
JUSTIN POLCHLOPEK

Department of Economics
University of Utah
260 S Central Campus Drive, Room 343
Salt Lake City, UT 84112-9150

Mobile: 801.664.8424
Fax: 801.585.5649
justin@economics.utah.edu
<http://www.econ.utah.edu/~polchlopek>

RESEARCH INTERESTS My research involves applying heterodox methods to problems in economic analysis. I have been involved in research involving econometric methodology, crime and employment, health economics, input/output economics, and microeconomic theory. I am interested in pursuing research in education and environmental and ecological economics.

EDUCATION **The University of Utah**, Salt Lake City, UT

Ph.D. (ABD), Department of Economics.

- Thesis Topic: *Causal Models and the Economic Determinants of Recidivism*
- Expected completion: May 2012
- Committee: Richard Fowles (advisor), Norman Waitzman, Gail Blattenberger, Mark Glick, Alun Thomas

M.S., Computer Science, December 2006

- Advisor: Elaine Cohen
- Area of Study: Computational Geometry

The University of Connecticut, Storrs, CT

B.S., Computer Science & Engineering, May 2001

- *Summa cum laude*
- Minor in mathematics

WORKING PAPERS Polchlopek, J. (2011) "Medical Expenditure Growth and the Diffusion of Medical Technology." University of Utah Department of Economics Working Paper, No. 2011_10. http://www.econ.utah.edu/econ_menu.php?menuitem=82

CONFERENCE PRESENTATIONS "Medical Expenditure Growth and the Diffusion of Medical Technology" 37th Annual Conference of the Eastern Economics Association, New York, NY, March 11, 2011.

UNPUBLISHED MANUSCRIPTS Polchlopek, J. *Mathematics for Economics*. (Available by request)

CURRENT RESEARCH "Assessing Causality Via Stochastic Simulation: Case Studies in Empirical Analysis" (Job market paper)

"A Gibbs Sampler for Graphical Causal Models"

"Exploring the Utah Census of Parolees with Graphical Causal Models"

TEACHING EXPERIENCE	<p>Teaching Assistant: Principles of Microeconomics <i>Fall 2006 & Spring 2007</i></p> <ul style="list-style-type: none"> • 2 sections per term <p>Teaching Assistant: Principles of Macroeconomics <i>Fall 2006 & Spring 2007</i></p> <ul style="list-style-type: none"> • 2 sections per term <p>Instructor: Mathematics for Economists <i>Fall 2007 to Fall 2009</i></p> <ul style="list-style-type: none"> • Taught quantitative skills to Juniors and Seniors in economics major • Wrote textbook aimed at non-mathematical economics undergraduates <p>Instructor: Probability and Statistical Inference for Economists <i>Spring 2010</i></p> <ul style="list-style-type: none"> • Utilized Octave, an open-source Matlab clone for student projects <p>Instructor: Incoming PhD Mathematics Tutorial <i>Summer 2009 & 2010</i></p> <ul style="list-style-type: none"> • Taught linear algebra, calculus-based optimization • Wrote and administered mathematics entrance exam <p>Instructor: Intermediate Microeconomics <i>Summer 2010</i></p>
APPLICABLE SKILLS	<p>Software</p> <ul style="list-style-type: none"> • Statistics and mathematics: R, Matlab, Maxima (computer algebra system) • Typesetting and layout: \LaTeX, Asymptote, TikZ/PGF, HTML/CSS • Programming: C/C++, Java, Haskell, SML, LISP, and others <p>Mathematics</p> <ul style="list-style-type: none"> • Linear algebra, calculus, graph theory, differential equations, probability, statistics
OTHER ACTIVITIES	<p>Chair, Graduate Student Advisory Committee <i>Fall 2006 to Spring 2008</i></p> <ul style="list-style-type: none"> • Participated in faculty meetings, proposed rules to University-level committee • Participated in reorganization of graduate curriculum <p>Consultant <i>Summer 2008</i></p> <ul style="list-style-type: none"> • Built WebCT-based online course for Principles of Micro/Macroeconomics • Under supervision of professors Richard Fowles and Ken Jameson
MEMBERSHIPS	Eastern Economics Association, Union for Radical Political Economics
REFERENCES	<p>Dr. Richard Fowles Associate Professor, Department of Economics, University of Utah Email: richard.fowles@economics.utah.edu Phone: 801.581.4577</p> <p>Dr. Norman Waitzman Professor, Department of Economics, University of Utah Email: waitzman@economics.utah.edu Phone: 801.581.7600</p> <p>Dr. Gabriel Lozada Associate Professor, Department of Economics, University of Utah Email: lozada@economics.utah.edu Phone: 801.581.7650</p>