

January 2016

Marina Kogan

Department of Computer Science
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Research Interests

HCI; computer supported cooperative work; computational social science; network science

Education

Ph.D. Computer Science	expected May 2017
University of Colorado Boulder	
M.A. Sociology	December 2009
University of Illinois at Urbana-Champaign	
B.A. Honors Sociology and Anthropology	December 2005
B.S. Computer Science	
City University of New York	

Academic Employment

Research Assistant	Fall 2014- current
Hazard prediction and communication dynamics in the modern information environment	
Leysia Palen, Department of Computer Science	
University of Colorado Boulder	
Research Assistant	Summer 2013
Improving the Connection between the Spatial and the Survey Sciences project	
Seth E. Spielman, Geography Department	
University of Colorado Boulder	
NSF GK-12 Fellow	Summer 2012 – Summer 2014
The eCSite Project: Engaging Computer Science in Traditional Education	
Clayton Lewis, Debra Goldberg, and Dirk Grunwald	
University of Colorado Boulder	
Professional Research Assistant	January 2010-August 2012
Ethnography & Evaluation Research	
University of Colorado Boulder	
Graduate Statistics Consultant	Fall 2009
Applied Technology for Learning in the Arts and Sciences	
University of Illinois at Urbana-Champaign	
Research Assistant	May 2008 - August 2009
Purdue and Illinois Data Curation Profile Project	
Carole Palmer and Melissa Cragin	
Graduate School of Library and Information Science	

University of Illinois at Urbana-Champaign

Research Assistant Summer 2007
Investing in Enduring Resources with the Earned Income Tax Credit
Ruby Mendenhall, Department of Sociology
University of Illinois at Urbana-Champaign

Teaching Assistant Fall 2006 - Spring 2008
Introduction to Sociology
Department of Sociology, University of Illinois at Urbana-Champaign

Awards and Honors

NSF Data Science Workshop August 2015
National Science Foundation and University of Washington

CRA-W Grad Cohort 2014
Committee on the Status of Women in Computing Research

Research Community Development Award Fall 2012
Computer Science Department, University of Colorado

Dean's Fellowship Fall 2012
College of Engineering, University of Colorado

NSF GK-12 Fellowship Summer 2012 – Summer 2014
The eCSite Project
University of Colorado Boulder

List of Teacher Ranked as Excellent by their Students Spring 2007, Spring 2008
Center for Teaching Excellence, UIUC

Honors granted Suma Cum Laude December 2005
City University of New York

Distributed Mentor Project Summer 2004
Committee on Status of Women in Computing Research (CRA-W)

Publications

Peer Reviewed Journal Articles

Anderson, J., **Kogan, M.**, Bica, M., Palen, L., Anderson, K., Morss, R., Demuth, J., Lazrus, H.,
Wilhelmi, O., & Henderson, J. Far Far Away in Far Rockaway: Responses to Risks and
Impacts during Hurricane Sandy through First-Person Social Media Narratives. To
appear at ISCRAM, 2016.

Kogan, M., Anderson, J., Palen, L., Anderson, K., & Soden, R. Finding the Way to OSM
Mapping Practices: Bounding Large Crisis Datasets for Qualitative Investigation. To
appear at CHI, 2016.

Anderson, J., Soden, R., Anderson, K., **Kogan, M.**, & Palen, L. EPIC-OSM: A Software
Framework for OpenStreetMap Data Analytics. *Proc of HICSS*, 2016.

Clauset, A., **Kogan, M.**, Redner, S. Safe leads and lead changes in competitive team sports.
Phys. Rev. E 91:6, 2015.

- Kogan, M.**, Palen, L. & Anderson, K.. Tweet Local, Retweet Global: Retweeting by the Geographically-Vulnerable during Hurricane Sandy. *Proc of CSCW*, 2015.
- Laursen, S.L., Hassi, M.-L., **Kogan, M.**, Hunter, A.-B., & Weston, T., 2014. Benefits for Women and Men of Inquiry-based Learning in College Mathematics: A Multi-institution Study. *Journal for Research in Mathematics Education*, 45(4), 406-418.
- Kogan, M.**, & Laursen, S. L., 2014. Assessing long-term effects of inquiry-based learning: A case study from college mathematics. *Innovative Higher Education*, 39(3).
- Zelikovitz, S & **Kogan, M.**, 2006, "Using Web Searches on Important Words to Create Background Sets for LSI Classification." *Proceedings of the 19th International FLAIRS Conference*, 598-603.

Peer Reviewed Conference Proceedings

- Kogan, M., & Laursen, S.L. (2012). *Role of faculty professional development in improving undergraduate mathematics education: The case of IBL workshops*. In (Eds.) S. Brown, S. Larsen, K. Marrongelle, and M. Oehrtman. *Proceedings of the 15th Annual Conference on Research in Undergraduate Mathematics Education*, pp. 80-87, Portland, Oregon.
- Hassi, M.-L., Kogan, M., & Laursen, S. L. (2011). Student outcomes from inquiry-based college mathematics courses: Benefits of IBL for students from under-served groups. In (Eds.) S. Brown, S. Larsen, K. Marrongelle, and M. Oehrtman, *Proceedings of the 14th Annual Conference on Research in Undergraduate Mathematics Education*, Vol. 3, pp. 73-77, Portland, Oregon.

Professional Presentations

- Kogan, M., "Why Data Science Needs to Attend to Contextual Behavior: The Case of Crisis Informatics." Poster session presented at: NSF Data Science Workshop; 2015 August 5-7; Seattle, WA.
- Kogan, M., "Finding the right information in disaster: assessing relevance and reliability of tweets from the Hurricane Sandy", Poster. Presented at 2014 CRA-W Grad Cohort Workshop, Santa Clara, CA
- Kogan, M. and Laursen, S. "Role of Faculty Professional Development in Improving Undergraduate Mathematics Education: The Case of IBL Workshops." Presented at the 15th annual Conference on Research in Undergraduate Mathematics Education, Portland, Oregon, 23-25 Feb. 2012
- Kogan, M. and Laursen, S. "Assessing Suitability of Grades and Course-Taking Patterns as Measures of Long-term Student Outcomes following Inquiry-Based Learning Experiences." Presented at the Joint Mathematics Meetings, Boston, Mass., 4-7 Jan. 2012
- Kogan, M. and Laursen, S. "Obstacles in Advancement of Young Female Geoscientists: Research Results from the Earth Science Women's Network (ESWN)." Poster presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Hassi, M.-L., Kogan, M., and Laursen, S. "Student Outcomes from Inquiry-Based College Mathematics Courses: Benefits of IBL for Students from Under-Served Groups."

Presented at the 14th annual Conference on Research in Undergraduate Mathematics Education, Portland, Oregon, 24-27 Feb. 2011

Kogan, M. and Laursen, S. "Evaluating Career Development Resources: Lessons from the Earth Science Women's Network (ESWN)." Poster presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.

Kogan, M. "Global Pressures of National Identity: The Myth of Two Ukraines." Presented at 103rd American Sociological Association Annual Meeting, Boston, Massachusetts. August 1-4, 2008.

Kogan, M. "Ukrainian Orange Revolution: Transnational Contention Rooted in Place and Identity." Presented at 102nd American Sociological Association Annual Meeting, New York, New York. August 11-14, 2007.

Kogan, M. "Switching/Mixing Approach for Real-time Object Tracking in UAV Video Sequences." Presented at CSI Undergraduate Research Conference, Staten Island, NY, April 2006

Kogan, M. "Mining the Web to Improve Text Classification." Presented at CSI Undergraduate Research Conference, Staten Island, NY, April 2006

Kogan, M. "Exploring Queries for Background Knowledge for Text Classification." Presented at CSI Undergraduate Research Conference, Staten Island, NY, April 2005

Kogan, M. and Belmonti, V. "Coding and Computation with Spiking Neurons." Presented at CSI Undergraduate Research Conference, Staten Island, NY, April 2004

Professional Membership

Association for Computing Machinery
American Sociological Association