

Seyed Bagher Mirashrafi

Academic Background:

B.Sc. in Statistics, Ferdowsi University of Mashhad, School of Mathematical Sciences, Mashhad, Iran, April 1989,

M.Sc. in Mathematical Statistics, Ferdowsi University of Mashhad, School of Mathematical Sciences, Mashhad, Iran, January 1993, Thesis: "Overview of inductive expert systems and its application in statistics."

PhD candidate in **Data Mining**, Karlsruhe Institute of Technology, Karlsruhe, Germany, Expected Completion date till October 2012, Dissertation: "Using the Dynamic Data Mining Methods on the NOET Database of Iran".

Work Experience:

2003-2008: Academic Staff At Faculty of Mathematical Sciences, University of Mazandaran, Babolsar, Iran

2000-2003: Statistical Analyst at the Institute for Technological Development Studies, Iranian Research Organization for Science and Technology, Tehran, Iran

1995-1999: Statistical Analyst and Director at Engineering and Consulting Hooshmand Khorasan, Mashhad, Iran

1989-1997: Consultant and Instructor at Faculty of Basic Sciences, University of Ferdowsi, Mashhad, Iran

Computer Skills:

Programming Languages: FORTRAN, PL1, PASCAL, C,

Statistical Packages: SPSS, STATGRAPH, SAS, MINITAB, SPLUS, R,

Mathematical Packages: MATLAB, MathCAD,

Simulation Tools: GPSS, ARENA, TYLUR ED,

Data Mining Tools: SPSS Clementine, Rapid Miner, SAS Enterprise Miner, and Weka.

Research Interests:

- Applied Statistics
- Data Analysis
- Data Mining
- Induction Expert System
- Fuzzy logic

Teaching experiences:

Instructor at the:

University of Ferdowsi and University of Mazandaran, The following courses:

- 1- Statistics and Probability (1) , (2) (for Dept. of Mathematics)
- 2- Statistics (1), (2) (for Dept. of Statistics)
- 3- Sampling Techniques (1), (2) (for Dept. of Statistics)
- 4- Nonparametric Statistics (for Dept. of Statistics)

- 5- Design and Analysis of Experiments (1) , (2) (for Dept. of Statistics)
- 6- Simulation Modeling and Analysis (for Dept. of Statistics)
- 7- Regression Analysis (for Dept. of Statistics)
- 8- Statistical Computing (for Dept. of Statistics)
- 9- Data Analysis (for Dept of Statistics)
- 10- Statistical Modern Techniques (for Dept. of Statistics)
- 11- Statistics (1), (2) (for Dept. of Economics)
- 12- Statistics and Probability (for Agriculture Sciences)
- 13- Statistics and Probability (for College of Engineering)

List of Publications:

Books:

- (1) Trans. Stochastic Process of Radni Kolman , Publisher: Nima, Mashhad, Iran, 1992
- (2) Trans. Java, Java, Java: Object-Oriented Problem Solving of Ralph Morelli, Publisher: Jungle, Iran, 2007 (Editor)

Conferences:

- (3) Induction Expert Systems and its Applications in Statistics, First Iranian Statistics Conference, May 1992, Isfahan University of Technology, Isfahan, Iran
- (4) Expert Systems and its Applications in Statistics, Aug 1992, Seminar on Fuzzy Sets and Applications, Mahani Mathematical Research Center, University of Shahid Bahonar, Kerman, Iran
- (5) Evaluation of Hexamethylene Diisocyanate (HDI) as an Indoor Air Pollutant in the Polyurethane Factories, International Conference on Environment, 2008, Pulau Pinang, Malaysia
- (6) Data Mining and Optimization for Decision Making, May 2009, 2nd International Conference, of Iranian Operation Research Society, Babolsar, Iran

Journals:

- (7) Studying the Relationship between Categories Body Fat Percent and Body Mass Index in the Untrained Boys and Girls Students, Journal of Sports Sciences, University of Mazandaran, Iran, No 2, Autumn & Winter 2005
- (8) Assess risk factors for air pollution in the polyurethane industries, with emphasis on practitioners with Hexamethylene Diisocyanate (HDI), Journal of Energy and Environmental Engineering, Iran, No 1, Autumn 2009
- (9) Indoor Air Pollution Study on Toluene Diisocyanate (TDI) and Biological Assessment of Toluene Diamine (TDA) in the Polyurethane Industries, World Applied Sciences Journal 6 (2): 242-247, 2009
- (10) Indoor Air Pollution Evaluation with Emphasize on HDI and Biological Assessment of HDA in the Polyurethane Factories, Environ Monit Assess, Springer Science + Business Media B.V., May 2009
- (11) Evaluation of Methylene Diphenyl Diisocyanate as an Indoor Air Pollutant and Biological Assessment of Methylene Dianiline in the Polyurethane Factories, Indian Journal of Occupational and Environmental Medicine, April 2009