Chang Geun Song

October 2021

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

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

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

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

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

RESEARCH AND TEACHING FIELDS

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

RESEARCH PAPERS

Job Market Paper
-*Estimating the Probability of a Voting Cycle*
Abstract:
Theoretically, Condorcet paradox exists and occurs, but much less in practice than it predicted. This paper targets estimating the probability of the paradox, being closer to what the data tells. Survey data is the best alternative to actual election data under the ranked voting system. We use German Politbarometer, which offers two benefits for empirical analysis of voting systems; containing scoring data and the enormous observation size. We suggest different statistics and models based on cardinality. Specifically, considering a 'median' of collected evaluations as a significant factor in predicting the winner of one-to-one comparison, approximating the probability of a cycle from the probability of two sets of three events occur. The model predicts a significantly lower (but positive) voting cycle frequency than popular models, a probabilistic model with IC and IAC assumptions. 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
-Normal Spatial Model with Four Candidates in Three Dimensions: Parameterization and Approximation:
-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)	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

Citizenship: South Korea (U.S. Visa Status: F-1)
Languages: English (fluent), Korean (native), Mandarin (basic)
Software: Python