Hyun Hak Kim

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EDUCATION

Ph.D. in Economics, May 2012

Rutgers University, New Brunswick, New Jersey, United States

Dissertation Title: "Econometric Essays on Nonlinear Methods and Diffusion Index Forecasting"

Dissertation Committee: Norman R. Swanson (Chair), Roger Klein, John Landon-Lane

M.A. in Economics, May 2008

Rutgers University, New Brunswick, New Jersey, United States

B.B.A. and B.A. in Statistics, Feb. 2004

Yonsei University, Seoul, Korea

CURRENT POSITION

Kookmin University, Sep.2019 – Present

Associate Professor, Department of Economics

PREVIOUS POSITIONS

Kookmin University, Mar.2016 – Aug.2019

Assistant Professor, Department of Economics

Bank of Korea, Institute of Economic Research, Sep. 2012 – Feb. 2016

Economist, Macroeconomics Team

DfA Capital Management, Inc. Jun. – Aug. 2009

Intern, Forecasting and Empirical Model Building

LG-Philips LCD, Oct. 2004 – Mar. 2005

Assistant Manager, Sales Planning Team

Daishin Securities Inc., Dec. 2003 – Sep. 2004

Stock Trader, First Business Team

EDITORIAL ACTIVITY	Editorial Board, Quantitative Finance and Economics
RESEARCH INTERESTS	Primary: Empirical Macro, Forecasting, Time-series Analysis Secondary: Macroeconometrics, Data Mining
HONORS	Best Performance Award, Bank of Korea, 2014 Teaching Assistant Scholarship, Rutgers University, 2008 - 2011 Academic Achievement Award, Yonsei University, 1999

PUBLICATIONS

[1] Forecasting Financial and Macroeconomic Variables Using Data Reduction Methods: New Empirical Evidence (with N.R. Swanson), 2014, *Journal of Econometrics,* 178(2):352-367.

[2] Combining Point and Density Forecast of Inflation in Korea, 2015, *Economic Analysis*, 21(3):103-136. (in Korean)

[3] Spatio-Temporal Analysis of House Price Diffusion of Korea, 2017, *Journal of Korean Economic Analysis*, 23(2):89-124 (in Korean)

[4] Mining Big Data Using Parsimonious Factor Machine Learning, Variable Selection, and Shrinkage Methods (with N.R. Swanson), 2018, *International Journal of Forecasting,* 34(2):339-354

[5] Looking into the Black Box of the Korean Economy: The Sparse Factor Model Forecasting Approach, 2018, *Journal of Asia-Pacific Economy*, 23(1):1-16.

[6] Methods for Pastcasting, Nowcasting and Forecasting Using Factor-MIDAS: With an Application to Korean GDP (with N.R. Swanson), 2018, *Journal of Forecasting*, 37(3):281-302

[7] Default Probability by Employment Status in Korea, (with Hosung Jung), 2020, *Asian Economic Papers,* 19(3):62-84

[8] Forecasting Financial Stress Indices in Korea: A Factor Model Approach, (with Hyeongwoo Kim and Wen Shi), 2020, *Empirical Economics,* 59:2859-2898

[9] Effect of Monetary Policy on Disaggregate Price Dynamics (with

Jaihyun Nahm), 2020, *Journal of Industrial Economics and Business*, 33(5):1141-1447.

[10] Employment Effect by Aviation MRO Promotion Policy (with Selim Choi), 2021, *Journal of the Aviation Management Society of Korea*, 19(2):83-110.

[11] Dynamic Analysis of Consumer Credit Panel using Self Organizing Map, *Empirical Economics*, forthcoming

[12] Analysis on Employment Effect of MCN(Multi-Channel Network) Industry, *Journal of Arts & Cultural Management*, forthcoming

<Non peer-reviewed>

[i] Analysis of Effects of Cross-regional Diffusion of Apartment Sales Prices Using Actual Apartment Sales Price Index, (with Hosung Chung and Hosung Lim),2016, *Bank ok Korea Monthly Bulletin.*

WORKING PAPERS

Hysteresis in Korean Labor Market with Alternative Measures of Labor Utilization, (with K.M. Hwang), Bank of Korea working paper, 2014-29.

Systemic Risk of the Consumer Credit Network across Financial Institutions (with Hosung Jung), Bank of Korea working paper, 2019-23, submitted

Mixing Mixed Frequency and Diffusion Indices in Good Times and in Bad: An Assessment Based on Historical Data Around the Great Recession of 2008 (with Kihwan Kim and Norman Swanson), submitted

Aggregate and Disaggregate Trend Inflation: Case of Korea (with Choon-sung Lim), submitted

Macroeconomic Nowcasting using Naver Probabilities, (with Gary Koop and Sungyup Chung)

Comparison of Equity Premium and its Determinants in Korea, KIF Working Paper 21-18

WORK IN PROGRESS

Endogenous Phillips Curve (with Nakyeong Lee), in progress

Heterogeneity in Marginal Propensity to Consume, (with Youngjae Lee), in progress

Nowcasting Korea Investment Using Large Datasets, in progress_
Diffusion Analysis of House Price in Korea, (with Miao He), in progress

PROFESSIONAL REPORT

Nowcasting ICT Industry of Korea using Nonformal Information (in Korean), 2019, 2020, Korea Information Society Development Institute
Forecasting Aviation MRO Industry in Korea (in Korean), 2020, Polytech University
MCN(Multi-Channel Network) and Employment Effect in Media Industry (in Korean), 2020, Korea Labor Institute
Foreign Exchange Policy and Capital Flow Management, BOK Knowledge Partnership Program for Sri Lanka, 2021, Bank of Korea

RESEARCH GRANT
(more than KRW 5M)

Bank of Korea, Research Department, 2017 (KRW 10M)
Bank of Korea, Financial Stability Department, 2017 (KRW 10M)
National Research Fund of Korea, 2018-2020 (KRW 46M)
Bank of Korea, Research Department, 2018 (KRW 10M)
Bank of Korea, Economic Research Institute, 2018 (KRW 10M)
Korea Labor Institute, 2019 (KRW 5.5M)
National Assembly Budget Office, 2019 (KRW 20M)
Kookmin University Convergence Research, 2020 (KRW 10M)
Korea Institute of Finance, 2021 (KRW 10M)
Korea Labor Institute, 2021 (KRW 8.5M)
Bank of Korea, Research Department, 2021 (KRW 20M)

TEACHING EXPERIENCE

Department of Economics, Kookmin University, 2016 –
Macroeconomics (intermediate), lectured in English
Money and Banking, lectured in English
Topics in Econometrics, lectured in English
Department of Economics, Rutgers University, 2008 – 2011
Undergraduate courses:
Introduction to Macroeconomics (Summer 2008),
Money and Banking (Summer 2009),

Intermediate Macroeconomics (Fall 2009, Spring 2009, Spring 2011), Econometrics (Summer 2010, Fall 2010, Summer 2011, Fall 2011)

PRESENTATIONS Rutgers University, Nottingham University Business School China, Bank of Korea, Korean International Economic Association, Eastern Economic Association Conference, International Symposium of Forecasting, Peking University, Kyunghee University, European Central Bank, Lindau Nobel Laureate Meeting (as a panelist), Yonsei University, Western Economic Association International Conference, Korea Economic Association Conference, Kookmin University, Sogang University, Korea National Open University, Korean Econometric Society Conference, National Assembly Budget Office, Korea Money and Finance Association Conference, Hankook University of Foreign Studies

SOFTWARE SKILLS MATLAB, R, SAS, Python, EViews

REFEREE SERVICES *Empirical Economics, International Journal of Forecasting, Journal of Development Economics, Journal of Economic Theory and Econometrics, Economic Analysis, Journal of Money and Central Banking, Journal of Forecasting, Journal of Time Series Analysis, Korean Economic Review, Journal of Economic Integration*