

Ben Klemens

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Employment

Statistician, U.S. Census Bureau Statistical Research Division 2009–present
General research in statistical computing; renovation of computational methods used in the processing of Census Bureau surveys.

Senior Statistician, National Institute of Mental Health 2006–09
Analysis of large volumes of genetic data, at the Genetic Basis of Mood and Anxiety Disorders Unit of the National Institute of Mental Health.

Nonresident Fellow, Brookings Institution 2003–09
Projects on smoking, open source software, voting, and other applications of peer effects, at the Center on Social and Economic Dynamics.

Executive Director, End Software Patents Project 2006–07
Conduct public education and legislative/legal affairs aimed at the elimination of software from patent-eligible subject matter.

Consulting Scientist, Policy Analytics LLC 2005–06
Projects on growth projections for Chicago Metro area, and casinos and crime.

Postdoctoral Fellow, Dept of Economics, Johns Hopkins 2004–05
Research on group formation and identity; teaching classes in Game Theory and conviviality.

Contractor, World Bank 2004–05
Agent-based modelling of immigration between Europe and Central-Asia.

Teaching Assistant, Humanities and Social Sciences Department, Caltech 2000–03
Graded and corrected problem sets in Microeconomics, Law, Psychology, and Anthropology. Occasionally lectured on topics such as basic Microeconomics, the Bretton Woods institutions, and multidimensional scaling.

Research Assistant to Michael Chwe, Dept of Politics, New York University 2000
Wrote a series of R scripts to test hypotheses regarding flogging in the US Navy.

Risk Control Analyst, ABN AMRO, Inc 1998-99
 Designed and implemented a Value at Risk engine for equities, options, and fixed income instruments. Reported to management on daily activity in all departments of the firm, including the trading of listed, OTC, and pink sheet equities, forex, US and local government bonds, and mutual fund management.

Research assistant to Dali Yang, Political Science Dept, University of Chicago 1992-95
 Compiled data and literature on China and its transition to a market economy. Focused on the expansion of the tobacco trade.

Education

California Institute of Technology June 2003
 PhD in Social Sciences

Harvard University July-August 2002
 Participation in the Empirical Implications of Theoretical Models Summer Institute, Center for Basic Research in the Social Sciences.

California Institute of Technology June 2001
 MS in Social Sciences

University of Chicago June 1996
 BA in Economics, Dean's list. Included ten graduate-level courses, with focus on growth and development.

London School of Economics 1995-1996
 Exchange program with University of Chicago. Included graduate classes in Labour Economics.

Books

Modeling with Data: Tools and Techniques for Scientific Computing October 2008
 A textbook on statistical modeling for data- and computation-intensive situations. Princeton University Press

Math You Can't Use: Patents, Copyright, and Software November 2005
 An economic, technical, and legal discussion of intellectual property protection on software. Brookings Institution Press.

Papers

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- The Rise of the Information Processing patent January 2008
Boston University Journal of Science and Technology Law, 14:1, pp 1–37.
- Finding optimal agent-based models September 2007
Center on Social and Economic Dynamics Working Paper #49
- A genome-wide association study implicates diacylglycerol kinase eta (DGKH) and several other genes in the etiology of bipolar disorder May 2007
Published in Molecular Psychiatry. By AE Baum, N Akula, M Cabanero, I Cardona, W Corona, *B Klemens*, TG Schulze, S Cichon, M Rietschel, MM Nathen, A Georgi, J Schumacher, M Schwarz, R Abou Jamra, S Hofels, P Propping, J Satagopan, NIMH Genetics Initiative Bipolar Disorder Consortium, SD Detera-Wadleigh, J Hardy, and FJ McMahon.
- Migration and Remittances: Eastern Europe and the Former Soviet Union December 2006
Contributed an Agent-based model of migration throughout the region. Mansoor & Qullin, ed.s
- Poster: DNA Pooling for Whole-Genome Association Studies with Illumina Infinium Assays October 2006
By Amber E. Baum, Nirmala Akula, *Ben Klemens*, Imer Cardona¹, Winston Corona¹, Andrew Singleton, John Hardy, Sevilla Detera-Wadleigh, and Francis J. McMahon
- U.S. expanding the law—domestic and foreign—to benefit corporations 17 February 2008
San Francisco Chronicle, p E5
- U.S. Patent Imperialism Hurts American Interests 25 August 2006
Washington Post, Online Edition
- Patently Offensive, *Worth*, p 38 June 2006
- The Gravity of the U.S. Patent Swindle, *Wall Street Journal*, p A9 25 March 2006
- New Legal Code, *IEEE Spectrum*, pp 60-62 August 2005
- Software Patents Don't Compute, *IEEE Spectrum*, July 2005, pp 56-59 July 2005
- Dissertation: Information Aggregation, with Application to Monotone Ordering, Advocacy, and Conviviality May 2003
- A Simulation of Information Provision by the Media October 2002
Project for the Chief Economist, FCC, aimed a determining the optimum number of media outlets.

Programs

Apophenia Work in Progress
A large library of statistical functions, with a focus on model design.

A simulation of immigration October 2004
An agent-based model of job search and remittances throughout the EU and Central Asia, to test and advise policy modifications.

Cowsweeper January 2003
A variant of Minesweeper, written for PalmOS, and available from many online sources. It is fun.

Writing appendices in LaTeX March 2002
A macro package for that facilitates moving the proofs of theorems to an appendix. Available from the Comprehensive TeX Archive Network (www.ctan.org).