

August 2018

Marina Kogan

Department of Computer Science
University of New Mexico
Albuquerque NM 87131
917-420-3730
mkogan@unm.edu
mkoganresearch.com

Research Interests

Human-centered computing; crisis informatics; computational social science; network science

Education

| | |
|--|---------------|
| Ph.D. Computer Science University of Colorado Boulder | December 2017 |
| M.S. Computer Science University of Colorado Boulder | December 2014 |
| M.A. Sociology University of Illinois at Urbana-Champaign | December 2009 |
| B.A. Honors Sociology and Anthropology B.S. Computer Science City University of New York | December 2005 |

Academic Employment

| | |
|--|---------------------------|
| Assistant Professor Department of Computer Science University of New Mexico | Spring 2018-present |
| Research Assistant Hazard prediction and communication dynamics in the modern information environment Leysia Palen, Department of Computer Science University of Colorado Boulder | Fall 2014-2017 |
| Research Assistant Improving the Connection between the Spatial and the Survey Sciences project Seth E. Spielman, Geography Department University of Colorado Boulder | Summer 2013 |
| NSF GK-12 Fellow The eCSite Project: Engaging Computer Science in Traditional Education Clayton Lewis, Debra Goldberg, and Dirk Grunwald University of Colorado Boulder | Summer 2012 – Summer 2014 |
| Professional Research Assistant Ethnography & Evaluation Research University of Colorado Boulder | January 2010-August 2012 |

| | |
|---|-------------------------|
| 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

- Stowe, K., M. Palmer, L. Palen, K. M. Anderson, J. Anderson, **M. Kogan**, R. Morss, J. Demuth & H. Lazrus. Developing and Evaluating Annotation Procedures for Twitter Data during Hazard Events. To appear at *Joint Workshop on Linguistic Annotation, Multiword Expressions and Constructions at the International Conference on Computational Linguistics (COLING 2018)*.
- Demuth, J.L, R.E. Morss, L. Palen, K.M. Anderson, J. Anderson, **M. Kogan**, K. Stowe, M. Bica, H. Lazrus, O. Wilhelmi, J. Henderson (2018): "Sometimes da #beachlife ain't always da wave": Understanding People's Evolving Hurricane Risk Communication, Risk Assessments, and Responses Using Twitter Narratives. *Weather, Climate, and Society*, 10(3), 537-560.
- Kogan, M** & Palen, L. Conversations in the Eye of the Storm: At-Scale Features of Conversational Structure in a High-Tempo, High-Stakes Microblogging Environment. *Proc of CHI*, 2018.
- Morss, R., Demuth, J., Lazrus, H., Palen, L, Barton, M., Davis, C., Snyder, C., Wilhelmi, O., Anderson, K., Ahijevych, D., Anderson, J., Bica, M., Fossell, K., Henderson, J., **Kogan, M.**, Stowe, K., Watts, J (2017). Hazardous Weather Prediction and Communication in the Modern Information Environment. *Bulletin of the American Meteorological Society*, 98 (12), 2653-2674.
- Kogan, M.** Digital Traces of Online Self-Organizing and Problem Solving in Disaster. In *GROUP'2016 Doctoral Consortium papers*. ACM.
- 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 19th 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. (Apr 3, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at University of Houston.
- Kogan, M. (Mar 30, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at McGill University.
- Kogan, M. (Mar 27, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at Colorado State University.

- Kogan, M. (Mar 23, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at Emory University.
- Kogan, M. (Mar 15, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at University of North Carolina, Charlotte.
- Kogan, M. (Mar 9, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at University of North Carolina, Chapel Hill.
- Kogan, M. (Feb 14, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at University of New Mexico.
- Kogan, M. (Feb 10, 2017). Human-Centered Data Science for Crisis Informatics. Invited colloquium talk at University of California, Merced.
- Kogan, M. (Nov 13, 2016). Digital Traces of Online Self-Organizing and Problem Solving in Disaster. Presentation to ACM Group '2016 Doctoral Consortium.
- Kogan, M. (Oct 30, 2016). Understanding Online Self-organization and Distributed Problem Solving in Disaster. Presentation to HCOMP '2016 Doctoral Colloquium.
- 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
- 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. "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

Service

| | |
|--|------------------|
| Program Committee Member European Conference on Computer Supported Cooperative Work (ECSCW) | 2018 |
| Program Committee Member International Conference on Weblogs and Social Media (ICWSM) | 2018 |
| Member of Organizing Committee ACM International Conference on Supporting Group Work (Group '2018) | January 2018 |
| Reviewer The Information Society | 2017 |
| Reviewer Social Media and Society | 2017 |
| Program Committee Member International Conference on Computational Social Science (IC2S2) | 2017 |
| Reviewer International Conference on Information Systems for Crisis Response And Management | 2016- 2018 |
| Reviewer ACM Conference on Human Factors in Computing Systems (CHI) | 2016-2018 |
| Program Committee Meeting Student Volunteer ACM Conference Human Factors in Computing Systems (CHI) | 2016 |
| Student Volunteer ACM Conference on Computer Supported Cooperative Work & Social Computing | 2016 |
| Prospective Student Visit Volunteer/Panelist Computer Science, University of Colorado Boulder | 2014, 2015, 2016 |
| Informal Mentor for Junior Graduate Students Computer Science, University of Colorado Boulder | 2014-2017 |

Awards and Honors

| | |
|---|---------------------------|
| NSF Data Science Workshop National Science Foundation and University of Washington | August 2015 |
| CRA-W Grad Cohort Committee on the Status of Women in Computing Research | 2014 |
| Research Community Development Award Computer Science Department, University of Colorado | Fall 2012 |
| Dean's Fellowship College of Engineering, University of Colorado | Fall 2012 |
| NSF GK-12 Fellowship The eCSite Project | Summer 2012 – Summer 2014 |

