



Eun Kyong SHIN

University of Tennessee Health Science Center
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ACADEMIC POSITION

Postdoctoral Fellow 2016-

School of Medicine, University of Tennessee Health Science Center

- Machine Learning and Artificial Intelligence, Social Epidemiology, Biomedical Informatics

Postdoctoral Research Scholar in the Faculty of Law 2015-2016

Columbia Law School

- Network Survey and Network Intervention Design

EDUCATION

Ph.D. Sociology 2015

Columbia University

The Morphology of Resistance: Korean Resistance Networks 1895-1945, Advisor: Peter Bearman

M.Phil. Sociology 2010

Columbia University

M.A. Sociology 2007

Korea University

2006, Visiting, University of Queensland, Australia, Dean's Commendation

B.A. Sociology 2004

Korea University, Magna Cum Laude, Early & Honored

SELECTED PUBLICATIONS

1. Brenas JH, **Shin EK**, Shaban-Nejad A, "Adverse Childhood Experiences (ACEs) Ontology: A Resource for Mental Health Surveillance, Research, and Evaluation," 2019, JMIR Mental Health (Forthcoming)
2. Shaban-Nejad A, Rishi K, **Shin EK**, Akbilgic O, "Health Intelligence" Book Chapter 6 in: Feng, DD. (ed) *Biomedical Information Technology 2nd Edition*, Academic Press, 2019 (Forthcoming)
3. **Shin EK**, LeWinn K, Bush N, Tylavsky F, Davis R, Shaban-Nejad A, "Association of Maternal Social Relationships with Cognitive Development in Early Childhood," *JAMA Network*, 2019, 2(1). 1-9.
4. **Shin EK**, Mahajan R, Akbilgic O, Shaban-Nejad A, "Sociomarkers and Biomarkers: Predictive Modeling in Identifying Pediatric Asthma Patients at Risk of Hospital Revisiting," *Nature Digital Medicine*, 2018, 1(50). 1-5.

5. **Shin EK**, Shaban-Nejad, A, “Urban Decay and Pediatric Asthma Prevalence in Memphis, Tennessee: Urban Data Integration for Efficient Population Health Surveillance,” *IEEE Access*, 2018, 6:46281-46289.
6. **Shin EK**, Shaban-Nejad A, “Geo-distinctive Comorbidity Networks of Pediatric Asthma,” *Studies in health technology and informatics*, 2018, 247:436-440.
7. **Shin EK**, Shaban-Nejad A, “Public Health Intelligence and the Internet: Current State of the Art,” In: Shaban-Nejad A, Brownstein J, Buckeridge D. (eds) *Public Health Intelligence and the Internet. Lecture Notes in Social Networks*. Springer, Cham. 2017. 1-17.

GRANTS + FELLOWSHIPS + SCHOLARSHIPS + AWARDS

2019	Marvin Zelen Memorial Symposium 3 rd Prize Dana-Farber Cancer Institute	Data Science in Biomedical Research Harvard Medical School
2019	Future of Science Fund Scholarship <i>Digital Health: From Science to Application</i>	Keystone Symposia
2018	Research Grant (Co-Investigator) <i>Social Component of Health</i>	Children’s Foundation Research Institute of Memphis
2018	Travel Grant	UTHSC
2017	Travel Grant	SBP-BRiMS
2015	Summer Research Grant	Columbia University
2014-2015	Research Fellowship	INCITE, Columbia University
2014	Best Student Paper Award and Scholarship	AKSA
2014	Sydney Spivack Memorial Travel Grant	Columbia University
2013	Summer Teaching Fellowship	GSAS, Columbia University
2012	Sydney Spivack Memorial Travel Grant	Columbia University
2012	Matching Travel Grant	GSAS, Columbia University
2011	UKSNA Student Award and Fellowship	UKSNA
2011	Summer Travel Grant	ISERP, Columbia University
2011	Sydney Spivack Memorial Travel Grant	Columbia University
2008-2012	Summer Research Fellowship	GSAS, Columbia University
2008	Matching Travel Grant	GSAS, Columbia University
2007-2014	Lazarsfeld Fellowship	GSAS, Columbia University
2007	International Conference Travel Grant	Korea University
2006	Conference Travel Grant	Korea University
2006	Dean’s Commendation	University of Queensland
2005-2006	Student Scholarship	Korea University
2003-2004	High Honor Scholarship	Korea University
2001-2004	High Honor Award	Korea University

ANALYTICAL SKILLS

Social Network Analysis (R, GEPHI, UCINET, NETMINER); Quantitative Analysis and Machine Learning (R, STATA, MATLAB); Geographic Information Analysis (R, TABLEAU)