

Curriculum Vitae

VLADIMIR KOVTUN

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Yeshiva University (Sy Syms School of Business)
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Research Interests

Current research interests include time series analysis and supply chain management. Specific areas of interest relate to the application of time series analysis to study the value of information sharing in supply chains. Topics include the effect of seasonality on the value of information sharing, the efficiency of information sharing and its impact on the Bullwhip Effect, impact of information sharing on upstream players and the chain, game theory, and impact of ordering policies on information sharing.

Past research interests include data mining, microarray analysis, development of robust clustering algorithms and classification techniques, preprocessing microarray data, and researching imputation techniques.

Education

Stern School of Business, New York University

Ph.D. in Statistics, May 2013. Advisor: Clifford Hurvich

M.Phil. in Statistics, 2011

Dissertation: The Value of Information Sharing in Supply Chains facing ARMA Demand

Rutgers University

M.S. in Statistics, 2007 Advisor: Javier Cabrera

B.A. in Statistics, Mathematics and Economics, with High Honors, 2005

Concentrations: Data Mining, Probability, Computational Statistics

Articles

Kovtun, V., Giloni, A., Hurvich, C. Seasonality and the Value of Information Sharing in Supply Chains with ARMA Demand. *In preparation*.

Giloni, A., Kovtun, V., Hurvich, C. (2014), Inferring Demand in Supply Chains with ARMA Demand. *Submitted to Operations Research Letters; ORL-D-13-00003, under review*.

Kovtun, V., Giloni, A., Hurvich, C. (2014). Assessing the Value of Demand Sharing in Supply Chains. *Naval Research Logistics; NRL-12-0177, Revised and resubmitted*.

Kovtun, V., Giloni, A., Hurvich, C. (2012). Possible Sharing Arrangements in Supply Chains. *NYU Working Paper No.; SOR-2012-04*

Kovtun, V., Giloni, A., Hurvich, C. (2012). Assessing the Difference Between Shock Sharing and Demand Sharing in Supply Chains. *NYU Working Paper No.; SOR-2012-03*

Cabrera, J., Amaratunga, D., Kovtun, V. (2007). Microarray Learning with ABC. *Biostatistics*, 9:128-136

Conference Presentations

“Impact of Information Sharing on Supply Chains”, Institute for Operations Research and the Management Sciences (INFORMS) Annual Meeting, Phoenix AZ, October 2012.

“Value of Demand Sharing in Supply Chains”, Joint Statistical Meeting, San Diego CA, August 2012.

“Information Sharing in Supply Chains”, Manufacturing and Service Operations Management (MSOM) Conference, New York NY, June 2012.

“Information Sharing in Supply Chains under ARMA demand”, Chains” (Collaborator), Manufacturing and Service Operations Management (MSOM) Conference, New York NY, June 2011.

“Tuned Two-Way Bagging for Clustering Microarrays”, DIMACS Workshop on Clustering Problems in Biological Networks, Piscataway NJ, May 2006.

“Clustering Microarray Data”, DIA Workshop on Statistical Methodology (Collaborator), Nice France, October 2005.

“DNAMR and DNAMRweb”, Interface 2004: Computational Biology and Bioinformatics (36th Symposium), Baltimore MA, May 2004.

Seminars & Meetings

“Information Sharing in Supply Chains”, NYU Information Operations and Management Sciences Department, New York NY, February 2012.

“Regime Change Analysis for Longitudinal Data”, Centocor, Wayne PA 2008.

Teaching & Research Experience

Yeshiva University

Professor, September 2013- present

Teaching undergraduate courses

“Intro to Statistics for Business” and “Quantitative Methods”

Postdoctoral Research Fellow September 2013- present

Incorporating methodologies in time series and supply chain management to study the value of information sharing in supply chains.

New York University

Instructor, 2012

Statistics for Business Control

Teaching Assistant, 2010-2012

Provided tutoring for Forecasting Time Series and Introduction to Statistics

Rutgers University

Instructor, 2007

Statistical Methods for Business

Industry Experience

Centocor, Wayne PA

Statistical Consultant/Clinical Biostatistician, 2007-2008

- Provided guidance for Statistical Analysis in Clinical Trials
- Designed SAPs for clinical trials for Rheumatoid Arthritis medication
- Developed SAS macros to validate Clinical Trial Tables and Mock-ups
- Performed meta-analysis for selection of optimal treatment targets
- Researched novel ways of analyzing longitudinal data

Johnson & Johnson PRD, Raritan NJ

Statistical Consultant, 2004-2007

- Analyzed Microarray data using Supervised and Unsupervised Classification techniques, high-dimensional computations and graphical methods
- Developed new approaches for performing cluster analysis
- Developed R and SAS code for data analysis
- Helped to develop a website for performing Microarray Analysis
- Produced publishable literature

Research Collaborators

Dr. Clifford Hurvich. Professor of Statistics and Operations Research. NYU Stern, Department of Information, Operations and Management Sciences. 2010-2012.

Dr. Avi Giloni. Associate Dean, Department Chair. Yeshiva University Sy Syms School of Business. Information and Decision Sciences Department. 2010-2012.

Dr. Rene Caldentey. Associate Professor of Operations Management. NYU Stern, Department of Information, Operations and Management Sciences. 2012.

Dr. Peter Lakner. Associate Professor of Statistics and Operations Research. NYU Stern, Department of Information, Operations and Management Sciences. 2009.

Dr. Javier Cabrera. Professor. Rutgers University, Department of Statistics and Biostatistics. 2004-2007.

Dr. Dhammika Amaratunga. Senior Director & Janssen Fellow. Nonclinical Biostatistics at Johnson & Johnson. 2004-2007.

Honors, Awards & Certificates

- New York University Fellowship, 2008
- High Honors Graduate, 2005
- Actuarial Exam P certification, 2002
- National Merit Scholar 2000
- National Society of Collegiate Scholars Award 2005

Other Skills

- Computer programming: R, SAS, Minitab, Stata, Eviews, S-Plus, Excel
- Other languages: Russian
- Recreational activities: triathlon, tennis, travel.