Forty Years of *Advances in Econometrics*[*]

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Abstract

Advances in Econometrics is a series of research volumes first published in 1982 by JAI Press. We present an update to the history of the Advances in Econometrics series. The initial history, published in 2012 for the 30th Anniversary Volume, describes key events in the history of the series and provides information about key authors and contributors to Advances in Econometrics. We update the original history and discuss significant changes that have occurred since 2012. These changes include the addition of five new Senior Co-Editors, seven new AIE Fellows, an expansion of the AIE conferences throughout the U.S. and abroad, and in increase in the number of citations for the series from 7,473 in 2012 to over 25,000 by 2022.

1. Introduction

Advances in Econometrics is a series of research volumes first published in 1982 by JAI Press. Beginning in 1999 the series has been published online by Emerald Insight (https://www.emerald.com/insight/publication/issn/0731-9053). The Advances in Econometrics website (https://advancesineconometrics.com) gives the mission of the publication as, "To annually publish original econometrics papers on designated topics with the intention of expanding the use of developed and emerging econometric techniques by disseminating ideas on the theory and practice of econometrics throughout empirical economic, business and social literature."

Throughout its 40 years of existence, this series certainly achieved its mission with outstanding econometricians contributing impactful papers on an impressive variety of topics. Through the first 43 volumes, 880 different authors have contributed at least one paper to Advances in Econometrics including five Nobel Prize winners; most recently, UC Berkley's David E. Card who was awarded the Nobel Prize in 2021 and contributed to Advances in

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Econometrics, Volume 38. In addition, 60 of 150 members of the "Econometricians' Hall of Fame" [see Baltagi (2003, Table 5)] have contributed at least one paper to Advances in Econometrics. During the period from 1982-2022, JAI Press published 44 Volumes of Advances in Econometrics. These volumes featured 585 papers with over 25,700 citations[1]. The number of citations has more than tripled in the 10 years since Campbell and Ogunc (2012) wrote the initial history, increasing from 7,473 citations from 1982-2012 to the current total of 25,717[2]. Volume 44, which is scheduled for publication in September 2022, consists of Essays in Honor of Fabio Canova. Table 1 lists the titles and editors for the first 44 volumes.

The rest of this paper is organized as follows. Sections 2-6 summarize the history of the volume and are structured according to important events. Section 7 summarizes recent developments, lists key contributors, and concludes the paper.

2. Beginnings of the volume: 1982-1986

The founding co-editors of Advances in Econometrics (hereinafter AIE) were the late Robert L. Basmann of Texas A&M University and George F. Rhodes, Jr. of Colorado State University. Professor Basmann received his Ph.D. from Iowa State University. He was well known for his pioneering work on simultaneous equations and two-stage least squares estimators and was named a Fellow of the Econometric Society in 1966. Professor Rhodes received his Ph.D. from Ohio State University. His early work also involved simultaneous equations. In addition, his empirical work in the field of Labor Economics is well known.

The first volume of AIE was published in 1982. The editors declared the criteria for papers published in AIE as "Papers shall make original contributions in economics and econometrics that lay major new foundations for continued study," and "Papers shall be sufficiently long and writing style sufficiently mature and complete that they are self-contained. They should be readable and should not require more than occasional reference to previous works." A later criterion added, "Papers should, where possible, contain empirical economic examples that illustrate the usefulness of described econometric techniques."

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[1] Citation counts were obtained from Google Scholar (https://scholar.google.com) as of July 28, 2022.
[2] 25,717 is the citation count for articles. We counted an additional 267 citations for the volume introductions, led by the introduction to Volume 38 which has 63 citations. Including these gives a total of 25,984 citations.

A few key statistics for the AIE volumes, papers, and authors are provided in Tables 2-5. Table 2 lists the top ten volumes by total number of citations (Panel A) and by number of new citations since the 30th Anniversary edition (Panel B). Table 3 lists the top ten AIE volumes by number of papers. Table 4, Panel A, lists the top ten most cited papers in the history of AIE while Table 4, Panel B, lists the ten most cited papers since the 30th Anniversary edition. Table 5 lists all contributors who have authored or co-authored at least 4 papers published in AIE; eight of these authors are AIE Fellows.

The first volume of the series includes papers on consumer and worker behavior in addition to papers on general econometric theory. The total number of citations for volume 1 is 482, which is the 10th highest number of total citations among AIE volumes, as shown in Table 2, Panel A. Volume 1 includes the Jorgensen, Lau, and Stoker article entitled "The Transcendental Logarithmic Model of Aggregate Consumer Behavior." This article has 380 total citations, which makes it the 8th most cited paper in the history of AIE (Table 4, Panel A). The first volume includes papers by two authors who have 3 or more AIE publications, Dale W. Jorgensen and James J. Heckman. The paper "Models of Analysis of Labor Force Dynamics" by Christopher J. Flinn and James J. Heckman appeared in the first volume. With this paper, James J. Heckman (Nobel Prize in Economics, 2000) became the first of five current or future Nobel Prize winners to publish a paper in AIE. Professor Heckman also published papers in volumes 2 and 5 of AIE.

The second volume, entitled "Exact Distribution Analysis in Linear Simultaneous Equation Models", was edited by Robert L. Basmann, who also contributed one of his sole authored articles. George Rhodes, Jr., who has the 3rd highest number of total AIE publications with 7, contributed two articles to the volume.

Volume 3, "Economics Inequality: Measurement and Policy," again edited by Professors Basmann and Rhodes, was published in 1984. In his introduction, Professor Rhodes explains the role of the disciplines and fields that are represented by the papers in this volume in the evolution of welfare economics. The 1,056 citations of this volume, which is the 4th highest total in the series, are evidence of the accomplishment of the stated purpose. In addition, this volume contains two of the top ten most cited papers in AIE: "On Economic Poverty: A Survey of Aggregate Measures," by James E. Foster, which ranks 7th with 456 citations, and "On Measurement of Tax Progressivity and Redistributive Effect of Taxes with Applications to Horizontal and Vertical Equity," by Nanak Kakwani, which ranks 10th with 299 citations.

Volume 4, edited by Professors Basmann and Rhodes in 1985, continued to develop welfare economics. In the introduction to Volume 4, which is titled "Economic Inequality: Survey Methods and Measurements," Professor Rhodes talks more about the policy implications than the evolution of the field.

Daniel J. Slottje edited the 5th volume, titled "Innovations in Quantitative Economics: Essays in Honor of Robert L. Basmann." The fifth edition is noteworthy for several reasons. First, this is the first volume that honors a great econometrician, Robert L. Basmann, who was co-founder of AIE. More importantly, this was the volume in which R. Carter Hill and Thomas B. Fomby made their first mark on AIE with their article, "Improved Confidence Sets in a Non-Utopian Setting." Volume 5 is also noteworthy in that five of the fourteen authors with 5 or more AIE publications, as shown in Table 5, have papers in this volume. Volume 5 ranks 5th in total number of papers with 16, as shown in Table 3.

3. Thomas B. Fomby becomes co-editor: 1987-1994

A notable change occurred in 1987 when Robert J. Basmann decided to step down as co-editor of AIE. Daniel J. Slottje, a former student of Professor Basmann's, was teaching at Southern Methodist University with Thomas B. Fomby. He asked Professor Fomby, an excellent econometrician who had published a paper in Volume 5 of AIE, if he would be interested in working with George F. Rhodes, Jr. as co-editor of AIE. Professor Fomby agreed to replace Professor Basmann and remains active as senior co-editor today, 35 years later. When asked what motivated him to become co-editor, Professor Fomby said that he saw the volume as something that could continue well into the future since there was no research annual of this type. In addition, he said that working on a research volume for practitioners was one of the factors that motivated him to become an editor of the volume. He described AIE as a research volume where new methodologies could be quickly disseminated to practitioners and saw it becoming more methods oriented. This became evident in future volumes in diverse areas such as Bayesian methods, time series, marketing, financial econometrics, industrial organization, survey data, and spatial econometrics to name a few. Thomas B. Fomby has recently been recognized by the SMU Board of Trustees with a Career Achievement Award for his leadership and contributions to academia (https://www.smu.edu/News/2021/Research/Economics-professor-and-campus leader-Tom-Fomby-receives-SMU-Faculty-Career-Achievement-Award).

The topic for volume 6 is "Computation and Simulation." In response to rapid advances in high-speed computers during the 1980s, this volume focused on computer intensive techniques in a variety of econometric areas. This was the first of five volumes edited by Thomas B. Fomby and George F. Rhodes, Jr.

Volume 7 is titled "Nonparametric and Robust Inference." This volume is divided into three sections: Robust Estimation, Robust Inference, and Consumer Demand Studies. The purpose is to connect microeconomic theories to testing and implementation. There are several well-cited papers throughout the volume although it no longer ranks among the top 10 most cited AIE volumes as it did at the 30th anniversary edition.

Volume 8 is titled "Co-Integration, Spurious Regressions, and Unit Roots." This volume is divided into four sections: Survey and the New Concept of Multi-Co-Integration, Developments in Testing, Developments in Theory, and Applications. The volume has 1,340 total citations, indicating the quality of the papers and high-level of interest in this topic and ranking 2nd among AIE volumes. Volume 8 includes three of the most cited papers in AIE. The volume begins with a survey paper by Francis X. Diebold and Marc Nerlove, which has generated 277 citations (12th highest in AIE). The most frequently cited paper in the volume is "Testing for Unit Roots and Cointegration by Variable Addition," by Joon Y. Park, which has been cited 356 times (9th highest in AIE). Other frequently cited papers in the volume include Pierre Perron (69 citations), Peter Schmidt (76 citations) and Bruce E. Hansen and Peter C.B. Phillips (256 citations, 13th highest in AIE history). Finally, volume 8 included the paper "Multicointegration" by Clive W.J. Granger and Tae-Hwy Lee. Clive W.J. Granger (Nobel Prize in Economics, 2003) became the second current or future Nobel Prize winner to publish in AIE (as of this writing). This paper ranks 16th overall with 235 citations. However, 223 of these citations have occurred since 2012 making it the 8th most cited paper over the past decade as shown in Table 4, Panel B.

Volume 9 is titled "Econometric Methods and Models for Industrial Organization." This is the first of two volumes focused on econometrics of industrial organization. Papers are divided between the econometric analysis of structure and incentives, regulation, and advertising. This topic was chosen in response to changes in the regulatory environment and other areas during the 1980s and early 1990s.

Volume 10, titled "Simulating and Analyzing Industrial Structure", is the follow-up volume on econometric analysis of industrial organization. Volume 10 is shorter than previous volumes with only 6 contributed papers.

Volume 10 was the final volume edited by Thomas B. Fomby and George F. Rhodes, Jr. as it marked the last volume for which founding co-editor George F. Rhodes, Jr. served as co-editor.

4. R. Carter Hill becomes co-editor: 1996-2001

After George F. Rhodes, Jr. stepped down as co-editor of AIE in 1991, Thomas B. Fomby asked R. Carter Hill, who had published articles in volumes 6 and 7, to join him as co-editor for volume 11. Professors Fomby and Hill had already known each other for 20 years, when they were both students of Stanley R. Johnson at the University of Missouri-Columbia. Starting with the publication of volume 11 of AIE in 1996, they have worked together as co-editors AIE for another 26 years and counting. Professor Fomby noted that since Professor Hill came aboard as co-editor, they have focused on papers that include more case examples and which have computer code that is fully accessible to readers upon request, allowing for quicker adoption of new methodologies. R. Carter Hill is currently an Emeritus Professor of Econometrics after he retired from Economics Department at LSU in May 2018.

Volume 11, which was split into two parts, focused on Bayesian methods. The popularity of the Bayesian approach to econometrics has grown rapidly due to new computational techniques and fast computers. Markov Chain Monte Carlo (MCMC) techniques have revolutionized the Bayesian methods that were considered impractical. The Gibbs sampling and Metropolis-Hastings algorithms made Bayesian methods very operational. Those applications were the focus of volume 11, part A, entitled "Bayesian Computational Methods and Applications." Part B, "Bayesian Methods Applied to Time Series Data," focused on the time series applications of Bayesian methods.

Following the volume on Bayesian methods, Thomas B. Fomby and R. Carter Hill edited volume 12, entitled "Applying Maximum Entropy to Econometric Problems." In his work "The Bayesian Method of Moments: Theory and Applications," Arnold Zellner explained entropy as a method that can achieve the goals of Bayesian method with fewer assumptions.

The objective for volume 13 entitled "Messy Data" and edited by Professors Fomby and Hill was to address the very frequent issue of data problems. The ten articles in this volume tackled several types and levels of

"messy" data and ways to diagnose and/or deal with these data problems for time series, cross-sectional and panel platforms.

In 2001, Professors Fomby and Hill edited Volume 14 "Applying Kernel and Nonparametric Estimation to Economic Topics." The volume had two parts, Methodology and Applications. Volume 14 ranks 9th among AIE volumes with 14 contributed papers. Badi H. Baltagi, whose tremendous contributions to AIE over the coming years would lead to his becoming one of the inaugural AIE Fellows, published his first AIE paper in volume 14. As shown in Table 5, Professor Baltagi has currently authored the most total AIE publications with 14.

Badi H. Baltagi, Thomas B. Fomby, and R. Carter Hill served as editors for Volume 15. This volume, entitled "Nonstationary Panels, Panel Cointegration, and Dynamic Panels," includes eleven refereed papers on nonstationary and dynamic panel data models written by twenty authors. Within this context, Blundell et al. discuss the estimation of dynamic panel models using generalized method of moments (GMM) in the dynamic error components framework and reports efficiency gains resulting from the system GMM estimator. This paper has received 1,287 citations (4th highest in the AIE series). Jörg Breitung, in the most frequently cited AIE paper (3,219 citations) studies the local power of panel unit root test statistics against a sequence of local power alternatives. Peter Pedroni, in the 2nd most frequently cited AIE paper (3,215 citations), develops methods for estimating and testing hypotheses for cointegrating vectors in dynamic panels. Chihwa Kao and Min-Hsien Chiang, in the 3rd most frequently cited paper (2,698 citations) study the limiting distributions of ordinary least squares (OLS), fully modified OLS (FMOLS) and dynamic OLS (DOLS) estimators in a panel cointegrated regression model, and show that the OLS, FMOLS and DOLS estimators are all asymptotically normally distributed. Finally, co-editor and frequent contributor to AIE, Badi H. Baltagi contributed a joint paper with Chihwa Kao that has been cited 911 times (5th highest). Overall, Volume 15 contains the top five most cited papers in AIE history. Each of the top three most cited papers have received more citations than any other *volume* of AIE. Due to the substantial number of heavily cited papers, Volume 15 has a total of 11,507 citations, easily the most of any volume in the series with over eight times the number of citations as the next most cited volume. Although it was published in 2001, Volume 15 also contains five of the six most cited papers over the past decade (2012-2022), since the 30th Anniversary Edition.

Philip Hans Franses and Alan L. Montgomery served as guest editors for volume 16, titled "Econometric Models in Marketing." This volume focused on the application of econometric methods on marketing theory. The

most frequently cited paper in volume 16 is "Discrete choice models incorporating revealed preferences and psychometric data," by Take Morikawa, Moshe Ben-Akiva, and Daniel L. McFadden. This is also noteworthy in that Daniel L. McFadden (Nobel Prize in Economics, 2000) became the third current or future Nobel Prize winner to publish in AIE.

5. Advances in Econometrics conferences held at LSU and SMU: 2002-2013

Volume 17, "Maximum Likelihood Estimation of Misspecified Models: Twenty Years Later," edited by Thomas B. Fomby and R. Carter Hill, was in recognition of Halbert L. White's seminal work in robust estimation. R. Carter Hill had for years wanted to have a small conference where contributors to the volume could present their work and receive strong feedback from other contributors. His goal was realized in November 2002, when authors were finally able to present their work in a unique workshop-type setting on the campus of Louisiana State University. The 1st AIE Conference was held in the Cook Conference Center on the campus of Louisiana State University, and presented papers were published in AIE Volume 17. Halbert White attended the conference and contributed a paper to the volume, as did many other outstanding econometricians. The AIE conference is still going strong with twenty-four conferences held through 2019. The conference for AIE Volume 43 was originally scheduled for April 2020 in Dallas, Texas. Unfortunately, the Volume 43 conference was cancelled due to Covid-19. Additionally, the conference for the AIE Volume titled "Essays in Honor of Joon Y. Park" was originally to be held in Bloomington, Indiana in September 2020. This AIE conference was postponed due to Covid and is tentatively scheduled for September 2023 as of this writing. Table 6 provides the dates and locations of all AIE conferences that have been held through from 2002-2022.

The 18th volume was edited by James P. LeSage and R. Kelley Pace and is titled "Spatial and Spatiotemporal Econometrics." Professors LeSage and Pace contributed a lengthy introduction to the volume, which describes spatial regression models and estimation. The contributed papers from this volume generated 579 total citations, making it the 7th most cited volume in AIE history. Authors presented their research at the 2nd Annual AIE Conference, which was held at Louisiana State University in November 2003. Professors Fomby and

Hill continued to serve as series editors, however as seen in Table 1 there were frequent guest editors beginning with volume 18.

The 19th volume was titled "Applications of Artificial Intelligence in Finance and Economics." Papers for this volume were presented at the 2003 International Conference on Artificial Intelligence in Las Vegas, NV. The volume was edited by Jane M. Binner, Graham Kendall, and Shu-Heng Chen.

Volume 20 of AIE honored the econometric contributions of 2003 Nobel Prize winners Robert F. Engle III and Sir Clive W.J. Granger. The volume is titled "Econometric Analysis of Financial and Economic Time Series." Milton Dekalb ("Dek") Terrell joined Thomas B. Fomby as editor for this volume. Volume 20 was split into two parts. To date, part 1 has 310 citations and part 2 has 506 citations, making Volume 20B the 9th most cited volume. Contributed papers in Volume 20 were presented at the 3rd Annual AIE Conference was held at Louisiana State University in November 2004. Professor Granger was not able to attend the conference as he was in New Zealand at the time. However, he did send a "reflections" piece on his career that was included in the volume. Robert F. Engle III (Nobel Prize in Economics, 2003) attended the conference and gave comments on his career. This piece was also included in the volume, marking the fourth Nobel Prize winner to publish in AIE.

Dek Terrell's involvement in AIE for Volume 20 is noteworthy for two reasons. First, Professor Terrell would later be recognized as one of two inaugural AIE Fellows. In addition, Professor Terrell holds the Freeport-McMoRan Endowed Chair of Economics at Louisiana State University and is Director of the LSU Division of Economic Development. Generous funding provided through the Freeport-McMoRan Chair has been instrumental in allowing the AIE Conference to be held as well attracting excellent contributors to the volume and conference participants. Additional funding for the AIE conferences held at LSU was provided by the Department of Economics, Department of Agricultural Economics & Agribusiness, Department of Finance, Department of Experimental Statistics, Real Estate Research Institute, and the Ourso Distinguished Chair of Economics held by R. Carter Hill at that time. Subsequent funding by numerous academic departments and donors led to AIE conferences being held at various universities in the U.S. and internationally as discussed below. Although there are too many to list, the authors want to thank all the donors for their generous support that has allowed for the AIE conferences to be held for the past 20 years.

To examine the impact of the AIE Conferences on the volume, we regress the number of papers per volume on a constant and an indicator variable equal to one for volumes with a conference and zero for volumes without a conference[3]. We obtain the following estimated regression:

$$\widehat{Papers} = 10.889 + 3.747 Conference, \quad R^2 = 0.1584$$
$$(s.e.) \quad (1.04) \quad (1.40)$$

The above regression shows that AIE conference (and its funding) is associated with a significant increase in the number of contributed papers. Overall, the average number of contributed papers has increased from 10.9 to 14.6 from the pre-conference to post-conference periods, an increase of 34%[4]. Admittedly, this regression suffers from omitted variables bias; it is plausible that the growing reputation of the AIE volume has jointly led to more paper submissions and the creation of the AIE conference. Nevertheless, the funding allows the conference host to bring contributors to the conference. In addition, the ability to receive feedback in a workshop setting is attractive to authors. Thus far, LSU has hosted the most AIE conferences with twelve followed by SMU with five. Of the remaining conferences, only University of California, Irvine has hosted more than one conference. Thus far, three conferences have been held outside the United States (see Table 6 for the complete list).

Volume 21, "Modeling and Evaluating Treatment Effects in Econometrics," was edited by Thomas B. Fomby, R. Carter Hill, Daniel L. Millimet, Jeffrey A. Smith, and Edward J. Vytlacil. This volume addressed the estimation of the effects of treatments, which engaged a tremendous amount of discussion during early 2000s. Thirteen contributing papers and twenty-three contributing writers had 683 citations (6th highest among AIE volumes) for the volume that covered most key components of the current evolution in this literature. The papers were presented in the 4th Annual AIE Conference in October 2005. This was the first AIE conference to be held at Southern Methodist University.

The subject of Volume 22, entitled "Econometrics and Risk Management," was credit risk and credit derivatives. This volume, which was edited by Jean-Pierre Fouque, Thomas B. Fomby, and Knut Solna, became

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[3] We ran the regression using Volumes 1-40.
[4] We ran a similar regression with citations as the dependent variable and found the coefficient on *conference* to be insignificant. This is not surprising since the conference is recent and older papers have had more time to be cited. In addition, as shown in Table 2, a few volumes, especially Vol. 15, tend to dominate in terms of citations.

especially relevant following the subprime crisis in August 2008. The 5th Annual AIE Conference took place in November 2006 at Cook Conference Center at Louisiana State University.

Following the success of the two parts of Volume 11, Siddhartha Chib, William Griffiths, Gary Koop, and Dek Terrell edited another volume of AIE on "Bayesian Econometrics." Volume 23 focuses on the scope and diversity of Bayesian applications as well as the Bayesian inference and computations, both on cross-section and time-series data. There are 21 contributed papers in this volume, ranking it as the volume with the highest number of papers (see Table 3). Volume 23 has 420 total citations, but 326 of these have occurred since 2012 making this the 12th most cited volume during the last decade. Authors presented their papers at the 6th Annual AIE Conference at Louisiana State University in November 2007.

Volume 24, "Measurement Error: Consequences, Applications and Solutions", was edited by Jane M. Binner, David L. Edgerton, and Thomas Elger. This volume focused on the measurement error in macroeconomic data and its impact on empirical work which impacts macroeconomic policy at the highest levels.

Volume 25 volume was edited by Qi Li and Jeffrey S. Racine. This volume focused on nonparametric estimation methods. Volume 25 has also been heavily cited in recent years. 349 of its 416 citations have occurred since 2012 making it the 9th most cited volume over the last decade. Authors in the 25th volume presented their research at the 7th Annual AIE Conference at Louisiana State University in November 2008. Volume 25 was also noteworthy in that this was the first volume for which editors selected a paper to receive the Emerald Literati Outstanding Author Contribution award. The first recipients of this award in the AIE series were Yanqin Fan and Sang Soo Park for their paper "Partial Identification of the Distribution of Treatment Effects and Its Confidence Sets." Table 7 provides a list of recipients of this prestigious award for other AIE volumes.

Volume 26 was titled "Maximum Simulated Likelihood Methods and Applications." This volume was edited by William H. Greene and R. Carter Hill. Papers appearing in the 26th volume were presented at the 8th Annual AIE Conference at Louisiana State University in November 2009.

Volume 27 was edited by David M. Drukker, then Director of Econometrics at Stata. The volume is titled "Missing Data Methods: Cross-Sectional Methods and Applications." Due to its length, Volume 27 is split into two

parts. Papers appearing in the 27th volume were presented at the 9th Annual AIE Conference at Southern Methodist University in October 2010.

Volume 28, title "DSGE Models in Macroeconomics – Estimation, Evaluation, and New Developments", was edited by Nathan Balke, Fabio Canova, Fabio Milani, and Mark A. Wynne. Dynamic Stochastic General Equilibrium (DSGE) models combine micro- and macroeconomic theory. This volume was split between papers that examine estimation practice and papers that present new methods in econometric methodology. Papers for Volume 28 were presented at the 10th Annual AIE Conference at Southern Methodist University in November 2011.

Volume 29 consists of "Essays in Honor of Jerry Hausman." Co-editors for Volume 29 were Badi H. Baltagi and Whitney Newey. Papers for Volume 29 were presented at the 11th Annual AIE Conference at Louisiana State University in February 2012. The conference concluded with a discussion of the papers and remarks by Jerry Hausman himself.

AIE celebrated its 30th year in 2012 with the "30th Anniversary Edition". In March 2012, Dek Terrell organized the 12th AIE Conference in honor of Thomas B. Fomby and R. Carter Hill. Fellow econometricians around the world showed up to honor these outstanding econometricians whose arduous work and dedication have been instrumental in the tremendous success of the AIE volumes. Dek Terrell and Daniel L. Millimet edited Volume 30, which includes several brilliant econometric papers. The authors of this history were extremely fortunate to have been students of R. Carter Hill and to have gotten to know Thomas B. Fomby and many of the contributors to the volume through the conferences. We were honored to contribute "A History of the Advances in Econometrics Series" to this volume, and to be able to update this history 10 years later.

Volume 31 was titled "Structural Econometric Models" and was edited by Eugene Choo and Matthew Shum. Volume 31 contains sections on structural dynamic models, structural models of games, and applications of structural economic models. Contributors presented their work at the 14th AIE Conference at LSU in March 2013. 2012.

Volume 32 was titled "VAR Models in Macroeconomics – New Developments and Applications: Essays in Honor of Christopher A. Sims." Thomas B. Fomby, Lutz Killian, and Anthony Murphy were co-editors for this volume. Volume 32 was among the most cited volumes with 1,146 total citations, which places it as the 3rd most

cited volume overall and 2nd most cited in the last decade. Volume 32 contains the paper "Panel Vector Autoregressive Models: A Survey," by Fabio Canova and Matteo Ciccarelli, which has 673 total citations ranking 6th among all papers published in AIE. Papers for Volume 32 were presented at the 13th AIE Conference at SMU in November 2012.

Volume 33 consists of "Essays in Honor of Peter C.B. Phillips." Co-editors for Volume 33 were Yoosoon Chang, Thomas B. Fomby, and Joon Y. Park. Volume 33 contained twenty total papers, which is the 2nd highest total among all AIE volumes. Papers for Volume 33 were presented at the 15th AIE Conference at SMU in November 2013.

6. Advances in Econometrics conferences expansion: 2014-present

The AIE conferences have further advanced the field of econometrics, allowing a unique forum for authors to share and receive feedback on their research. When we interviewed Professor Fomby in 2012, he said that he expected the series to become geographically more dispersed and that he "would like to see the conference be held outside the U.S. sometime in the coming years." The addition of co-editors in 2009 expanded the number of people working on the volumes and led to the AIE conference being held at a variety of locations both inside and outside the U.S.

In 2009, Ivan Jeliazkov (University of California, Irvine) joined Professors Fomby and Hill as Senior Co-Editor. Professor Jeliazkov earned his Ph.D. at Washington University in St. Louis. He has published extensively, particularly in Bayesian econometrics and MCMC estimation. Professor Jeliazkov had previously published papers in Volumes 23 and 26 of AIE. Dr. Jeliazkov is an international scholar who worked in academic and research institutions around the world including China, Korea, and Australia. He is also the Associate Editor of the *International Journal of Mathematical Modelling and Numerical Optimisation*. Professor Jeliazkov and Dale J. Poirier served as co-editors for Volume 34, titled "Bayesian Model Comparison." Contributors to Volume 34 presented their research at the 16th AIE conference held at the University of California, Irvine in February 2014. This was the first conference that was not held at either LSU or SMU.

Volume 35 was titled "Dynamic Factor Models" and was edited by Eric Hillebrand and Siem Jan Koopman. Professor Hillebrand was named an AIE Senior Co-Editor in 2012. Papers for Volume 35 were presented at the 17th AIE conference at Aarhus University in November 2014. This conference in Aarhus, Denmark was the first AIE conference held outside the U.S. Between 2014 and 2022, the AIE conference was held at nine separate locations and in four countries, bringing to fruition Professor Fomby's prediction that the series would become international.

Volume 36 consists of "Essays in Honor of Aman Ullah." Professor Ullah ranks 2nd in AIE publications with nine (see Table 5) and was named an AIE Fellow in 2018. Volume 36, edited by Gloria González-Rivera, R. Carter Hill, and Tae-Hwy Lee, is the only AIE volume in honor of an AIE Fellow thus far. This volume ranks 3rd in number of papers with 19. Contributors presented their research at the 18th AIE conference at the University of California, Riverside in March 2015.

Volume 37 was the second volume on "Spatial and Spatiotemporal Econometrics", following Volume 18. Badi H. Baltagi served as co-editor along with James P. LeSage and R. Kelley Pace who were also co-editors for Volume 18. Researchers presented at the 19th AIE conference, which returned to LSU in October 2015.

In 2010, Juan Carlos Escanciano (Indiana University) also became a Senior Co-Editor for AIE. Professor Escanciano earned his Ph.D. at Universidad Carlos III de Madrid, Spain. He has published numerous articles on specification tests in semiparametric and nonparametric models and many other areas of econometric theory. Dr. Escanciano also served as the Associate Editor of *Economic Bulletin* and is affiliated with numerous international econometric, statistical, and mathematical associations. Professor Escanciano has since returned to Universidad Carlos III de Madrid as Research Chair and Professor of Economics.

Mattias D. Cattaneo and Juan Carlos Escaniciano served as co-editors for Volume 38, "Regression Discontinuity Design: Theory and Applications." Volume 38 is noteworthy as it ranks 3rd in citations from 2012-2022 (and 5th overall) with 741 citations. In addition, Volume 38 included the paper "Regression Kink Design: Theory and Practice," by David E. Card, David S. Lee, Zhuan Pei, and Andrea Weber, which has received 67 citations to date. With this paper, David E. Card (Nobel Prize in Economics, 2021) became the fifth and final (so far) Nobel Prize winner to publish in paper in AIE. Volume 38 also contains two of the ten most cited papers during

the last decade, "The Deterrence Effect of Prison: Dynamic Theory and Evidence" by David S. Lee and Justin McCrary (255 citations) and "Party Bias in Union Representation Elections: Testing for Manipulation in the Regression Discontinuity Design When the Running Variable Is Discrete" by Brigham R. Frandsen (192 citations). Papers for this volume were presented at the 20th AIE conference at the University of Michigan in May 2016.

Volume 39 was titled "The Econometrics of Complex Survey Data: Theory and Applications. Kim Huynk, David Jacho-Chávez (a Senior co-editor and AIE Fellow), and Gautam Tripathi served as co-editors for Volume 39. Contributors presented at the 21st AIE conference in Ottawa, Canada hosted by the Bank of Canada. This marked the 2nd international AIE conference.

Volume 40 was edited by Ivan Jeliazkov and Justin L. Tobias. The volume was titled "Topics in Identification, Limited Dependent Variables, Partial Observability, Experimentation, and Flexible Modeling." Volume 40 was split into two parts: Part A contains 13 papers with a focus on analysis of time-series and panel data while Part B contains 10 papers and focuses on nonparametric and semiparametric estimation. Papers were presented at the 22nd AIE conference at the University of California, Irvine, which became the first school aside from LSU and SMU to host more than one AIE conference.

Volume 41 consists of "Essays in Honor of Cheng Hsiao" and was edited by Tong Li, M. Hashem Pesaran, and Dek Terrell. Professor Hsiao ranks 5th in total AIE publications with 6 contributed papers. This marked the 5th volume where Professor Terrell served as an editor. The 23rd AIE conference returned to LSU in October 2018.

Volume 42 was titled "The Econometrics of Networks" and was edited by Áureo de Paula, Elie Tamer, and Marcel Voia. Papers were presented at the 24th AIE conference in Paltinis, Romania hosted by the Bank of Romania. This marked the 3rd country outside the U.S. to host an AIE conference.

Volume 43, titled "Essays in Honor of M. Hashem Pesaran" was edited by Alexander Chudik, Cheng Hsiao, and Allan Timmermann. Papers for this volume were scheduled to be presented at the 25th AIE conference in Dallas, Texas on April 4-5, 2020. Although the conference was cancelled due to Covid-19, Volume 43 was published in January 2022. Volume 43 contains 27 papers and is split into two parts. Part A contains papers related to prediction and macro modeling and Part B contains papers related to micro applications and panel modeling.

Volume 44, titled "Essays in Honor of Fabio Canova" is scheduled for publication in September 2022. Volume 44 is edited by Juan J. Dolado, Luca Gambetti, and Christian Matthes and is also split into Part A, which contains 6 papers, and Part B, which contains 5 papers.

The AIE conference for the present volume, "Essays in Honor of Joon Y. Park", is scheduled to begin on Friday, September 29, 2023, in Bloomington, Indiana.

7. Recent Developments: Senior Co-Editors and AIE Fellows

During the past 40 years, Advances in Econometrics has certainly succeeded in "expanding the use of newly vintaged econometric techniques throughout the empirical economic literature and beyond." Numerous outstanding econometricians, including five Nobel Prize winners, have published in the volume. Combined, the papers in AIE have been cited over 25,000 times. Professor Fomby stated that AIE has been able to establish a reputation for quality due to the outstanding papers submitted by its authors and their editorial comments and suggestions for improving the publication. Among the almost 900 contributors over the years, we note a few who deserve special mention.

First, the series editors, George F. Rhodes, Jr. and Robert L. Basmann, who started the series, and Thomas B. Fomby and R. Carter Hill who have been Senior Co-Editors for 36 and 27 years, respectively. In addition, to Professors Fomby and Hill, the following individuals currently serve as Senior Co-editors for AIE:

Juan Carlos Escanciano (Universidad Carlos III de Madrid)

Eric Hillebrand (Aarhus University)

David Jacho-Chávez (Emory University)

Ivan Jeliazkov (University of California, Irvine)

Daniel L. Millimet (Southern Methodist University)

Alicia Rambaldi (University of Queensland)

Rodney Strachan (University of Queensland)

In February 2012, the election of <u>Advances in Econometrics</u> Fellows was introduced, and the two inaugural AIE fellows were Badi H. Baltagi and M. Dek Terrell. They were followed by Aman Ullah, Tae-Hwy Lee, Christopher F. Parmeter, Daniel J. Henderson, Kim P. Huynh, David Jacho-Chávez, and Tiemen Woutersen. Contributors are eligible to for election as AIE Fellow provided they have:

i)   Served as editor or co-editor for 3 or more volumes of <u>Advances in Econometrics</u>, OR

ii)   Contributed 4 papers to the series as author or co-author.

iii)   A contributor who meets i) or ii) and is recommended by an AIE co-editor and approved by a unanimous vote of the Board of AIE co-editors will be named an AIE Fellow.

As shown in Table 5, Professor Baltagi of Syracuse University ranks first in total articles contributed to the series with 14 articles, which have appeared in Volumes 14, 15, 17, 18, 29, 30, 33, 36, 37, 41, and 43. In addition, he served as editor for Volume 15, which has the highest number of total citations in the series (see Table 2). His contributed paper in Volume 15 has the fifth highest number of total citations (see Table 4). Professor Baltagi also served as co-editor for Volume 29.

Professor Terrell contributed papers to Volumes 23 and 37. He served as editor for Volumes 20A, 20B, 23, 30, and 41. Volume 20B ranks 9th in total citations (see Table 2). In addition, Table 3 shows that Volume 23 ranks first in total number of papers while Volume 20B ranks in the top 10 with 14 papers. Volume 20A and 20B combined rank first with 27 total papers. In addition, Professor Terrell's generous contributions via the Freeport-McMoRan Endowed Chair of Economics have provided necessary funding for the AIE Conference.

Professor Ullah was awarded his Doctorate in Economics by the Delhi School of Economics at Delhi University. Before he joined the University of California, Riverside in 2008, Ullah completed a post-doctoral fellowship at SMU in 1973. He is currently a distinguished professor at University of California, Riverside. He contributed 9 papers across 8 volumes of AIE. His contributions to volumes 6, 7, 14, 15, 25, 33, 40, and 43 generated a total of 126 citations. <u>Advances in Econometrics</u> dedicated Volume 36 to honor Dr. Ullah who has extensive work and interest in panel data, non-parametric econometrics, and information theoretic econometrics.

Tae-Hwy Lee was named an AIE fellow in 2018. He has been co-editor of AIE Volume 36: Essays in Honor of A. Ullah in 2017. He contributed papers to Volumes 8, 20, 30, 40, and 43. His 7 contributed papers have received a total of 283 citations. Professor Lee received his Ph.D. in Economics from University of California, San Diego in June 1990 with a thesis entitled "Essays on Multicointegration and Nonlinearity." His thesis committee included Sir Clive W.J. Granger and Halbert White Jr. He is currently Professor of Economics at the University of California, Riverside where he has been employed since 2004. Professor Lee's research topics include forecasting, financial econometrics, and machine learning.

Professor Christopher F. Parmeter was also elected as an AIE fellow in 2018 for his work on Volumes 21, 25, 29, and 36, which have received a total of 119 citations. Professor Parmeter received his PhD from Binghamton University in 2006. He is currently at University of Miami, Department of Economics. His research interests include applied nonparametric econometrics, hedonic modeling, growth empirics, and efficiency analysis.

Daniel J Henderson contributed to Volumes 21, 25, 29, and 36 where he focused on his interests of nonparametric econometrics, applied micro and panel data econometrics. He earned his Ph.D. in Economics at University of California, Riverside in Spring 2003. Professor Henderson is currently a Professor of Economics at the Department of Economics, Finance and Legal Studies at the University of Alabama where he has been working since Fall 2015.

Tiemen Woutersen was selected as an AIE fellow in 2019. Professor Woutersen received his Ph.D. in Economics from Brown University and is currently a Professor of Economics at University of Arizona. He has done a great deal of work on IV models with heteroskedasticity and many instruments, publishing numerous articles in top econometrics journals including *Econometrica*, *Journal of Econometrics*, and *Econometric Theory*. He has contributed four articles in AIE in volumes 17, 27, and 29 (2 articles). His sole-authored paper in volume 27, "Consistent Estimation and Orthogonality," is his most cited work in AIE with 17 citations to date.

The most recent AIE fellows are Kim P. Huynh and David Jacho-Chávez. Professor Huynh received his Ph.D. from Queen's University at Kingston. He is currently a Senior Research Advisor at the Bank of Canada and Adjunct Research Professor at Emory University. Professor Huynh's research interest include applied econometrics, firm dynamics, and industrial economics. Professor Jacho-Chávez received his Ph.D. from the London School of

Economics & Political Science. He is currently Professor of Economics and Director of Graduate Studies at Emory University. His research interests include nonparametric and semiparametric estimation methods. Professors Huynh and Jacho-Chávez have co-authored four papers in AIE for volumes 25, 27 (2 papers), and 42. In addition, they served as co-editors with Gautam Tripathi for AIE volume 39. Professor Jacho-Chávez also serves as a Senior Co-editor for AIE. Due to their significant contributions to AIE, professors Huynh and Jacho-Chávez were both elected as AIE fellows in 2020.

AIE celebrates its 40th year in 2022 and, given the continuing contributions of many including the newest Senior Co-Editors and AIE Fellows, will be "expanding the use of newly vintage econometric techniques" for many years to come.

References

[1] Baltagi, B.H., 2003, Worldwide institutional and individual rankings in econometrics over the period 1989-1999: An update, Econometric Theory, 19, 165-224.

[2] Campbell, R.C. and Ogunc, A., 2012, A History of the Advances in Econometrics Series, Advances in Econometrics, 30, 3-24.

Table 1. AIE Titles and Editors: Volumes 1-43

Volume	Year	Title	Editors
1	1982	Studies of Consumer and Worker Behavior	R.L. Basmann, George F. Rhodes, Jr.
2	1983	Exact Distribution Analysis in Linear Simultaneous Equation Models	R.L. Basmann, George F. Rhodes, Jr.
3	1984	Economic Inequality: Measurement and Policy	R.L. Basmann, George F. Rhodes, Jr.
4	1985	Economic Inequality: Survey Methods and Measurement	R.L. Basmann, George F. Rhodes, Jr.
5	1986	Innovations in Quantitative Economics: Essays in Honor of R.L. Basmann	Daniel J. Slottje
6	1987	Computation and Simulation	Thomas B. Fomby, G. F. Rhodes, Jr.
7	1988	Nonparametric and Robust Inference	Thomas B. Fomby, G. F. Rhodes, Jr.
8	1990	Co-Integration, Spurious Regressions, and Unit Roots	Thomas B. Fomby, G. F. Rhodes, Jr.
9	1991	Econometric Methods and Models for Industrial Organizations	Thomas B. Fomby, G. F. Rhodes, Jr.
10	1994	Simulating and Analyzing Industrial Structure	Thomas B. Fomby, G. F. Rhodes, Jr.
11A	1996	Bayesian Computational Methods and Applications	Thomas B. Fomby, R. Carter Hill
11B	1996	Bayesian Methods Applied to Time Series Data	Thomas B. Fomby, R. Carter Hill
12	1997	Applying Maximum Entropy to Econometric Problems	Thomas B. Fomby, R. Carter Hill
13	1998	Messy Data – Missing Observations, Outliers, and Mixed-Frequency Data	Thomas B. Fomby, R. Carter Hill
14	2000	Applying Kernel and Nonparametric Estimation to Economic Topics	Thomas B. Fomby, R. Carter Hill
15	2001	Nonstationary Panels, Panel Cointegration, and Dynamic Panels	B. Baltagi, T. Fomby, R. Carter Hill
16	2002	Econometric Models in Marketing	P. H. Franses, A. L.Montgomery
17	2003	Maximum Likelihood Estimation of Misspecified Models: Twenty Years Later	Thomas B. Fomby, R. Carter Hill
18	2004	Spatial and Spatiotemporal Econometrics	James P. Lesage, R. Kelley Pace
19	2004	Applications of Artificial Intelligence in Finance and Economics	J. Binner, G. Kendall, S. Chen
20A	2006	Econometric Analysis of Financial and Economic Time Series	Thomas B. Fomby, Dek Terrell
20B	2006	Econometric Analysis of Financial and Economic Time Series	Thomas B. Fomby, Dek Terrell
21	2008	Modeling and Evaluating Treatment Effects in Econometrics	T. Fomby, R.C. Hill, D. Millimet, J. Smith, and E. Vytacil
22	2008	Econometrics and Risk Management	J-P. Fouque, T. Fomby, K. Solna
23	2008	Bayesian Econometrics	S.Chib, W.Griffiths, G.Koop, D.Terrell
24	2009	Measurement Error: Consequences, Applications and Solutions	J. Binner, D. Edgerton, T. Elger
25	2009	Nonparametric Econometric Methods	Qi Li, Jeffrey S. Racine
26	2010	Maximum Simulated Likelihood Methods and Applications	William Greene, R. Carter Hill
27A	2011	Missing Data Methods: Cross-Sectional Methods and Applications	David M. Drukker
27B	2011	Missing Data Methods: Time-Series and Applications	David M. Drukker
28	2012	DSGE Models in Macroeconomics-Estimation, Evaluation, and New Develop.	Balke, Canova, Milani, Wynne
29	2012	Essays in Honor of Jerry Hausman	B. Baltagi, R.C. Hill, W. Newey, H. White
30	2012	30th Anniversary Edition	Dek Terrell, Daniel Millimet
31	2013	Structural Econometric Models	Eugene Choo, Matthew Shum
32	2013	VAR Models in Macroeconomics – New Developments and Applications: Essays in Honor of Christopher A. Sims	Thomas B. Fomby, L. Killian, A. Murphy
33	2014	Essays in Honor of Peter C.B. Phillips	Y. Chang, T. Fomby, J. Park
34	2014	Bayesian Model Comparison	Ivan Jeliazkov, Dale Poirier
35	2016	Dynamic Factor Models	Eric Hillebrand, Siem Jan Koopman

36	2016	Essays in Honor of Aman Ullah	G. Gonzalez-Rivera, R.C. Hill, T. Lee
37	2016	Spatial and Spatiotemporal Econometrics	Balke, Canova, Milani, Wynne
38	2017	Regression Discontinuity Designs: Theory and Applications	M.D. Cattaneo, J.C. Escanciano
39	2019	The Econometrics of Complex Survey Data: Theory and Applications	K.Huynh, D.Jacho-Chávez, G.Tripathi
40A	2019	Topics in Identification, Limited Dependent Variables, Partial Observability, Experimentation, and Flexible Modeling: Part A	Ivan Jeliazkov, Justin L. Tobias
40B	2019	Topics in Identification, Limited Dependent Variables, Partial Observability, Experimentation, and Flexible Modeling: Part B	Ivan Jeliazkov, Justin L. Tobias
41	2020	Essays in Honor of Cheng Hsiao	T. Li, M.H. Pesaran, D. Terrell
42	2020	The Econometrics of Networks	Á. De Paula, E. Tamer, M. Voia
43A	2022	Essays in Honor of M. Hashem Pesaran: Prediction and Macro Modeling	A. Chudik, C. Hsiao, A. Timmermann
43B	2022	Essays in Honor of M. Hashem Pesaran: Panel Modeling, Micro Applications, and Econometric Methodology	A. Chudik, C. Hsiao, A. Timmermann
44A	2022	Essays in Honor of Fabio Canova: Part A	J. Dolado, L. Gambetti, C. Matthes
44B	2022	Essays in Honor of Fabio Canova: Part B	J. Dolado, L. Gambetti, C. Matthes

Table 2, Panel A. Top Ten AIE Volumes by Number of Citations

Volume	Title	Citations
15	Nonstationary Panels, Panel Cointegration, and Dynamic Panels	11,507
8	Co-Integration, Spurious Regressions, and Unit Roots	1,340
32	VAR Models in Macroeconomics – New Developments and Applications: Essays in Honor of Christopher A. Sims	1,146
3	Economic Inequality: Measurement and Policy	1,056
38	Regression Discontinuity Designs: Theory and Applications	741
21	Modeling and Evaluating Treatment Effects in Econometrics	683
16	Econometric Models in Marketing	579
18	Spatial and Spatiotemporal Econometrics	579
20B	Econometric Analysis of Financial and Economic Time Series	506
1	Studies of Consumer and Worker Behavior	482

Table 2, Panel B. Top Ten AIE Volumes by Number of New Citations Since 30th Anniversary Edition

Volume	Title	Citations
15	Nonstationary Panels, Panel Cointegration, and Dynamic Panels	8,431
32	VAR Models in Macroeconomics – New Developments and Applications: Essays in Honor of Christopher A. Sims	1,146
38	Regression Discontinuity Designs: Theory and Applications	741
8	Co-Integration, Spurious Regressions, and Unit Roots	719
21	Modeling and Evaluating Treatment Effects in Econometrics	451
3	Economic Inequality: Measurement and Policy	446
35	Dynamic Factor Models	379
16	Econometric Models in Marketing	370
18	Spatial and Spatiotemporal Econometrics	349
25	Nonparametric Econometric Methods	349

Table 3. Top Ten AIE Volumes by Number of Papers

Volume	Title	Number of Papers
23	Bayesian Econometrics	21
33	Essays in Honor of Peter C.B. Phillips	20
36	Essays in Honor of Aman Ullah	19
29	Essays in Honor of Jerry Hausman	18
5	Innovations in Quantitative Economics: Essays in Honor of R.L. Basmann	16
35	Dynamic Factor Models	16
41	Essays in Honor of Cheng Hsiao	16
25	Nonparametric Econometric Methods	15
12	Applying Maximum Entropy to Econometric Problems	14
14	Applying Kernel and Nonparametric Estimation to Economic Topics	14
20B	Econometric Analysis of Financial and Economic Time Series	14
30	30th Anniversary Edition	14
43A	Essays in Honor of M. Hashem Pesaran: Prediction and Macro Modeling	14

Table 4, Panel A. Top Ten AIE Papers by Number of Citations

Author(s)	Paper	Volume	Citations
Jorg Breitung	The Local Power of some Unit Root Tests for Panel Data	15	3,219
Peter Pedroni	Fully Modified OLS for Heterogeneous Cointegrated Panels	15	3,215
Chihwa Kao and Min-Hsien Chiang	On the Estimation and Inference of a Cointegrated Regression in Panel Data	15	2,698
Richard Blundell, Stephen Bond, and Frank Windmeijer	Estimation in Dynamic Panel Data Models: Improving the Performance of the Standard GMM Estimator	15	1,287
Badi H. Baltagi and Chihwa Kao	Nonstationary Panels, Cointegration in Panels, and Dynamic Panels: A Survey	15	911
Fabio Canova and Matteo Ciccarelli	Panel Vector Autoregressive Models: A Survey	32	673
James E. Foster	On Economic Poverty: A Survey of Aggregate Measures	3	456
Dale W. Jorgensen, Lawrence J. Lau, and Thomas M. Stoker	The Transcendental Logarithmic Model of Aggregate Consumer Behavior	1	380
Joon Y. Park	Testing for Unit Roots and Cointegration by Variable Addition	8	356
Nanak Kakwani	On the Measurement of Tax Progressivity and Redistributive Effect of Taxes with Applications to Horizontal and Vertical Equity	3	299

Table 4, Panel B. Top Ten AIE Papers by Number of New Citations Since 30th Anniversary Edition

Author(s)	Paper	Volume	Citations
Jorg Breitung	The Local Power of some Unit Root Tests for Panel Data	15	2,522
Peter Pedroni	Fully Modified OLS for Heterogeneous Cointegrated Panels	15	2,490
Chihwa Kao and Min-Hsien Chiang	On the Estimation and Inference of a Cointegrated Regression in Panel Data	15	2,007
Richard Blundell, Stephen Bond, and Frank Windmeijer	Estimation in Dynamic Panel Data Models: Improving the Performance of the Standard GMM Estimator	15	853
Fabio Canova and Matteo Ciccarelli	Panel Vector Autoregressive Models: A Survey	32	673
Badi H. Baltagi and Chihwa Kao	Nonstationary Panels, Cointegration in Panels, and Dynamic Panels: A Survey	15	477
David S. Lee and Justin McCrary	The Deterrence Effect of Prison: Dynamic Theory and Evidence	38	255
Clive W.J. Granger and Tae-Hwy Lee	Multicointegration	8	223
Alexander Chudik, Kamiar Mohaddes M. Hashem Pesaran, Mehdi Raissi	Long-run Effects in Large Heterogeneous Panel Data Models with Cross-Sectionally Correlated Errors	36	211
Brigham R. Frandsen	Party Bias in Union Representation Elections: Testing for Manipulation in the Regression Discontinuity Design When the Running Variable Is Discrete	38	192

Table 5. Top Authors by Number of Papers Published in AIE

Author	Number of Papers	Volumes	Total Citations
Badi H. Baltagi*	14	11 (Vol. 14, 15, 17, 18, 29, 30, 33, 36, 37, 41,43)	993
Aman Ullah*	9	8 (Volumes 6, 7, 14, 15, 25, 33, 40, 43)	126
Tae-Hwy Lee *	7	5 (Volumes 8, 20, 30, 40, 43)	283
George F. Rhodes, Jr.	7	4 (Volumes 2, 5, 6, 10)	9
R. Carter Hill ‡	6	6 (Volumes 5, 6, 7, 17, 26, 29)	77
Cheng Hsiao	6	5 (Volumes 16, 33, 36, 41, 43)	62
Qi Li	6	6 (Volumes 13, 14, 15, 25, 27, 36)	62
Georges Bresson	5	4 (Volumes 17, 29, 41, 43)	30
Thomas B. Fomby ‡	5	5 (Volumes 5, 6, 7, 17, 41)	14
Gary Koop	5	3 (Volumes 23, 34, 40)	119
James P. LeSage	5	3 (Volumes 18, 30, 37)	271
Christopher F. Parmeter*	5	4 (Volumes 21, 25, 29, 36)	119
Peter C.B. Phillips	5	5 (Volumes 2, 5, 8, 36, 41)	315
Daniel J. Slottje	5	4 (Volumes 3, 5, 6, 12)	8
Yong Bao	4	3 (Volumes 20, 33, 36)	14
Jane M. Binner	4	2 (Volumes 19, 24)	49
Siddhartha Chib	4	3 (Volumes 11, 16, 23)	161
Peter H. Egger	4	4 (Volumes 29, 37, 42, 43)	14
William Griffiths	4	4 (Volumes 11, 23, 30, 40)	9
Daniel J. Henderson*	4	4 (Volumes 21, 25, 29, 36)	112
Kim P. Huynh*	4	3 (Volumes 25, 27, 42)	26
David T. Jacho-Chavez* ‡	4	3 (Volumes 25, 27, 42)	26
Ivan Jeliazkov ‡	4	4 (Volumes 23, 26, 32, 40)	133
Chihwa Kao	4	3 (Volumes 15, 30, 33)	3,627
Esfandiar Maasoumi	4	4 (Volumes 5, 33, 36, 43)	11
Ron C. Mittelhammer	4	4 (Volumes 11, 18, 29, 30)	46
R. Kelley Pace	4	3 (Volumes 30, 37, 41)	70
Jeffrey S. Racine	4	4 (Volumes 14, 16, 25, 36)	27
Matthew Shum	4	3 (Volumes 31, 34, 41)	39
Liangjun Su	4	3 (Volumes 25, 29, 36)	66
Donggyu Sul	4	3 (Volumes 33, 41, 43)	9
Justin L. Tobias	4	3 (Volumes 21, 23, 40)	51
Tiemen Woutersen*	4	3 (Volumes 17, 27, 29)	31

* AIE Fellow

‡ Senior Co-Editor

Table 6. AIE Conference Dates, Locations, and Hosts: Conferences 1-24

Conference	Volume	Conference Date	Location	Host
1	17	November 2002	Baton Rouge, LA	Louisiana State University
2	18	November 2003	Baton Rouge, LA	Louisiana State University
3	20	November 2004	Baton Rouge, LA	Louisiana State University
4	21	October 2005	Dallas, TX	Southern Methodist University
5	22	November 2006	Baton Rouge, LA	Louisiana State University
6	23	November 2007	Baton Rouge, LA	Louisiana State University
7	25	November 2008	Baton Rouge, LA	Louisiana State University
8	26	November 2009	Baton Rouge, LA	Louisiana State University
9	27	October 2010	Dallas, TX	Southern Methodist University
10	28	November 2011	Dallas, TX	Southern Methodist University
11	29	February 2012	Baton Rouge, LA	Louisiana State University
12	30	March 2012	Baton Rouge, LA	Louisiana State University
13	32	November 2012	Dallas, TX	Southern Methodist University
14	31	March 2013	Baton Rouge, LA	Louisiana State University
15	33	November 2013	Dallas, TX	Southern Methodist University
16	34	February 2014	Irvine, CA	University of California, Irvine
17	35	November 2014	Aarhus, Denmark	Aarhus University
18	36	March 2015	Riverside, CA	University of California, Riverside
19	37	October 2015	Baton Rouge, LA	Louisiana State University
20	38	May 2016	Ann Arbor, MI	University of Michigan
21	39	October 2017	Ottawa, Canada	Bank of Canada
22	40	June 2018	Irvine, CA	University of California, Irvine
23	41	October 2018	Baton Rouge, LA	Louisiana State University
24	42	May 2019	Paltinis, Romania	Bank of Romania

Table 7, Emerald Literati Outstanding Author Contribution Award Recipients

Author(s)	Paper	Volume	Citations
Yanqin Fan and Sang Soo Park	Partial Identification of the Distribution of Treatment Effects and Its Confidence Sets	25	47
Florian Heiss	The Panel Probit Model: Adaptive Integration on Sparse Grids	26	22
Daniel L. Milllimet	The Elephant in the Corner: A Cautionary Tale About Measurement Error in Treatment Effects Models	27A	53
Massimo Guidolin	Markov Switching in Portfolio Choice and Asset Pricing Models: A Survey	27B	27
Denis Tkachenko and Zhongjun Qu	Frequency Domain Analysis of Medium Scale DSGE Models with Application to Smets and Wouters	28	13
Matthew Harding, Carlos Lamarche	Quantile Regression Estimation of Panel Duration Models with Censored Data	29	7
George Judge and Ron Mittelhammer	A Risk Superior Semiparametric Estimator for Overidentified Linear Models	30	2
Federico Echenique, Ivana Komunjer	A Test for Monotone Comparative Statics	31	3
Fabio Canova and Matteo Ciccarelli	Panel Vector Autoregressive Models: A Survey	32	673
Yixiao Sun	Fixed-smoothing Asymptotics and Asymptotic F and t Tests in the Presence of Strong Autocorrelation	33	15
Garland Durham and John Geweke	Adaptive Sequential Posterior Simulators for Massively Parallel Computing Environments	34	78
Jens H. E. Christensen and Glenn D. Rudebusch	Modeling Yields at the Zero Lower Bound: Are Shadow Rates the Solution?	35	133
Alexander Chudik, Kamiar Mohaddes M. Hashem Pesaran, Mehdi Raissi	Long-Run Effects in Large Heterogeneous Panel Data Models with Cross-Sectionally Correlated Errors	36	211
R. Kelley Pace and James P. LeSage	Fast Simulated Maximum Likelihood Estimation of the Spatial Probit Model Capable of Handling Large Samples	37	32
David S. Lee and Justin McCrary	The Deterrence Effect of Prison: Dynamic Theory and Evidence	38	255
Iraj Rahmani, Jeffrey M. Wooldridge	Model-selection Tests for Complex Survey Samples	39	0
Gary Koop and Luca Onorante	Macroeconomic Nowcasting Using Google Probabilities	40A	69
Alexander Chudik, M. Hashem Pesaran, and Kamiar Mohaddes	Identifying Global and National Output and Fiscal Policy Shocks Using a GVAR	41	3