

In the name of Allah

Personal information

Narges Roustaei

Assistance professor of Biostatistics,

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Educational Records:

PhD of Biostatistics, Shiraz University of Medical Sciences, Shiraz, Iran, 2018

M.Sc. of Biostatistics, Tehran University of Medical Sciences, Tehran, Iran, 2013

B.Sc. of Statistics, Shahid Chamran University, Ahvaz, Iran, 2007

PhD Thesis Title:

A new joint model for longitudinal and survival outcomes in populations with heterogeneous patterns

Research Interests:

1. Survival Data Analysis
2. Longitudinal Data Analysis
3. Mixed Models
4. Statistical Modeling of Validity and Reliability of instruments
5. Quality of Life

Teaching Experience:

Biostatistics to B.Sc. Students

Advanced Biostatistics to M.Sc. Students

Biostatistics and Research Methodology to B.Sc. Students

Statistical Computations with Computer to B.Sc. Students

Research methodology to M.Sc. Students

Full paper published in refereed journals:

https://scholar.google.com/citations?hl=en&user=DZtoMAAAAAJ&view_op=list_works&authuser=1&sortby=pubdate

1- Jamshidi Orak R, Haghani H, Mohaghegh B, **Roustaiei N**. Preferences of Clients Referring Firoozgar Hospital: Choice Based Conjoint Analysis. Hakim Research Journal 2012; 15(3): 211-21. [Persian]

2-Mohaghegh, B., **N. Roustaiei(Corresponding Author)**, R.a. Jamshidi Orak and H. Haghani, Desired Attributes of Outpatient Services from the Perspective of patients: Using a Choice- Based Conjoint Analysis Technique. Journal of Health Administration, 2012. 15(48): p. 47-56. [Persian]

3- Adelian R, Jamali J, Zare N, Ayatollahi SMT, Pooladfar GR, **Roustaiei N (Corresponding Author)**. Comparison of Cox's regression model and parametric models in evaluating the prognostic factors for survival after liver transplantation in Shiraz during 2000-2012. Int J Org Transplant Med. 2012;6(3):119-25.

4- Khalesi, N., L. Shams, S. Yegane, E. Jafari Pooyan, T. Nasiri, **N. Roustai**, et al., The Relationship Between Organizational Health And Organizational Citizenship Behavior In Hospitals Affiliated To Tehran University Of Medical Sciences In 2010 Payavard Salamat, 2013. 6(6): p. 412-422. [Persian]

5-Vatankhah, S., L. Shams, B. Ahadinezhad, E. Ameli, T. Nasiri and **N. Roustai**, Analysis Of Management Functional Dimensions Using Weisbord Model In Hospitals Of Tehran University Of Medical Sciences. Payavard Salamat, 2013. 7(2): p. 163-176. [Persian]

6- **Roustaiei N**, Taghi Ayatollahi SM, Jamali J. Relationship between minor psychiatric disorders and job stability among southern Iranian nurses: Using latent class regression model. HAYAT. 2014;20(4):51-61. [Persian]

7-Roustaiei N, Jafari P, Jamali J, Sadeghi E. Evaluating the relationship between Social Desirability and Minor Psychiatric Disorders among nurses in southern Iran: A Robust Regression Approach. Int J Community Based Nurs Midwifery. 2015 (4):301-8. [Persian]

- 8-Jamali J, **Roustaei N (Corresponding Author)**, Ayatollahi SMT, Sadeghi E. Prevalence of minor psychiatric disorders and factors affecting it in Iranian nurses. *Iran J Public Health*. 2015;44(6):890-1.
- 9- Jamali J, **Roustaei N**, Ayatollahi SMT, Sadeghi E. Factors affecting minor psychiatric disorders in Southern Iranian nurses: A latent class regression analysis. *Nursing and Midwifery Studies*. 2015 ;4(2):e28017.
- 10-Vahabi n, Ayatolah SMT, Salehi M, Jamali H, Jahanian s, **Roustaei N(Corresponding Author)**). Application of longitudinal models in assessing the effect of prophylactic YAG ridotomy on corneal endothelial cells in Primary angle closure glaucoma suspects. *Razi Journal of Medical Sciences*.2015. [Persian]
- 11-Vosoughi AR, **Roustaei N**, Mahdaviiazad H. American Orthopaedic Foot and Ankle Society ankle–hindfoot scale: A cross-cultural adaptation and validation study from Iran. *Foot and Ankle Surgery*. 245(2018) ;2016:219-223.
- 12-Nejabat M, Heidary F, Talebnejad MR, Salouti R, Nowroozzadeh MH, Masoumpour M, ..., **Roustaei N**, Reza Gharebaghi. Correlation Between Intraocular Pressure and Central Corneal Thickness in Persian Children. *Ophthalmology and therapy*. 2016;5(2):235-43.
- 13-**Roustaei N**, Jamali J, Zare N, Ayatollahi SMT, Teshnizi SH. Evaluation of the relationship between the dimensions of the nurses' quality of working life and social desirability in Fars province, Iran. *J Kerman Univ Med Sci*. 2016;23(2):217-27.
- 14-**Roustaei N**, Jamali H, Jamali MR, Nourshargh P, Jamali J. The association between quality of sleep and health-related quality of life in military and non-military women in Tehran, Iran. *Oman Medical Journal*. 2017;32(2):124-30.
- 15-**Roustaei N**, Ayatollahi SMT, Zare N. A proposed approach for joint modeling of the longitudinal and time-to-event data in heterogeneous populations: An application to HIV/AIDS's disease. *BioMed research international*. 2017;2017.
- 16-Mahdaviiazad H, **Roustaei N**, Masoumpour MB, Razeghinejad MR. Psychometric properties of the glaucoma quality of life-15 questionnaire: use of explanatory factor analysis. *Journal of current ophthalmology*2018;20(3):211-216.
- 17- Mahdaviiazad H, Bamdad Sh , **Roustaei N**, Mohaghegh S. Vision-Related Quality of Life in Iranian Keratoconus Patients: National Eye Institute- Vision Function Questionnaire. *Eye & Contact Lens*. 2018; 44(6):350-54.
- 18- **Roustaei N**, Jamali J, Ayatollahi S M T, and Zare N, A comparative study of different joint modeling approaches for HIV/AIDS patients in Southern Iran. *Iranian Journal of Public Health*, 2020. 49(9): p. 1776.
- 19-Shayegan P, Shams M, **Roustaei N**, and Ghaffarian Shirazi H, Measuring the Theory of Planned Behavior constructs for designing an intervention to promote the intention to quit hookah usage in Youth of Yasuj, Iran. *Armaghane danesh*, 2021. 26(4): p. 0-0.

- 20- Mazloomirad F, Hasanzadeh S, Sharifi A, Nikbakht G, **Roustaei N**, and Khoramrooz S S, Identification and detection of pathogenic bacteria from patients with hospital-acquired pneumonia in southwestern Iran; evaluation of biofilm production and molecular typing of bacterial isolates. *BMC Pulmonary Medicine*, 2021. 21(1): p. 1-11.
- 21-Jokarborzabad A, Karimi Z, Yazdanpanah P, and **Roustaei N**, Effect of Prayer-Based Movements on Pain and Endurance of Flexor Muscles in Patients with Non-specific Chronic Low Back Pain. *Journal of Clinical Care and Skills*, 2021. 2(2): p. 0-0.
- 22-**Roustaei N** and Allahyari E, COVID-19 screening: use of an artificial neural network. *BMJ Supportive & Palliative Care*, 2021.
- 23-Allahyari E and **Roustaei N**, Applying Artificial Neural-network Model to Predict Psychiatric Symptoms. *BioMedicine*, 2022. 12(1): p. 1.
- 24- Ahmadi, F, Khalvati, B, Eslami, S, Mirzaii, M, **Roustaei, N**, et al. (2022). The Inhibitory Effect of Thioridazine on adeB Efflux Pump Gene Expression in Multidrug-Resistant *Acinetobacter baumannii* Isolates Using Real Time PCR. *Avicenna Journal of Medical Biotechnology*, 14(2), 132-136.
- 25- Hemati, M, **Roustaei, N**, Rezaei, S, & Shams, M. (2022). Social Marketing to Reduce the Use of Plastic Shopping Bags in Shopping Centers of Dogonbadan: An Interventional Study. *Iranian Journal of Health Education and Health Promotion*, 10(2), 113-124.
- 26- Jokarborzabad, A, Karimi, Z, Yazdanpanah, P, **Roustaei, N**, & Mohammadhossini, S. (2022). The Effect of Eight Weeks of Exercises Based on Prayer Movements on Pain and Endurance of Trunk Flexor and Extensor Muscles in Patients with Non-Specific Chronic Back Pain. *Armaghane danesh*, 27(6), 707-719.
- 27- Maleki, M, Shams, M, **Roustaei, N**, & Shakibazadeh, E. (2022). Designing a Social Marketing-Based Intervention to Promote Sun-protective Behaviors among Urban Adolescent Boys: A Study Protocol. *International Journal of Community Based Nursing & Midwifery*, 10(4), 290-300.
- 28- **Roustaei, N**, Hosayni, H, & Jokar, S. (2022). Factors Related to Medication Adherence in Hypertensive Patients in the Iranian Population. *Journal of Clinical Care and Skills*, 3(1), 13-18.
- 29- Pourmahmoudi, A, Nicolau, J, Veronese, N, **Roustaei, N**, Jahromi, A J, et al. (2022). The importance of nutritional status on clinical outcomes among both ICU and Non-ICU patients with COVID-19. *Clinical Nutrition ESPEN*, 49, 225-231
- 30- Nikroy, F, **Roustaei, N**, & Eslami, A. (2022). Cognitive Factors Association with Medication Adherence Among Hypertension Patients. *Iranian Evolutionary and Educational Psychology Journal*, 4(4), 0-0.
- 31- Jafari Z, Bardania H, Jafari Barmak M, Mahmoudi-mourderaz Y, **Roustaei N**, Talebianpoor M S, Panahi Kokhdan E, and Seyed Sajjad K, The effect of Polycaprolactone scaffold with Myrtus

communis and silver nanoparticles on wound healing and antimicrobial properties on burn wound infection induced by Methicillin-resistant Staphylococcus aureus in rats. Qom University of Medical Sciences Journal, 2022. 16(2): p. 0-0.

32- Pakdel A, Shams M, Rezaei S, Mousavizadeh A, **Roustaei N**, and Baneshi M M, Evaluation of the input, process, and output of the educational programs in health educational institutions: a cross-sectional study in Shiraz. Iranian Journal of Health and Environment, 2022. 15(2): p. 193-214.

33- Asadi-Amoli F, Abedinifar Z, Nozarian Z, Heidary F, Memar M H S A, Nezamabadi A, Gharebaghi R, **Roustaei N**, and Parvizi M, Microbiological Profile of Ocular Infection: A Large Retrospective Study. Iranian Journal of Public Health, 2022. 51(6): p. 1419.

34- Doustimotlagh A H, Sedaghattalab M, Emadi O, **Roustaei N**, Azarmehr N, and Bijani F, Antioxidative effect of hydroalcoholic extracts of fruit and pit of Elaeagnus angustifolia against oxidative stress markers in benign prostatic hyperplasia. Armaghane Danesh, 2023. 28(2): p. 0-0.

35- Kharaman-Nia F, Rezaei H, **Roustaei N**, Etemadfar P, and Hosseini N, Comparing the effects of self-care education by lecture and smartphone application on self-efficacy of patients with thalassemia. BMC Medical Informatics and Decision Making, 2023. 23(1): p. 21.

36- Harooni J, Zinatmotlagh F, Ahmadzadeh T, **Roustaei N**, and Hassani G, Design, implementation and evaluation of end-of-course skills of undergraduate students in environmental health engineering using Objective Structured in field Examination (OSFE): An action research study. Armaghane Danesh, 2023. 28(2): p. 0-0.

37- Azarmehr N, Porhemat R, **Roustaei N**, Radmanesh E, Moslemi Z, Vanda R, Barmoudeh Z, Eslamnik P, and Doustimotlagh A H, Melatonin-Attenuated Oxidative Stress in High-Risk Pregnant Women Receiving Enoxaparin and Aspirin. Evidence-Based Complementary and Alternative Medicine, 2023. 2023.

38- Yousefi M, Sadriirani M, Mahmoodi S, Samimi B, Pourmahmoudi A, Hosseinikia M, Sadeghi O, **Roustaei N**, Saeedinezhad Z, Espín JC, Ansari S, Panahande SB. Adjuvant pomegranate juice intake improves the inflammatory status of hospitalized COVID-19 patients: A randomized and placebo-controlled trial. Complementary therapies in medicine. 2023;75:102958.

39- Sajad Hassanzadeh, Seyed Sajjad Khoramrooz, Farzad Mazloomirad, Asghar Sharifi, **Narges Roustaei**, Mohammad Gholamnezhad, Esmael Jamshidnejad. Iranian Journal of Microbiology, 2023

40- Sherafati N, Behzadi M, Bideshki M, Najafian M, Jowshan M, Hosseinzade Z, Panahande B, Saeedinejad Z, **Roustaei N**, Malekzade J. Alignment of Global Leadership Initiative on Malnutrition (GLIM) and Mini Nutritional Assessment (MNA) in the evaluation of nutritional status and its association with clinical outcomes of hospitalized COVID-19 patients. 2023.

41- Abbasipour M, Karimi Z, **Roustaei N**, Mohammadhossini S. Effects of Modified Stretching Exercises on Fatigue Intensity in Patients with Type 2 Diabetes: A Randomized Clinical Trial. Jundishapur Journal of Chronic Disease Care. 2024;13(2).

- 42- Shahab S, Zinat Motlagh F, Hassani G, **Roustaei N**, Rezaei S, Rayegan-Shirazi A. The effect of the educational intervention based on the theory of planned behavior on the employees' behaviors in the waste management of Hafez Hospital in Shiraz. *Armaghane Danesh*. 2023;28(6):0-.
- 43- **Roustaei N**, Allahyari E. Evaluation of psychometric properties of the Dental Anxiety Inventory (DAI-36) questionnaire using iterative hybrid ordinal logistic: Differential item functioning (DIF). *Brain and Behavior*. 2023;13(9):e3129.
- 44- Kazemi SA, **Roustaei N**, Mirhadi S. Comparative evaluation of maxillary sinus volume at the levels of nasal septal deviation, concha bullosa and impacted or missing teeth in cone-beam computed tomography (CBCT). *Journal of Clinical Care and Skills*. 2023;4(4):0-.
- 45- Bastin A, Abbasi F, **Roustaei N**, Abdesheikhi J, Karami H, Gholamnezhad M, et al. Severity of oxidative stress as a hallmark in COVID-19 patients. *European Journal of Medical Research*. 2023;28(1):558.
- 46- Abbasipour MR , Karimi Z , **Roustaei N** , Mohammadhossini S. Effects of Modified Stretching Exercises on Fatigue Intensity in Patients with Type 2 Diabetes: A Randomized Clinical Trial. *Jundishapur Journal of Chronic Disease Care: Vol.13, issue 2; e139745*
- 47- Asadi-Amoli F, Abedinfar Z, Nozarian Z, Memar MHSA, Nezamabadi A, **Roustaei N**, Parvizi M, Gharebaghi R, Heidary F, Kiwi ND. Gram stain in the microbiologic diagnosis of infectious diseases of the eye: Analysis of sevenyear data. in *clinical and experimental ophthalmology*. 2023. wiley 111 river st, hoboken 07030-5774, nj usa.
- 48- Sherafati N, Behzadi M, Bideshki MV, Najafian M, Jowshan MR, Hosseinzade Z Panahande B, Saedinejad Z, **Roustaei N**, Malekzade J. Global Leadership Initiative on Malnutrition and Mini Nutritional Assessment in Evaluation of Nutritional Status of COVID-19 Patients. *International Journal of Nutrition Sciences*. 2024; 9(1): p. 14-22.
- 49- Bazyar I, Hajariyan M, Zinatmotlagh S, **Roustaei N**, Ghaderi S. Investigating Health Literacy and its Influencing Factors in Medical and Dental Students of Yasuj University of Medical Sciences. *Armaghane Danesh*. 2024; 29(3): p. 432-443.
- 50-Doustimotlagh A, **Roustaei N**, Eftekhari M, Bastin A. Oxidative stress severity's as a hallmark in the COVID-19 patients. *Clinica Chimica Acta*. 2024; 558: p. 119135.:

Thesis

As Advisor

https://isid.research.ac.ir/Narges_Roustaei

Workshop Executed:

1. Workshop on “Introduction to SPSS” for students in Yasuj University of Medical Sciences, 2019, Yasuj, Iran.
2. Workshop on “Advanced SPSS” for in Yasuj University of Medical Sciences, 2019, Yasuj, Iran.
3. Workshop on “Introduction to SPSS” for M.Sc. students in Yasuj University of Medical Sciences, 2019, Yasuj, Iran.
4. Workshop on “Instruments of Gathering Data in Research (Reliability and Validity study)” for academic members of Yasuj University of Medical Sciences, Education Development Center (EDC), 2019, Yasuj, Iran.
5. Workshop on “Cohort” for Students of Biostatistics in Shiraz University of Medical Sciences, 2015, Shiraz, Iran.

Workshop Participated:

1. Workshop on –Data Mining- Statistical Research and Training Center, 2009, Tehran, Iran.
2. Workshop on -Statistical software R- School of Management and Medical Information science, 2012, Tehran, Iran.
3. Workshop on -Statistical software STATA- School of Management and Medical Information science, 2012, Tehran, Iran.
4. Workshop on -Communication skills- Shiraz University of Medical science, 2016, Shiraz, Iran.
5. Workshop on –RCT-GCP –National Institute of Medical Research Development (NIMAD), 2019, Isfahan, Iran.
6. Workshop on -Instruments of Gathering Data in Research (Reliability and Validity study) - Education Development Center (EDC), 2019, Yasuj, Iran.
7. Workshop on -Familiarity with regulation promoting faculty members- Education Development Center (EDC), 2019, Yasuj, Iran.
8. Workshop on –Article Writing in Foreign Journals-Academic virtual training center.2019

9. Workshop on –Modern Method of holding the class -Academic virtual training center.2019.

10. Workshop on –Research Methodology -Academic virtual training center.2019.

Reviewer of Journals:

The Neuroscience Journal of Shefaye Khatam

Journal of Clinical Care and Skills

Armaghan e Danesh Journal

Softwares:

SPSS, MINITAB, SAS, SPLUS, STATA, Prism (GraphPad), PLS, AMOS, NCSS, PASS, GPower, Random Allocation Software and Endnote.

Language:

Farsi, English