

# Dean Knox

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CONTACT INFORMATION	Political Science Department Massachusetts Institute of Technology 77 Massachusetts Avenue, E53-470 Cambridge, MA 02139	(808) 200-9663 dcknox@mit.edu www.dcknox.com
EDUCATION	<b>Massachusetts Institute of Technology</b> Ph.D. Candidate, Political Science <i>Fields:</i> <i>Committee:</i> Adam Berinsky, Fotini Christia, Danny Hidalgo, Teppei Yamamoto (chair)	Cambridge, MA (expected) August 2011–May 2017 Models & Methods, Political Economy
	<b>Monterey Institute of International Studies</b> Certificate in Nonproliferation Studies	Monterey, CA January 2009–December 2009
	<b>University of Illinois at Urbana–Champaign</b> B.S., Nuclear Engineering	Urbana–Champaign, IL August 2004–May 2008
AWARDS, HONORS & FELLOWSHIPS	Society for Political Methodology Society for Political Methodology National Science Foundation Massachusetts Institute of Technology <i>Foreign Policy</i> magazine	John T. Williams dissertation prize, 2016 Best poster at annual summer meeting, 2015 Graduate Research Fellowship, 2013–2016 Presidential Graduate Fellowship, 2012–2013 Best writing in global political economy, 2010
WORKING PAPERS ↳ NETWORKS	Knox, Dean. “A New Model for Analyzing Paths: Determinants and Effects of U.S. Interstate Routes.”  Christia, Fotini, Dean Knox, and Jaffar Al-Rikabi. “Networks of Sectarianism: Experimental Evidence on Access to Services in Baghdad.”	
↳ VIDEO-AS-DATA	Knox, Dean and Christopher Lucas. “It’s Not What You Say, It’s How You Say It: A Model for Measuring Emotion in Speech.”  Knox, Dean, Christopher Lucas, and Justin de Benedictis-Kessner. “Words Don’t Fit the Picture: Use and Effectiveness of Sentimental Speech in the 2012 U.S. Presidential Campaign.”  Goplerud, Max, Dean Knox and Christopher Lucas. “The Rhetoric of Parliamentary Debate: Measuring Conflictual Speech in New Zealand Floor Speeches.”	
↳ OPINION FORMATION	Knox, Dean, Teppei Yamamoto, Matthew Baum, and Adam Berinsky. “Design, Identification, and Inference in Patient Preference Trials.”  Christia, Fotini, Elizabeth Dekeyser, and Dean Knox. “Gauging Shia Public Opinion: A Survey of Iranian and Iraqi Religious Pilgrims.”	
WORK IN PROGRESS ↳ NETWORKS	Christia, Fotini and Dean Knox. “Geographic Segregation in Baghdad: Detecting Out-group Aversion in Walking Routes.”  Knox, Dean. “Promotions, Patronage, and Performance in the Chinese Bureaucracy.”	

- REFEREED PUBLICATIONS Knox, Dean. 2012. "Nuclear Security and Nuclear Emergency Response in China." *Science & Global Security*, Vol. 20, No. 1.
- OTHER PUBLICATIONS Knox, Dean. 2012. "The Comprehensive Test Ban Treaty: Foundations, Context, and Outlook." In *Handbook of Nuclear Proliferation*, ed. Harsh V. Pant. London: Routledge.
- Jakobson, Linda and Dean Knox. 2010. "New Foreign Policy Actors in China." Stockholm: SIPRI. Translated as *Chuugoku no Atarashii Taigai Seisaku: Darega Donoyouni Kettei Shite Irunoka*. 2011. Tokyo: Iwanami Shoten.
- Jakobson, Linda, Paul Holtom, Dean Knox, and Peng Jingchao. 2011. "China's Energy and Security Relations with Russia." Stockholm: SIPRI.
- TEACHING EXPERIENCE Institute for Political Methodology summer camp. Summer 2015. Teaching assistant. Quantitative Research Methods IV (machine learning). Spring 2015. Teaching assistant. Quantitative Research Methods II (causal inference). Spring 2014. Teaching assistant.
- PROFESSIONAL EXPERIENCE **Stockholm International Peace Research Institute** Stockholm and Beijing  
*Research Assistant, China and Global Security Programme* January 2010–April 2011
- National Defense University** Washington, DC  
*Contract Researcher, Center for the Study of Chinese Military Affairs* June 2009–August 2009
- Center for Nonproliferation Studies** Monterey, CA  
*Research Assistant, East Asia Nonproliferation Program* January 2009–December 2009
- CONFERENCE PRESENTATIONS **"A New Model for Analyzing Paths: Determinants and Effects of U.S. Interstate Routes."**  
Society for Political Methodology, summer meeting. (Houston, 2016)
- "Networks of Sectarianism: Experimental Evidence on Access to Services in Iraq."**  
Multidisciplinary University Research Initiative (MURI), (UPenn, 2016)  
Midwest Political Science Association, annual meeting. (Chicago, 2016)
- "Words Don't Fit The Picture: Using Computer Vision to Measure Speaker Sentiment in Videos."**  
Midwest Political Science Association, annual meeting. (Chicago, 2016)  
NYU-CESS Experimental Political Science conference. (NYU, 2016)
- "Random Path Models."**  
By invitation. New Faces in Political Methodology conference. (Penn State, 2015)  
American Political Science Association annual meeting. (San Francisco, 2015)
- "Design, Identification, and Inference in Patient Preference Trials."**  
Society for Political Methodology, annual summer meeting. (Athens, GA, 2014)  
Poster presentation. Atlantic Causal Inference Conference. (UPenn, 2015)
- "Identifying Peer Effects under Homophily with an Instrumental Variable: Patronage and Promotions in the Chinese Bureaucracy"**  
Poster presentation. Society for Political Methodology, summer meeting. (Athens, GA, 2014)  
Midwest Political Science Association, annual meeting. (Chicago, IL, 2013)
- "Markov Chain Simulation of Policy Diffusion."**

Poster presentation. Midwest Political Science Association, annual meeting. (Chicago, IL, 2012)

DEPARTMENTAL SERVICE	MIT Political Methodology Research Seminar	Student Coordinator, 2015
	MIT Political Methodology Workshop Series	Organizer, 2014
	MIT Political Economy Breakfast Series	Student Co-coordinator, 2014
	MIT Political Science Graduate Student Research Design Group	Co-organizer, 2013–2014
	Harvard–MIT–BU Chinese Politics Research Workshop	Co-organizer, 2012–2013
SKILLS	Chinese, Taiwanese, R, Python, C++	