Curriculum Vitae

Prof. Dr. Gholamreza Nakhaeizadeh

Born April 29. 1948 in Mashhad, Iran.

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Education

1. 1970: **BSc Mathematics**, University of Mashhad, Mashhad, Iran
2. 1975: **MSc Statistics**, Institute of Statistics and Informatics, Tehran, Iran, Promoter **Prof. Dr. M. Hashem Pesaran,** Title of the thesis**: On Model Selection in Econometrics** (in Persian)
3. 1984: **PhD Economics** University of Karlsruhe, Germany, Promoter **prof. Dr. Rudolf Henn, Co-Promoter Prof. Dr. Wolfgang Eichorn**, title of the thesis: Test of Permanent Income Hypothesis by using Bayesian Statistics (in German)
4. 1989 **Habilitation** (Postdoctoral Thesis), University of Karlsruhe, Germany, **Promoter prof. Dr. Rudolf Henn; Co-Promoters: Prof. Dr. Alfons Steiner and Prof. Dr. Martin Rutsch**, title: New Classical and Keynesian Models; Theoretical Analyzing and Empirical Comparison (in German)

Positions:

1. 1972-1974: **Teacher of Mathematics** at the "School of Metallurgy" associated to Iranian National Steel corporation Isfahan, Iran

2. 1974-1978: **Producer of Mathematical Programs** at Educational Television, associated to National Iranian Television, Tehran, Iran

3. 1978-1989: **Research Fellow and Scientific Collaborator** at University of Karlsruhe, School of Economics. In this period he was a DAAD- scholarship holder. Furthermore, he worked on two projects promoted by the "German Research Foundation" dealing with the application of Bayesian statistics to consumption theory, as well as, with evaluation of different new classical and Keynesian models.

4. 1989-1997: **Senior Scientist** at Research Center of DaimlerChrysler AG in Ulm, Germany Research fields: Machine Learning and Data Mining. In this period he was Director of the Project "StatLog" (Evaluation of Machine Learning Algorithms) promoted by the European community in collaboration with several companies and universities from different European countries. He has directed also the DaimlerChrysler internal corporate financed project "Data Mining Using Machine Learning". This project was concerned with the development, evaluation and application of various Data Mining procedures. Different Data Mining solutions in the areas such as "warranty planning and – revision", "Data Quality Mining", and "Credit Scoring" were realized within this project. In addition to these activities, the Data Mining research group of DaimlerChrysler AG was considerably involved in the project "CRISP-DM" (Cross Industry Standard Process for Data Mining) promoted by the European community for development of a processing concept for Data Mining. CRISP DM is considered today as standard for conducting of Data Mining projects, world-wide.

5. 1997-2006: **Leader of the Research Department "Data Mining Solutions"** at Research Center of DaimlerChrysler AG in Ulm, Germany , responsible for more than 40 staff members including team leaders, research fellows, scientific collaborators , graduate and post graduate students working on different internal research projects of DaimlerChrysler. Under his leadership, the Research Department "Data Mining Solution" at DaimlerChrysler AG has been focusing on Data Mining and Text Mining methods to provide advanced, complex decision and product support systems in the fields like "Quality Management", "Customer Relationship Management", and "Credit Risk Management". Topics like Neural networks, symbolic Machine Learning, Case-Based Reasoning, Computational Statistics and Optimization as well as Information Filtering and Information Retrieval have been on the list of the core technologies that are applied, adapted, or developed by the department. Aside internal research projects at DaimlerChrysler AG, the department has been involved over the past years under his leadership in various successful European projects like INRECA II (Information and Knowledge Reengineering for Reasoning from Cases), METAL (A Meta-Learning Assistant in Machine Learning and Data

Mining), and INFOMAN (aimed to advance the state-of-the-art in Enterprise Information Management Systems) as well as in several Networks of Excellence like MLNet I (Machine Learning Network of Excellence) ,MLNET II and KDNet (Knowledge Discovery Network of Excellence).

6. Since 1995: **APL-Professor for Economics and Econometrics** at School of Economic, University of Karlsruhe, Germany. He has been initiator and Co-chair of 9 international workshops on Machine Learning, Data Mining and Applied Econometrics. He is author of 3 monographs and about 35 refereed papers and co-editor of 8 books and Proceedings. Besides the contribution talks, he has given invited talks and tutorials, in Machine Learning and Data Mining in different conferences and universities in Austria, France, Germany, Iran, Italy, Portugal, Spain, Switzerland, Turkey, UK and USA.

7. Since 2013: **Curatorship Member** of the University for Applied Science Neu-Ulm

8. Since 2012 : **Associate Lecturer** of the University for Applied Science Neu-Ulm, School of Health Management

9. Since 2007, he has given invited talks and compact tutorials on Data Mining and Business Intelligence at different **Iranian Universities** among them:

   1. Tehran University (in different faculties)
   2. Medical Science University of Mashhad (in different faculties)
   3. Medical Sciences University of Tehran
   4. Medical Sciences University of Isfahan
   5. Medical Sciences University of Shiraz
   6. Medical Sciences University of Tabriz
   7. Medical Sciences University of Kerman
   8. Tarbiat Modares University
   9. University of Science & Technology
   10. Khaje Nasir Toosi University
   11. Ferdowsi University(in different faculties)
   12. Shahid Beheshti University (two times)
   13. Mazandaran University
   14. Shahroud University
   15. Birjand University
   16. Tabriz University
   17. Isfahan University (in different faculties)
   18. Technical University of Isfahan
   19. Shiraz University
   20. Sistan and Balouchestan University
   21. Kashan Azad University
   22. Kashan University
   23. Kerman University (in different faculties)
   24. Chahbehar University
   25. Khayyam University (Mashhad)
   26. Toos University (Mashhad)
   27. Kharazmi University
   28. Bandarabbas University
   29. Higher Education Complex of Bam
   30. Golestan University
   31. Rasht Azad University
   32. Zanjan University
   33. Amirkabir University
   34. Azad University,Science and Research Branch, Tehran

as well as in organizations:

- Ministry of Science, Research and Technology
- Ministry of Health and Medical Education
1. Central Insurance of Iran
2. Healthcare Insurance Organization of Iran
3. Statistic Centre of Iran
4. Central Bank of Iran
5. Tehran Municipality
6. Mashhad Municipality
7. Kish Ware company
8. Magfa company
9. Bank Saman
10. Bank Saderat
11. Maritime & Ports Organization
12. Industrial Management Organization
13. Institute for Productivity and Human Resource Development
14. Madiran company
15. Telecom of Khorasan Razawi
16. Gaz Company of Khorasan Razawi
17. Saipa Car Group
18. Iran Khodro Car Group
19. Water Organization of Mashhad
20. Hamkaran System
21. Pajouheshkadeh Naft (Oil Acadmy)
22. Iran Kish Credit Card Co
23. Kerman Chamber of Industry and Commerce
24. Kerman Motors
25. Bank Mellat
26. Mashhad Chamber of Industry and Commerce

Main Research themes

- Data Mining and Business Intelligence
- Data Mining in Health Care Management
- Machine Learning
- Data Quality Mining
- Data Mining in Business and Banking

Teaching Experience

- Data Mining
- Data Mining in Health Marketing
- Descriptive Statistics
- Inductive Statistics
- Econometrics
- Time Series Analysis
- Sampling Theory
- Macro and Micro Economics
- Linear Programming
- Mathematics

Supervised Seminars

- Data Mining in Business & Banking
- Data Mining in Insurance
- Application of Data Mining in Health Care Market
- Data Mining in Automotive Industry
- Statistical methods in Data Mining
- Data Mining in Customer Relationship management (CRM)
- Application of Data Mining in Fraud Detection
- Application of Statistical Data Mining in Credit Scoring
- Data Quality Mining
- Mining in Data Streams
- Mining in Social Networks
- Big Data Mining
- Text Mining
- Application of Data Mining in Healthcare
- Application of Data Mining to Recommender Systems
- Educational Data Mining

Ph.D. theses supervised (content mostly in German)

1. Anders, Ulrich; University of Karlsruhe „Statistical neural networks "

2. Dübon, Karl; University of Karlsruhe „Machine learning procedures for the treatment of rating risks in cellular phones business - theoretical aspects and empirical comparison "

3. Eggert, Wilm; University of Karlsruhe „Demand modeling and - forecasting for the support of the long-term marketing by the example of the German automotive industry".

4. Jafar Shaghaghi, Fariba; University of Karlsruhe „Machine learning, neural networks and statistical learning procedures for the classification and prediction "

5. Rauscher, Folke; University of Karlsruhe „Hybrid forecasting methods for exchange rate analysis: Combination possibilities of multivariate cointegration, neural networks and multi-task Learning "

6. Steurer, Elmar; University of Karlsruhe „Econometrics methods and machine learning procedures for exchange rate forecasting: Theoretical analysis and empirical comparison ".

7. Zhang, Jian; University of Karlsruhe „Quantitative modeling regarding the chances and risks of the Chinese commercial vehicle market "

8. Mirashrafi, Seyed Bagher; Karlsruhe Institute of Technology "Applying of Data Mining and Statistical Techniques to Analyze the Impact of Socioeconomic Background on University Admission;A Case Study Using the Iranian Educational Data"

Selected contributions to other Ph.D. Theses (content mostly in German)

1. Bartlmae, Kai; University of Jena „KDD Experience Factory for Credit Scoring "

2. Borth, Michael; University of Ulm „Knowledge extraction from Bayesian Networks" **(Co-Promoter)**

3. Diekmann, Christian; University of Karlsruhe „ Portfolio Risk in Automotive Finance"

4. Edalati, Alireza, Karlsruhe Institute of Technology "Optimal Constrained Investment and Reinsurance in Lundberg Insurance Model" **(Co-Promoter)**

5. Gersten, Wendy; University of Jena „Target group selection for direct marketing Campaigns" **(Co-Promoter)**

6. Hener, Alexander; University of Ingolstadt „Credit Risk Management in the Automotive Industry„ **(Co-Promoter)**

7. Kempe, Steffen; University of Magdeburg " Frequent Patterns in Temporal Data" **(Co-Promoter)**

8. Köpf, Christian; University of Ulm „ Meta-Learning: Strategies, implementations and evaluations for algorithms selection" **(Co-Promoter)**

9. Lanquillon, Carsten; University of Magdeburg „Enhancing text classification to improve information filtering "**(Co-Promoter)**

10. Lehnert, Markus; Karlsruhe, Institute of Technology " Control of warranty and goodwill process quality in the service of the automotive industry, an index-based approach"

11. Lindner Guido; University of Karlsruhe „Algorithm selection in KDD-process "**(Co-Promoter)**

12. Maier, Thilo; University of Ingolstadt „ Modeling ETL for web usage analysis and further improvements of the web usage analysis process" **(Co-Promoter)**

13. Martin, Bernhard; University of Karlsruhe „Stable distributions in Credit Risk Management "

14. Nazemi, Abdolreza; Karlsruhe Institute of Technology "Credit Risk Management With Data Mining Methodology" **(Co-Promoter)**

15. Ohl, Stefan; University of Karlsruhe „ Sales forecasting and planning of variant-rich products by the example of the automotive industry "

16. Reinartz, Thomas; University of Kaiserslautern „Focusing solutions for Data Mining: Experimental results and analytical studies in real world domains " **(Co-Promoter)**

17. Rostami, Nasrin; University of Karlsruhe „Development of energy and emission , control strategies for Iran„ **(Co-Promoter)**

18. Stützle, Eric; University of Karlsruhe „Development of a forecasting concept using conditioned multivariate probability distribution; Applications from the Automotive industry "

19. Wingenroth, Thorsten; University of Ingolstadt „Risk management for investment of grades of Corporate bond, modeling of spreads risk in portfolio management " **(Co-Promoter)**

Membership of Program Committees (selected)

1. Co-Chair of the Workshop: Machine Learning and Statistics, in conjunction with the European Conference On Machine Learning , April 1994 Catania, Italy

2. Co-Chair of the Workshop: Statistics, Machine Learning and Knowledge Discovery in Databases, April 1995, Heraklion, Greece

3. The 5th International Workshop on Parallel Applications in Statistics and Economics PASE 95), August 1995. Trier-Mainz, Germany

4. The 13. European Meetings on Cybernetics and Systems Research (EMCSR 96), April 1996 Vienna, Austria

5. The 9th European Conference on Machine Learning ,ECML 97, April 1997, Prague, Czech Republic

6. Co-Chair of the Workshop: Learning in dynamically changing domains:
Theory Revision and Context dependence issues. April 1997, Prague, Czech Republic

7. Co-Chair of the Workshop: Data Mining in Finance, in conjunction with: 4th International Conference on Knowledge Discovery and Data Mining , Aug 1998 New York, NY, USA

8. The 10th European Conference on Machine Learning (ECML 98) April 1998, Chemnitz, Germany

9. Co-Chair of the Workshop: Application of Machine Learning and Data Mining in Finance, April 1998, Chemnitz, Germany

10. The IX International Symposium of Applied Stochastic Models and Data Analysis - ASMDA-99, June 1999, Lisbon, Portugal

11. The 6th International Workshop Fuzzy-Neuro Systems '99, March 1999 Leipzig, Germany

12. The ICML'99 Workshop: From Machine Learning to Knowledge Discovery in Databases; International Conference on Machine Learning, June 1999, Bled, Slovenia

13. The 11th European Conference on Machine Learning, ECML-2000, May 2000, Barcelona, Spain

14. Area Chair of The Eighteenth International Conference on Machine Learning ,ICML-2001, June 2001, Williams College, Massachusetts, USA

15. The Second International Workshop on Multimedia Data Mining, MDM/KDD2001, August 2001, San Francisco, USA

16. The Third International Workshop on Multimedia Data Mining, MDM/KDD2002, July 2002, Edmonton, Canada

17. The 5th International Symposium on Intelligent Data Analysis, IDA 2003, August 2003, Berlin, Germany

18. Industrial Chair of the Fourth IEEE International Conference on Data Mining, ICDM 04, November 2004, Brighton, UK

19. The Nineteenth National Conference on Artificial Intelligence, AAAI-04, July 2004, San Jose, USA

20. The 15th European Conference on Machine Learning (ECML) and the 8th European Conference on Principles and Practice of Knowledge Discovery in Databases ECML/PKDD 2004, September 2004, Pisa, Italy

21. The ECML /PKDD 2006 Workshop on Practical Data Mining: Applications, Experiences and Challenges, September 2006, Berlin, Germany

Selected Publications

1. Sima Khashkhashi Moghaddam,Gholamreza Nakhaeizadeh,Elham Naghizade Kakhki. An Improved Data Warehouse Model for RFID Data in Supply Chain. ACIIDS (1),2012

2. Hadi Mohammadzadeh, Thomas Gottron, Franz Schweiggert, and Gholamreza Nakhaeizadeh. Extracting the main content of web documents based on a naive smoothing method. In Proceedings of the 3rd International Conference on Knowledge Discovery and Information Retrieval (KDIR'11), 2011.

3. Hadi Mohammadzadeh, Franz Schweiggert, and Gholamreza Nakhaeizadeh. Using utf-8 to extract main content of right to left language web pages. In Proceedings of the 6th International Conference on Software and Data Technologies (ICSOFT'11), 2011.

4. Hadi Mohammadzadeh, Thomas Gottron, Franz Schweiggert, and Gholamreza Nakhaeizadeh. A fast and accurate approach for main content extraction based on character encoding. In Proceedings of the 8th International Workshop on Text-based Information Retrieval (TIR'11), 2011.

5. Gholamreza Nakhaeizadeh: Is Consideration of Background Knowledge in Data Driven Solutions Possible at All? (Abstract only) p 30, ECCBR, 2006

6. Jürgen Franke, Gholamreza Nakhaeizadeh, Ingrid Renz (Eds.): Text Mining, Theoretical Aspects and Applications, Physica-Verlag, 2003

7. Credit Risk: Measurement, Evaluation and Management. Georg Bol, Gholamreza Nakhaeizadeh, Svetlozar T. Rachev, and Thomas Ridder (Eds.), 2003

8. Nakhaeizadeh, G., Steurer, E. and Bartlmae, K. Banking and Finance in: Klösgen, W. and Zytkow, J. Handbook of Data Mining and Knowledge Discovery. 771-780, Oxford University Press, 2002

9. Edgar Hotz, Udo Grimmer, Gholamreza Nakhaeizadeh: Some Recent KDD-Applications at DaimlerChrysler AG. GI Jahrestagung, 805-810, 2002

10. Jochen Hipp, Ulrich Güntzer, Gholamreza Nakhaeizadeh: Data Mining of Association Rules and the Process of Knowledge Discovery in Databases. Industrial Conference on Data Mining 2002: 15-36

11. Jochen Hipp, Christoph Mangold, Ulrich Güntzer, Gholamreza Nakhaeizadeh: Efficient Rule Retrieval and Postponed Restrict Operations for Association Rule Mining. PAKDD 2002: 52-65

12. Edgar Hotz, Udo Grimmer, W. Heuser, Gholamreza Nakhaeizadeh, and M. Wieczorek: REVI-MINER, a KDD-environment for deviation detection and analysis of warranty and goodwill cost statements in automotive industry. KDD 2001: 432-437

13. Jochen Hipp, Ulrich Güntzer, and Gholamreza Nakhaeizadeh: Mining Association Rules: Deriving a Superior Algorithm by Analyzing Today's Approaches. PKDD 2000: 159-168

14. Johan Hip, Ulrich Günter, Gholamreza Nakhaeizadeh: Algorithms for Association Rule Mining - A General Survey and Comparison. SIGKDD Explorations 2(1): 58-64 (2000)

15. Kanji Gelbrich and Reza Nakhaeizadeh: Value Miner: A Data Mining Environment for the Calculation of the Customer Lifetime Value with Application to the Automotive Industry ; Machine Learning: ECML 2000, 11th European Conference on Machine Learning,

Barcelona, Catalonia, Spain, May 31 - June 2, 2000, Proceedings, Lecture Notes in Artificial Intelligence, Vol. 1810, pp. 154-161, Springer, 2000

16. Data mining und Computational Finance. Georg Bol, Gholamreza Nakhaeizadeh, und Karl-Heinz Vollmer (Eds.), Physica-Verlag Heidelberg, 2000

17. H. Kauderer, Gholamreza Nakhaeizadeh, F. Artiles, H. Jeromin: Optimization of Collection Efforts in Automobile Financing - a KDD Supported Environment. KDD 1999: 414-416

18. Edgar Hotz, Gholamreza Nakhaeizadeh, B. Petzsche, H. Spiegelberger: WAPS, a Data Mining Support Environment for the Planning of Warranty and Goodwill Costs in the Automobile Industry. KDD 1999: 417-419

19. Gholamreza Nakhaeizadeh, Alexander Schnabl: Towards the Personalization of Algorithms Evaluation in Data Mining. KDD 1998: 289-293

20. Gholamreza Nakhaeizadeh, Charles Taylor, and Carsten Lanquillon: Evaluating Usefulness for Dynamic Classification. KDD 1998: 87-93

21. Risk Measurement, Econometrics and Neural Networks. Selected Articles of the 6th Econometric-Workshop in Karlsruhe, Germany; Georg Bol, Gholamreza Nakhaeizadeh, and Karl-Heinz Vollmer (Eds.); Physica-Verlag Heidelberg, 1998

22. Data Mining: Theoretische Aspekte und Anwendungen (Beiträge zur Wirtschaftsinformatik). Gholamreza Nakhaeizadeh, Physica-Verlag , Heidelberg, 1998

23. Charles Taylor, Gholamreza Nakhaeizadeh: Learning in Dynamically Changing Domains: Theory Revision and Context Dependence Issues. ECML 1997: 353-360

24. Nakhaeizadeh, G., Taylor, CC, (eds.) Machine Learning and Statistics. The Interface. Wiley-Interscience 1997

25. Gholamreza Nakhaeizadeh, Alexander Schnabl: Development of Multi-Criteria Metrics for Evaluation of Data Mining Algorithms. KDD 1997: 37-42

26. K. Bartlmae, S. Gutjahr, and G. Nakhaeizadeh. Incorporating prior knowledge about financial markets through neural multitask learning. In Proceedings of the Fifth International Conference on Neural Networks in the Capital Markets, 1997

27. Kauderer, H. and G. Nakhaeizadeh: The effect of alternate scaling approaches on the performances of different supervised learning algorithms. An empirical study in the case of credit scoring. In Proceedings of AAAI-97 Workshop on AI Approaches to Fraud Detect- tion & Risk Management, pp. 39–42. AAAI Press. 1997

28. Georg Bol, Gholamreza Nakhaeizadeh, und Karl-Heinz Vollmer (Eds.) Finanzmarktanalyse und -prognose mit innovativen quantitativen Verfahren. Heidelberg, Physica-Verlag, 1996

29. Gholamreza Nakhaeizadeh: CBR gleich KNN! KI 10(1): 36-37 (1996)

30. G. Nakhaeizadeh and C. C. Taylor and G. Kunisch :Dynamic Aspects of Statistical Classification. Working Notes of the AAAI-96 Workshop on Intelligent Adaptive Agents, August 1996

31. Nakhaeizadeh, G. "What Daimler-Benz Has Learned as an Industrial Partner from the Machine Learning Project StatLog?", Proc. of the Workshop on Applying Machine Learning in Practice, 22-26, (1995)

32. Kodratoff, Y., Nakhaeizadeh, G., Taylor, C., (eds.) ECML'95, Workshop Notes: Statistics, Machine Learning and Knowledge Discovery in Databases, Heraklion, Greece, 1995

33. Ulrich Knoll, Gholamreza Nakhaeizadeh, Birgit Tausend: Cost-Sensitive Pruning of Decision Trees. ECML 1994: 383-386

34. Nakhaeizadeh, G. "Interaction between machine learning and statistics, an Overview" (abstract only), Machine Learning and Statistics Workshop of the ECML-94 (European Conference on Machine Learning), pp. 1-3, (1994)

35. Jorgen Graf, Gholamreza Nakhaeizadeh: Application of Learning Algorithms to Predicting Stock Prices in: Plantamura, V.L. et al.: Frontier Decision Support Concept... pp.241ff, John Wiley, 1994

36. Jorgen Graf, Gholamreza Nakhaeizadeh: Credit Scoring Based on Neural and Machine Learning, Plantamura, V.L. et al.: Frontier Decision Support Concept... p.183ff, John Wiley, 1994

37. Gholamreza Nakhaeizadeh: Learning Prediction of Time Series - A Theoretical and Empirical Comparison of CBR with some other Approaches. EWCBR, 65-76, 1993

38. Gholamreza Nakhaeizadeh, und Karl H. Vollmer (Eds.): Finanzmarktanwendungen neuronaler Netze und ökonometrischer Verfahren, Heidelberg, Physica Verlag, 1993

39. Dieter Fensel, Gholamreza Nakhaeizadeh: Maschinelles Lernen: Theoretische Ansätze und Anwendungsaspekte. KI, 186-192, 1993

40. Gholamreza Nakhaeizadeh und Karl H. Vollmer (Eds.): Anwendungsaspekte von Prognoseverfahren. Beiträge zum 2. Karlsruher Ökonometrie- Workshop, Heidelberg, Physica Verlag 1992

41. Georg Bol, Gholamreza Nakhaeizadeh, und Karl H. Vollmer (Eds.): Ökonometrie und Monetärer Sektor. Ergebnisse des 3. Karlsruher Ökonometrie- Workshops, Heidelberg, Physica Verlag ,1992

42. Gholamreza Nakhaeizadeh, Werner Mellis: Esprit-Projekt StatLog: Evaluierung statistischer und logischer maschineller Lernalgorithmen anhand realer Anwendungen. KI 5(1): 36-39, 1991

43. Gholamreza Nakhaeizadeh und Karl H. Vollmer (Eds.). Neuere Entwicklungen in der Angewandten Ökonometrie. Beiträge zum 1. Karlsruher Ökonometrie- Workshop , Heidelberg, Physica Verlag , 1990

44. Gholamreza Nakhaeizadeh: Neuklassische und Keynesianische Modelle : theoretische Analyse und empirischer Vergleich; Berlin : Springer Verlag, 1989

45. Henn, Rudolf; Nakhaeizadeh, Gholamreza : Neuere Entwicklungen in der Geldnachfrage. In: Jahrbuch für Nationalökonomie und Statistik, 395-406, 1989

46. Henn, R. und Nakhaeizadeh; G; : Vergleich verschiedener Versionen der permanenten Einkommenshypothese unter der Annahme adaptiver und rationaler Erwartungen, in:

Franz W, Gaab, W; und Wolters, J. (Eds.) : Theoretische und Angewandte Wirtschaftsforschung, 155-165, Springer-Verlag 1988

47. Karmann, A. und Nakhaeizadeh, G.: Erwartungsbildung und aggregierter Konsum-Einkommens-Prozess. Eine klassische und Bayessche Analyse für die Bundesrepublik Deutschland, in: Jahrbücher für Nationalökonomie und Statistik, Bd. 204, pp. 120-139. 1988

48. Karmann, A; Ketterer, K. H; und Nakhaeizadeh, G. : Zu den Beziehung zwischen Geldmenge und Gesamtnachfrage: Ergebnisse einer „Kausalitäts"-Untersuchung für die Bundes Republik Deutschland. In: Opitz, O. und Rauhut, B. (Eds.) Ökonomie und Mathematik, 1987

49. Karmann, A; Kischka, P. und Nakhaeizadeh, G. : Export und Innovation - eine Kausalanalyse für die Bundesrepublik Deutschland, in: R. Henn (Hrsg.), Technologie, Wachstum und Beschäftigung, Heidelberg, pp. 424-432, 1987

50. Nakhaeizadeh, Gholamreza: The Effects of various treatments of truncation remainders in the estimation of the consumption function, a bayesian approach, Bulletin of Economic Research 38, 119-136, 1986

51. Gholamreza Nakhaeizadeh: Überprüfung der permanenten Einkommenshypothese mit Hilfe der Bayes Statistik. Athenäum, Königstein, 1985