

Nguyen Ngoc Thach · Doan Thanh Ha ·
Nguyen Duc Trung · Vladik Kreinovich
Editors

Prediction and Causality in Econometrics and Related Topics

Contents

Theoretical Results

On Random Sets for Inference in Statistics and Econometrics	3
Hung T. Nguyen	
How the Proportion of People Who Agree to Perform a Task Depends on the Stimulus: A Theoretical Explanation of the Empirical Formula	22
Laxman Bokati, Vladik Kreinovich, and Doan Thanh Ha	
How to Explain the Anchoring Formula in Behavioral Economics	28
Laxman Bokati, Vladik Kreinovich, and Chon Van Le	
Models Only Say What They're Told to Say	35
William M. Briggs	
Lüders Rule and Conditional Probability for Commuting Events	43
John Harding and Hung Nguyen	
On Solving Image Deblurring Problem via Nash Equilibrium	57
Wachirapong Jirakitpuwapat, Poom Kumam, and Nuttapol Pakkaranang	
Commonsense Explanations of Sparsity, Zipf Law, and Nash's Bargaining Solution	67
Olga Kosheleva, Vladik Kreinovich, and Kittawit Autcharyapanikul	
Practical Steps to Improve Specification Testing	75
Austin Nichols and Mark E. Schaffer	
Why Most Empirical Distributions Are Few-Modal	89
Julio C. Urenda, Olga Kosheleva, and Vladik Kreinovich	
A Different Kind of Effect Size Based on Samples from Two Populations with Delta Log-Skew-Normal Distributions	97
Ziyuan Wang, Tonghui Wang, David Trafimow, and Zhaohui Xu	

Efficiency Effects in a Copula Based Stochastic Frontier Model	113
Woraphon Yamaka	
Why LASSO, Ridge Regression, and EN: Explanation Based on Soft Computing	123
Woraphon Yamaka, Hamza Alkhatib, Ingo Neumann, and Vladik Kreinovich	
Turning Points of Environmental Kuznets Curves for G20 Economies	131
Kejia Yan and Rakesh Gupta	
Practical Applications	
ARIMA Model – Vietnam’s GDP Forecasting	145
Lê Thị Thủy Hằng and Nguyễn Xuân Dũng	
Neural Network Models for Inflation Forecasting: A Revisit	152
Thi Thanh Xuan Pham, Tu D. Q. Le, and Tien Nhat Nguyen	
Impact of Financial Development on International Trade in ASEAN-6 Countries: A Bayesian Approach	169
Nguyen Ngoc Thach, Vo Thi Thuy Kieu, and Duong Thi Thuy An	
Determinants of Bank Liquidity: Evidence from Vietnam	185
Hai Nam Pham and Thi Hong Nhung Pham	
Liquidity Management and Stock Price Reactions in an Economic Crisis	197
Linh D. Nguyen	
High Frequency-Based Quantile Forecast and Combination: An Application to Oil Market	209
Manh Ha Tran and Ngoc Mai Tran	
The Determinants of Non-interest Income of Banks with Dominant State Capital in Vietnam	229
Nguyen Ngoc Thach, Diep T. N. Nguyen, and Hung V. Doan	
Implementation of Basel III Regulations in Asia-Pacific	241
Ngoc Quynh Anh Le and Thi Thanh Xuan Pham	
Multimarket Contact: Board Characteristics and Bank Stability in Vietnam	260
Ngoc Quynh Anh Le and Thi Thanh Xuan Pham	
The Impact of Credit on Economic Growth in Vietnam: A Comparison of Traditional Methods and the Bayes Method	276
Loc Nguyen Hoang Vinh and Van Hoan Dinh	

Economic Growth in EAGLE Emerging Economies: Exogenous or Endogenous?	293
Nguyen Ngoc Thach, Tran Anh Tuan, Nguyen Tran Xuan Linh, and Huynh Thi Tuyet Ngan	
Monetary Policy, Macroprudential Policy, Institutional Quality and Bank Risk: Evidence from Eagle Group	311
Nguyen Tran Xuan Linh, Nguyen Ngoc Thach, and Nguyen Ngoc Tan	
The Impact of Public Expenditure on Economic Growth of Provinces and Cities in the Southern Key Economic Zone of Vietnam: Bayesian Approach	328
Tran Thi Kim Oanh, Nguyen Van Diep, Pham Thanh Truyen, and Nguyen Xuan Bao Chau	
Impact of Monetary and Macroprudential Regulation on Bank Stability: A Bayesian Mixed-Effects Analysis	345
Nguyen Ngoc Thach, Nguyen Duc Trung, and Nguyen Thi Nhu Quynh	
Operational Performance of Microfinance Institutions: The Case of Lower-Middle Income Countries in Asia	362
Thuy T. Dang, Nguyen Tran Xuan Linh, and Hau Trung Nguyen	
Bankruptcy Prediction: Evidence from Vietnam	379
Duong T. T. Truong and Trung H. Le	
Applying the PLS-SEM Model for the Loyalty of Domestic Travelers	392
Bui Huy Khoi, Pham Thi Ha An, and Ngo Van Tuan	
Application of Machine Learning Concept to Tourism Demand Forecast	401
Nachatpong Kaewsompong, Sukrit Thongkairat, and Paravee Maneejuk	
The Impact of Oil Shock on Exchange Rates in BRICS Countries: A Markov Switching Model	413
Jirawan Suwannajak, Woraphon Yamaka, and Songsak Sriboonchitta	
Empirical Research on the Impact of Brand Awareness on Brand Loyalty: The Mediating Role of Brand Image	423
Dam Tri Cuong and Bui Huy Khoi	
A Comment on Hansen's Risk of James-Stein and Lasso Shrinkage	434
Chon Van Le	
Developed and Emerging Stock Markets Volatility During the Global Pandemic of Coronavirus Disease 2019 (COVID-19): Dynamic Correlation Approach	446
Pichayakone Rakpho, Woraphon Yamaka, and Terdthiti Chitkasame	

Market Behavior on the Digital Platform	457
Truong Hong Trinh and Phan Hoang Long	
A Full Convex Combination Method for Linear Regression with Interval Data	470
Somsak Chanaim and Wilawan Srichaikul	
Forecasts of GDP Growth and Inflation Under the Influence of the Covid-19 Pandemic: The Case of Vietnam	483
Tien Nhat Nguyen, Thi Thanh Xuan Pham, and Thi Canh Nguyen	
An Empirical Study on Causal Relationship Between Real Effective Exchange Rate and Foreign Portfolio Investment in Vietnam	498
Nguyen Thi Kim Lien	
Contagion Effects Among Stock Markets, Treasury Bill, Petroleum, Gold, and Cryptocurrency During the COVID-19 Pandemic: A Dynamic Conditional Correlation Approach	514
Worawat Sajjai, Paravee Maneejuk, and Songsak Sriboonchitta	
The Spillovers from US Monetary Policy to Asian Economies	530
Oanh T. K. Tran, Nga T. T. Tran, and Uyen B. T. Vu	
COVID-19: What is Going on with the Stock Market in Vietnam	547
Manh Ha Tran and Mai Tran	
The Accommodation Services Booking Intention Through the Mobile Applications of Generation Y: An Empirical Evidence Based on TAM2 Model	559
Bui Thanh Khoa, Nguyen Minh Ha, and Bui Hoang Ngoc	
LASSO Regression and Its Application in Forecasting Macro Economic Indicators: A Study on Vietnam's Exports	575
Pham Hoang Uyen, Vo Thi Le Uyen, Le Thanh Hoa, and Trinh Quoc Trung	
Determinants of Variation in Human Development Index Before and After the Financial Crisis: A Bayesian Analysis for Panel Data Model	586
Vo Thi Thuy Kieu and Le Thong Tien	
Determinants of Bank Stability: Evidence from Vietnam. A Bayesian Approach	609
Nguyen Duc Trung, Nguyen Thi Nhu Quynh, and Le Dinh Luan	
Profitability of Momentum Strategies: Empirical Evidence from Vietnam	625
Yen T. Nguyen and Manh D. Hoang	

Macroeconomic Forecasting Based on LSTM-Conditioned Normalizing Flows 658
 Hien T. Nguyen, Duc Trung Nguyen, Ngoc Thach Nguyen,
 Hai M. Nguyen, Vu H. Nguyen, Nguyen Ngoc Tan, Hung M. V. Nguyen,
 Hoang N. Truong, and Nguyen Tran Xuan Linh

The Impact of Digital Transformation on the Economic Growth of the Countries 670
 Nguyen Ngoc Tan, Huynh Thi Tuyet Ngan, Nguyen Son Hai,
 and Le Hoang Anh

Author Index..... 681