

**Saeedeh Pourahmad**  
**Curriculum Vita**  
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**Personal:**

**Date and Place of Birth:** October 1979, Shiraz, IRAN

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**Education:**

1997-2001	B.Sc. (Statistics)	Shiraz University, Science college, Shiraz, Iran.
2001-2004	M.Sc.	Shiraz University of Medical Sciences, Biostatistics Department, Shiraz, Iran ( <b>Graduated as the First Rank</b> ).
2004-2010	Ph.D. (Biostatistics)	Shiraz University of Medical Sciences, Biostatistics Department, Shiraz, Iran. ( <b>Accepted in Entrance Exam as the Third Rank and graduated at the First Rank</b> )

**Teaching Experiences:**

2001- 2010	Student activities in Shiraz University of Medical Sciences Shiraz, Iran	Non-Linear Modelling, Applied Statistical methods, Mathematics courses.
2010- present	Faculty member of <b>Department of Biostatistics</b> , School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran	M.S. and Ph.D. Courses

**Publications:**

**Published papers:**

1. **S Pourahmad**, A Basirat, A Rahimi, M Doostfateme: Does Determination of Initial Cluster Centroids Improve the Performance of -Means Clustering Algorithm? Comparison of Three Hybrid Methods by Genetic Algorithm, Minimum Spanning Tree, and Hierarchical Clustering in an Applied Study, *Computational and Mathematical Methods in Medicine*, 2020, Article ID 7636857, 11 pages.
2. M Yazdanpanahi, SA Namazi, MB Shojaeifard, S Nematollahii, **S Pourahmad**: Evaluating the Effect of Jammer Radiation on Learning and Memory in Male Rats, *Journal of Biomedical Physics and Engineering*, 2020.
3. Somaye Kavousipor, Mehdi Rassafiani, Carl Gabbard, **Saeedeh Pourahmad**, Seyed Ali Hosseini, Farin Soleimani, Abbas Ebadi: Influence of the home affordances on motor skills in 3-to 18-month-old Iranian children, *Early Child Development and Care*, 2020: 1-8.
4. M Balvardi, **S Pourahmad**, S Kavousipor, H Raeisi Shahraki: How intensity of impairment and dose of occupational therapy services impact the outcome in cerebral palsy?, *Journal of Rehabilitation Sciences & Research*, 2020; 7 (1), 20-24.
5. **Saeedeh Pourahmad**, Peyman Jafari and Sara Ghodsi: Unsupervised neural network for evaluating the ability of the SF-36 instrument to differentiate individuals, *East Mediterr Health Journal*, 2019; 25(11):769-774.
6. Shahrokh Ezzatzadegan Jahromi, Faisal Ahmed, **Saeedeh Pourahmad**, Jamshid Roozbeh, Iraj Najafi, Vahid Ebrahimi: Predictors of peritoneal dialysis associated peritonitis; application of the zero-inflated negative binomial model, *Journal of Nephrology*, 2019; 8 (4), e36-e36.
7. Mitra Edraki, Zaynab Noeezad, Reza Bahrami, **Saeedeh Pourahmad**, Zahra Hadian Shirazi: Effect of Spiritual Care Based on "Ghalbe Salim" Model on Anxiety among Mothers with Premature Newborns Admitted to Neonatal Intensive Care Units, *Iranian Journal of Neonatology*, 2019 Mar: 10(1). DOI: 0.22038/ijn.2018.31210.1428.
8. **Saeedeh Pourahmad**, Soheila Rasouli-Emadi, Fatemeh Moayyedi, Hosseinali Khalili: Comparison of four variable selection methods to determine the important variables in predicting the prognosis of traumatic brain injury patients by support vector machine, *Journal of Research in Medical Sciences*, 2019; 2-97.

9. Mohammad Salehi-Marzijarani, Seyyed-Mohammad-Taghi Ayatollahi, **Saeedeh Pourahmad**, Marziyeh Zare, Payam Peymani: Network Clustering and Bibliometrics of Pharmacology and Pharmacy Research Outputs Published by Iranian Authors, **Journal of Research in Pharmacy Practice**, 2019; 8:13-9.
10. N Tayebi, Z Yazdanpanahi, S Yektatalab, **S Pourahmad**, M Akbarzadeh: The relationship between body mass index (BMI) and menstrual disorders at different ages of menarche and sex hormones, **Journal of the National Medical Association**, 2018; 110 (5), 440-447.
11. Siamak Yousefi, Golnoush Sadat Mahmoudi Nezhad, **Saeedeh Pourahmad**, Koenraad A. Vermeer, Hans G. Lemij: Distribution and rates of visual field loss across different disease stages in primary open-angle glaucoma, **Ophthalmology Glaucoma**, Vol. 1, number 1, July/August 2018 (<https://doi.org/10.1016/j.ogla.2018.05.005>).
12. Ahmed Mohammed Ali Hussein Alhurry, MA Akool, Seyed Vahid Hosseini, Hajar Khazraei, L Moosavi, **S Pourahmad**: Does perineal body thickness affect faecal incontinence in multiparous patients?, **South African Journal of Obstetrics and Gynaecology**, 2018; 24(3): 28-31.
13. Farideh Vaziri, Mahsa Shiravani, Fatemeh Sadat Najib, **Saeedeh Pourahmad**, Alireza Salehi, Zahra Yazdanpanahi: Effect of Lavender Oil Aroma in the Early Hours of Postpartum Period on Maternal Pains, Fatigue, and Mood: A Randomized Clinical Trial, **International Journal of Preventive Medicine**, November 5, 2018, IP: 176.123.127.3.
14. Naeimeh Tayebi, Zahra Yazdanpanahi, Shahrzad Yektatalab, **Saeedeh Pourahmad**, Marzieh Akbarzadeh: The relationship between body mass index (BMI) and menstrual disorders at different ages of menarche and sex hormones, **Journal of the national medical association**, VOL. 110, NO 5, OCTOBER 2018.
15. Farideh Vaziri, Zahra Sahebkar, Reza Bahrami, **Saeedeh Pourahmad**, Sara Azima: Lavender oil aromatherapy on infantile colic and maternal mood: A double blind randomized clinical trial, **Pharmaceutical Sciences**, March 2018, 24, 38-43.

16. Sara Setodeh, **Saeedeh Pourahmad**, Marzieh Akbarzadeh: A study of the efficacy of fathers' attachment training on paternal-fetal attachment and parental anxiety, *Family Medicine and Primary Care Review*, 2017; 19(4):393-398.
17. Hadi Raeisi Shahraki, **Saeedeh Pourahmad** and Najaf Zare: K Important Neighbors: A Novel Approach to Binary Classification in High Dimensional Data, *BioMedical Research International*, Volume 2017, Article ID 7560807, 9 pages.
18. Farideh Vaziri, Mahsa Shiravani, Fatemeh Sadat Najib, **Saeedeh Pourahmad**, Alireza Salehi, Zahra Yazdanpanahi: Effect of Lavender Oil Aroma in the Early Hours of Postpartum Period on Maternal Pains, Fatigue, and Mood: A Randomized Clinical Trial, *International Journal of Preventive Medicine*, May 6, 2017, IP: 176.123.103.114.
19. Mitra Edraki, Narges Parvizi, Sedighe Montaseri and **Saeedeh Pourahmad**: The relationship between academic motivation and general health and the effective factors on this relationship in female high school student, *International Journal of School Health*, 2017 January; 4(1):e39712.
20. **Saeedeh Pourahmad**, Esmael Hamdami, Farideh Vaziri, Khadijeh Bazrafshan: A Comparison of the Effective Factors of Preterm Birth Versus Low Birth Weight in Southern Iran Using Artificial Neural Network, *International Journal of Women's Health and Reproduction Sciences*, Vol. 5, No. 1, January 2017, 55–59.
21. Mehdi Birjandi, SeyyedMohammad Taghi Ayatollahi, **Saeedeh Pourahmad**: The Reliability of Classification of Terminal Nodes in GUIDE Decision Tree to Predict the Nonalcoholic Fatty Liver Disease, *Computational and Mathematical Methods in Medicine*, Volume 2016, Article ID 3874086, 11 pages.
22. Hadi Raeisi Shahraki, Saeedeh Pourahmad, and SeyyedMohammad Taghi Ayatollahi: Identifying the Prognosis Factors in Death after Liver Transplantation via Adaptive LASSO in Iran, *Journal of Environmental and Public Health*, Volume 2016, Article ID 7620157, 6 pages.
23. Farideh Vaziri, Amene Arzhe, Nasrin Asadi, **Saeedeh Pourahmad**, and Zeinab Moshfeghy: Spontaneous Pushing in Lateral Position versus Valsalva Maneuver During Second Stage of Labor on Maternal and Fetal Outcomes: A Randomized Clinical Trial, *Iran Red Crescent Med J*. 2016 October; 18(10):e29279.

24. Mehdi Birjandi, Seyyed Mohammad Taghi Ayatollahi, **Saeedeh Pourahmad**, and Ali Reza Safarpour: Prediction and Diagnosis of Non-Alcoholic Fatty Liver Disease (NAFLD) and Identification of Its Associated Factors Using the Classification Tree Method, **Iran Red Crescent Med J**. 2016 August 9.:e32858.
25. **Saeedeh Pourahmad**, Iman Hafizi-Rastani, Hosseinali Khalili, Shahram Paydar: Identifying important attributes for prognostic prediction in traumatic brain injury patients: a hybrid method of decision tree and neural network, **Methods of Information in Medicine**, 2016; 55: 389-477.
26. Marzieh Akbarzadeh, Marzieh Moattari, Nasrin Bahmani, Batol Bonyadpour and **Saeedeh Pourahmad**: Comparison of the effects of educational programs on the development of infants aged 1-3 months based on the BASNEF model and application of acupressure on the GB-21 point, **Iranian J of neonatology**, 2016;7(2): 20-27.
27. Hadi Raeisi Shahraki, **Saeedeh Pourahmad**, Shahram Paydar, Mohsen Azad: Improving the accuracy of early diagnosis of thyroid tumor's type based on SCAD method, **Asian Pacific J of cancer prevention**, 2016; 17(4):1861-4.
28. **Saeedeh Pourahmad**, Mahmood Kharrati-Kopaei, Zahra Hosseini-Moghadam, Sadat Nouri, Mojgan Akbarzadeh Jahromi: An optimal combination of several immunohistochemical markers for diagnosis of classical Hodgkin lymphoma (CHL) based on the Neyman-Pearson Lemma, **Advances and Applications in Statistics**, 2016; 48(5): 369-389.
29. **Saeedeh Pourahmad**, Soudabeh Pourhashemi, Mohammad Mohammadianpanah: Colorectal Cancer Staging using three clustering methods based on Preoperative clinical findings, **Asian Pacific J of cancer prevention**, 2016; 17(2): 823-827.
30. Shahram Paydar, **Saeedeh Pourahmad**, Mohsen Azad, Shahram Bolandparvaz, Reza Taheri, Zahra Ghahramani, Ali Zamani, Marjan Jeddi, Fariba Karimi, Mohammad Hossein Dabbaghmanesh, Mesbah Shams, Hamid Reza Abbasi: The Evolution of a Malignancy Risk Prediction Model for Thyroid Nodules Using the Artificial Neural Network, **Middle East Journal of Cancer**, 2016; 7(1): 47-52.
31. **S. Pourahmad**, M Azad, Sh Paydar: Diagnosis of Malignancy in Thyroid Tumors by Multi-Layer Perceptron Neural Networks With Different Batch Learning Algorithms, **Global Journal of Health Science**, 2015; 7(6): 46-54.

32. Shapour Omidvari, Samira Razzaghi, Ali Zamani, Hamid Nasrolahi, Sayed Hasan Hamed, Ahmad Mosalaei, Niloofar Ahmadloo, Mansour Ansari, **Saeedeh Pourahmad**, Mohammad Mohammadianpanah: Rate and Time of Ovarian Function Restoration in Menopausal Breast Cancer Patients Who Received Letrozole Following Chemotherapy, *Middle East Journal of Cancer*, 2015;6(1): 35-42.
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35. Shapour Omidvari, Shadi Zohourinia, Mansour Ansari, Leila Ghahramani, Mohammad Zare-Bandamiri, Ahmad Mosalaei, Niloofar Ahmadloo, **Saeedeh Pourahmad**, Hamid Nasrolahi, Sayed Hasan Hamed, Mohammad Mohammadianpanah: Efficacy and Safety of Low-Dose\_Rate Endorectal Brachtherapy as a Boost to Neoadjuvant Chemoradiation in the Treatment of Locally Advanced Distal Rectal Cancer: A Phase-II Clinical Trial, *Annals of Coloproctology*, 2015 ;31(4):123-130.
36. Somayeh Kavousipour, Ali Noorafshan, **Saeedeh Pourahmad** and Ali Dehghaninazhvani: Achievement motivation level in students of Shiraz University of Medical Sciences and its influential factors, *J of advances in Medical Education & Professionalism*, 2015; 3(1): 26-32.
37. Ali Noorafshan, **Saeedeh Pourahmad** , Mohammad-Mehdi Sagheb, Ali Dehghaninazhvani, Ali Dehshahri, Manijeh Abdolahi, Zeynab Mohhebi, Zahra Keshtkaran, Afsaneh Ahmadi, Somayeh Kavousipour, Fariba Farahmand, Hamidreza Khorshidi, Robabeh Soltani, Saied Karbalay-Doust: The students' intentions and satisfaction with the field of study and university, *J of advances in Medical Education & Professionalism*, 2014;2(4): 176-182.
38. M. Akbarzadeh, N. Bahmani, M. Moattari, **S. Pourahmad**: The Effects of Training Based on BASNEF Model and Acupressure at GB21 Point on the Infants' Physical Growth Indicators, *Iranian Journal of Neonatology*, 2014; 5(4): 18-24.

39. **S. Pourahmad**, B. Khosravi, M. Mohammadianpanah: Effective Attributes in Colorectal Cancer Relapse Using Artificial Neural Network and Cox Proportional Hazards Regression, *Annals of Colorectal Research*, 2014 June; 2(2): e22329.
40. **S. Pourahmad**, A. R. Safarpour, A. M. Bananzadeh, S. Rahimikazerooni, Z. Zabangirfard: A Pilot study on Prediction of Pouchitis in Ulcerative Colitis Patients by Decision Tree Method Versus Logistic Regression Analysis, *Annals of Colorectal Research*, 2013; 1(2): 67-70.
41. M. Mohammadianpanah, L. Ghahramani, S. Razzaghi, **S. Pourahmad**: Adequacy of Lymph Node Staging in Colorectal Cancer: Analysis of 250 Patients and Analytical Literature Review, *Annals of Colorectal Research*, 2013; 1(1): 3-11.
42. L. Ghahramani, L. Moaddabshoar, S. Razzaghi, S. H. Hamedi, **S. Pourahmad**, M. Mohammadianpanah: Prognostic Value of Total Lymph Node Identified and Ratio of Lymph Nodes in Resected Colorectal Cancer, *Annals of Colorectal Research*, 2013; 1(3): 81-91.
43. M. Kargar, N. Jamali Moghadam, M. Moattari, M. H. Fallah Zadeh, **S. Pourahmad**: The Effect of Education by Peers and Health Personnel on the Osteoporosis Knowledge and Health Beliefs in Adolescents with Nephrotic Syndrome, *IJCBNM*, 2013; 1(3): 137-146.
44. M. Akbarzadeh, N. Bahmani, M. Moatari, **S. Pourahmad**: The impact of the BASNEF educational programme on breastfeeding behaviour in Iran, *British Journal of Midwifery*, 2013; 21(4): 276-284.
45. Sh. Omidvari, S. H. Hamedi, M. Mohammadianpanah, S. Razzaghi, A. Mosalaei, N. Ahmadloo, M. Ansari, **S. Pourahmad**: Comparison of abdominoperineal resection and low anterior resection in lower and middle rectal cancer, *Journal of the Egyptian National Cancer Institute*, 2013; 25: 151–160.
46. **S. Pourahmad**, S.M.T. Ayatollahi , S.M. Taheri and Z. Habib Agahi: Fuzzy Logistic Regression based on Least Squares Approach with Application in Clinical Studies, *Computers and Mathematics with Application*, 62, 2011, 3353-3365.

47. **S. Pourahmad**, S.M.T. Ayatollahi and S.M. Taheri, Fuzzy logistic regression, a new possibilistic regression and its application in clinical vague status, *Iranian Journal of Fuzzy Systems*, 8, 2011, 1-17.
48. Ayatollahi SM, **Pourahmad S**. "Height and weight of primary schoolchildren in Shiraz city, southern Iran, 2002", *American Journal of Human Biology*, 2006 Nov-Dec; 18(6):838-40 .
49. Ayatollahi SM, **Pourahmad S**, Shayan Z. "Trend in physical growth among children in southern Iran, 1988-2003", *Annual of Human Biology*, 2006 Jul-Aug; 33(4):510-4.
50. Ayatollahi SM, **Pourahmad S**, " Height and weight of school children of Shiraz in relation to the CDC growth charts and the previous study in shiraz (15 years ago)". *Journal of research in Medical Sciences*, 2006 Nov-Dec;11(6):375-381.
51. Ayatollahi SM, **Pourahmad S**, Shayan Z. " Secular trends in growth among school children of Shiraz (southern Iran) born in the post-war period". *Medical Journal of the Islamic Republic of Iran*. 2006 -Nov; 20(3):141-6.
52. Hosseini SV, Bananzadeh AM, Rivaz M, Sabet B, Mosallae M, **Pourahmad S**, Yarmohammadi H. " The comparison between drainage, delayed excision and primary closure with excision and secondary healing in management of pilonidal abscess", *International Journal of Surgery*, 2006; 4(4):228-31. Epub 2006 May 22.
53. Hosseini SV, Torabijahromi M, Mosallaei M, Sabet B, **Pourahmad S**, "The effect of season and Ramadan fasting on the onset of acute cholecystitis", *Saudi Medical Journal*, 2006 Apr; 27(4):503-6 .Links
54. Hosseini SV, Sharifi K, Ahmadfard A, Mosallaei M, **Pourahmad S**, Bolandparvaz S. " Role of internal sphincterotomy in the treatment of hemorrhoids: a randomized clinical trial". *Archives of Iranian Medicine*. 2007 Oct;10(4):504-8.

### مقالات فارسی:

- ۱- میترا عباسی، مرضیه معطری، سعیده پوراحمد، " رضایتمندی بیماران از مراقبت های پرستاری بازتابی از اجرای نظام حاکمیت خدمات بالینی"، مرکز تحقیقات مراقبتهای پرستاری دانشگاه علوم پزشکی ایران( نشریه پرستاری ایران)، دوره ۲۸، شماره ۹۷، دی ماه ۹۴، ۳۴-۴۱.
- ۲- سعیده پوراحمد، سید محمد تقی آیت اللهی، سید محمود طاهری، زهرا حبیب آگهی: مدلسازی موقعیتهای مبهم تشخیصی در پزشکی با استفاده از رگرسیون لجستیک فازی، سری دوم سیستمهای فازی و محاسبات نرم، ۱۳۹۰.



۳- سید محمد تقی آیت اللهی، سعیده پوراحمد، محمدعلی وکیلی، سید محمد تقی حیدری، "آشنایی با مدل پروبیت و کاربرد آن در داده های پزشکی"، سال دهم، شماره ۱، بهار و تابستان ۱۳۸۴.

۴- دکتر سید وحید حسینی، دکتر کوروش کاظمی، دکتر بابک ثابت، دکتر مهوش علیزاده نایینی، دکتر نجمه روشن، سید حسین حسینی، سعیده پوراحمد، "درمان هموروئید درجه ۲ و ۳: استفاده از جراحی یا حلقه پلاستیکی؟ مقایسه نتیجه درمانی کوتاه مدت بیماران"، نشریه جراحی ایران، دوره ۱۲، شماره ۳ و ۴، سال ۱۳۸۴.

۵- دکتر مسعود فتحی، دکتر سعیده پوراحمد، دکتر سید وحید حسینی، "مقایسه عوارض هر نیوپلاستی با متد لیختن اشتاین به دو روش بیهوشی عمومی و بی حسی موضعی در ۱۲۰ مورد، بیمارستان نمازی شیراز"، نشریه جراحی ایران، دوره ۱۳، شماره ۳۴، سال ۱۳۸۴.

### **Abstract in Conferences:**

1. L. Ghahramani, **S. Pourahmad**, M. Mohammadianpanah: Prognostic value of total number of lymph nodes identified and ratio of lymph nodes in resected colorectal cancer, 6th Asian Oncology Summit and 10th Annual Conference of the Organisation for Oncology and Translational Research, 2014.03.062 (poster).
2. **S. Pourahmad**, M. Azad, Sh. Paydar and H. R. Abbasi: Prediction of Malignancy in Suspected Thyroid Tumour Patients by Three Different Methods of Classification in Data Mining, First International Conference on Advanced Information Technologies and Applications (ICAITA), Dubia 2012, (oral presentation).
3. **S. Pourahmad**, S.M. Taheri and S.M.T. Ayatollahi : Least Squares Fuzzy Logistic Regression, A New Model in Clinical Diagnosis, 2011 IFSA World Congress, 21-25 June, Indonesia, (oral presentation).
4. **S. Pourahmad**, S.M.T. Ayatollahi , S.M. Taheri, "Fuzzy logistic regression, a new possibilistic model and its applications in clinical vague status ", 3rd Workshop on Fuzzy Statistics and Probability, Department of Mathematical Sciences, Isfahan University of Technology, May 2009, (oral presentation).

۵. سعیده پوراحمد، سید محمد تقی آیت اللهی، سید محمود طاهری، "رگرسیون لوجستیک فازی، یک مدل امکانی جدید و کاربرد آن در موقعیتهای مبهم پزشکی"، سومین کنگره مشترک سیستمهای فازی و هوشمند، یزد، تیرماه ۱۳۸۸، (سخنرانی).

۶. عبدالرضا رجایی فرد، سعیده پوراحمد، "روش احتمالی ساختن جداول عمر ریسکهای رقیب"، هشتمین کنفرانس آمار ایران، شیراز، مردادماه ۱۳۸۵، (سخنرانی).

### **Other scientific activities:**

- 1- Statistical Reviewer in **The Iranian Red Crescent Medical Journal**, January 2011- September 2011.
- 2- Statistical Reviewer in **MEDIA** (مجله دانشگاهی یادگیری الکترونیکی شیراز), January 2012- March 2016.
- 3- Statistical Reviewer in **JHSS**, 2014- **present**.
- 4- Statistical Reviewer in **JAMP**, 2015- **present**.
- 5- Member of **Statistical Society**, January 2009-**present**.
- 6- Member of **Colorectal Research Center**, Shiraz, Iran, March 2011- **present**.
- 7- Member of **Bioinformatics and Computational Biology** research center, Shiraz, Iran, Sep. 2016- **present**.