

# Sanghak Lee

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Department of Marketing  
W. P. Carey School of Business  
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## Academic Employment

Arizona State University, W. P. Carey School of Business  
*Assistant Professor of Marketing*  
July 2017 - Present

The University of Iowa, Tippie College of Business  
*Assistant Professor of Marketing*  
August 2012 - June 2017

## Education

Ph.D., 2012, The Ohio State University, Columbus, Ohio  
*Marketing Major, Statistics Minor*

M.S., 2007, Korea Advanced Institute of Science and Technology (KAIST), Seoul, Korea  
*Management Engineering*

B.S., 2003, Seoul National University, Seoul, Korea  
*Chemical Engineering*

## Publications

Kim, Sunghoon, Sanghak Lee and Robert McCulloch “A Topic-based Bayesian Mixture Regression for Identifying Segment-level Grouped Variables from Unstructured Text Review,” *Journal of Marketing Research*, forthcoming.

Lim, Stanley, Elliot Rabinovich, Sanghak Lee and Sungho Park “Estimating Stockout Costs and Optimal Stockout Rates: A Case on the Management of Ugly Produce Inventory,” *Management Science*, forthcoming.

Lee, Sanghak, Donghyuk Shin, K. Hazel Kwon, Sang-Pil Han and Seok Kee Lee “Disinformation Spillover: Uncovering the Ripple Effect of Bot-Assisted Fake Social Engagement on Public Attention,” *Management Information Systems Quarterly*, forthcoming.

Kim, Dong Soo, Sanghak Lee, Taegyul Hur, Jaehwan Kim and Greg M. Allenby “A Direct Utility Model for Access Costs and Economies of Scope,” *Management Science*, forthcoming.

Bell, J. Jason, Sanghak Lee and Thomas S. Gruca (2024) “Bringing the Doctor to the

Patients: Cardiology Outreach in Rural Areas,” *Journal of Marketing*, 88(1), 31-52.

Lee, Sanghak, Sunghoon Kim and Sungho Park (2022) “A Sequential Choice Model for Multiple Discrete Demand,” *Quantitative Marketing and Economics*, 20, 141-178.

Lee, Sanghak, Suman A. Thomas and Greg M. Allenby (2020) “An Economic Analysis of Demand of the Very Poor,” *International Journal of Research in Marketing*, 37, 544-556.

Lee, Sanghak, Hyowon Kim, Jaehwan Kim and Greg M. Allenby (2018) “A Choice Model for Mixed Decision Variables,” *Journal of Choice Modelling*, 28, 82-96.

Kang, Moon Young, Byungho Park, Sanghak Lee, Jaehwan Kim and Greg M. Allenby (2016) “Economic Analysis of Charitable Donations,” *Journal of Marketing and Consumer Behaviour in Emerging Markets*, 2(4), 40-57.

Howell, John R., Sanghak Lee and Greg M. Allenby (2016) “Price Promotions in Choice Models,” *Marketing Science*, 35(2), 319-334.

Lee, Sanghak and Greg M. Allenby (2014) “Modeling Indivisible Demand,” *Marketing Science*, 33(3), 364-381.

Lee, Sanghak, Jaehwan Kim and Greg M. Allenby (2013) “A Direct Utility Model for Asymmetric Complements,” *Marketing Science*, 32(3), 454-470.

## **Working Papers**

“Locally-Rational Demand Models,” with Taegyul Hur, and Greg M. Allenby. Manuscript available. Preparing for submission to *Management Science*.

“Choosing How to Consider: Attribute Selection for Consideration Set Formation,” with J. Jason Bell, and Gary J. Russell. Manuscript available. Preparing for submission to *Management Science*.

“Estimating Discrete Choice Models Using Choice-Based Panel Data,” with Sungho Park, and Sachin Gupta. Manuscript available. Preparing for submission to *Journal of Marketing Research*.

## **Work in Progress**

“Bayesian Multinomial Probit Regression Trees in Machine Learning,” with Sunghoon Kim, Xuetao Lu, and Robert McCulloch.

“Product Ethical Labels: Quality Uncertainty and Post-Purchase Behaviors,” with Hyunsuk Baek, Rui Yin, and Yimin Wang.

“Energy Use and the Efforts of Countries to Reduce Greenhouse Gas Emissions: A Multiple Discrete Continuous Approach,” with Suyeon Kim, Sungho Park, and Duk Bin Jun.

“Identifying Pivotal Attributes for Choice of Variety,” with Sunghoon Kim.

“Investigating the Impact of a Ratings Distribution on Text Review Consumption”.

## **Presentations**

“Locally-Rational Demand Models”

- Global Marketing Conference, Seoul, Korea, Jul 2023
- INFORMS Marketing Science Conference, Miami, FL, Jun 2023

“A Sequential Choice Model for Multiple Discrete Demand”

- Seoul National University, Marketing Colloquium Series, Seoul, Korea (online), Jan 2021
- Korea University, Bayesian Econometrics Research Group Seminar Series, Seoul, Korea (online), Dec 2020
- INFORMS Marketing Science Conference, Duke University, Durham, NC (online), Jun 2020

“Identifying the Pivotal Attributes for the Choice of Variety”

- INFORMS Marketing Science Conference, Philadelphia, PA, Jun 2018

“A Direct Utility Model for Access Costs and Economies of Scope”

- ASU/UA Marketing Symposium, Tempe, AZ, Mar 2018

“A Choice Model for Mixed Decision Variables”

- Arizona State University, W. P. Carey School of Business, Marketing Dept. Seminar Series, Tempe, AZ, Apr 2016
- University of Iowa, Marketing Dept. Brownbag Seminar Series, Iowa City, IA, Apr 2016

“Price Promotions in Choice Models”

- Arizona State University, W. P. Carey School of Business, Marketing Dept. Seminar Series, Tempe, AZ, Nov 2015
- University of Iowa, Marketing Dept. Brownbag Seminar Series, Iowa City, IA, Apr 2014

“Modeling Indivisible Demand”

- International Symposium on Forecasting, Seoul, Korea, Jun 2013
- University of Iowa, Marketing Dept. Brownbag Seminar Series, Iowa City, IA, Nov 2012
- INFORMS Marketing Science Conference, Boston, MA, Jun 2012
- Ohio State University, Statistics, Psychology and Marketing (SPAM) Seminar Series, Columbus, OH, May 2012
- KAIST Business School, Seminar Series, Seoul, Korea, Dec 2011

“A Direct Utility Model for Asymmetric Complements”

- KAIST Business School, Seminar Series, Seoul, Korea, Dec 2011
- Emory University, Goizueta Business School, Marketing Dept. Seminar Series, Atlanta, GA, Oct 2011
- University of Georgia, Terry College of Business, Marketing Dept. Seminar Series, Athens, GA, Oct 2011
- University of Iowa, Marketing Dept. Seminar Series, Iowa City, IA, Oct 2011
- Georgia Institute of Technology, Scheller College of Business, Marketing Dept. Seminar Series, Atlanta, GA, Sep 2011
- INFORMS Marketing Science Conference, Houston, TX, Jun 2011
- Haring Symposium, Bloomington, Indiana, Apr 2011 (Best Paper Award)
- INFORMS Marketing Science Conference, Cologne, Germany, Jun 2010
- Ohio State University, Statistics, Psychology and Marketing (SPAM) Seminar Series, Columbus, OH, May 2010
- Ohio State University, Fisher College of Business, Columbus, OH, Mar 2010

## Teaching Experience

Instructor, Marketing Research, Arizona State University, Fall 2023 (3 Sections, 6.5/7.0 Avg.Rating), Fall 2022 (3 Sections, 6.3/7.0 Avg.Rating), Fall 2021 (3 Sections, 6.7/7.0 Avg.Rating), Fall 2020 (3 Sections, 6.5/7.0 Avg.Rating), Fall 2019 (3 Sections, 6.2/7.0 Avg.Rating), Fall 2018 (3 Sections, 6.5/7.0 Avg.Rating), Fall 2017 (2 Sections, 6.1/7.0 Avg.Rating)

Instructor, Marketing Analytics, The University of Iowa, Spring 2017 (5.7/6.0 Rating), Fall 2016 (5.5/6.0 Rating)

Instructor, Marketing Research, The University of Iowa, Fall 2016 (2 Sections, 5.5/6.0 Avg.Rating), Fall 2015 (3 Sections, 5.3/6.0 Avg.Rating), Spring 2015 (3 Session, 5.7/6.0 Avg.Rating), Spring 2014 (3 Sections 5.4/6.0 Avg.Rating), Spring 2013 (3 Sections 5.4/6.0 Avg.Rating)

Instructor, Marketing Research, The Ohio State University, Summer 2010 (4.3/5.0 Rating), Summer 2009 (4.3/5.0 Rating), Summer 2008 (3.3/5.0 Rating)

Teaching Assistant, Bayesian Statistics and Marketing (Ph.D.), The Ohio State University, Winter 2011, Winter 2009

Teaching Assistant, Forecasting Theory and Its Applications (PhD/MS), KAIST, Spring 2006

Teaching Assistant, Business Statistics (MBA), KAIST, Fall 2005

## Graduate Student Committees (affiliation upon graduation) / Advising

Co-advisor for Min Kyu Kim, Arizona State University, 2020-2023

Committee Member for Ph.D. Dahae Jeong, Arizona State University, 2023 (Assistant Professor, Thompson Rivers University, Canada)

Committee Member for Ph.D. Yuan Yuan, The University of Cincinnati, 2021 (Global Transaction Banking Dept., Ping An Bank, Shenzhen, China)

Committee Member for Ph.D. J. Jason Bell, The University of Iowa, 2018 (Assistant Professor, Saïd Business School, University of Oxford, UK)

Committee Member for Ph.D. I-Hsuan Chiu, The University of Iowa, 2017 (Assistant Professor, University of Wisconsin-Milwaukee, USA)

Committee Member for Ph.D. David M. Harman, The University of Iowa, 2016 (Assistant Professor, University of St. Thomas, USA)

Committee Member for Ph.D. Chanchal Bahadur Tamrakar, The University of Iowa, 2016 (Assistant Professor, Armstrong State University, USA)

Committee Member for Ph.D. Tae Hyung Pyo, The University of Iowa, 2014 (Assistant Professor, SUNY New Paltz, USA)

### **Undergraduate Advising**

The Barrett Honors Thesis at Arizona State University

Thesis Director for Sanjana Pitti, 2023-present

Second Reader for Akshay Warriar, 2022-2023

Second Reader for Jamie Stroh, 2019-2020

Honors Contract Project in MKT352 at Arizona State University for Barrett Students, 2017-present

Faculty Advisor for Tempe Korean Presbyterian Church Young Adult Group, Arizona State University, 2018-present

### **Work Experience**

Military Service

*Korean Augmentation To US Army  
(KATUSA)*

Wonju, Korea  
April 1999 - June 2001

### **Honors and Awards**

Research Grant from Naver, Inc., 2018 (Role: Project Staff, Total Amount: \$87,833)

AMA-Sheth Foundation Doctoral Consortium, Faculty Host, The University of Iowa, 2017

Professors Institute Invitee, SMU Cox Brierley Institute for Customer Engagement, 2017

Wendell Smith Teaching Award, The University of Iowa, 2016

Best Paper Certificate - "Economic Analysis of Charitable Donations for Targeting," Paris Economics, Finance and Business Conference, Paris, France, 2015

Fund for Experiential Learning, JPEC, The University of Iowa, 2014

Old Gold Summer Fellowship, The University of Iowa, 2013

Best Paper Award - "A Direct Utility Model for Asymmetric Complements," Haring Symposium, Indiana University, 2011

ISMS Doctoral Consortium Fellow, 2009-2011

Haring Symposium Fellow, 2010-2011

Robert Bartels Marketing Fellowship, The Ohio State University, 2007-2011

William R. Davidson Doctoral Fund, The Ohio State University, 2007-2011  
Entrance Scholarship & Academic Excellence Fellowship, KAIST, 2003-2006  
The Most Outstanding Proposal Prize, KAIST, 2005  
Baden-Württemberg State Scholarship, University of Mannheim, Germany, 2004  
Academic Excellence Fellowship, Seoul National University, 1998-2002

### **Services to the Department and School**

Coordinator, Seminar Series, Marketing Department, Arizona State University, 2022  
Course Lead for MKT 352, Marketing Department, Arizona State University, 2018-present  
Member, PhD Committee, Marketing Department, Arizona State University, 2021-present  
Member, PhD Admission Committee, Marketing Department, Arizona State University, 2020, 2024  
Member, Faculty Recruiting Committee (Quant & Diversity Positions), Marketing Department, Arizona State University, 2021, 2022  
Member, Annual Performance Review Committee, Marketing Department, Arizona State University, 2018, 2020  
Member, Personnel Committee, Marketing Department, Arizona State University, 2018

### **Services to the Discipline**

Ad Hoc Reviewer, *Marketing Science*  
Ad Hoc Reviewer, *Management Science*  
Ad Hoc Reviewer, *Journal of Marketing Research*  
Ad Hoc Reviewer, *Quantitative Marketing and Economics*  
Ad Hoc Reviewer, *Journal of Economics and Management Strategy*

### **Professional Affiliations**

Member, INFORMS Society for Marketing Science  
Member, American Marketing Association