

**CURRICULUM VITAE
JALAL CHACHI**

Curriculum Vitae e Pubblicazioni più significative del visiting

Education

Ph.D.: (September, 2007 - October, 2012)

Department of Mathematical Sciences, Isfahan University of Technology, Isfahan, 84156-3111, Iran

Title of Ph.D. Thesis: Statistical Methods for Non-Precise Information

M.Sc.: (September, 2004 - August, 2007)

Department of Statistics, School of Sciences, Ferdowsi University, Mashhad, Iran

Title of M.Sc. Thesis: Asymptotic Behavior of the Unconditional NPMLE of the Length-Biased Survivor Function from Right Censored and Left Truncated Data

B.Sc.: (September, 2000 - July, 2004)

Department of Statistics, Faculty of Sciences, University of Birjand, South Khorasan, Iran.

Courses Taught

Courses Taught at the Undergraduate Level:

- a) Statistical Inference I (Estimation)
- b) Statistical Inference II (Testing Hypothesis)
- c) Advanced Topics in Statistical Evidence
- d) Probability Theory I
- e) Real Analysis

Courses Taught at the Postgraduate Level:

- a) Fuzzy Sets and Fuzzy Logic
- b) Fuzzy Probability and Statistics
- c) Neural Networks and Fuzzy Logic
- d) Advanced Statistical Inference (Estimation)
- e) Advanced Topics in Stochastic Processes
- f) Advanced Topics in Bayesian Statistics
- g) Topology
- h) Random Sets

Academic Employment

- a) Lecturer, Isfahan University of Technology, Isfahan, Iran 2007-2011
- b) Ph.D. Student, Isfahan University of Technology, Isfahan, Iran 2007-2012
- c) Assistance Professor, Semnan University, Since 2012 to 2017
- d) Assistance Professor, Shahid Chamran University of Ahvaz, Since 2017 to present.

Research Interest

- a) Fuzzy Statistics and Fuzzy Probability
- b) Fuzzy Measures
- c) Fuzzy Regression
- d) Modeling in Non-Precise Environments
- e) Fuzzy Logic
- f) Statistical Inference
- g) Bayesian Statistic

Papers Presented in Journals (In English)

1. Chachi, J., and Taheri, S.M., Fuzzy confidence intervals for mean of Gaussian fuzzy random variables, *Expert Systems with Applications*, Vol. 38, pp. 5240-5244, (2011).
2. Chachi, J., Taheri, S.M., and Viertl, R., Testing statistical hypotheses based on fuzzy confidence intervals, *Austrian Journal of Statistics*, Vol. 41, No. 4, pp. 267-286, (2012).
3. Chachi, J., and Taheri, S.M., A unified approach to similarity measures between intuitionistic fuzzy sets, *International Journal of Intelligent Systems*, Vol. 28, No. 7, pp. 669-685, (2013).
4. Chachi, J., and Taheri, S.M., A least-absolute regression model for imprecise response based on the generalized Hausdorff-metric, *Journal of Uncertain Systems*, Vol. 7, No. 4, pp. 265-276, (2013).
5. Hesamian, G., and Chachi, J., Two-sample Kolmogorov-Smirnov fuzzy test for fuzzy random variables, *Statistical Papers*, Vol. 56, pp. 61-82 (2013).
6. Hesamian, G., and Chachi, J., Fuzzy Sign test for imprecise quantities: a p-value approach, *Journal of Intelligent and Fuzzy Systems*, Vol. 27, pp. 3159-3167 (2014).
7. Chachi, J., Taheri, S.M., and Arghami, N. R., A hybrid fuzzy regression model and its application in hydrology engineering, *Applied Soft Computing*, Vol. 25, pp. 149-158, (2014).
8. Chachi, J., Taheri, S.M., and Rezaee Pazhand, H., Suspended load estimation using L1-Fuzzy regression, L2-Fuzzy regression and MARS-Fuzzy regression models, *Hydrological Sciences Journal*, Vol. 61, No. 8, pp. 1489-1502, (2016).
9. Hesamian, G., and Chachi, J., Interval-valued parametric distribution functions: Methodologies and applications. *Journal of Mathematical Extensions*, Vol. 10, No. 1, pp. 87-105, (2016).
10. Chachi, J., Taheri, S.M., Multiple fuzzy regression model for fuzzy input-output data, *Iranian Journal of Fuzzy Systems*, Vol. 13, No. 4, pp. 63-78, (2016).
11. Chachi, J., Taheri, S.M., Fattahi, S., and Hosseni Ravandi, S.A., Two robust fuzzy regression models and their applications to predict imperfection of cotton yarn. *Journal of Textiles and Polymers*, Vol. 4, No 2, pp. 60-68, (2016).
12. Chachi, J., and Roozbeh, M., A fuzzy robust regression approach applied to bedload transport data. *Communications in Statistics-Simulation and Computation*, Vol. 46, No 3, pp. 1703-1714, (2017).
13. Hesamian, G., and Chachi, J., On similarity measures for fuzzy sets with applications to pattern recognition, decision making, clustering, and approximate reasoning, *Journal of Uncertain Systems*, Vol. 11, No 1, pp. 35-48, (2017).
14. Chachi, J., Bootstrap Approach to the One-Sample and Two-Sample Test of Variances of a FRV, *Statistics, Optimization and Information Computing*, Vol. 5, pp. 188-199, (2017).
15. Chachi, J., On distribution characteristics of a FRV, *Austrian Journal of Statistics*, Vol. 47, No. 2, pp. 53-67, (2018).
16. Chachi, J., Taheri, S.M., Optimal Statistical Tests Based on Fuzzy Random Variable, *Iranian Journal of Fuzzy Systems*, Vol. 15, No. 5, pp. 27-45, (2018).
17. Chachi, J., A weighted least-squares fuzzy regression for crisp input-fuzzy output data, *IEEE Transactions on Fuzzy Systems*, Vol. 27, No. 4, pp. 739-748 (2019).

Seminars and Conferences:

1. Chachi, J., and Taheri, S.M., Two general classes of similarity measures on intuitionistic fuzzy sets, In *Proceedings of the 11th International Conference on Intelligent Technologies*, Bangkok, Thailand, December 14-16, pp. 88-92, 2010.
2. Chachi, J., and Taheri, S.M., Fuzzy statistical tests based on fuzzy confidence intervals, In *Proceedings of the World Congress of International Fuzzy Systems Association and Asia*

Fuzzy Systems Society International Conference, Surabaya-Bali, Indonesia, ISBN: 978-602-99359-0-5, 21-25 June, 2011.

3. Chachi, J., and Taheri, S.M., A least-absolutes approach to multiple fuzzy regressions, In Proceedings of the 58th ISI Congress, Dublin, Ireland, paper CPS077-01, 21-26 August, 2011.

4. Chachi, J., Taheri, S.M., and Rezaei-Pazhand, H., An interval-based approach to fuzzy regression for fuzzy input-output data, In Proceedings of the IEFF International Conference on Fuzzy Systems, Taipei, Taiwan, pp. 2859-2863, June 27-30, 2011.

5. Chachi, J., Taheri, S.M., and Rezaei-Pazhand, H., Suspended load estimation using a novel MARS-Fuzzy regression model, 6

th International Conference on Fuzzy Information and Engineering, October 25-26, 2012, (Babolsar, Iran).

6. Taheri, S.M., Chachi, J., Suspended load estimation using a MARS-Fuzzy regression model.

7. Chachi, J., Taheri, S.M., Fuzzy regression: M-estimation approach, 1

th National Conference on Soft Computing, Guilan University, Iran, November, 18 & 19, 2015 (Paper Number: CSC15-02670307).

8. Chachi, J., A New Similarity Measure for Fuzzy Sets: Application to Approximate Reasoning, 13th Iranian Statistical Conference, Shahid Bahonar University of Kerman, 24-26 August 2016, pp.168-173.

9. Chachi, J., A WEIGHTED LEAST-SQUARES APPROACH FOR THE DETECTION AND DOWN-WEIGHTING OF OUTLIERS FOR FUZZY REGRESSIONS, 7

th seminar on Fuzzy Statistics and Probability, University of Birjand, May 3-4, 2017, pp. 11-18. (ISC).

10. Chachi, J., Fuzzy modeling using the similarity-based approximate reasoning System. The 16th International Conference on Information and Management Sciences (August 4th-9th

, 2017, Urmuqi and Yili, China. <http://orssc.edu.cn/ims>), Vol. 16, pp. 53-62.

11. Taheri, S.M., Chachi, J., A Robust Variable-Spread Fuzzy Regression Model, 7

th World Conference on Soft Computing, Baku, Azerbaijan May, 29-31, 2018. (Series in Soft Computing, ISI Index).

12. Chachi, J., Taheri, S.M., Outlier Detection in Fuzzy Regressions, 7

th World Conference on Soft Computing, Baku, Azerbaijan May, 29-31, 2018. (Series in Soft Computing, ISI Index).

Win and Honors:

1. The award of best Ph.D. Theses given by Iranian Fuzzy Systems Society in 2012.

2. The award of best paper for the paper "Chachi, J., Fuzzy modeling using the similarity-based approximate reasoning system. The Sixteenth International Conference on Information and Management Sciences (August 4th-9th

, 2017, Urmuqi and Yili, China. <http://orssc.edu.cn/ims>), Vol. 16, pp. 53-62."