

Curriculum Vitae

Personal Data

Name: Farhad Hosseinzadeh Lotfi

Position:

Assistant Professor, 2000.
Associated Professor, 2005.
Professor, 2009.

Address:

Department of Mathematics - Faculty of Science, Islamic Azad University,
Research & Science Branch, Hesarak, Poonak, Tehran, I. R. IRAN

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Date and Place of Birth:

May 1967, Babol

Citizenship:

Iranian

Marital Status:

Married, with one children

Education

B. Sc., Mathematics, University of Yazd, 1992

M. Sc., Applied Mathematics (O. R.) Islamic Azad University of Lahijan 1996
Ph. D., Applied Mathematics (O. R.), Science & Research Branch , Islamic Azad University, - Tehran 2000.

Teaching Experience

Undergraduate

Operations Research I

Operations Research II

Mathematical Analysis I, II

Linear Algebra

Fundamental Mathematics

Statistic Sciences

Differential Equation

Partial Differential Equation

Foundations and Logic Mathematics

Discrete Mathematics

Simulation of Computer

Graduate

Advanced Linear Programming

Advanced Operations Research I, II

Advanced Nonlinear Programming

Advanced Engineering Mathematics

Data Envelopment Analysis I, II

Advanced Data Envelopment Analysis I, II

Graph Theory

Transportation

Network Flows

Advanced Simulation of Computer

Multiple Criteria Decision Making

Fuzzy Set

Graduate Students' Supervision (Ph.D.)

Maasomeh Moradi, Ph. D., (DEA), 2005, supervisor.

Majed Zohrebandian, Ph. D., (DEA), 2005, supervisor.

Farzad Rezaee Balf, Ph. D., (DEA), 2006, supervisor.

Hamed Zhiani Rezaee, Ph. D., (DEA), 2006, supervisor.

Daryoush Akbarian, Ph. D., (DEA), 2006, supervisor.

Hadi Bagherzadeh, Ph. D., (DEA), 2007, supervisor.

Mahnaz Alimardani, Ph. D., (DEA), 2007, supervisor.

Sevan Sohraee, Ph. D., (DEA), 2007, supervisor.

Reza Shahverdi, Ph. D., (DEA), 2007, supervisor.

Zohreh Irvani, Ph. D., (DEA), 2007, supervisor.

Javad Gerami, Ph. D., (DEA), 2007, supervisor.

Reza Fallahnejhad, Ph. D., (DEA), 2007, supervisor.

Farhad Mozaffari, Ph. D., (DEA), 2007, supervisor.

Hanieh Nikoomaram, Ph. D., (DEA), 2007, supervisor.

Shahryari, Ph. D., (Network), 2008, supervisor.

Mahnaz Ahadzadeh, Ph. D., (DEA), 2008, supervisor.

Farhad Moradi, Ph. D., (DEA), 2008, supervisor.

Bijhan Rahmani, Ph. D., (DEA), 2009, supervisor.

Ali Payan, Ph. D., (DEA), 2009, supervisor.

Maryam Reshadi, Ph. D., (DEA), 2009, supervisor.

Sara Rashidi, Ph. D., (DEA), 2009, supervisor.

Mahnaz Mirboloki, Ph. D., (DEA), 2009, supervisor.

Ali ebrahimnejad, Ph. D., (DEA), 2009, supervisor.

Graduate Students' Co-vision (Ph.D.)

Masoud Sanee, Ph. D. (DEA), 2002, co-visor

Sahand Daneshvar, Ph. D. (DEA), 2002, co-visor

Reza Farzipoor Saeen, Ph. D. (DEA), 2002, co-visor

Naghe Shoja Ph. D. (DEA), 2003, co-visor

Ghasem Tohidi, Ph. D. (DEA), 2003, co-visor

Shabnam Razavian, Ph. D. (DEA), 2004, co-visor

Abdollah Hadi, Ph. D. (DEA), 2004, co-visor

Reza Kazemi, Ph. D. (DEA), 2004, co-visor

Amin Mostafaei, Ph. D. (DEA), 2006-2007, co-visor

Mehrab Esmaeeli, Ph. D. (DEA), 2006-2007, co-visor

Mohammad Izadikhah, Ph. D. (DEA), 2006-2007, co-visor

Mohsen Rostami, Ph. D. (DEA), 2007, co-visor

Mehdi Fallah, Ph. D. (DEA), 2007, co-visor

Amir Gholam Abri, Ph. D. (DEA), 2007, co-visor

Maasomeh Khanmohammadi, Ph. D. (DEA), 2008, co-visor

Elnaz Aslanzadeh, Ph. D. (DEA), 2009, co-visor

Soltanifar, Ph. D. (DEA), 2009, co-visor

Roshdi, Ph. D. (DEA), 2009, co-visor

Graduate Students' Supervision (M. Sc.)

D. Akbarian, M. Sc., (DEA), 2001, supervisor.

A. Hajhosseini, M. Sc., (DEA), 2001, supervisor.

H. Jami, M. Sc., (DEA), 2001, supervisor.

M. Mokhlesi, M. Sc., (Inventory), 2001, supervisor.

O. Yami, M. Sc., (DEA), 2001, supervisor.

S. Ahmadi, M. Sc., (DEA), 2002, supervisor.

M. Fagidno, M. Sc., (DEA), 2002, supervisor.

L. Zinalzadeh, M. Sc. (DEA), 2003, supervisor.

Tagizadeh, M. Sc., (DEA), 2003, supervisor.

M. Afshar, M. Sc., (DEA), 2003, supervisor.

H. Bagerzadeh, M. Sc., (DEA), 2003, supervisor.

S. Aghakhani, M. Sc., (E. M. + DEA), 2004, supervisor.

A. Nabavi, M. Sc., (E. M. + DEA), 2004, supervisor.

Najjari, M. Sc., (DEA), 2004, supervisor.

S. Sohraee, M. Sc., (DEA), 2004, supervisor.

R. Shahverdi, M. Sc., (DEA), 2004, supervisor.

Z. Taaeb, M. Sc., (DEA), 2004, supervisor.

S. Forrokhi, M. Sc., (M.E.), 2006, supervisor.

T. Soleimani, M. Sc., (DEA), 2006, supervisor.

M. Khanmohammadi, M. Sc., (DEA), 2005, supervisor.

M. Sharifzadeh, M. Sc., (DEA), 2006, supervisor.

R. Fallahnejad, M. Sc., (DEA), 2005, supervisor.

B. Mansouri, M. Sc., (DEA), 2005, supervisor.

N. Malekmohammadi, M. Sc., (DEA), 2005, supervisor.

M. Modi, Sc., (DEA), 2006, supervisor.

M. Vaez, M. Sc., (DEA-BSC), 2006, supervisor.

M. Ahadzadeh Namin, M. Sc., (DEA), 2005, supervisor.

F. Mozaffari, M. Sc., (DEA), 2005, supervisor.

P. Ghasemi, M. Sc., (DEA), 2005, supervisor.

M. Fathi, Sc., (DEA), 2004, supervisor.

N. Malek mohammadi, M. Sc., (DEA), 2005, supervisor.

F. Mir Akherloo, M. Sc., (M.E.), 2006, supervisor.

S. Razmyan, M. Sc., (DEA), 2006, supervisor.

R. Matinpour M. Sc., (M.E.) 2006, supervisor.

A. Hosseini, M. Sc., (DEA), 2006, supervisor.

R. Shahmohammadi M. Sc., (M.E.) 2006, supervisor.

R. Fathi M. Sc., (M.E.) 2006, supervisor.

M. Rozbaiani, M. Sc., (M.E.) 2006, supervisor.

T. Solimani, M. Sc., (DEA), 2006, supervisor.

H. Gomroki M. Sc., (DEA) 2007, supervisor.

A. Ahmadloo M. Sc.,(DEA) 2007, supervisor.

M. Zia M. Sc.,(DEA) 2007, supervisor.

R. Sharifi M. Sc.,(DEA) 2007, supervisor.

M. Rahmani M. Sc.,(DEA) 2007, supervisor.

M. Vaez M. Sc.,(DEA-BSC) 2007, supervisor.

Academic Service

Member of Mathematical Society, since 1996,

Member of Multiple Criteria Decision Making (MCDM) Society, since 2000

Member of Operations Research Society, since 2007

Research and Related Activities

Areas of Specialization

Complementary Problem in OR

Data Envelopment Analysis and Model Building

Data Envelopment Analysis and its Application

Multiple Criteria Decision Making

Fuzzy Set and System

Contracts and Grants

Productivity in Bank Mellat

Productivity in Bank Melli Iran

Productivity in Commercial Banks of Iran

Productivity in Insurances of Iran

Publications

Books

1. Fundamental Mathematics (2008)
2. Data Envelopment Analysis and its Applications (2008)
3. Statistics and Probability (2008)
4. Mathematical Models and Mathematical Modeling (2009)
5. Applications of Computer in Mathematics (2009)
6. Applications of Computer in Industrial Engineering (2009)
7. Engineering Statistics and Probability (2009)
8. Fourier and Partial Differential Equation and Solved Problems (2009)
9. Complex Functions and Solved Problems (2009)

Refereed Articles (Published or Forthcoming)

1997

[1] Hosseinzadeh Lotfi, F., S. Mehrabian and M. R. Alirezaee "Determining the Comparative Efficiency of High Schools; An Application of Data Envelopment Analysis", *Journal of Sciences, Islamic Azad University*, Vol. 7, No. 23, 1997, pp. 403-420.

1998-9

[2] Hosseinzadeh Lotfi F., G. R. Jahanshahloo and A. memariani "A Method for Finding Most Productive Scale Size (MPSS) by Multiple Objective Programming in Data Envelopment Analysis", *Journal of Sciences, Islamic Azad University*, Vol. 8, No. 29,30, 1998-99, pp. 2230-2240.

2000

[3] Hosseinzadeh Lotfi F., G. R. Jahanshahloo and A. Memariani "A Method for Finding Common Set of Weights by Multiple Objective Programming in DEA", *Southwest Journal of Pure and Applied Mathematics*, Vol. 1, 2000, pp. 44-54.

2002

[4] Jahanshahloo G. R., M. Sanei and F. Hosseinzadeh Lotfi "Comparison Efficiency of Basic DEA and CSW Models Ratio to Measure of Decision Making Units Set", *Journal of Sciences, Islamic Azad University*, Vol. 12, No. 43, 2002, pp. 3421-3429.

2003

[5] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja and G. Tohidi "A Method for Solving 0-1 Multiple Objective Linear Programming Problem Using Data Envelopment Analysis", *Journal of the Operations Research Society of Japan*, Vol. 46, No. 2, 2003, pp. 189-202

2004

[6] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja and G. Tohidi "A Method For Generating All Efficient Solutions of a 0-1 Multi -Objective Linear Programming Problem", *Asia-Pacific Journal of Operational Research*, Vol. 21, No. 1, 2004, pp. 127-139.

[7] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja, G. Tohidi and S. Razavyan "The Outputs Estimation of a DMU According to Improvement of Its Efficiency", *Applied Mathematics and Computation*, 147, 2004, pp.409-413.

[8] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja, G. Tohidi and S. Razavyan "A Method for Detecting Influential Observation in Radial DEA Models", *Applied Mathematics and Computation*, 147, 2004, pp. 415-421.

[9] Jahanshahloo G. R., M. Sanei, F. Hosseinzadeh Lotfi and N. Shoja "Using The Gradient Line For Ranking DMUs in DEA", *Applied Mathematics and Computation*, 151, 2004, pp. 209-219.

[10] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja, G. Tohidi and S. Razavyan "Ranking by Using l_1 -Norm in Data Envelopment Analysis", *Applied Mathematics and Computation* , 153, 2004, pp. 215-224.

[11] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja, and M. Sanei, "An Alternative Approach for Equitable Allocation of Shared Costs by Using DEA", *Applied Mathematics and Computation*, 153, 2004, pp. 267-274.

[12] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja, G. Tohidi and S. Razavyan "Input Estimation and Identification of Extra Inputs in Inverse DEA Models", *Applied Mathematics and Computation*, 156, 2004, pp. 427-437.

[13] Jahanshahloo G. R., F. Hosseinzadeh Lotfi and M. Moradi "Sensitivity and Stability Analysis in DEA With Interval Data", *Applied Mathematics and Computation*, 156, 2004, pp. 463-477.

[14] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja and G. Tohidi "A Method for Finding Efficient DMUs in DEA by Using 0-1 Linear Programming", *Applied Mathematics and Computation*, 159, 2004, pp. 37-45.

[15] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja and G. Tohidi "A Method for Solving 0-1 Multiple Objective Programming Problem, Using Data Envelopment Analysis Technique", *Mathematical & Computational Applications*, Vol. 9, No. 2, 2004, pp. 147-156.

[16] Jahanshahloo G. R., F. Hosseinzadeh Lotfi and M. Zohrehbandian "Estimation of Efficiency and Infinitesimals in Data Envelopment Analysis", *Mathematical and Computational Applications (MCA)*, Vol. 9, No. 2, 2004, pp. 299-302.

[17] Hosseinzadeh Lotfi F. and S. Kashanifar "Finding a Good Site for Establishing Date Plant in Sistan-Baluchestan Province, by Applying Data Envelopment Analysis", *Journal of Applied Mathematics*, Vol. 1, No. 1, 2004, pp. 32-39.

[18] Divandari A., M. Mahmoudi, G. R. Jahanshahloo, F. Hosseinzadeh Lotfi and F. Eshghi "Evaluation the Efficiency of Decision Making Units by Applying DEA and its Application for the branches of Iran's Band Mellat", *Journal of Applied Mathematics*, Vol. 1, No. 1, 2004, pp. 74-82.

[19] Divandari A., M. Mahmoudi, G. R. Jahanshahloo, F. Hosseinzadeh Lotfi, V. B. Taleghani and M. Makkhi "Personal Designation to Achieve a Relatively Hypothetical, Desired Situation Using DEA in Bank Mellat Iran", *Journal of Applied Mathematics*, Vol. 1, No. 2, 2004, pp. 1-10.

[20] Shahvarani A., M. M. Maasoumi, F. Hosseinzadeh Lotfi and R. Matinpour "The Reasons of Decline of Education in the Field of Mathematics of the First Grade in High School, the Cities of West of Guilan", *Journal of Applied Mathematics*, Vol. 1, No. 3, 2004, pp. 1-16.

[21] Medghalchi A., F. Hosseinzadeh Lotfi and E. Firozian "Application of Computers in Mathematics Education of Iran School", *Journal of Applied Mathematics*, Vol. 1, No. 3, 2004, pp. 17-35.

2005

[22] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja and G. Tohidi "Sensitivity and Stability Analysis in DEA", *Journal of the Operational Research Society*, 56, 2005, pp. 342-345.

[23] Jahanshahloo G. R., F. Hosseinzadeh Lotfi and M. Zohrehbandian "Notes On Sensitivity and Stability of the Classifications of Returns to Scale in Data Envelopment Analysis", *Journal of Productivity Analysis*, 23, 2005, pp. 309-313 .

- [24] Jahanshahloo G. R., A. Memariani, F. Hosseinzadeh Lotfi and N. Shoja "A Feasible Interval for Weights in Data Employment Analysis", *Applied Mathematics and Computation*, 160, 2005, pp. 155-168.
- [25] Jahanshahloo G. R., F. Hosseinzadeh Lotfi and M. Moradi "A DEA Approach for Fair Allocation of Common Revenue", *Applied Mathematics and Computation*, 160, 2005, pp. 719-724.
- [26] Jahanshahloo G. R., F. Hosseinzadeh Lotfi , H. Zhiani Rezai and F. Rezri Balf "Using Monte Carlo Method for Ranking Efficient DMUs", *Applied Mathematics and Computation*, 162, 2005, pp. 371-379.
- [27] Farzipoor Saeen R., A. Memariani and F. Hosseinzadeh Lotfi "The Effect of Correlation Coefficient Among Multiple Input Vectors on the Efficiency Mean in DEA" *Applied Mathematics and Computation*, 162, 2005, pp. 503-521.
- [28] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, Zohrehbandian M. "Finding the Piecewise Linear Frontier Production Function in DEA", *Applied Mathematics and Computation*, 163 , 2005, pp. 483-488.
- [29] Farzipoor Saeen R., A. Memariani and F. Hosseinzadeh Lotfi "Determining Relative Efficiency of Slightly Non-homogeneous Decision Making Units by DEA a Case Study in IROST", *Applied Mathematics and Computation*, 165, 2005, pp. 313-328.
- [30] Jahanshahloo G. R., A. Memariani, F. Hosseinzadeh Lotfi and H. Z. Rezai "A Note on Some of DEA Models and Finding Efficiency and Complete Ranking Using Common Set of Weights", *Applied Mathematics and Computation*, 166, 2, 2005, pp. 265-281.
- [31] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja, G. Tohidi and S. Razavyan "The Identification of Nondominated and Efficient Paths on a Network", *Applied Mathematics and Computation*, 169, 2005, pp. 866-873.
- [32] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja and G. Tohidi "A Method For Generating All Efficient Solutions of 0-1 Multi -Objective Linear Programming Problem", *Applied Mathematics and Computation*, 169, 2005, pp. 874-886.
- [33] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja, G. Tohidi and S. Razavyan "A One-Model Approach to Classification and Sensitivity Analysis in DEA", *Applied Mathematics and Computation*, 169, 2005, pp. 887-896.
- [34] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja, G. Tohidi and S. Razavyan "Sensitivity of Efficiency Classifications in the Inverse DEA Moldels", *Applied Mathematics and Computation*, 169, 2005, PP. 905-916.

- [35] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja, G. Tohidi and S. Razavyan "Undesirable Inputs and Outputs in DEA Models", *Applied Mathematics and Computation*, 169, 2005, PP.917-925.
- [36] Jahanshahloo G. R., F. Hosseinzadeh Lotfi and M. Zohrehbandian "Finding the Efficiency Score and RTS Characteristic of DMUs by Means of Identifying the Efficient Frontier in DEA", *Applied Mathematics and Computation*, 170, 2005, pp. 985-993.
- [37] Hosseinzadeh Lotfi F., G. R. Jahanshahloo, N. Shoja, G. Tohidi and S. Razavyan "Using Inverse DEA Model for Improvement Efficiency and Estimating Outputs/Inputs and Extra Inputs of DMUs", *International Mathematics Journal*, Vol. 6, No. 1, 2005, pp. 7-20.
- [38] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, N. Shoja, G. Tohidi and S. Razavyan "A Modified DEA Model for Classification and Sensitivity Analysis of DMUs", *International Mathematics Journal*, Vol. 6, No. 1, 2005, pp. 21-30.
- [39] Daneshian B., G. R. Jahanshahloo, F. Hosseinzadeh Lotfi, T. Allahviranloo and S. Mehrabian "The Overall Assurance Interval for the Non-Archimedean Epsilon in DEA Model", *Mathematical and Computational Applications*, Vol. 10, No. 3, 2005, pp. 387-393.
- [40] Jahanshahloo G. R., F. Hosseinzadeh Lotfi and S. Sohraiee "Suitability and Redundancy of Non-Homogeneous Weight Restriction in the BCC Model and Effect of Imposing of Non-Homogeneous Weight Restriction on PPS", *Mathematical Scientific Journal*, Vol. 1, No. 2, 2005, pp. 5-25.
- [41] Hosseinzadeh Lotfi F. and S. Aghakhani "The Evaluation of the Function of Teaching Mathematics in Countries in TIMS with Help of Data Covering Analysis", *Mathematical Scientific Journal*, Vol. 1, No. 2, 2005, pp. 27-49.
- [42] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, F. Rezai Balf, M. A. Jahantighey and Sh. Abolghasemzadeh "Application of Discriminate Analysis on Interval Data for Predicting of Conditional Students", *Mathematical Scientific Journal*, Vol. 1, No. 3, 2005, pp. 9-14.
- [43] Hosseinzadeh Lotfi F., G. R. Jahanshahloo, M. Rostamy-Malkhalifeh and R. Shahverdi "Revenue Efficiency and Revenue Malmquist Productivity Index with Interval Data", *Mathematical Scientific Journal*, Vol. 1, No. 3, 2005, pp. 31-42.
- [44] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, A. Foroghi and F. Hamzezadeh "Relation Between Definition of Efficient Didection", *Journal of Applied Mathematics*, Vol. 2, No. 5, 2005, pp. 1-6.

2006

[45] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, and M. Izadikhah "An Algorithmic Method to Extend TOPSIS for Decision – Making Problems with Interval Data", *Applied Mathematics and Computation*, 175, 2006, pp. 1375-1384.

[46] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, and M. Izadikhah, "Extension of the TOPSIS Method for Decision–Making Problems with Fuzzy Data", *Applied Mathematics and Computation*, 181, 2006, PP. 1544-1551.

[47] Jahanshahloo G. R., F. Hosseinzadeh Lotfi and S. Sahraiee "Egoist's dilemma with Intrval Data", *Applied Mathematics and Computation*, 183, 2006, pp. 94-105.

[48] Divandari A., G. R. Jahanshahloo, F. Hosseinzadeh Lotfi and F. Rezai balf "The Congestion Estimation of Personnel and Evaluation Amount of its Discretionary Outputs in Banks of Iran on Application of DEA", *International Mathimatical Forum*, Vol. 1, No. 15, 2006, PP. 723-732.

[49] Hosseinzadeh Lotfi F., M. Navabakhsh, F. Rezai balf, M. A. Jahantighey and Sh. Abolghasemzadeh "Application of Malmquist Productivity Index on Interval Data Education Groups", *Internationoal Mathimatical Forum*, Vol. 1, No. 16, 2006, PP. 753-762.

[50] Navabakhsh M., G. R. Jahanshahloo, F. Hosseinzadeh Lotfi and Z. Taeb "Revenue Malmquist Productivity Index And Application In Bank Branch", *InternationOal Mathematical Forum*, Vol. 1, No. 25, 2006, PP. 1233-1247.

[51] Jahanshahloo G. R., F. Hosseinzadeh Lotfi and H. Bagherzadeh Valami "Malmquist Productivity Index with Interval and Fuzzy Data An Application of Data Envelopment Analysis", *International Mathematical Forum*, Vol. 1, No. 33, 2006, PP. 1607-1623.

[52] Divandari A., G. R. Jahanshahloo, F. Hosseinzadeh Lotfi, H. Nikoomaram and F. Rezai Balf, "O.R. Theory and it's Application, Multi-Component Commercial Bank Branch Progress and Regress: An Application of Data envelopment Analysis", *International Mathematical Forum*, Vol. 1, No. 33, 2006, PP. 1635-1644.

[53] Hosseinzadeh Lotfi F., G. R. Jahanshahloo and S. Razmian "A Buyer-Seller Game Model for Selection and Negotiation of Purchasing Bids on Interval Data", *International Mathematical Forum*, Vol. 1, No. 33, 2006, PP. 1645-1657.

2007

[54] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, H. Zhiani Rezai and F. Rezri Balf, "Finding Strong Defining Hyperplanes of Production Possibility Set", *European Journal of Operational Research*, 177, 2007, pp. 42-54.

- [55] Hosseinzadeh Lotfi F., G. R. Jahanshahloo, F. Rezai balf and H. Zhiani Rezai, "Ranking of DMUs on Interval Data by DEA", *International Mathematical Forum*, Vol. 2, No. 4, 2007, PP. 159-166.
- [56] Hosseinzadeh Lotfi F., G. R. Jahanshahloo, M. Ahadzadeh Namin and Z. Iravani "A Generalized Model in Presence Undesirable Factors", *International Mathematical Forum*, Vol. 2, No. 9, 2007, PP. 403-412.
- [57] Hosseinzadeh Lotfi F., G. R. Jahanshahloo, M. Izadikhah and M. Esmaeili "Ranking DMUs with Interval Data Using Interval Super-Efficiency Index", *International Mathematical Forum*, Vol. 2, No. 9, 2007, PP. 413-420.
- [58] Daneshian B., F. hosseinzadeh Lotfi and H. Zhiani Rezai "Internal Layers Method in Presence of Special Data Structure in DEA", *International Mathematical Forum*, Vol. 2, No. 9, 2007, pp. 421-427.
- [59] Hosseinzadeh Lotfi F., M. Navabakhs, A. Tehranian and M. Rostamy-Malkhalifeh, R. Shahverdi, "Ranking Bank Branches with Interval Data the Application of DEA", *International Mathematical Forum*, Vol. 2, No. 9, 2007, PP. 429-440.
- [60] Hosseinzadeh Lotfi F., G. R. Jahanshahloo, R. Shahverdi and M. Rostamy-Malkhalifeh "Cost Efficiency and Cost Malmquist Productivity Index with Interval Data", *International Mathimatical Forum*, Vol. 2, No. 9, 2007, PP. 441-453.
- [61] Hosseinzadeh Lotfi F., G. R. Jahanshahloo, M. Esmaeili and M. Izadikhah "Sensitivity Analysis of Efficient Units in Data Envelopment Analysis", *International Mathematical Forum*, Vol. 2, No. 29, 2007, pp. 1421-1429.
- [62] Navabakhsh M., G. R. Jahanshahloo, F. Hosseinzadeh Lotfi, T. Allahviranloo, F. Rezai balf and H. Zhiani Rezai "Finding Suitable Benchmark for Inefficient Commercial Bank Branches, Application of DEA", *International Journal of Contemporary Mathematics Sciences*, Vol. 2, No. 4, 2007, PP. 183-193.
- [63] Navabakhsh M., F. Hosseinzadeh Lotfi, T. Allahviranloo, F. Rezai balf and H. Zhiani Rezai "The Output Estimation and Improvement of Efficiency on Interval Data in DEA", *International Journal of Contemporary Mathematics Sciences*, Vol. 2, No. 4, 2007, PP. 195-201.
- [64] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, M. Adabitar Firuzja, T. Allahviranloo and E. Zahedy Alamdary "Ranking DMUs with Fuzzy Data in DEA", *International Journal of Contemporary Mathematics Sciences*, Vol. 2, No. 5, 2007, PP. 203-211.

- [65] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, F. Rezai Balf and P. Zamani "Finding the Piecewise Linear Frontier Production Function in DEA with Interval Data", *International Journal of Contemporary Mathematics Sciences*, Vol. 2, No. 12, 2007, pp. 571-580.
- [66] Hosseinzadeh Lotfi F., G. R. Jahanshahloo and D. Akbarian "New Insights into Cost Malmquis Productivity Index", *International Journal of Contemporary Mathematics Sciences*, Vol. 2, No. 12, 2007, pp. 581-590.
- [67] Pakzad J. F. Hosseinzadeh Lotfi and L. Jahanshahloo "Assessment of New Towns Self Sufficiency Based on Work and Non-Work Trips by Mathematical Models", *International Journal of Contemporary Mathematics Sciences*, Vol. 2, No. 12, 2007, pp. 591-600.
- [68] Hosseinzadeh Lotfi F., G. R. Jahanshahloo and M. Alimardani "A New Approach for Efficiency Measures by Fuzzy Linear Programming and Application in Insurance Organization", *Applied Mathematical Sciences*, Vol. 1, No. 14, 2007, pp. 647-663.
- [69] Jahanshahloo G. R., F. Hosseinzadeh Lotfi, H. Nikoomaram and M. Alimardani "Using a Certain Linear Ranking Function to Measure the Malmquest Productivity Index with Fuzzy Data and Application in Insurance Organization", *Applied Mathematical Sciences*, Vol. 1, No. 14, 2007, pp. 665-680.
- [70] Hosseinzadeh Lotfi F., G. R. Jahanshahloo and M. Esmaeili "Classification of Decision Making Units with Interval Data Using SBM Model", *Applied Mathematical Sciences*, Vol. 1, No. 14, 2007, pp. 681-689.
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About 45 papers were presented in international conferences.

Research in Progress

DEA: Computational Issues.

DEA: Constrained Facet Analysis.

DEA Application: The Evaluation of Academic Units.

DEA Application.

Application of DEA in Banking

Conference and University Lectures

I have made formal presentations to some conferences and seminars at the local and national level, in Persian and English languages.