

November 2016

# Marina Kogan

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Department of Computer Science  
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## Research Interests

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

## Education

Ph.D. Computer Science	expected May 2017
University of Colorado Boulder	
M.S. Computer Science	December 2014
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-present
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

## Publications

**Kogan, M.** & Palen, L. Conversations in the Eye of the Storm: Structural Analysis of Twitter Reply Behavior by the Geographically Vulnerable in a Hurricane Event. Under review.

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. *Proc of 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. *Proc of 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 19<sup>th</sup> International FLAIRS Conference*, 598-603.

## Posters and Workshop Papers

Kogan, M., "Understanding Online Self-organization and Distributed Problem Solving in Disaster." Poster presented at HCOMP 2016, Austin, TX.

Kogan, M., "Data Science and Contextual Behavior: The Case of Crisis Informatics." Presented at the workshop on Human Centered Data Science at CSCW 2016, San Francisco, CA.

- 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., “Public Transit Flow and Inequality: Network Approach.” Presented at the workshop on Information Technology and City Life at CSCW 2015, Vancouver, BC.
- 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. “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.
- 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.

## Professional Presentations

- Kogan, M. and Laursen, S. “Role of Faculty Professional Development in Improving Undergraduate Mathematics Education: The Case of IBL Workshops.” Presented at the 15<sup>th</sup> 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
- 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 14<sup>th</sup> annual Conference on Research in Undergraduate Mathematics Education, Portland, Oregon, 24-27 Feb. 2011
- Kogan, M. “Global Pressures of National Identity: The Myth of Two Ukraines.” Presented at 103<sup>rd</sup> 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 102<sup>nd</sup> 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

## Service

Student Volunteer	March 2016
Computer Supported Cooperative Work (CSCW '2016)	
Prospective Student Visit Volunteer/Panelist	2014, 2015, 2016
Computer Science, University of Colorado Boulder	
Informal Mentor for Junior Graduate Students	2014-2016
Computer Science, University of Colorado Boulder	

## 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 Summa Cum Laude	December 2005
City University of New York	
Distributed Mentor Project	Summer 2004
Committee on Status of Women in Computing Research (CRA-W)	

## Professional Membership

Association for Computing Machinery  
American Sociological Association