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Curriculum Vitae

Kazuhiko Hayakawa

Contact Information

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Personal Information

Sex: Male
Born: January 31, 1979
Place of Birth: Hiroshima, Japan

Employment

April 2017 - present:	Professor, Graduate School of Social Sciences, Hiroshima University
November 2015 - November 2018:	Distinguish Reseacher, Hiroshima University
April 2010 - March 2017:	Associate Professor, Graduate School of Social Sciences, Hiroshima University
September 2010 - August 2012:	Visiting scholar at the University of Cambridge (as a JSPS Postdoctoral Fellow for Research Abroad)
April 2008 - March 2010:	Assistant Professor, Graduate School of Social Sciences, Hiroshima University
April 2005 - March 2008:	Research Fellow for the Japan Society for the Promotion of Science
April 2005 - March 2008:	Research Fellow for COE project at Hitotsubashi University
April 2001 - March 2003:	Daiwabo Information System Co.,Ltd

Education

2007	Ph.D (Economics)	Hitotsubashi University, Tokyo, Japan
2005	M.A. (Economics)	Hitotsubashi University, Tokyo, Japan
2001	B.A. (Economics)	Keio University, Tokyo, Japan

Research Interest

Econometrics (panel data and time series analysis)

Award

RBNZ-NZESG Research Award at the Special NZESG 18th meeting in honor of Professor Peter. C. B. Phillips, 2008/3

Published Papers

1. Hayakawa, K. (2017) "A Unit Root Test for Micro Panels with Serially Correlated Errors" _Communications in Statistics - Theory and Methods_, Vol. 46, Issue 8, pp. 3891-3900.
2. Hayakawa, K. (2016) "On the Effect of Weighting Matrix in GMM Specification Test", _Journal of Statistical Planning and Inference_, Vol. 178, pp. 84-98.
3. Hayakawa, K. (2016) "Improved GMM Estimation of Panel VAR Models," _Computational Statistics and Data Analysis_, Vol. 100, pp. 240-264.
4. Hayakawa, K. and S. Nagata (2016) "On the Behavior of the GMM estimator in Persistent Dynamic Panel Data Models with Unrestricted Initial Conditions," _Computational Statistics and Data Analysis_, Vol. 100, pp. 265-303.
5. Hayakawa, K. (2016) "Identification Problem of GMM estimators for Short Panel Data Models with Interactive Fixed Effects" _Economics Letters_, Vol. 139, pp.22-26.
6. Hayakawa, K. (2015) "The Asymptotic Properties of the System GMM Estimator in Dynamic Panel Data Models When Both N and T are Large," _Econometric Theory_, Vol. 31, Issue 3, pp. 647-667.
7. Hayakawa, K. and M. H. Pesaran (2015) "Robust Standard Errors in Transformed Likelihood Estimation of Dynamic Panel Data Models with Cross-Sectional Heteroskedasticity", _Journal of Econometrics_, Vol. 188, Issue 1, pp. 111-134.
8. Hayakawa, K. (2012) "GMM Estimation of a Short Dynamic Panel Data Model with Interactive Fixed Effects," _Journal of the Japan Statistical Society_, Vol. 42, No. 2, pp. 109-123.
9. Hayakawa, K. (2010) "The Effects of Dynamic Feedbacks on LS and MM Estimator Accuracy in Panel Data Models: Some Additional Results," _Journal of Econometrics_, Vol. 159, Issue 1, pp. 202-208.
10. Hayakawa, K. (2009) "On the Effect of Mean-Nonstationarity in Dynamic Panel Data Models," _Journal of Econometrics_, Vol. 153, Issue 2, pp. 133-135.
11. Hayakawa, K. (2009) "A Simple Efficient Instrumental Variable Estimator in Panel AR(p) Models When Both N and T are Large," _Econometric Theory_, Vol. 25, Issue 3, pp. 873-890.
12. Kurozumi, E. and K. Hayakawa (2009) "The Asymptotic Properties of Efficient Estimators for Cointegrating Regression Models with Serially Dependent Errors," _Journal of Econometrics_, Vol. 149, Issue 2, pp. 118-135.
13. Hayakawa, K. (2009) "First-Difference or Forward Orthogonal Deviation: Which Transformation to Use in Dynamic Panel Data Models?: A Simulation Study," _Economics Bulletin_, Vol. 29, no.3, pp. 2014-2023.
14. Hayakawa, K. and M. Nogimori (2010) "New Transformation Methods in Dynamic Panel Data Models with Heterogeneous Time Trends," _Applied Economics Letters_, Vol. 17, Issue 4, pp. 375-379
15. Hayakawa, K. and E. Kurozumi (2008) "The Role of "Leads" in the Dynamic OLS Estimation of Cointegrating Regression Models," _Mathematics and Computers in Simulation_, Vol. 79, pp. 555-560.
16. Hayakawa, K. (2007) "Consistent OLS Estimation of AR(1) Dynamic Panel Data Models with Short Time Series," _Applied Economics Letters_, Vol. 14, Issue 15, pp. 1141-1145.

17. Hayakawa, K. (2007) "Small Sample Bias Properties of the System GMM Estimator in Dynamic Panel Data Models," *Economics Letters*, Vol. 95, Issue 1, pp. 32-38.
18. Hayakawa, K. (2006) "A Note on the Bias in First Differenced AR(1) Model," *Economics Bulletin*, Vol. 3, No.27 pp. 1-10.

Working Papers

1. Hayakawa, K., M. H. Pesaran, and V. Smith (2016) "Transformed Maximum Likelihood Estimation of Short Dynamic Panel Data Models with Interactive Effects"
2. Hayakawa, K. (2017) "Alternative Over-Identifying Restriction Tests in GMM Estimation of Panel Data Models"
3. Hayakawa, K., and M. Qi and J. Breitung (2017) "Double Filter Instrumental Variable Estimation of Panel Data Models with Weakly Exogenous Variables"
4. Hayakawa, K. and M. Qi (2017) "Further Results on the Weak Instruments Problem of the System GMM Estimator in Dynamic Panel Data Models"
5. Hayakawa, K. (2017) "Corrected Goodness of Fit Test in Covariance Structure Models"
6. Hayakawa, K. (2017) "Weak Instruments Problem in Factor Models"
7. Hayakawa, K. and J. Hou (2017) "Estimation of Dynamic Panel Data models with Time-Varying Parameter"
8. Hayakawa, K. and B. Ge (2017) "GMM and ML Estimation of Dynamic Panel Data models with Heterogeneous Time Trends"
9. Hayakawa, K. and Q. Sun (2017) "Instrumental Variable Estimation of High-dimensional Factor Models"

Editorial service

Associate Editor, *Singapore Economic Review* (2014-)

Referee service

Annals of Institute of Statistical Mathematics, *Computational Statistics and Data Analysis*, *Communications in Statistics - Simulation and Computation*, *Econometric Reviews*, *Econometric Theory*, *Economics Bulletin*, *Economics Letters*, *Empirical Economics*, *Japanese Economic Review* , *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of Econometrics*, *Journal of the Japan Statistical Society*, *Journal of Time Series Econometrics*, *Oxford Bulletin of Economics and Statistics*, *Review of Economics and Statistics*, *Southern Economic Journal*, *Statistics and Probability Letters*,