

# Curriculum Vitae


Date prepared: Sep. 2020

## PERSONAL INFORMATION


### Neda Gilani

- PhD, Assistant Professor of Biostatistics, Department of Statistics and Epidemiology, Faculty of Health, Tabriz University of Medical Sciences, Tabriz, Iran
- Emergency Medicine Research Team, Tabriz University of Medical Sciences, Tabriz
- Tuberculosis and Lung Diseases Research Center, Tabriz University of Medical Sciences, Tabriz




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 ORCID: <https://orcid.org/0000-0002-5399-0277>

 Researcher ID: D-7715-2017

Date of birth 23/08/1984 | Marital Status: Married

## EDUCATIONAL BACKGROUND

### PhD degree in Biostatistics

Department of Biostatistics, Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran, 2016

Thesis title: "Joint Analysis of Longitudinal Ordinal and Event Time Data and its Application to Medical Data"

Supervisor: Dr. Anoshirvan Kazemnejad, Advisors: Dr. Farid Zayeri, Dr. Davood Khalili

### M.Sc. of Biostatistics

Department of Biostatistics, Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran, 2010

Thesis title: "Application of Generalized Mixed Models in Hypertension"

Supervisor: Dr. Anoshirvan Kazemnejad, Advisor: Dr. Farid Zayeri

### B.Sc. of Statistics

Department of Statistics, Faculty of Mathematic, Tabriz University, Tabriz, Iran, 2007

Title: "Estimation of density function using normal composition"

Supervisor: Dr. Hossein Jabbari Khamenei

## Awards

- Top student of Tabriz University, 2006
- Ranked 3 in MSc qualification exam by the Iranian Ministry of Science, Research and Technology, 2007
- Ranked 1 in Ph.D qualification exam by the Iranian Ministry of Science, Research and Technology, 2010

## Teaching Experience

- Analysis of Discrete Multivariate Statistics to M.Sc. Students
- Statistics and Probability to B.Sc. Students
- Statistical Computations with Computer to B.Sc. Students
- Theory of Linear Models and Matrices to M.Sc. Students
- Medical Statistics to M.Sc. Students
- Biostatistics to M.Sc. and B.Sc. Students
- Advanced Biostatistics to Ph.D. Students
- Advanced Biostatistics to Specialty Students
- Survival analysis to M.Sc. Students

## Research Interests

- Longitudinal Data Analysis
- Survival Data Analysis
- Disease mapping and spatial data modeling
- Bioinformatics
- Data Mining
- Machine learning Methods and Artificial Neural Networks
- Bayesian statistics
- Statistical Modeling of Validity and Reliability of instruments
- Structural equation modeling
- Meta-Analysis of Clinical Trials and Observational Studies

## Books

- Applied Tutorial Survival Analysis Using SAS and SPSS Software,2011

## PROJECT EXECUTOR/ SUPERVISOR/ ADVISOR

- Ongoing 77. Derivation and Validation of Trauma Death Prediction Model, Adjusted According to the Severity of Injury in the Elderly (Supervisor M.Sc. student)
- Ongoing 76. Predictors of uncontrolled blood pressure in hypertensive patients in rural areas of Salmas County (Supervisor M.Sc. student)
- Ongoing 75. Cox Model with Frailty Term for Clustered Time-to-Event Data and its Application to Medical Data (Supervisor M.Sc. student)
- Ongoing 74. Application of frailty survival model in prediction time to event of acute lymphoblastic Leukemia patients (Executor)
- Ongoing 73. Evaluation and comparison of stress, anxiety, and personality type D in patients with suspected coronavirus disease (Covid-19) (Executor)
- Ongoing 72. Assessment Knowledge, Attitude and Practice of the Women regarding the use of disinfectants at home to control Corona Virus Disease (Covid-19) (Executor)
- Ongoing 71. Evaluation of human endogenous retrovirus expression in gastric tumors and marginal tissues (Advisor Ph.D. student)
- Ongoing 70. Relation between carbon monoxide level and clinical outcome of patients with asthma attack or COPD admitting to emergency department of the Tabriz Sina Hospital in 2019-2020 (Advisor Ph.D. student)
- Ongoing 69. Survey the association of Carbamazepine and Lamotrigine induced drug skin reaction and HLA-B\*1502 status (Advisor Ph.D. student)
- Ongoing 68. Comparison of Laparoscopic Surgery and Open Surgery in Treatment of invagination Needed for Surgery " (Advisor Ph.D. student)
- Ongoing 67. Pain Management in Traumatic Patients Referring to Emergency Department of Imam Reza Hospital, Tabriz-2018 (Advisor Ph.D. student)
- Ongoing 66. Evaluation of diagnostic and predictive value of White blood cell count, Erythrocyte sedimentation rate (ESR) and coagulation tests in outcomes of patients with blunt trauma (Advisor Ph.D. student)
- Ongoing 65. Effect of traditional medicine interventions on patients with low back pain quality of life and effective social determinants on it (Advisor Ph.D. student)

- Ongoing 64. Modeling the occurrence time of chemical accidents in Iranian industries to estimate the parameters effect on them using survival analysis (Advisor Ph.D. student)
- Ongoing 63. Gender Differences in Health Literacy of the individuals aged 18 years and older in Mianeh in 2019 (Advisor MSC. student)
- Ongoing 62. The experiences of women with breast cancer and their spouse from non-supportive behaviors of their spouse: a sequential explanatory mixed method study (Advisor Ph.D. student)
- Ongoing 61. The futures study of health promotion approach governance in Iranian health system: A multi-phasic study (Advisor Ph.D. student)
- Ongoing 60. Design a model to predict the hospital mortality of admitted patients with Covid-19 (Advisor Ph.D. student)
- Ongoing 59. Evaluation of knowledge, Attitude and Usage of Complementary and Alternative Medicine by physicians and patients referring to emergency departments of Tabriz teaching hospitals (Advisor M.D student)
- Ongoing 58. Nurses knowledge, attitudes and practices in nutritional management of diabetes in Tabriz University of Medical Sciences: A descriptive cross-sectional study (Supervisor M.Sc. student)
- Ongoing 57. Evaluation of nitric oxide pathway on obese asthmatic patient (Co-worker)
- Ongoing 56. Providing a new approach based on molecular polarity parameters for diagnosis of different cytokines as biological important molecules in asthma (Co-worker)
- Ongoing 55. Psycho social determinants of marriage expectation among referrals to Asad Abadi & 7th Tir premarital counselling center-Tabriz (Advisor Ph.D. student)
- Ongoing 53. Predicting Illness Anxiety Disorder in Emergency Staff Related to Covid-19 Patients Based on Self-Compassion and Perceived Social Support Components (Co-worker)
- Ongoing 52. Predicting PTSD Based on Self-Compassion and Perceived Social Support Components in Emergency Staff Related to Covid-19 Patients (Co-worker)
- Ongoing 51. Evaluation if Knowledge, Attitude and Practice of worker toward occupational health and safety and its relationship with occupational health and safety status in Marand workshops (Advisor M.D student)
- Ongoing 50. Investigating the Prevalence of Musculoskeletal and Visual Disorders in Computer Users of Tabriz Health Centers (Advisor)
- Ongoing 49. Predictors Health literacy and general health on the self-care of elderly people in Urmia (Supervisor M.Sc. student)
- Ongoing 48. Investigation of the relationship between arterial blood gas analysis parameters and endoscopic findings in acute injuries of caustic ingestion in patients referred to the emergency department (Advisor M.D student)
- Ongoing 47. Evaluating the antimicrobial effects of postbiotics derived from lactobacillus casei and Saccharomyces boulardi on Staphilococcus aureus and Penicillium expansoum (Advisor M.Sc. student)
- Ongoing 46. Joint Modelling of Multivariate Longitudinal-Survival Data and its Application to Medical Data (Co-worker)
- Ongoing 45. Evaluation of defensive medicine in patients with neurology deficit came to emergency department (Advisor M.D student)
- Ongoing 44. Evaluation of knowledge and attitude of emergency medicine specialists about thrombolytic therapy in ischemic stroke (Advisor M.D student)
- Ongoing 43. Evaluation of pre-hospital stroke diagnosis agreement with emergency diagnosis (Advisor M.D student)
- Ongoing 42. Investigating the Relationship between Awareness and Society's Expectations of Pre-Hospital Emergency Medical Services in Tabriz in 2020 (Advisor M.Sc. student)
- Ongoing 41. The effect of ASLS instruction on knowledge and skills of medical students (Advisor M.D student)
- Ongoing 40. Study of environmental health and safety indicators in public and private schools of Urmia Urban (Advisor M.D student)
- Ongoing 39. Study of possible effects of angiotensin mediated medications on COVID-19 patients outcomes who referred to the emergency department and admitted (Co-worker)
- Ongoing 38. Study of the parent-child sex communication styles among families attended to health centers, Tabriz;1398 (Advisor M.Sc. student)
- Ongoing 37. Psychometric Evaluation of Safety Risk Questionnaire and Determination of Safety Risk 36. Perception Based on Workplace hazards (Advisor)
- Ongoing 36. Assessment of professional ethics and quality life of work among the occupational health and safety experts in the industry (Advisor M.Sc. student)
- Ongoing 35. Investigating the Association of Safety Climate whit Hazard Recognition in a Pharmaceutical Company (Advisor)
- Ongoing 34. Survey reliability and validity of mini mental status examine in the Azeri Turkish language population (Advisor)
- Ongoing 33. Investigation of concomitant of tuberculosis and primary lung cancer and rate of active tuberculosis after primary lung cancer diagnosis (Co-worker)

- Ongoing 32. Study the Rate of Industrial Managers Performance, Attitude and Knowledge on HSE indicators in Selecting and Purchasing Critical Equipment of the Production line (Advisor M.Sc. student)
- Ongoing 31. The relationship between Patient Safety Culture, Job satisfaction and Unwanted Events among nurses working in emergency department of Tabriz educational centers in 2019 (Advisor M.Sc. student)
- Ongoing 30. Comparing health promoting lifestyle and psychological well-Being among the elderly living in Tabriz city and its rural areas. 2019 (Advisor)
- Ongoing 29. Investigating conformity of risk assessment results for chemical contaminants exposure in two methods with and without air monitoring in chemical industry (Advisor M.Sc. student)
- Ongoing 28. Study the compliance status of the HSE requirements by contractors in the East Azrbaijan Gas Company and provide corrective measures for monitoring and controlling mechanisms (Advisor M.Sc. student)
- Ongoing 27. Investigating efficiency of permit to work system in the East Azarbaijan province gas company (Advisor M.Sc. student)
- Ongoing 26. Designing and Psychometric assessment of housewives knowledge, attitude and performance questionnaire from the public safety principles in the home (Advisor)
- Ongoing 25. Determination a risk-based approach to specify the inspection interval in a part of the East Azerbaijan Gas company's facilities (Advisor M.Sc. student)
- Ongoing 24. Prediction of stroke with occupation situation (Advisor M.D student)
- Ongoing 23. Knowledge and attitude towards nursing preceptorship among nurse educators of Medical Sciences Universities in North-West of Iran, 2019 (Advisor)
- Ongoing 22. The study of the status of behavioral risk factors and the causes of non-referral of people at high risk of cardiovascular events to health centers in the plan Irapen city of Marand city, 1396-97 (Advisor M.Sc. student)
- Ongoing 21. Epidemiology of motorcyclist injuries in 2018 in Khalkhal city (Advisor M.Sc. student)
- Ongoing 20. The survey of the time of becoming smoker and its related factors in universities of Tabriz city: A web-based study (Advisor M.Sc. student)
- Ongoing 19. Evaluation of Glucagon-Like Peptide-1 serum levels in patients with liver cirrhosis and healthy subjects and its association with disease severity (Advisor M.D student)
- Ongoing 18. Investigation of Near Miss Reporting and Its Relationship with Safety Climate in the East Azerbaijan Gas Company (Advisor M.Sc. student)
- Ongoing 17. A comparative study of Emergency Nurses and Prehospital Emergency Personnel Competence in Electrocardiographic Interpretation in hospitals and Emergency Medical Services (EMS) Centers of Tabriz (Advisor M.Sc. student)
- Ongoing 16. Evaluation of correlation of D-dimer test and lung perfusion-ventilation scan in patients suspected to pulmonary embolism referred to nuclear medicine center (Advisor M.D student)
- Ongoing 15. The survey of Competence and its relationship with the frequency of use among the new nurses working in Tabriz Emergency Departments (Advisor M.Sc. student)
- 2020 14. Application of Longitudinal Multivariate Models in Ovarian Androgens in Girls with Polycystic Ovary Syndrome after moderate aerobic Training (Executor)
- 2020 13. Statistical modeling of predictive factors of balance and motor function in people over 50 years old in Bokan city (Supervisor M.Sc. student)
- 2019 12. Survey amounts used oils in Iran, and presenting of managing principals according to the environmental and health aspects (Advisor)
- 2019 11. Moral sensitivity and its relationship with the individual and professional quality of life of in emergency medical technician of East Azerbaijan Province 2017 (Co-worker)
- 2019 10. The effect of the training course Prehospital Trauma Life Support( PHTLS) to Knowledge and Performance by pre-hospital emergency care system in Tabriz 2016 (Co-worker)
- 2019 9. Evaluating radiation absorbed dose in patients with multiple trauma (Advisor M.D student)
- 2019 8. Assessment of workflow status of patients requiring brain surgery intervention referred to emergency department of Imam Reza Hospital in Tabriz from 2018/3/21 to 2018/3/20 (Advisor M.D student)
- 2019 7. Evaluation of awareness, treatment and control of hypertension and its effective factors in adults over 30 years old referred to rural health centers in Salmas (Advisor M.Sc. student)
- 2019 6. Nurse's perception of the public image of nursing and its association with their quality of work life (Advisor M.Sc. student)
- 2019 5. Surveying the stress and anxiety of emergency medical personnel in East Azarbaijan province in 2018 (Advisor M.D student)
- 2019 4. The effect of skill labs with natural animal tissue on knowledge and practice of newly medical assistants compared to using moulage (Advisor M.D student)
- 2019 3. The effect of skill labs with natural animal tissue on knowledge and practice of newly medical assistants compared to using moulage (Advisor M.D student)

- 2019      **2. Application of Longitudinal Multivariate Models in SIRT6, FBS and Elderly Body Composition after Concurrent Training and Supplementation (Executor)**
- 2019      **1. Evaluation of Socioeconomic Burden of asthma phenotypes (Co-worker)**

## Published, Accepted or Submitted articles in peer-reviewed journals

19. Vand Tamadoni, B., Shahbazi, S., Seyedrasooli, A., **Gilani, N.**, & Gholizadeh, L. (2020). A survey of clinical competence of new nurses working in emergency department in Iran: A descriptive, cross-sectional study. *Nursing Open*.
18. Seyedrezazadeh, E., Ansarin, K., Sharifi, A., Jafari Rouhi, A. H., **Gilani, N.**, Aftabi, Y., ... & Najmi, M. (2020). Validation of the Persian work productivity and activity impairment questionnaire in asthmatic patients. *Expert Review of Respiratory Medicine*, 1-6.
17. Ghaffar zad, A., Pouraghaei, M., Parsian, Z., **Gilani, N.**, Cicek, M., & Khorami, F. S. (2020). Diagnostic and predictive value of white blood cell count, erythrocyte sedimentation rate, and coagulation tests in patients with blunt head trauma. *Journal of Research in Clinical Medicine*, 8(1), 3-3.
16. Dehghannezhad, J., **Gilani, N.**, Rahmani, A., & Dadashzadeh, A. (2020). Compassion satisfaction and compassion fatigue among emergency medical technicians in Iran. *Australasian Journal of Paramedicine*, 17(1).
15. Jafari, A., Aminisani, N., Shamshirgaran, M., Rastgoo, L., & **Gilani, N.** (2020). Predictors of mobility limitation in older adults: A structural equation modeling analysis. *Baltic Journal of Health and Physical Activity*, 12(1), 20-31.
14. Ahmadpour-Geshlagi, R., **Gilani, N.**, Azami-Aghdash, S., Javanmardi, M., Alizadeh, S. S., & Jalilpour, S. (2020). Investigating the status of accident precursor management in East Azarbaijan Province Gas Company. *International journal of occupational safety and ergonomics*, 1-12.
13. Kazemnejad, A., Gholami Fesharaki, M., & **Gilani, N.** (2019). The Study of Knowledge, Attitude and Marriage Expectation in Tehran Police Single Staff. *Journal of police medicine*, 5(3),197-204.
12. Hassankhani, H., Soheili, A., Vahdati, S. S., Mozaffari, F. A., Fraser, J. F., & **Gilani, N.** (2019). Treatment Delays for Patients with Acute Ischemic Stroke in an Iranian Emergency Department: A Retrospective Chart Review. *Annals of emergency medicine*, 73(2), 118-129.
11. **Gilani, N.**, Haghshenas, R., & Esmaeili, M. (2019). Application of multivariate longitudinal models in SIRT6, FBS, and BMI analysis of the elderly. *The Aging Male*, 22(4), 260-265.
10. Fakhari, A., Gharepapagh, E., Dabiri, S., & **Gilani, N.** (2019). Correlation of cancer antigen 15-3 (CA15-3) serum level and bony metastases in breast cancer patients. *Medical Journal of the Islamic Republic of Iran*, 33, 142.
9. **Gilani, N.**, Kazemnejad, A., Zayeri, F., Hadaegh, F., Azizi, F., & Khalili, D. (2017). Anthropometric indices as predictors of coronary heart disease risk: Joint modeling of longitudinal measurements and time to event. *Iranian journal of public health*, 46(11), 1546.
8. **Gilani, N.**, Kazemnejad, A., Zayeri, F., ASGHARI, J. M., & IZADI, A. F. S. (2017). Predicting outcomes in traumatic brain injury using the glasgow coma scale: A joint modeling of longitudinal measurements and time to event.
7. Kazemnejad, A., M. Gholami Fesharaki, & Gilani, N. (2016) The Study of Knowledge, Attitude and Marriage Expectation in Tehran Police Single Staff. *Journal of Police Medicine*. 5(3), 197-204.
6. Kazemnejad, A., Samadi, S., & **Gilani, N.** (2015). Determining the Factors Affecting Childbearing Tendency in Tehran Police Personnel. *Journal of Police Medicine*, 4(3), 201-208.
5. Haghshenas, R., **Gilani, N.**, & Jafari, M. (2015). Effect of 16 weeks endurance training and high fat diet on plasma level of interleukins-6, 10 and nesfatin-1 of rats. *Sport Physiol*, 6(24), 49-61.
4. **Gilani, N.**, Kazemnejad, A., & Zayeri, F. (2015). Determining the Factors Affecting Albumin Serum in Hemodialysis Patients Using Random Effects Model. *Journal of Mazandaran University of Medical Sciences*, 25(131), 40-47.
3. Haghshenas, R., Jafari, M., Ravasi, A., Kordi, M., **Gilani, N.**, Shariatzadeh, M., ... & Rahimi, M. (۲۰۱۵). The effect of eight weeks

# Curriculum Vitae

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endurance training and high-fat diet on appetite-regulating hormones in rat plasma. Iranian journal of basic medical sciences, 19(8), 236.

2. **Gilani, N.**, Kazemnejad, A., Zayeri, F., Dizaji, M. K., & Dabir, S. (2014). Effects of Interpleural Morphine on Severity of Post-Thoracotomy Pain. Scimetr, 2(3).

1. **Gilani, N.**, Kazemnejad, A., Zayeri, F., & Yazdani, J. (2011). Comparison of Marginal Logistic Model with Repeated Measures and Conditional Logistic Model in Risk Factors Affecting Hypertension. Journal of Mazandaran University of Medical Sciences, 21(82), 27-35.

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## Paper Presented in International and National Conferences

1. **Gilani, N.**, Kazemnejad, A., Zayeri, F., Dizaji, M. K., & Dabir, S. (2014). A Double Blind Randomized Trial for Assessing the Effects of Interpleural Morphine on Severity of Post-Thoracotomy Pain. Asthma: Diagnosis and Treatment - A Clinical Approach to Assessing Patients with Allergies, 2014.
  2. **Gilani, N.** The effect of chronic exercise training in water on LDH, CK, and blood sugar in the women s diabetics, The 3rd Iranian international Conference on Woman's Health. May 21-22, 2014, Health Policy Research Center, Shiraz, Iran
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## EDITORIAL MEMBER OF

- **Journal of Research in Clinical Medicine (JRCM)**
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## SERVED AS PEER REVIEWER FOR

- **BMC Health Services Research**
- **International Journal of Injury Control and Safety Promotion**
- **Nursing Practice Today**
- **Journal of Analytical Research in Clinical Medicine**
- **International Journal of Biomedicine and Public Health**
- **Journal of Research in Clinical Medicine**