Curriculum Vitae
Donggyu Sul
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Personal Information

Office Address:
800 W. Campbell Road
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Education

Ph.D., Economics, The Ohio State University, June 1992.
B.S., Economics, Korea University, February 1988.

Research Interests

Panel Data Econometrics, International Finance, Econometrics on Experiment

Employment

2019-Currently	Part Time External Senior Economic Advisor, Decision Support Center, Royal Court
2016-Currently	John Kain Professor of Economics, University of Texas at Dallas
2009-2016	Professor, Department of Economics, University of Texas at Dallas
2006-2009	Associate Professor (equivalent to Full Professor in US) Department of Economics, University of Auckland
2006-2007	Visiting Fellow, Kellogg Institute for International Studies, University of Notre Dame.
2004-2005	Senior Lecturer above BAR (equivalent to Associate Professor in US), Department of Economics, University of Auckland.
2000 –2003	Senior Lecturer below BAR, Department of Economics, University of Auckland.
1998 – 2000	Visiting Assistant Professor, Department of Economics, Ohio State

University.

1992-1997 Research Economist, The Institute of Economic Research, Korea University, (appointment fulfilled Korean military service requirement).

Refereed Journal Publications

1. Weak Sigma Convergence: Theory and Applications (with Jianning Kong and Peter C.B. Phillips), 2019, forthcoming in *Journal of Econometrics*

2. Testing Weak Sigma Convergence using HAR Inference (with Jianning Kong and Peter C.B. Phillips), 2019, forthcoming in Advances in Econometrics

3. Estimation of Treatment Effects in Repeated Public Good Experiments (with Jianning Kong), 2018, *Econometrics,* 6(4), 43

4. Identifying Exchange Rates Common Factors, (with Ryan Greenaway-McGrevy, Nelson C. Mark and Jyh-Lin Wu), *International Economic Review*, 2018, 59(4). 2193--2218

5. Lag Length Selection in Panel Autoregression, (with Chirok Han and Peter C.B. Phillips), *Econometric Review*, 2017, Vol 36(1), 225—240.

6. Identification of Unknown Common Factors: Leaders and Followers (with Jason Parker), *Journal of Business, Economics and Statistics*, 2016, Vol 34(2), 227—239.

7. Dynamic Panel Analysis under Cross-Sectional Dependence, *Political Analysis*, 2014, Vol 22 (2), 258--273 (with Khusrav Gaibulloev and Todd Sandler)

8. Of Nickell Bias, Cross-Sectional Dependence, and Their Cures: Reply. *Political Analysis*, 2014, Vol 22 (2), 279-280 (with Khusrav Gaibulloev and Todd Sandler)

9. X-Differencing and Dynamic Panel Model Estimation, *Econometric Theory,* 2014, Vol 30 (1), 201—251 (with Chirok Han and Peter C.B. Phillips)

10. Common Drivers of Transnational Terrorism: Principal Component Analysis, *Economic Inquiry*, 2013, 707--721 (with Gaibulloev Khusrav and Todd Sandler)

11. Standardization and Estimation of the Number of Factors for Panel Data, *Journal of Economic Theory and Econometrics*, 2012, 79--88 (with Ryan Greenaway-McGrevy and Chirok Han)

12. Estimating the Number of Common Factors in Serially Dependent Approximate Factor Models, *Economic Letters* 2012, 531--534 (with Ryan Greenaway-McGrevy and Chirok Han)

13. Asymptotic Distribution of Factor Augmented Estimators for Panel Regression, *Journal of Econometrics*, 2012 48--53 (with Ryan Greenaway-McGrevy and Chirok Han)

14. Uniform Asymptotic Normality in Stationary and Unit Root Autoregression, *Econometric Theory,* 2011, 27 (6), 1117--1151 (with Chirok Han and Peter C.B. Phillips)

15. Bias Reduction in Dynamic Panel Data Models by Recursive Mean Adjustment under Cross Section Dependence, *Oxford Bulletin of Economics and Statistics,* 2010, 72(7), 567--599 (with CY Choi and Nelson C. Mark)

16. Panel Unit Root Tests under Cross Section Dependence with Recursive Mean Adjustment, 2009, *Economics Letters* 2009, 105 (1) 123-126.

17. Economic Growth and Transition, *Journal of Applied Econometrics* 2009, 24, 1153-1185 (with Peter .C.B. Phillips)

18. Endogenous Discounting, the World Savings Glut and the U.S. Current Account, *Journal of International Economics,* 2008, 30-53, (with Horag Choi and Nelson C. Mark)

19. Transition Modelling and Econometric Convergence Tests, *Econometrica,* 2007, Vol. 75, 1771-1855. (with Peter C.B. Phillips)

20. Bias in Dynamic Panel Estimation with Fixed Effects, Incidental Trends and Cross Section Dependence, *Journal of Econometrics*, 2007, 137. 162-188 (with Peter C.B. Phillips)

21. Some Empirics on Economic Growth under Heterogeneous Technology, 2007 (with Peter C.B. Phillips) *Journal of Macroeconomics,* 455-469.

22. Unbiased Estimation of the Half-Life to PPP Convergence in Panel Data, 2006, (with CY Choi and Nelson C. Mark) *Journal of Money, Credit, and Banking,* Vol, 38, 921-938.

23. Prewhitening Bias in HAC Estimation, 2005 (with Peter C.B. Phillips and CY Choi) *Oxford Bulletin of Economics & Statistics,* Vol. 67, 517-546.

24. Dynamic Seemingly Unrelated Cointegrating Regression, 2005 (with Nelson C. Mark and Masao Ogaki), *Review of Economic Studies,* 72, 797-820.

25. Dynamic Panel Estimation and Homogeneity Testing Under Cross Section Dependence", (with Peter C.B. Phillips), *The Econometrics Journal*, 2003, Vol. 6. 217-260.

26. Cointegration Vector Estimation by Panel DOLS and Long-Run Money Demand, (with Nelson C. Mark), *Oxford Bulletin of Economics & Statistics*, 2003, Vol 65, 655-680.

27. Spatial Market Efficiency and Policy Regime Change: Seemingly Unrelated Error Correction Model Estimation, (with S.R. Thompson and M.T. Bohl), *American Journal of Agricultural Economics,* 2002, 84(4), 1042--1053.

28. Nominal Exchange Rates and Monetary Fundamentals: Evidence from a Seventeen Country Panel, (with Nelson C. Mark), *Journal of International Economics*, 2001, 53, 29-52.

29. Excess Volatility of Realized Excess Profit from Currency Speculation in a Two-Country General Equilibrium Model, *Review of International Economics*, 1999, 7, 280-292.

30. Does Ex Post Uncovered Interest Differential Reflect on the Degrees of Capital Mobility? *Applied Economics Letters*, 1999, 6, 97-102.

Book & Book Chapter

31. Panel Data Econometrics: Common Factor Analysis for Empirical Researchers, Taylor & Routledge, 2019

32. Efficient Estimation and Inference for Difference-in-Difference Regressions with Persistent Errors, 2014 (with Ryan Greenaway-McGrevy and Chirok Han), **Advances in Econometrics,** Vol (33), 281—302

33. Average Estimation of Dynamic Panel Models with Nonstationary Initial Condition March 2014 (with John Chao and Myungsup Kim), **Advances in Econometrics**, Vol (33), 241--279

34. "When Are Pooled Panel-Data Regression Forecasts of Exchange Rates More Accurate than the Time-Series Regression Forecasts?" (with Nelson C. Mark), **The Handbook of Exchange Rates**, 2012, 256 -- 281, Edited by L. Sarno, J. James and I. Marsh, John Wiley & Sons, Inc.

Other Referred Publications (in Korean)

35. Forecasting of Yen-Dollar Rates in the Short Run. 1997 (with D.Y. Choi) *Korean Journal of Money and Finance.* Vol. 2, No. 1, 85--113 June.

36. *Forecasting of Yen-Dollar Rates in the Long Run.*1997 (with D.Y. Choi). Seoul, Korea: Korean Economic Research Institution, 99 pages.

37. *Measurement of Capital Mobility in APEC Region and its Impact on Korean Economy.* 1996 (with J.H. Nam), Seoul Korea: Korea Institute of Finance, 98 pages.

38. *An Investigation of the Customs of Commercial Transactions in Korea. 1995* (with Hwang, E.G., Kim, J.P., Hyun, S.M.), Seoul, Korea: Korean Economic Research Institution, 68 pages.

Completed Working Papers

1 Depth weighted estimation of panel data model (with Yoonseok Lee), 2019

Works in Progress

1. Co-divergence: Theory and applications, (with Peter C.B. Phillips), 2018

2. Robust Pooled Estimation: Trimmed Depth Weighted Mean Group Estimation, (with Yoonseok Lee), 2018

3. Determinants of Murder: Pitfalls of Previous Studies and New Alternative (with Suyong Song), 2018

Professional Activity and Awards

Maekyung & Korea-America Economic Association Economist Award, 2019
Co-editor, International Economic Journal, 2016-2019 March.
Co-organizer Korean Econometric Summer Camp, 2013-2016.
Secretary General of Korea-America Economic Association, 2011-2013.
Program Committee:
2013 SETA conference,
2011 Asian Econometric Society Meeting,
2001 Australasian Econometric Society Meeting.
Research Excellence Award, 2008, University of Auckland
Associate Editor, New Zealand Economic Paper, 2004--2006
Co-organizer New Zealand Econometric Study Group Meeting, 2001--2009
Adjudication Panel for the 2003 A R Bergstrom Prize in Econometrics

Invited Conference Lectures

2004: Australasian Labor Econometrics Workshop

Conference Presentations

2018 Asian Econometric Society Meeting

International Panel Data Conference
2017 Western Economic Association Conference,
KAEA-KEA Joint International Conference,
Midwest Econometric Group meeting
2016 KAEA-KDI Joint Conference.
2015 Special Conference in honor of Joon Y. Park
Eastern Economic Association Conference
2014 International Conference of Korean Economic Association
2013 Midwest Econometric Group meetings,
Symposium on Econometric Theory and Application,
Special Conference in Advanced in Econometrics in honor of P.C.B. Phillips.
2012 Midwest Macroeconomic meeting,
Midwest Econometric Group meeting,
Economic Science Association meeting,
International Conference of Korean Economic Association
2011 Texas Econometric Camp
2010 Korean Economic Association
Midwest Econometric Group meeting,
2009 Midwest Econometric Group meeting
2008 Conference in Honor of P.C.B. Phillips, Singapore
Far Eastern Meeting of the Econometric Society
2007 New Zealand Econometric Study Group meeting
2006 Southern Workshop in Macroeconomics
2005 New Zealand Econometric Study Group meeting
NBER Summer Workshop
Midwest Econometric Group meeting
2004 New Zealand Econometric Study Group meeting
2003 North American Econometric Society meeting
New Zealand Econometric Study Group meeting
NBER Summer Workshop
2002 Econometric Society Australasian meeting
New Zealand Econometric Study Group meeting
Midwest Econometric Group meeting
2001 New Zealand Econometric Study Group meeting
Econometric Society Australasian meeting
Midwest Econometric Group meeting
2000 Midwest Econometric Group meeting
1999 Midwest Macroeconomics meeting
1998 Midwest Econometric Group meeting

Invited Presentations

University of Auckland, The Bank of Korea, University of British Columbia, Clemson University, University of Delaware, Hitotsubashi University, Hong Kong University of Science and Technology, Indiana University, Korea University, Korean Institute of Finance, Federal Reserve Bank at Dallas, University of Michigan, University of New

South Wales, University of Notre Dame, North Texas University, Ohio State University, Otago University, Rice University, Seoul National University, Sogang University, University of Southern California, Syracuse University, University of California at Riverside, Vanderbilt University, University of Sydney, Victoria University of Wellington, University of West Virginia, University of Wisconsin, Wollongong University.

Referee Activity

American Economic Review, American Journal of Agricultural Economics, American Journal of Political Science, Applied Financial Economics, Econometrica, Economic Bulletin, Econometrics Journal, Economic Modeling, Econometric Review, Econometric Theory, Economics Letters, Empirical Economics, Games and Economic Behavior, International Economic Journal, International Journal of Forecasting, International Economic Review, Journal of Applied Econometrics, Journal of Applied Statistics, Journal of Business, Economics and Statistics, Journal of Economic Integration, Journal of Econometrics, Journal of Economic Growth, Japanese Economic Review, Journal of International Money and Finance, Journal of Money, Credit and Banking, Journal of International Economics, Macroeconomic Dynamics, Management Science, National Science Foundation, New Zealand Economic Paper, Oxford Bulletin of Economics and Statistics, Review of International Economics, Southern Economic Journal, Studies in Nonlinear Dynamics and Econometrics.

Research Grants / Funding:

New Staff Research Grant: NZ$10,000, 2001.
Staff Research Grant: NZ $13,000. 2002.
Staff Research Grant: NZ $2,515. 2003
RA Research Grant: NZ $2,500. 2004
RA Research Grant: NZ $2,500. 2005
Business School Research Grant: NZ $2,500. 2005
Staff Research Grant: NZ $3,400. 2006
Staff Research Grant: NZ $10,478, 2007
Marsden Grant NZ $170,000 (with Chirok Han and P.C.B. Phillips), 2008
Adaptive Adversaries and Their Consequences, Todd Sandler (PI), Donggyu Sul (Co-PI) $330,000, 2010
Center for Risk and Economic Analysis of Terrorism Events, Todd Sandler (PI), Donggyu Sul (Co-PI), $65,000, 2011

Courses Taught:

Principles of Economics (Micro, Macro), Intermediate Macroeconomics, Undergraduate Econometrics, Graduate Econometrics I, Graduate Econometrics II, Graduate Econometrics I

III, Undergraduate Applied Econometrics, Undergraduate Asian Economy, Special Topics in Econometrics and Spatial Analysis, Undergraduate Mathematical Economics, Undergraduate International Trade, Undergraduate International Finance, Graduate International Finance

Graduate Student Supervising: (Initial Placement)

Chair

2006 Ph.D.: Ryan Greenaway-McGrevy (Bureau of Economic Analysis)
2011 Ph.D.: Minh Le (SK Fidelity Capital)
2013 Ph.D.: Ahmed Alzahrani (Saudi Aramco)
2014 Ph.D.: Jianning Kong (Shandong University, Assistant Professor)
2014 Ph.D.: Jason Parker (NCRC at Michigan State University, Researcher)
2014 Ph.D.: Minwook Ha
2018 (in progress): Aoyu Hou, Minyu Han, Jihun Kwak

Committee

2011 Ph.D: Charlinda Santifort (Education First, Research Analyst)
2015 Ph.D: Koren Jo (Hong Kong Polytechnic University, Assistant Professor)
2018 Ph.D: Kwangsoo Kim