Dr. ABOLFAZL PAYANDEH

PERSONAL IDENTITY

Sex	: Male
Place/Date of Birth	: Iran/ May 22, 1982
Marital Status	: Married
Address	: Zahedan, Iran
E-Mail	: payandeh61@gmail.com
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EDUCATIONAL BACKGROUND

2012 – 2018   **Ph.D.** in Biostatistics at Shahid Beheshti University of Medical Sciences, Iran

Thesis: Bayesian M-Quantile Mixed Effects Regression for Multilevel Data and Its Application in modeling Iranian Households Health Expenditure Data, 2013

2009 – 2011   **M.Sc.** in Biostatistics at Mashhad University of Medical Sciences, Iran.

Thesis: Evaluation of Reference Values for Growth Indices Using Quantile Regression.

2002 – 2006   **B.Sc.** in Statistics at University of Mashhad, Iran.

Thesis: Evaluation of Effective Factors on BMI at Cardiovascular Ward of Emam-Reza Hospital of Mashhad, 2005.

CERTIFICATE

Ministry of Science, Research and Technology (MSRT) English Language Test : (Listening Comprehension: 22/30 Structure and Written Expression:19/30 Reading Comprehension: 25/40 Total Score: 66/100)

HONORES AND AWARDS

2012   **Rank 7** in The Nationwide Ph.D. Course Entrance Exam in Iran

2010   **Rank 1** in Employment Exam of Minisry of Power of Iran among More Than 100 Participants.

2009   **Rank 21** in The Nationwide M.Sc. Entrance Exam in Iran

2009   **Rank 1** among Accepted Biostatistics Students in Mashhad University of Medical Sciences, Iran

TEACHING EXPERIENCES

2015-now   Teaching a number of **"Biostatistics and Research Methods"** courses to the **MSc** students of Zahedan University of Medical Sciences (ZAUMS) in the fields of Physiotherapy, Epidemiology, Microbiology, Clinical Psychology, Health Education, and so on.

                Teaching a number of **"Biostatistics and Research Methods"** courses to the **BSc** students of Zahedan University of Medical Sciences (ZAUMS) in the fields of Optometry, Speech Therapy, Public Health, occupational health, environmental health, anesthesia, Radiology, Nursing, operation room, medicine, nutrition, and so on.

2013-2015   Teaching "**Biostatistics** " to BSc students in the fields of Radiology, occupational health, and public health, Shahid Beheshti University of Medical Sciences, Tehran, Iran

2012   Teaching "**SPSS Software**" in a Workshop for Medical Students (12 Hours), Shahid Beheshti University of Medical Sciences, Tehran, Iran

2012   Teaching "**How to Write a Proposal?**" in a Workshop for Medical Students, Mashhad University of Medical Sciences, Iran

2011   Teaching "**SPSS Software**" in a Series of Workshops for Medical Students, Three Workshops (50 Hours), Mashhad University of Medical Sciences, Iran

2011   Teaching "**Advanced Statistics**" for Community Medicine Students, Mashhad University of Medical Sciences, Iran

2011   Teaching "**Biostatistics and Research Methods in Nursing**" for Nursing Students at Torbat University of Medical Sciences, Iran

TRAINING EXPERIENCES

2017 Attendance at a Workshop Called "**An overview on quantile regression and its current advances using ranked set sampling**", Allameh-Tabatabaei University, Tehran, Iran

2016 Attendance at a Workshop Called "**Bayesian inference using OpenBUGs**", Statistical Research and Training Center (SRTC), Tehran, Iran

2014 Attendance at a Workshop Called "**Writing Article in English**", Shahid Beheshti University of Medical Sciences, Tehran, Iran

2014 Attendance at a Workshop Called "**Missing Data Analysis**", International Institute for Research in Fundemental Sciences, Tehran, Iran

2012 Attendance at a Workshop Called "**Validity and Reliability Analysis**", Iran University of Science and Technology

2010 Attendance at a Workshop Called "**Calculation of Sample Size with PASS Software**", Ferdosi University of Mashhad, Iran

2010 Attendance at a Workshop Called "**How to Write a Scientific Article**", Mashhad University of Medical Sciences, Iran

2007 Attendance at a Workshop Called "**Population and Housing Census**", Iran

2006 Attendance at a Workshop Called "**R Programming Language Training**", Ferdowsi University of Mashhad, Iran

2004 Attendance at a Course Called "**Learning Quality Engineering and Application of Minitab Software**", Kavosh-Pajoohane-Toos Company of Mashhad, Iran

PROFESSIONAL EXPERIENCES

2016-now Membership in Research Council of Health School, Zahedan university of medical sciences

2016-2018 Membership in Health Promotion Research Center, Zahedan university of medical sciences

2014-now Reviewer of Health Scope Journal [in English], Zahedan university of medical sciences

2014-now Membership in the Iranian Statistical Society

2014-now Membership in the editorial board of "Journal of Paramedical Sciences and Rehabilitatian", Mashhad university of medical sciences, Mashhad, Iran

2014-2015 Reviewer of Medical-Surgical Nursing Journal, Zahedan university of medical sciences [in Persian]

2014-now	Supervisor and Advisor in the number of MSc students' theses in Shahid Beheshti, Mashad, Kerman and Zahedan Universities of Medical Sciences
2014-2018	• Advisor of two PhD students' theses of medical sciences • Advisor of about 20 MSc students' theses of medical sciences • Advisor of about 15 students' theses of medical sciences
2011	Statistical reviewer at Annual Research Congress of Eastern Medical Sciences Students
2011	Supervisor of Quality Control Unit in PARTLIVE Corporation of Production of Automotive Parts
2010-2011	Statistics Expert at Informatics and Statistics Unit of Water and Sewage Corporation
2006	Statistics Expert at Population and Housing Census of Iran

PUBLICATIONS IN JOURNALS

1. **Payandeh A**, Mehrabi Y, Zayeri F, Ghahroodi ZR. Health Expenditure Modelling in Southeast of Iran: A Population-Based Setting Using Quantile Regression Perspective. Health Scope. 2017; 6(4):e64185.

2. Mehrabi Y, **Payandeh A**, Ghahroodi ZR, Zayeri F. Determinants of Households Health Expenditure: A Population-Based Study. Journal of Paramedical Sciences. 2018 May 8;9(2).

3. Amirian P, Bazrafshan E, **Payandeh A**. Optimisation of chemical oxygen demand removal from landfill leachate by sonocatalytic degradation in the presence of cupric oxide nanoparticles. Waste Management & Research. 2017; 35(6): 636-46.

4. Amirian P, Bazrafshan E, **Payandeh A**. Photocatalytic degradation of COD in dairy wastewater using CuO nanoparticles. Desalination and Water Treatment. 2017 Feb 1;65:274-83.

5. Amirian P, Bazrafshan E, **Payandeh A**. Textile wastewater treatment using photonanocatalytic process (UV/Cuo nanoparticles): Optimization of experiments by response surface methodology. Health scope. 2018.

6. Ebadinejad Z, Rassouli M, **Payandeh A**, Zahed Gh, Ilkhani M, Fathollahzade E, Torabi F. The Effect of aerobics on mild depression in Children with Cancer. Medical- Surgical Nursing Journal 2015; 4(3): 29-35.

7. Salehi M, Darchini-Maragheh E, **Payandeh A**, Behdani F, Ghasemzadeh H. Evaluation of Correlation between Depression, Anxiety and Stress, as DASS-21 Sub Scales, and High-Risk Behaviors in Teenagers, Living in Torghabeh-Shandiz Town of Iran. Journal of Patient Safety & Quality Improvement. 2017; 5(4)

8. Nakhjavanpour N, Ostadi Moghadam H, **Payandeh A**, Doroodgar F. Assessment of Age, Gender, and Refractive Errors on Central Corneal Thickness in Subjects Referring to Al-Zahra Eye Hospital of Zahedan. Journal of Paramedical Sciences and Rehabilitation. 2017;6(4)

9. Davoodi F, Atashzadeh-Shoorideh F, Shiri H, **Payandeh A**, Ilkhani M, Azimi H, Mahmoody S, Mohamadi M. Auditing of Discharge Education to Coronary Angiography Patients. Crit Care. 2016 Aug;9(3):e8079.

10. **Payandeh A**, Tabesh H, Shakeri M, Saki A, Safarian M. Growth curves of preschool children in the northeast of Iran: A population based study using quantile regression approach. Global Journal of Health Science. 2013; **5**(3)

11. **Payandeh A**, Saki A, Safarian M, Tabesh H, Siadat Z. Prevalence of malnutrition among preschool children in the northeast of Iran, A result of a population based study. Global Journal of Health Science. 2013; **5**(2)

12. **Payandeh A**, Shakeri M, Safarian M, Tabesh H. Application of nonparametric quantile regression for fitting height-for-age curves. Jundishapur Journal of Health Sciences. 2013

13. Nakhjavanpour N, Sedaghat MR, **Payandeh A**, Ostadimoghaddam H. The Determinants of Macular and Peripapillary Retinal Thickness Using Optical Coherence Tomography. Global Journal of Health Science. 2016

14. Nakhjavanpour N, **Payandeh A**, Rajabi M & Shoja V. Anterior Segment Eye Assessment Using Pentacam in the Southeast of Iran. Global Journal of Health Science. 2016

15. Nakhjavanpour N, **Payandeh A**, Hosseini R, Nasimi T, Bagherizadeh N. Strabismus and Color Vision Evaluation in Dentistry Students. Online International Interdisciplinary Research Journal. 2016

16. Baghestani A, **Payandeh A**, Soltani M, Asadi Z. Prognostic factors in birth time: a survival analysis. Journal of Paramedical Sciences (JPS). 2014; **5**(2).

17. Pazuki M, Hajifaraji M, Nikoosokhan M, Houshyarrad A, Pourebrahim T, Rashidkhani B, **Payandeh A**. The assosiation between parental behavior patterns and the dietary intake of preschool children in Tehran kindergartens. Nutrition and food sciences research. 2014; **1**(1): 27-32

18. Sarvi F, Mehrabi Y, Abadi AR, Nasehi M, **Payandeh A**. Relationship between socio-economic factors and tuberculosis using negative binomial and poisson regression models. Journal of Gorgan University of Medical Sciences. 2015; **16**(4). [Persian]

19. Imani A, Dabirian A, Safavibiat Z, **Payandeh A**. Examining the impact of nurse notification by phone (telenursing) on anxiety level of hospitalized patient's family in intensive care unit. Iranian Journal of Nursing Research. 2015; **9**(4). [Persian]

20. Azimi A, Razmjoo K, Heravian J, Khoshsima M.J, **Payandeh A**, Yekta A. Evaluation of pattern reversal visual evoked potential components in albinism. Journal of Paramedical Sciences and Rehabilitation. 2014; **3**(2). [Persian]

21. Ebadinejad Z, Rassouli M, **Payandeh A**, Zahed G, Mohalli F. The Effect of aerobics on Anxiety in Children with Cancer. Journal of Health Chimes. 2017; 4(4): 16-22

22. Ebadinejad Z, Rassouli M, **Payandeh A**, Zahed G, Dashtgard A, Sarvari M. The Effect of Rhythmic Movements on Mild Anxiety in Children of 7 to 12 Years Old with Cancer. Support Palliat Care Cancer. 2017;1(1):18-21. DOI: 10.21859/Spcc-01014

PUBLICATIONS IN CONFERENCES

1. **Payandeh A**, Mehrabi Y, Zayeri F, Rezaei Ghahroodi Z. M -Quantile Mixed Effects Regression Model: Bayesian Approach. 14th International Statistical Conference, University of Shahrood, Shahrood, Iran. 2018. (Oral Presentation)

2. Nakhjavanpour N, **Payandeh A**, Rajabi M & Shoja V. The relation between anterior segment parameters with age and gender using pentacam. 2th National Iranian Congress of Optometry. Zahedan University of Medical Sciences. 2016. (Oral Presentation)

3. Nakhjavanpour N, **Payandeh A**, Feyzollahi M, Nehbandani M, Sargolzai NJ. Prevalence of General Binocular Dysfunction in dentistry students. 16th National Iranian Congress of Optometry. Mashhad University of Medical Sciences. 2016. (Poster Presentation)

4. Nakhjavanpour N, **Payandeh A**, Hosseini SR, Nasimi T, Bagherizadeh N. Prevalence of General Binocular Dysfunction in a population of university students. 2th National Iranian Congress of Optometry. Zahedan University of Medical Sciences. 2016. (Oral Presentation)

5. Nakhjavanpour N, Sedaghat MR, Payandeh A, Ostadimoghaddam H. The determinants of macular and peripapillary retinal thickness using Optical Coherence Tomography. 16th Congress of Optometry. Mashhad University of Medical Sciences. 2016. ((Oral Presentation))

6. **Payande A**, Tabesh H, Doosti H, Fakoor V, Safarian M. Reference curves based on non-parametric Quantile Regression. The 12th Islamic Countries Conference on Statistical Sciences (ICCS-12), Qatar University, Doha, Qatar, December 19-22, 2012 (Oral Presentation)

7. Shakeri M, [*]**Payande A**, Esmaily H., "Height-for-age reference curves of preschool children living in the northeast of Iran: A quantile regression approach", The 12th Islamic Countries Conference on Statistical Sciences (ICCS-12), Qatar University, Doha, Qatar, December 19-22, 2012 (Oral Presentation)

8. [*]**Payande A**, Shakeri M, Esmaily H, Doosti H, Tabesh H. Reference curves based on non-parametric quantile regression", The 11th Iranian Statistical Conference, University of Science and Technology,Tehran, Iran, August 28 to 30, 2012 (Oral Presentation)

9. [*]**Payande A**. Quantile regression: overview and application to medicine", The 6th Statistical Conference, Payame Noor University of Ahvaz. February 23-24, 2011 (Oral Presentation)

10. [*]**Payande A**, Dahri M, Safarian M, Shakeri M. Urban – rural contrasts in the growth indices of under 5 years old boys in Khorasan, Iran. International Congress of Neonatal and Childhood nutrition, Growth and Development. Mashhad University of Medical Sciences of Iran. 2011(Poster Presentation)

11. **Payande A**, Dahri M, [*]Safarian M, Shakeri M., "Urban – rural contrasts in the growth indices of under 5 years old girls in Khorasan, Iran", International Congress of Neonatal and Childhood nutrition, Growth and Development, Mashhad University of Medical Sciences of Iran, 2011(Poster Presentation)

12. Esmaily H, Safarian M. [*]**Payande A**, Lotfi M. Evaluation of mother occupational status on growth and development of infants. International Congress of Neonatal and Childhood nutrition, Growth and Development, Mashhad University of Medical Sciences of Iran, 2011(Poster Presentation)

RESEARCH PROJECTS

1. Ministry of Health and Medical Education. Situation Analysis on Components of Iran Health Information System Based on Health Metric Network (HMN) Framework and National Reports. 2014

2. Mehrabi Y, Rezaee Z, **Payandeh A**, Khosravi A, Mohammadi G, Zahedian A. Evaluation of health situation of female headed households in Iran. 2013

3. Survey of Effective Factors on Cardiopulmonary Resuscitation Outcomes in Patients refer to Selected Hospitals of Zahedan University of Medical Sciences. 2015

4. Evaluation of reference values of growth indices using quantile regression, Mashahd University of Medical sciences, 2013 (Code: 900536)

5. Comparison of incidence rate of eye disorders between welders and non-welders in Zahedan, Zahedan University of Medical sciences, 2015

6. Evaluation of correlation between depression, anxiety and stress, as DASS-21 sub scales, and high-risk behaviors in teenagers, living in Torghabeh-Shandiz town of Iran.

7. Evaluation of Pattern Reversal VEP in Albino Patients with Normal People

8. Effect of nursing notification by phone (telenursing) on anxiety of family member of patients in intensive care units of imam Khomeini in Ilam city, 2011

9. Relationship between quality of care and length of stay in Neonatal Intensive Care Unit

10. Survey of family satisfaction of patient in Intensive Care Unit from nursing notification by phone (Telenursing).

11. Accordance Measure of Nursing Education Ccoronary Angiography Patients during Discharge with Standards at Shahid Beheshti University of Medical Sciences Secleted Hospitals in 2014

12. The Effect of Rythmic Movements on Mild Depression of Children with Cancer

13. Curriculum development associated with home health care, for mothers of children under hematopoietic stem cell transplant hospital of Tehran, 2013

RESEARCH INTERESTS

Quantile Regression Modelling, Baysian Inference, Hierarchical Modeling, Machine Learning

MEMBERSHIP

- Member of Iranian Statistical Society
- Member of Talented Students Office of Mashhad University of Medical Sciences, 2012

CONFERENCE ATTENDENCE

2018	14th International Statistical Conference, University of Shahrood, Shahrood, Iran
2012	11th International Statistical Conference, University of Science and Technology, Tehran, Iran
2011	7th Annual Research Congress of Eastern Medical Sciences Students of Iran
2011	International Congress of Neonatal and Childhood nutrition, Growth and Development. Mashhad University of Medical Sciences, Iran
2011	6th Statistical Conference, Payame Noor University of Ahvaz, Iran
2010	10th International Statistical Conference, University of Tabriz, Tabriz, Iran
2008	8th International Statistical Conference, University of Shiraz, Shiraz, Iran
2006	7th International Statistical Conference, University of Allame-Tabatabai , Tehran, Iran

ADDITIONAL INFORMATION

Computer skills	Achieved Extensive Knowledge of **R** Statistical Programming Language, **SPSS**, and **PASS.**
	Experienced in **Python** Programming Language.
	Microsoft Office (Word, Power Point, Excel) and Internet
Interests	Reading, Swimming, Hiking, Walking, Travelling
Abilities and Attitude	Ready to Work Within a Team; Ready to Hard Working, Fast and Accurately; Have a High Motivation to Learn and Try; Have a High Motivation to be a Successful Person; Discipline; Open-Minded**.**