Chang Geun SONG

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EDUCATION

Ph.D., Economics, Virginia Tech, Blacksburg, VA, USA	Aug. 2018 – May 2022 (Expected)
M.A., Economics, Virginia Tech, Blacksburg, VA, USA	Aug. 2016 – May 2018
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:
Voting cycles do exist, but much less frequently in practice than is predicted. This paper develops an estimate of the probability of a cycle that closer to what the data reveal. In the absence of an abundance of actual voting data in which voters rank candidates, survey data is the best alternative. We use German Politbarometer data, which offers two benefits for empirical analysis of voting systems; the fact that participants score the candidates and the large number of observations. We develop hypotheses and models based on cardinality. Specifically, we consider a 'median' of collected evaluations as a significant factor in predicting the winner of head-to-head comparisons, estimating the probability of a cycle from the probability of two sets of three events occurring. The model predicts a significantly lower voting cycle frequency than models based on the 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
<div align="right">(with Dongwoo Lee and Sunjin Kim)</div>

EXPERIENCE

Virginia Tech
Instructor
Undergraduate level:

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

Research Assistant
"The Frequency of Cycles and Condorcet Inconsistency with IRV in FairVote and Politbarometer Data,"

Dr. Tideman	Summer 2021

Teaching Assistant
Graduate level:

Prices and Markets (Dr. Adam Dominiak)	Spring 2018

Undergraduate level:

Microeconomic Theory (Dr. Hector Tzavellas)	Fall 2021
Microeconomic Theory (Dr. Matt Kovach)	Fall 2018
Microeconomic Theory (Dr.Gebremeskel Gebremariam)	Fall 2018
Microeconomic Theory (Dr. Adam Dominiak)	Fall 2017

Sungkyunkwan University
Research Assistant
"Contests with Bilateral Delegation: Unobservable Contracts," Dr. Kyung Hwan Baik

<div align="right">Sept. 2013 – Feb. 2015</div>

Teaching Assistant
Graduate level:

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

Undergraduate level:

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

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)
Experienced with Python: data processing, statistical/optimization program, econometrics techniques.