

Donghwan Kim

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Education

Ph.D. in Economics, State University of New York at Stony Brook, Expected in May 2009
M.A. in Economics, State University of New York at Stony Brook, 2006
B.S. in Business, Kyung Hee University, Seoul, Korea, 1998

Field of Concentration

Applied Econometrics, Spatial Analysis, Bayesian Analysis
Demographic Economics, Urban Issues in Developing Countries

Dissertation

Title: City and Urban Population Forecasting in Developing Countries
Advisor: Mark R. Montgomery

Working Paper and Work in Progress

“An Econometric Approach to Forecasting City Population Growth in Developing Countries” with Mark R. Montgomery (Job Market Paper)
“Know Your Boundaries: Reducing spatial uncertainty in urban population estimates” with Deborah Balk et al., Submitted to the IUSSP International Population Conference in Marrakech, Morocco, September 2009.
“Mapping the Risks of Climate Change in Developing Countries”, with Deborah Balk et al., Submitted to the World Bank’s Urban Research Symposium, Marseille, France, June 2009.
”Forecasting Developing-Country City Population Growth with Geography and Spatial Effect Considered”, Work in progress
“Bayesian Prediction of Unequally Spaced Panel Data Model with Serially Correlated Errors”, Work in progress
“Spatial Analysis of Urban Poverty and Schooling in Some Africa Cities” with Mark R. Montgomery, Work in progress

Research Experience

Research Assistant for Professor Deborah Balk, CUNY-Baruch College (February 2008 - Present)
Project: *Revitalizing Urban Population Projections: New Data, New Methods* funded by NIH, a collaboration between the CUNY, the Population Council, the United Nations Population Division, and the Center for International Earth Science Information Network (CIESIN) at Columbia University

Research Assistant for Professor Mark R. Montgomery (September 2007 - January 2008)

Project: *Urban Poverty in Developing Countries* funded by UN-HABITAT

(See the news at department website: <http://www.sunysb.edu/economics/info/news/kim-un/>)

Research and Administrative Assistant (Spring 1998 - Spring 2002) at Economic Research Center and Office of Academic Affairs, Kyung Hee University, Seoul, Korea

Technical Skills

Programming Languages: Fortran, Matlab, Python

Statistics Packages: STATA, WinBUGS

GIS Software: ArcGIS

Document Preparation: L^AT_EX

(See my website for some technical notes and program codes)

Teaching Experience

Instructor (Full Responsibilities):

Intermediate Microeconomics, Fall 2006 and Spring 2007

Mathematical Statistics, Summer 2005

Teaching Assistant:

Econometrics, Spring 2005 and Spring 2006

Mathematical Statistics, Summer 2004, Fall 2004 and Fall 2005

Introduction to Economics, Fall 2003 and Spring 2004

Imperfect Competition, Spring 2003

Health Economics, Fall 2002

Invited Lecturer:

“Programming of Spatial Error Model with Fortran” in the Applied Econometrics course (Second-Year PhD Core Course), Stony Brook University, October 2007

Conferences and Workshops

“Forecasting City Growth in Poor Countries: Comparing Classical and Bayesian Methods”, (with Mark R. Montgomery) in CIDR Demographic Seminar, CUNY Graduate Center, New York City, December 2007.

“Forecasting City Population Growth in Developing Countries: Illustrative Examples”, (with Mark R. Montgomery, Deborah Balk and Thomas Buettner) in PRIPODE Workshop on Urban Population, Development and Environment Dynamics, Nairobi, Kenya, June 2007.

“Classical and Bayesian Approaches to Forecasting City Populations”, (with Mark R. Montgomery) in the IUSSP Scientific Panel on Urbanization Workshop, “Rethinking the Estimation and Projection of Urban and City Populations”, New York City, January 2006.

Datasets Analyzed

UN Population Division's World Urbanization Prospects Database

CIESIN's Gridded Population of the World (GPW)

CIESIN's Global Rural-Urban Mapping Project (GRUMP)*

UN-HABITAT's Urban Inequities Surveys (UIS)

Demographic Health Surveys (DHS)

World Fertility Surveys (WFS)

(*) Participating in updating the datasets

Awards and Grants

Research Assistantship, NIH project, February 2008 - Present

Research Assistantship, UN-HABITAT project, September 2007 - January 2008

Full Scholarship, Department of Economics, SUNY at Stony Brook, Fall 2002 - Present

Graduate Assistantship, Department of Economics, SUNY at Stony Brook, Fall 2002 - Spring 2007

Personal Information

Citizenship: Republic of Korea (F-1 visa)

References

Mark R. Montgomery

Professor

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Senior Associate

Population Council

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Warren Sanderson

Professor and Co-Chair

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Deborah L. Balk

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Associate Director

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