

Curriculum Vitae

Personal Information:

Name: Babak Teimourpour
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Education:

- Ph.D. in Industrial Engineering, Tarbiat Modares University, Tehran, Iran, 2010, Dissertation: “Knowledge discovery in social networks by link analysis and text mining”. Supervisor: M. Mehdi Sepehri; PhD
- Master of Science in Socio-Economic Systems Engineering, Institute for Research on Planning and Development, Tehran, Iran, 1998. Thesis: “The relationship between risk and return in the Tehran Stock Exchange (1992-1996)”. Supervisor: Ahmad-Reza Jalali Naini; PhD
- Bachelor of Science in Industrial Engineering, Sharif University, Tehran, Iran, 1996. Thesis: “A goal programming model for glaze blending in ceramic industry”. Supervisor: M. Modares Yazdi; PhD

Honors & Awards

Iran Data Mining Cup, 2010.
Project Manager, Automatic Fair Collection (AFC) and Automatic Vehicle Location (AVL) for Urmia City, 2010.

Research Interests:

- Social Network Analysis
- Data Mining
- Data Science
- Text mining

Teaching experience:

- Social Network Analysis
- Information Network Analysis
- Data Mining
- Business Intelligence
- Knowledge Management
- Advanced Operations Management
- Mathematical Economics
- Microeconomics
- Macroeconomics

Publications:

Books, Book chapter:

- Teimourpour B., Najafi H. (2015) Data Mining With R, Text Mining and Social Network Analysis (In Persian), ETKA publishing.
- Hossein Javaheri S., Sepehri M.M., Teimourpour B. (2014) Chapter 6 Response Modeling in Direct Marketing: A Data Mining Based Approach for Target Selection, “Data Mining Applications with R”, Elsevier.
- Yazdani Z., Sepehri M.M., Teimourpour B. (2014) Chapter 8 Selecting Best Features for Predicting Bank Loan Default, “Data Mining Applications with R”, Elsevier.
- Tamaddoni Jahromi A., Sepehri M.M., Teimourpour B., Choobdar S. (2012) Chapter 10. Modeling customer churn in a non-contractual setting: the case of telecommunications service providers, In ‘Competitive Intelligence, Analysis and Strategy’, Editor Wright S., Routledge/Taylor & Francis.
- Ghazanfari M., Alizadeh S., Teimourpour B. (2008) “Data mining and Knowledge Discovery”, (In Persian), IUST Publication Center.
- Hossein Javaheri S., Sepehri M.M., Teimourpour B. (2014) Chapter 6 Response Modeling in Direct Marketing: A Data Mining Based Approach for Target Selection, “Data Mining Applications with R”, Elsevier.
- Yazdani Z., Sepehri M.M., Teimourpour B. (2014) Chapter 8 Selecting Best Features for Predicting Bank Loan Default, “Data Mining Applications with R”, Elsevier.
- Tamaddoni Jahromi A., Sepehri M.M., Teimourpour B., Choobdar S. (2012) Chapter 10. Modeling customer churn in a non-contractual setting: the case of telecommunications service providers, In ‘Competitive Intelligence, Analysis and Strategy’, Editor Wright S., Routledge/Taylor & Francis .

Refereed Journal Papers:

- Teimourpour B. , Eslami V., Mohammadi M., Padidarfard M. (2016) A Conceptual Model for the Creation of a Process-Oriented Knowledge Map (POK-Map) and Implementation in an Electric Power Distribution Company, *Interdisciplinary Journal of Information, Knowledge, and Management*, Volume 11, Pages 1-16.
- Farokhi S., Teimourpour B., Shekarriz F., Masoudi M. (2016) A new application of clustering for segmentation of banks’ e-payment services based on Profitability, *Uncertain Supply Chain Management*, Volume 4, Issue 1, Pages 55-60, doi: 10.5267/j.uscm.2015.7.004.
- Khobzi H., Teimourpour B. (2015) LCP segmentation: A framework for evaluation of user engagement in online social networks, *Computers in Human Behavior*, Volume 50, September 2015, Pages 101–107, doi:10.1016/j.chb.2015.03.080.
- Lajevardy S.A., Kargari M., Teimourpour B., Kargar S. (2014) A Business Model to Detect Disease Outbreaks, *International Journal of Travel Medicine and Global Health*, Vol 2, No 4, Accepted: 10 Aug 2014.

- Mirsaeed G., Abedi Kiasari S., Teimourpour B. (2014), Designing an Ontology for Knowledge Discovery in Iran's Vaccine, Archives of Razi Institute, Vol. 69, No. 2, Pages 207-213, DOI: 10.7508/ari.2014.02.014.
- Khobzi H., Teimourpour B. (2014) How significant are users' opinions in social media?, International Journal of Accounting & Information Management, Vol. 22 Iss: 4, pp.254 – 272, doi: 10.1108/IJAIM-02-2014-0010, Accepted 30 July 2014.
- Akhavan Darabi S., Teimourpour B., Maryam Zolnoori, Hassan Heydarnejad (2014), Case-Based-Reasoning System for Feature Selection and Diagnosing Disease; Case Study: Asthma, Innovative Systems Design and Engineering, Vol 5, No 5, <http://www.iiste.org/Journals/index.php/ISDE/article/view/12915>.
- Akhavan Darabi S., Teimourpour B., Heydarnejad H., Safi Samgh Abadi A. (2014) A New Method For Feature Selection in Diagnosis Using DEMATEL and ANP; Case Study: Asthma, Journal of Information Engineering and Applications, Vol 4 (4), www.iiste.org/Journals/index.php/JIEA/article/view/12426.
- Shadpour P., Teimourpour B., Asadi R. (2013) Webometrics-based Analysis and Ranking of Iranian Hospital Websites, Int J Hosp Res, vol 2 (2), Spring 2013, pages 77-84.
- Riahi Ni., Motlagh S.M.H., Teimourpour B. (2013) A Three-phase Hybrid Times Series Modeling Framework for Improved Hospital Inventory Demand Forecast, Int J Hosp Res, Vol 2 (3) , Summer 2013, pages 133-142.
- Teimourpour Bahar, Heidarzadeh Hanzaee K., Teimourpour Babak (2013) Segmenting Consumers Based on Luxury Value Perceptions, Research Journal of Applied Sciences, Engineering and Technology, Vol. 5 , (05), p1681-1688.
- Yazdi F.S., Sepehri M.M., Teimourpour B., Bahreini M.A. (2011) High-Tech Research and Development Networks : The Case of Nanotech Enterprises in Iran, IEEE Technology and Society magazine, Volume 30, Issue 1, P11-19.
- Tamaddoni Jahromi A., Sepehri M.M., Teimourpour B., Choobdar S. (2010) Modeling customer churn in a non-contractual setting: the case of telecommunications service providers, Journal of Strategic Marketing, IssueVol. 18, No. 7, P587–598.
- Teimourpour B., Sepehri M.M., Pezeshk L. (2009), A New Method for Intelligent Scientific Text Categorization - Case of Nanotechnology Research Papers of Iranian Scholars, (In Persian), Journal of Science & Technology Policy (JSTP), Vol. 2, pp. 1-15.
- Sepehri M.M., Rahnama P., Shadpour P., Teimourpour B., (2009), A Data Mining Based Model for Selecting Type of Treatment for Kidney Stone Patients, Tehran University Medical Journal ([TUMJ](#)), ([In Persian](#)) , Vol. 67, No. 6, September 2009, pp. 421-427.

Conference Papers:

- Bodaghi A., Teimourpour B. (2017) Auto insurance fraud detection using social network analysis, International Symposium on Big Data Management and Analytics (BIDMA 2017), Calgary, Canada.
- Asgharpour B., Teimourpour B. (2017) Improving circular layout algorithm for social network visualization using genetic algorithm, International Symposium on Big Data Management and Analytics, (BIDMA 2017), Calgary, Canada.
- Khobzi H., Teimourpour B. (2014) Effect of Users' Comments on Popularity of Fan Page Posts: A Sentiment Analysis Approach, First International Conference on Economics, Management, Accounting and Social Sciences, June 2014, Rasht.
- Al-Masslawia Z., Sepehri M.M., Teimourpour B. (2013) A practical framework to improve clinical diagnosis process through patient-physician GTP communication- An ontology based approach, Conference Anthology, IEEE, pages 1-5 (DOI: 10.1109/ANTHOLOGY.2013.6784729).
- Sepehri, M.M., Khavaninzadeh, M., Rezapour, M., Teimourpour, B. (2011) A data mining approach to fistula surgery failure analysis in hemodialysis patients, Biomedical Engineering (ICBME), 18th Iranian Conference of.
- Maslavi Z., Sepehri M.M., Teimourpour B.B. (2011) A Practical framework to Improve Clinical Diagnosis Process through Patient-Physician GTP communication- An Ontology Based Approach, . The 2011 IEEE International Conference on Intelligent Computing and Integrated Systems.
- Sepehri M.M., Khosroshahi S., Teimourpour B. (2009) Analysis and detection of irregular appointments of managers—a data mining approach, International Conference On Human Capital Development 2009
- Tamaddoni Jahromi A., Sepehri M. M., Teimourpour B., Choobdar S. (2009), A computer assisted dual-step predictive model for customer churn in pre-paid telecommunications service providers, Academy of Marketing Conference 2009.
- Ali M, Sepehri M.M., Teimourpour B. (2008) Patent Analysis as a Useful Tool for Strategic Business, 3rd International Conference on Strategic Management, Tehran, Iran.
- Ostadi B. , Aghdasi M. , Sepehri M.M., Teimourpour B. (2008), 'Using Data Mining Technology in Quality Improvement and Business Process Reengineering Systems ', Iran Data Mining Conference , pp. 3 (In Persian)
- Sepehri M.M., Tahmasbi N., Teimourpour B. (2008), 'Dynamic Visualization of Information Diffusion Among Scientific Field Using Link Mining ', Iran Data Mining Conference , pp. 4 (In Persian)
- Sepehri M.M., Rahnama P., Shadpour P., Teimourpour B. (2008), ' A Decision Support System for Selecting Type of Treatment for Kidney Stone Patients with Data Mining Approach ', Iran Data Mining Conference. (In Persian)
- Tahmasbi N., Sepehri M.M., Teimourpour B. (2007) “Information diffusion in scientific social networks”. (In Persian)

- Teimourpour B., Zangeneh S. (2005) “Open-source Business Models”, The Second International Conference on Information and Knowledge Technology-May 24-26 2005-Amirkabir University of Technology-Tehran-Iran. (In Persian)

Programming skills:

R statistical environment (Data mining, Social Network Analysis, Econometrics)

Python (Text mining)

GAMS (Mathematical Modeling)

Professional Experiences

Program Manager (Processing World Co.) New Product Development SEPAHTAN national GPS Tracker School servie SaaS
Business Intelligence Consultant
Project manager, Iran Insurance Company: Fraud Detection
CRM Analyst, research project, AGRICULTURE BANK OF IRAN
Project Manager, Webometrics study of Iran Hospitals
Consultant, Parston Co.: Feasibility study of Compost Plant
SaaS Business Consultant: Fanasa Co., Tehran City Automatic Fair Collection
Project Manager, Processing World Co., Automatic Fair Collection (AFC) and Automatic Vehicle Location (AVL) for Urmia City
Program Manager (Processing World Co.) New Product Development Intelligent Public Transportation Systems Automatic Fair Collection (Smart Card) Automatic Vehicle Location (GPS) Market research Request For Proposal Manager Marketing and Planing Isfahan City AFC Attendance Control and RFID
Business Intelligence Manager: Processing World Co., AFC
Text Miner: Atinegar
Support & Maintenance Manager (Processng World Corporation)
Program manager (Processng World Corporation)
Project Manager, Zafar Rayaneh Co. Search engine design for digital library Multi Media Encyclopedia of Imam Khomeini Multi Media Encyclopedia of Hadj Consultant, Multi Media Encoclopedi

Project manager, Processng World Corporation, Smart card systems
for Tehran urban

System engineer (Processng World Corporation)

Product planning

Staff planning

Perfomance Evaluation