Chang Geun Song

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Department of Economics
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EDUCATION

Ph.D. Candidate, Economics, Virginia Tech, Blacksburg, VA, USA Aug. 2016 – May. 2022 (Expected)
M.A., Economics, Virginia Tech, Blacksburg, VA, USA Aug. 2016 – Feb. 2015

M.A., Economics, Sungkyunkwan University, Seoul, Korea Mar. 2012 – Feb. 2015
B.A., Economics, Sungkyunkwan University, Seoul, Korea Mar. 2005 – Feb. 2012

DISSERTATION COMMITTEE

Prof. Nicolaus Tideman
Economics Department, Virginia Tech
ntideman@vt.edu

Prof. Richard Ashley
Economics Department, Virginia Tech
ashleyr@vt.edu

Prof. Eric Bahel
Economics Department, Virginia Tech
erbahel@vt.edu

Florenz Plassmann
Economics Department, Ohio University
plassmann@ohio.edu

RESEARCH AND TEACHING FIELDS

Primary field: Public Choice, Analyses of Voting.
Secondary field*:* Applied Microeconomics.

RESEARCH PAPERS

Job Market Paper
Estimating the Probability of a Voting Cycle
Abstract:
A potential risk in making group decisions by majority rule is that the participants' preferences may exhibit cycling, Condorcet paradox. One needs each voter's full ranking of candidates to check whether the majority cycle exists or not in practice, but since the Plurality rule dominated the world for a long time, most of the actual data contained each person's first-preferred. We use the best alternative, lots of survey data that includes respondents' scoring. We introduce distinct statistics and approaches to predict the Condorcet paradox in the real world with cardinal information. The idea is considering a 'median' of collected evaluations as a significant factor to predict the win of one-to-one comparison, and then we approximate the probability of a cycle from the probability of two sets of three events occur. In sum, our approach involves 1) assigning three candidates presumed positions of first, second and third 2) noting the gaps between pairs of candidates in apparent estimated merit, and then 3) computing the probability that the three pairwise comparisons will have a combination of outcomes that results in a cycle.

Research In-Progress

The Frequency of Cycles and Condorcet Inconsistency with IRV in FairVote and Politbarometer Data

Inferring the Network within Korean Congressmembers based on their propositions
(with Dongwoo Lee and Sunjin Kim)

EXPERIENCE

Virginia Tech

Instructor

Undergraduate level:

Principles of Economics (Microeconomics)	Spring 2020, Spring 2021
Principles of Economics (Macroeconomics)	Summer 2019

Teaching Assistant

Graduate level:

Prices and Markets (Dr. Adam Dominiak)	Spring 2018

Undergraduate level:

Principles of Economics (Dr. Steve Trost)	Fall 2016, Spring 2017
Principles of Economics (Dr. Gebremeskel Gebremariam)	Fall 2018
Microeconomic Theory (Dr. Adam Dominiak)	Fall 2017
Microeconomic Theory (Dr. Matt Kovach)	Fall 2018
Microeconomic Theory (Dr. Hector Tzavellas)	Fall 2021

Sungkyunkwan University

Research Assistant

"Contests with Bilateral Delegation: Unobservable Contracts," Dr. Kyung Hwan Baik
Sept 2013 - Feb2015

Teaching Assistant

Graduate level:

Microeconomics I (Dr. Joon Song)	Spring 2014
Microeconomics II (Dr. Yong-Gwan Kim)	Fall 2013

Undergraduate level:

Microeconomics (Dr. Yong-Gwan Kim)	Spring 2012, Spring 2013, Spring 2014
Intermediate Microeconomics (Dr. Joon Song)	Fall 2012, Spring 2013, Fall 2013, Spring 2014, Spring 2015
Advanced Microeconomic Theory (Dr. Joon Song)	Fall 2014, Fall 2015
Mathematical Economics (Dr. Yong-Gwan Kim, 2012 - 2013)	Fall 2012, Fall 2013

HONORS & AWARDS

Korean Student and Foundation

National Work Study Program Scholarship (2013)

Sungkyunkwan University

Teaching Assistantship (2012 – 2015)
Simsan Scholarship (2013)
Academic Excellence Scholarship (2011)
Support for Achievement Scholarship (2011)

MISCELLANEOUS

Languages: Korean (native), English (fluent)
Software: Python