

Peter McMahan

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EDUCATION

University of Chicago, Chicago, IL

PhD program (student), Sociology Department, 2009–present

University of Chicago, Chicago, IL

Master of Public Policy, 2007

Irving B. Harris Graduate School of Public Policy Studies

Final Paper: “Evolution of Cooperation: A Networked Model of Natural Selection”

Reed College, Portland, OR

Bachelor of Arts in Mathematics, 2003

Senior Thesis: “Wreath-product Polytopes”

RESEARCH INTERESTS

Sociology of knowledge, computational methods, mathematical models, statistical methods

TEACHING EXPERIENCE

University of Chicago, Chicago, IL

Computation for Social Sciences (graduate course)

2011, 2012

Teaching Assistant — Hierarchical Linear Models

2013

Teaching Assistant — Statistical Methods of Research II

2013

Teaching Assistant — Internet and Society

2012

Teaching Assistant — Statistical Methods of Research I

2012

Teaching Assistant — Content Analysis

2011

Reed College, Portland, OR

Tutor in mathematics and general science

2002–2003

RESEARCH EXPERIENCE

University of Chicago, Chicago, IL

Research Assistant, Professor Mario Small

2012–present

Research Assistant, Professor James Evans

2009–present

Research Associate (post-graduate), Professor John Padgett

2007–2009

PUBLICATIONS

Padgett, John, Peter McMahan, and Xing Zhong (2012). “Economic production as chemistry II” in *Organizational and Market Emergence*, ed. J. Padgett and W. Powell.

McMahan, Peter (2008). “Cohesive Blocks Algorithm”, ‘igraph’ package for R.

Algorithm to identify cohesive blocks in networks, included in ‘igraph’ add-on package for the R statistical language since version 0.4.5.

(<http://cneurocv.s.rmk.kfki.hu/igraph/doc/R/cohesive.blocks.html>)

Knutson, Kent and Peter McMahan. “Closing the green gap.” *Public Utilities Fortnightly*, (2005, April).

ACADEMIC AWARDS/HONORS

Division of Social Sciences, University of Chicago

Academic fellowship

2009–2014

Harris School of Public Policy Studies, University of Chicago

Academic fellowship, renewed 2006

2005–2007

WORKSHOPS/CONFERENCES

American Sociological Association annual conference

Ambiguity and Knowledge Fragmentation (Denver, CO)

2012

Sunbelt Conference (International Network of Social Network Analysts)

Evolution of Cooperation: A Networked Model of Natural Selection (Redondo Beach, CA)

2012

Santa Fe Institute

Graduate Workshop in Computational Social Science Modeling and Complexity

2008