadoughi University of Medical Science, Yazd, Iran, January 2015- February 2016.

Special skills:

Computer Skills: R and TclTk programming languages, Making Graphical User Interface with “*shiny*” and “*tcltk*” packages (GUI).

Language: Farsi (Native speaker), English (Intermediate).