Hyun Hak Kim

CONTACT INFORMATION

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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, Mar.2016 – Present
Assistant Professor, Department of Economics

PREVIOUS POSITIONS

Daishin Securities Inc., Dec. 2003 – Sep. 2004
Stock Trader, First Business Team

LG-Philips LCD, Oct. 2004 – Mar. 2005
Assistant Manager, Sales Planning Team

DfA Capital Management, Inc. Jun. – Aug. 2009
Intern, Forecasting and Empirical Model Building

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

EDITORIAL ACTIVITY

Editorial Board, Quantitative Finance and Economics

RESEARCH INTERESTS

Primary: Econometrics, Forecasting, Data Mining
Secondary: Macroeconomics, Financial Economics

HONORS

Teaching Assistant Scholarship, Rutgers University, 2008 - 2011

Academic Achievement Award, Yonsei University, 1999

PULBLICATIONS

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

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

Mining Big Data Using Parsimonious Factor Machine Learning, Variable Selection, and Shrinkage Methods (with N.R. Swanson), 2017, forthcoming, *International Journal of Forecasting*

Spatio-Temporal Analysis of House Price Diffusion of Korea, 2017, forthcoming, *Journal of Korean Economic Analysis*

Looking into the Black Box of the Korean Economy: The Sparse Factor Model Forecasting Approach, 2017, forthcoming, *Journal of Asia-Pacific Economy*

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, April 2016.* [Non peer-reviewed]

WORKING PAPERS

Diffusion Indices Using Nonlinear Factor Methods: An Application to Forecasting Macroeconomic Variables in Korea, Bank of Korea working paper 2013-26, submitted

Methods for Pastcasting, Nowcasting and Forecasting Using Factor-MIDAS: With an Application to Korean GDP (with N.R. Swanson), working paper, submitted

Forecasting Financial Stress Indices in Korea: A Factor Model Approach, (with Hyeongwoo Kim and Wen Shi), Bank of Korea working paper 2015-30, submitted

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

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

Looking into Black Box Using Sparse Factor Proxies, Kookmin University, working paper

RESEARCH EXPERIENCE

Research Assistant, *Department of Economics, Rutgers University*, 2007-2008,

- Carried out research and programming used in *Bretton Woods and the Great Inflation*, Michael D. Bordo and Barry Eichengreen, NBER Working Paper No. 14532, 2008

Research Assistant, *Department of Economics, Rutgers University*, 2009-2012,

- Carried out research and MATLAB programming for *Testing for Structural Instability and Forecast Failure in Diffusion Indices Models*, Valentina Corradi and Norman R. Swanson, *Journal of Econometrics*, 182(1):100-118.

- Worked on problems for *Introduction to Business and Economic Statistics*, Frank X. Diebold and Norman R. Swanson, in preparation.

TEACHING EXPERIENCE

Instructor, *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)

Teaching Assistant, *Department of Economics*, *Rutgers University*, 2008 – 2010

- *Undergraduate Level*: Intro to Macro, Intermediate Macro, Operations Research
- *Graduate Level*: Recitation in Time Series Econometrics and Macroeconomics

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

SOFTWARE SKILLS

MATLAB, GAUSS, R, SAS, EVIEWS

REFEREE SERVICES

Empirical Economics, International Journal of Forecasting, Journal of Development Economics, Journal of Economic Theory and Econometrics, Economic Analysis