

CURRICULUM VITAE

November 2015

Mr. Mehdi Shirmaleki

Birth Date: Sep 17th, 1983

CONTACT INFORMATION

- ♦ **Home Address:** 205-3771 Bartlett Court, Burnaby, BC, Canada
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- ♦ **University Address:** Department of Statistics and Mathematics, Iran University of Science & Technology, Narmak, Tehran, Iran
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EDUCATIONAL BACKGROUND

- ♦ **M.Sc. in Mathematical Statistics Iran University of Science & Technology, Tehran, Iran**
Supervisor: Dr. Gholam Hossein Yari
GPA: **16.32/20**
M.Sc. Thesis: Fuzzy Entropy (Score **18/18** + **0.75/2** (Grade of Paper) = **18.75/20**)

September 2006 – September 2008

- ♦ **B.Sc. in Statistics**
Tabriz University , Tabriz , Iran
Advisor: Dr. Haydari
GPA: 14.21/20
B.Sc. Thesis: Parameters Estimation of Generalized Pareto Distribution by Simulation

September 2002 - July 2006

- ♦ Diploma in Mathematics and Physics
Shariati High School, Kordestan, Iran
GPA: **16.01/20**

1997 - 2001

RESEARCH INTERESTS

- ♦ Machine Learning
- ♦ Monte Carlo Simulation
- ♦ Bioinformatics
- ♦ Data Mining
- ♦ Information Theory
- ♦ Fuzzy Entropy
- ♦ Rough Sets Theory
- ♦ Image Processing
- ♦ Data Analysis

PUBLICATIONS

- ♦ **Conferences:**
 - **Shirmaleki, M.**, Yari, Gh., and Ansari, H., "Maximum entropy density estimation with grouped data", 9th Iranian Statistical Conference , 2008.
 - **Shirmaleki, M.** "Seismic hazard analysis in fuzzy set by using of simulation and cross-entropy", 9th Iranian Statistical Conference, 2008.

Teaching Experience

- ♦ **Lecturer**
 - "Simulation", "Engineering Statistics & Probabilities", "Mathematical Statistics", "Design of Experiments", "Preliminary Statistics", (Undergraduate Course) Bu-Ali Sina University, Hamedan, Iran. *2010– 2014*
 - "Regression", "Time Series", "SPC", "Probabilities", "Stochastic Processing", (Undergraduate Course), Payame Noor University, Hamedan, Iran. *2009 - 2013*

	<ul style="list-style-type: none"> - “Engineering Statistics & Probabilities”, “Mathematical Statistics”, “Design of Experiments”, (Undergraduate Course), Payame Noor University, Ghorveh, Iran. 2008-2015
	<ul style="list-style-type: none"> ♦ Teaching Assistant <ul style="list-style-type: none"> - “Time Series” (Undergraduate Course), Iran University of Science & Technology, Tehran, Iran. Fall 2007
RESEARCH EXPERIENCE	<ul style="list-style-type: none"> ♦ Conducting M.Sc. Thesis Research <ul style="list-style-type: none"> - Entropy of interval-valued fuzzy sets and intuitionistic fuzzy sets and their relationships. 2007 - 2008 ♦ Conducting B.Sc. Thesis Research <ul style="list-style-type: none"> - Simulation of some parameters of generalized Pareto distribution in measure of height of Ekbatan dam 2006 ♦ Supervising B.Sc. Thesis Research <ul style="list-style-type: none"> - Research Title: “Bayesian Statistics”, Payame Noor University, Hamedan, Iran. Fall 2011- Winter 2012 - Research Title: “Haseman-Elston regression methods in genetic linkage analysis”, Bu-Ali Sina University, Hamedan, Iran. Fall 2011- Winter 2012 - Research Title: “Monte Carlo Simulation and Applications”, Bu-Ali Sina University, Hamedan, Iran. Fall 2012- Winter 2013 - Research Title: “Optimization using Genetic Algorithm”, Bu-Ali Sina University, Hamedan, Iran. Fall 2011- Winter 2012 - Research Title: “Using Neural Networks to forecast time series data”, Bu-Ali Sina University, Hamedan, Iran. Fall 2012- Winter 2013
WORK EXPERIENCE	<ul style="list-style-type: none"> ♦ Expert of Statistics and Data Collection, General Department of Justice of Hamedan Province, Hamedan, Iran July 2011 – August 2015 ♦ Tutor and Senior Statistical Analyst, Hegmataneh Pardazeshgaran Institute, Hamedan Iran May 2011 – August 2015 ♦ Computer system operator, Public Conscription Organization, Sanandaj, Iran August 2008 – Sep 2009
Computing SKILLS	<ul style="list-style-type: none"> ♦ Statistical Software <ul style="list-style-type: none"> - R - SPSS (Selected as SPSS Mentor from Professional and Technical Organization of Iran) - Minitab - SAS - LISREL - S-Plus ♦ Math Software <ul style="list-style-type: none"> - MATLAB - Mathematica ♦ Simulators <ul style="list-style-type: none"> - Arena ♦ Software Frameworks and Languages <ul style="list-style-type: none"> - C++, C#, C, - VB - Pascal ♦ Other Tools <ul style="list-style-type: none"> - Super Decisions, TOPSIS, Microsoft Office, Photoshop, LaTeX,
LANGUAGES	<ul style="list-style-type: none"> ♦ Persian, Fluent ♦ English, Advanced Knowledge ♦ Kurdish, Native ♦ Arabic, Intermediate Knowledge