Sukjin Han

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Professional Appointments

2020–present	Professor of Economics, University of Bristol
2012–2020	Assistant Professor, Department of Economics, University of Texas at Austin
2019–2020	Visiting Faculty, Department of Economics, Rice University
Spring 2018	Commander, Hawaii Space Exploration Analog and Simulation, NASA and University of Hawaii
Spring 2016	Visiting Faculty, Cowles Foundation, Yale University

Education

2012	Ph.D., Economics, Yale University
2009	M.A. / M.Phil., Economics, Yale University
2005	B.A. (*with highest honors*), Economics, Seoul National University

Research Interests

Econometric Theory, Applied Econometrics

Treatment Effects and Program Evaluation, Treatment Rules, Nonstandard Inference, Machine Learning, Visual Data

Honors, Awards and Fellowships

2012–2019	Fellow of the Richard J. Gonzalez Regents Chair in Economic Progress Based on Freedom and Private Enterprise
2018	Summer Research Assignment Award, UT Austin
2017	Department Summer RA Funding, UT Austin
2011–2012	Carl Arvid Anderson Prize Fellowship, Cowles Foundation
2012	Dissertation Fellowship, Yale University
2008	National Science Foundation Graduate Research Fellowship
2006–2010	Cowles Foundation Fellowship, Yale University

Published and Forthcoming Papers

– "Multiple Treatments with Strategic Interaction" with Jorge Balat
Journal of Econometrics, forthcoming
– "Comment: Idividualized Treatment Rules Under Endogeneity"
Journal of American Statistical Association (2021), Volume 116, pp. 192-195
– "Identification in Nonparametric Models for Dynamic Treatment Effects"
Journal of Econometrics (2021), Volume 225, pp. 132-147
– "Nonparametric Estimation of Triangular Simultaneous Equations Models under Weak Identification"
Quantitative Economics (2020), Volume 11, pp. 161-202

– "Estimation and Inference with a (Nearly) Singular Jacobian" with Adam McCloskey

Quantitative Economics (2019), Volume 10, pp. 1019-1068

– "Estimation in a Generalization of Bivariate Probit Models with Endogenous Regressors" with Sungwon Lee

Journal of Applied Econometrics (2019), Volume 34, pp. 994-1015

– "Censored Quantile Instrumental Variables Estimation with Stata" with Victor Chernozhukov, Ivan Fernandez-Val, and Amanda Kowalski

Stata Journal (2019), Volume 19, pp. 1-14

– "Identification in a Generalization of Bivariate Probit Models with Endogenous Regressors" with Edward Vytlacil

Journal of Econometrics (2017), Volume 199, pp. 63-73

– "How Would Information Disclosure Influence Organizations' Outbound Spam Volume? Evidence from a Field Experiment" with She He, Gene Moo Lee, and Andy Whinston

Journal of Cybersecurity (2016), Volume 2, pp. 99-118

– "Invalidity of the Bootstrap and the *m* out of *n* Bootstrap for Confidence Interval Endpoints Defined by Moment Inequalities," with Donald Andrews

Econometrics Journal (2009), Volume 12, pp. S172–S199

Working Papers

– "Optimal Dynamic Treatment Regimes and Partial Welfare Ordering" (*Revise & Resubmit, Journal of American Statistical Association*)

– "Sharp Bounds on Treatment Effects for Policy Evaluation" with Shenshen Yang (*Submitted*)

– "Shapes as Product Differentiation: Neural Network Embedding in the Analysis of Markets for Fonts" with Eric Schulman, Kristen Grauman and Santhosh Ramakrishnan (*Submitted*)

– "Testing for Information Structure under Bayes Correlated Equilibrium" with Hiro Kaido, Lorenzo Magnolfi and Camilla Roncoroni

Work in Progress

– "Inference on Welfare for Selected Treatment Rules That Are Set-Identified" with Adam McCloskey

– "Treatment Choice under Endogeneity via Copula" with Sungwon Lee

– "Endogenous Product Entry in the Space of Visual Characteristics" with George Lee

– "Effects of New Good Entry in Complementarity Markets: The Case of Font Market" with Matt Shum

– "Dynamic Roy Models" with Xiaohong Chen and Edward Vytlacil

Presentations

Invited Seminars

2022	Harvard U (expected)
2021	London School of Economics (expected), KAIST (expected), Sogang U
2020	U College London, U of Toronto, Simon Fraser U, Rutgers U, U of Illinois Urbana-Champaign, Rice U, U of Florida, U of Bristol, Queen Mary U London
2019	Rice U, Boston College, U of Bristol, Singapore Management U, National U of Singapore, U of Nebraska

2018	U of Chicago, Penn State U, U of Southern California, Indiana U, U of Rochester, National U of Singapore, Seoul National U
2017	Duke U, U North Carolina, Boston U, Xiamen U, Seoul National U
2016	Yale U, U of British Columbia, Brown U
2014	Texas A&M
2013	U of British Columbia, Ohio State U, Korea U, Sogang U
2012	U of Chicago Booth, SUNY Albany, U of Notre Dame, UT Austin, Sogang U, Sung Kyun Kwan U, Yonsei U
2008	MIT, Harvard U

Conferences

Jul 2021	International Panel Data Conference (vitual)
Jun 2021	Cowles Summer Conferences, Yale University (virtual), NASM of the Econometrics Society (vitual), Asian Meeting of the Econometric Society (vitual), EcoStat Conference (vitual)
Apr 2021	Royal Economic Society Conference (virtual)
Jan 2021	NAWM of the Econometric Society (virtual)
Dec 2020	European Winter Meeting of the Econometric Society (virtual)
Nov 2020	Southern Economic Association Annual Meeting (virtual)
Aug 2020	World Congress of the Econometric Society (virtual), KAEA Virtual Seminar Series, KER International Conference (virtual)
Jan 2020	NAWM of the Econometric Society, San Diego, CA
Nov 2019	Southern Economic Association Annual Meeting, Fort Lauderdale, FL
Oct 2019	Midwest Econometrics Group, Ohio State University
Aug 2019	KER International Conference, Seoul, Korea
Jul 2019	Bristol Econometrics Study Group, Bristol, UK
Jun 2019	CEMMAP & WISE conference, Xiamen, China; Asian Meeting of the Econometric Society, Xiamen, China
Mar 2019	Workshop on "Personalized Treatment: Learning and Decision," London, UK
Feb 2019	Texas Econometrics Camp, Dallas
Jun 2018	Asian Meeting of the Econometric Society, Seoul, Korea; International Panel Data Conference, Seoul, Korea; China Meeting of the Econometric Society, Shanghai, China
Jan 2018	NAWM of the Econometrics Society, Philadelphia
Oct 2017	Midwest Econometrics Group, Texas A&M
Jun 2017	IAAE Annual Conference, Sapporo, Japan; NASM of the Econometrics Society, St. Louis
Apr 2017	Conference on Econometrics and Models of Strategic Interactions, CEMMAP UCL & Vanderbilt
Sep 2016	Interactions Conference, Northwestern University
Jun 2016	NASM of the Econometrics Society, Philadelphia; IAAE Annual Conference, University of Milan-Bicocca, Milan, Italy
Feb 2016	Texas Econometrics Camp, Houston
Jan 2016	NAWM of the Econometrics Society, San Francisco

Aug 2015	World Congress, Montreal, Canada; Frontiers of Theoretical Econometrics, Konstanz, Germany
Feb 2015	Texas Econometrics Camp, Houston
Sep 2014	Midwest Econometrics Group, University of Iowa
Aug 2014	KAEA Econometrics Summer Camp
Feb 2014	Texas Econometrics Camp, Houston
Jun 2013	Cowles Summer Conferences, Yale University; NASM of the Econometrics Society, USC
Feb 2013	Texas Econometrics Camp, Austin
Oct 2008	CIREQ Conference on Inference with Incomplete Models, Montréal

Referee Service

Econometrica, Journal of the American Statistical Association, Quantitative Economics, Journal of Econometrics, Review of Economics and Statistics, Journal of Business and Economic Statistics, Journal of Applied Econometrics, Econometric Theory, Econometric Reviews, American Journal of Preventive Medicine, Electronic Journal of Statistics, Journal of Econometric Methods, Journal of Human Resources, Australian and New Zealand Journal of Statistics, Econometrics, Hacettepe Journal of Mathematics and Statistics, National Science Foundation

PhD Advising

Stuart Lane (current student, University of Bristol)

Eric Schulman (current student, UT Austin)

Shenshen Yang (2021, Tianjin University)

Xinchen Gu (2018, Boston Consulting Group)

Sungwon Lee (2018, National University of Singapore)

Peter Toth (2018, University of Nevada)

Teaching

University of Bristol

Spring 2021	(Graduate) Econometrics II
Spring 2021	(Graduate) Data Science for Economics: Introduction to Machine Learning

Rice University

Spring 2020	(Undergraduate) Applied Econometrics
Fall 2019	(Graduate) Econometrics I

University of Texas at Austin

Highest-Rated Instructor in Department of Economics in 2019

Spring 2013–19	(Undergraduate) Introduction to Econometrics
Fall 2018	(Undergraduate) Advanced Econometrics: Causal Inference and Machine Learning
Fall 2014–17	(Graduate) Advanced Econometric Theory II
Fall 2013	(Graduate) Topics in Econometrics

Other Creative Work

"Font Market Analysis from an Economic Perspective" Conversation in *LetterSeed* (2021), Volume 20

"Where the Sun Sets Blue" Artist publication and sculptures based on the experience in the simulated Mar mission, with visual artist Felicitas Rohden (2020)

"Cubic Interaction" 3D object, which is itself a puzzle, that visually represents economic agents' strategic interaction, with designer Jiwon Park (2021)

"Altered Angles—Mars Mission" Art installation based on my experience with the simulated Mar mission, with visual artist Felicitas Rohden, Exhibited at *Kunst & Denker Contemporary Art Gallery*, Düsseldorf, Germany (2018)

"Crossing Dimensions" Developing a series of architectural environments that invoke experience of shifting dimensions, with composer Seoyoon Kim (2017)

Other Activities

2007	Summer Intern, Office of Economic Analysis, Securities and Exchange Commission
2005–2006	Researcher, Korea Fixed Income Research Institute
2000–2002	Administrative Specialist, Korean Army

Skills

Python, Matlab, Stata (programming), Gauss, LaTeX (with TikZ), Adobe Illustrator/InDesign, Rhinoceros