

Chang Geun Song

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Department of Economics
Virginia Tech
Blacksburg
VA 24061-0316

(540)425-6098
cgsong86@vt.edu
<https://cgsongv.github.io/>

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:

Theoretically, Condorcet paradox exists and occurs, but much less in practice than it predicted. This paper targets estimating the probability of the paradox, nearer to what the data tells. We use scoring data from extensive surveys, the best alternative to actual election data under the ranked voting system. 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, 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