

Young Joon Oh

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Medium: medium.com/@youngjoonoh

YouTube: youtube.com/user/yjoon5

Research Interests

Political Economy; Public Policy; Computational Social Science; Networks & Simulation Modeling; Statistical Modeling.

Education

- Aug. 2015 **Ph.D. in Public Policy and Political Economy**, *University of Texas at Dallas*
Dissertation: *Agent-Based Network Modeling for the 2008 Financial Crisis and the Sluggish Recovery*.
Advisor: Dr. Euel Elliott.
- Feb. 2001 **M.A. in Political Science**, *Seoul National University*, Seoul, Korea
Thesis: *Spatial Voting Models and their Applicability to Korean Election*. Advisor: Dr. Suik Hwang.
- Feb. 1998 **B.A. in Political Science and Diplomacy (Minor: Economics)**, *Chung-Ang University*, Seoul, Korea

Academic Positions

- 2015–2016 **Postdoctoral Research Associate**, *Julie Ann Wrigley Global Institute of Sustainability, Arizona State University*, RIPS Project (Resilient Interdependent Infrastructure Processes and Systems)
- 2015 **Instructor**, *University of Texas at Dallas*, *EPPS 2302: Methods of Quantitative Analysis in the Social and Policy Sciences*
- 2010–2015 **Teaching Assistant**, *University of Texas at Dallas*
- 2000 **Teaching Assistant**, *Seoul National University*, Seoul, Korea

Policy & Government Experience

- 2008–2009 **Legislative Aide**, *National Assembly of Korea*, Seoul, Office of Assemblyman Park, Jong Hee Committee on National Policy
- 2002–2008 **Legislative Aide**, *National Assembly of Korea*, Seoul, Office of Assemblyman Maeng, Hyung-Kyu (Chair, C.I.E.)
Committees: National Defence; Environment & Labor; Commerce, Industry & Energy; Foreign Affairs, Trade & Unification
- 2007 **Planning & Strategy**, *Presidential Campaign*, Candidate Lee, Myung-Bak
- 2006 **Message Team**, *Seoul Mayoral Campaign*, Candidate Oh, Se-Hoon
- 2004 **Legislative Aide**, *General Election Campaign*, Candidate Maeng, Hyung-Kyu

Teaching Experience

- 2016 **Project Manager**, *CEE 598: Resilient Infrastructure*, Arizona State University
Coordinated project-based learning on interdependent infrastructure resilience (RIPS).

2015 **Instructor**, *EPDS 2302: Methods of Quantitative Analysis*, UT Dallas
Topics: statistical reasoning for public policy; data analysis in R/STATA; reproducible research.

Public Engagement & Writing

Medium Regular essays on political economy, governance, and computational modeling (2018–present).
Selected:

- Understanding financial crises through agent-based models
- Infrastructure and access: a political economy of provision
- Networks, risk, and policy design

YouTube Tutorials on quantitative methods, networks, and simulation modeling
(youtube.com/user/yjoon5).

Research Agenda & Working Papers

Stochastic agent-based network modeling of innovation networks using SIENA (simulation-based empirical analysis).

Evolutionary Prisoners Dilemma and the sluggish recovery after the 2008 financial crisis.

Hidden spread of risk in interdependent complex networks (infrastructure and systemic risk).

Conference Presentations, Workshops & Training

- 2016 International Symposium on Sustainable Systems and Technology Travel Award (\$900).
- 2015 MPSA Annual Conference PPPE Travel Grant (\$400).
- 2014 Winter Simulation Conference (PhD Colloquium) ACM SIGSIM Travel Award (\$1,000).
- 2014 APPAM Fall Research Conference PPPE Travel Grant (\$700).
- 2014 Complexity in Business Conference (6th Annual).
- 2014 Goldrain Workshop (Dirk Helbing): Understanding and mastering complex systems in the digital age.
- 2013 Workshop on Economic Science with Heterogeneous Interacting Agents (PhD School): Agent-based modeling & policy design for financial crises.

Awards & Honors

- 2011 Scholarship Recipient, UTD Korean Student Association.
- 1999 Academic Scholarship Recipient, Seoul National University.

Technical Skills

Advanced R, Python, NetLogo, STATA, L^AT_EX, Gephi
Intermediate QGIS

Languages

Korean Native
English Fluent

References

Dr. Euel Elliott

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Dr. Clint Peinhardt

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Dr. John McCaskill

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Dr. Maximilian Schich

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