

# Curriculum Vitae

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## Personal Information

Name: Narges Roustaei

Position: Associate Professor at Yasuj University of Medical Sciences

Field of Study: Biostatistics - PhD

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## Research Interests:

- *Survival Data Analysis*
- *Longitudinal Data Analysis*
- *Mixed Models*
- *Statistical Modeling of Validity and Reliability of instruments*
- *Quality of Life*
- *Artifactual intelligence*

## Education

*PhD in Biostatistics, Shiraz University of Medical Sciences, Shiraz, Iran, (2014- 2018)*

*Master of Science in Biostatistics, Tehran University of Medical Sciences, Tehran, Iran, (2010-2013)*

*Bachelor of Science in Statistics, Shahid Chamran University, Ahvaz, Iran, (2003-2007)*

## Academic Experience

*Associate Professor – Yasuj University of Medical Sciences, Department of Biostatistics and Epidemiology (2024-Present)*

*Assistant Professor - Yasuj University of Medical Sciences, Department of Biostatistics and Epidemiology (2019-2024)*

## 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*

## **Research & Publications**

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

2-Mohaghegh, B., **N. Roustaei**(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, **Roustaei 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, **Roustaei N**, 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. Roustaei**, 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- **Roustaei 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-**Roustaei 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**, Mahdaviazad 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-Mahdaviazad 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- Mahdaviazad 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, **N Roustaei**, Mohammad Gholamnezhad, Esmaeel 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 seven year 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, Saeedinejad 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- Bazayr 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.:
- 51- **Roustaei, N.**, Application and interpretation of linear-regression analysis. *Medical Hypothesis, Discovery and Innovation in Ophthalmology*, 2024. 13(3): p. 151.
- 52- Dehbanizadeh A, Mirzaee M, **Roustaei N**. Assessment of the relationship between ethical reasoning and conflict management style among nurses. *Journal of Education and Health Promotion*. 2024;13(1):479.
- 53- Jahantab M, Mohsenpour A, Salaminia S, Mehrabi Sisakht S, **Roustaei N**, Malekzadeh J, et al. Effect of Carbon Dioxide Intraperitoneal Insufflation Pressure on Coagulation Status and Laboratory Liver Function Test After Laparoscopic Cholecystectomy. *Journal of Clinical Care and Skills*. 2024;5(4):189-95.
- 54- Manzouri L, Masoudifar S, **Roustaei N**, Rad F. Developing a Standard Tool for Measuring Health Literacy Related to Transfusion-Transmitted Infections. *Plasmatology*. 2025;19:26348535241311686
- 55- **Roustaei N**, Malekzadeh M, Sadra N, Mohammadi F. Assessment of knowledge and attitude of health workers (Behvarz) in Boyer-Ahmad regarding oral health. *Armaghane Danesh*. 2025;30(5):0-.
- 56- Zoormand F, Hassani G, **Roustaei N**, Rezaei S. Estimation of the amount of electrical and electronic waste (e-waste) generated by households and government offices in Abadeh Tashk city, Fars province, using the consumption and use method. *Iranian Journal of Health and Environment*. 2025;18(1):71-94.

57- Harouni J, Sharafkhani N, **Roustaei N**, Sharifi M, Zinat Motlagh SF. Predictors of pregnancy intention among child marriage based on the theory of planned behavior. *Health Science Monitor*. 2025;4(2):140-9.

58- Afrasiabifar A, Shaabanpour M, **Roustaei N**, Gorjizadeh R. Effect of Pilates exercises with and without mindfulness on sexual function in females with polycystic ovary syndrome: A quasi-experimental study. *Journal of Nursing Advances in Clinical Sciences*. 2025;2(5):223-30.

59- Gholampour Z, **Rousta N**, Parsa G, Safari M. The Impact of Immediate Skin-to-Skin Contact Between Mother and Full-Term Newborn on Infant Growth and Development at Two Months of Age. *Journal of Child and Adolescent Psychiatric Nursing*. 2025;38(3):e70033.

## Language

*Farsi, English*