

# C. Ben GIBSON

WEBSITES: [scholar.google.com/cbengibson/](http://scholar.google.com/cbengibson/)  
[sites.uci.edu/cbengibson/](http://sites.uci.edu/cbengibson/)

EMAIL: [cbgibson@uci.edu](mailto:cbgibson@uci.edu)

INTERESTS: Methodology (social networks, informant accuracy, QCA,  
machine learning, mathematical sociology)  
Public Health (disease diffusion, disasters,  
health communication, mental health)

## EDUCATION

The University of California, Irvine

*PhD, Sociology (In  
Progress)*

2018 (exp.)

Thesis: *Improving Dynamic Models for Social Networks*

The University of Alabama at Birmingham

*Master of  
Sociology*

2006-2012

Thesis: *Does Homophily Predict Similarities in the Frequency of Heroin Use?  
An Analysis of Heroin-Using Dyads*

## POSITIONS

Graduate Student Researcher

*UCI Department  
of Sociology*

2012-Present

Lab: Networks, Computation, and Social Dynamics

PI: [Carter T. Butts](#)

Teaching/Research Assistant

*UAB Department  
of Sociology*

2010-2012

Courses: Statistics, Methods

Research Groups: Center for Social Medicine, EMPaCT

References: [Casey Borch](#), [Jeffrey Clair](#), [Shiela Cotten](#)

## PEER-REVIEWED PUBLICATIONS

*Forthcoming*

**Gibson, C. Ben** and Timothy B. Mayhall. "Comprehension Context and Sponsor Effects in a Hospital Mental Health Study." Accepted to *Sociological Methods and Research*.

2016

Sean M. Fitzhugh, **C. Ben Gibson**, Emma S. Spiro, Carter T. Butts. "Spatio-temporal Filtering Techniques for the Detection of Disaster-related Communication" *Social Science Research*.

2015

Sutton, Jeannette, **C. Ben Gibson**, Nolan Edward Phillips, Emma S. Spiro, Cedar League, Britta Johnson, Sean M. Fitzhugh, Carter T. Butts (2015). "Terse Message Retransmission: A Cross-Hazard Analysis of Twitter Warning Messages." *Proceedings of the National Academy of Sciences*.

2015

Sutton, Jeannette; **C. Ben Gibson**, Emma S. Spiro, Cedar League, Sean M. Fitzhugh, Butts, Carter T. In Press. "What it Takes to Get Passed On: Message Content, Style, and Structure as Predictors of Retransmission in the Boston Marathon Bombing Response." *PLOS One*.

2014

Sutton, Jeannette, Emma S. Spiro, Sean Fitzhugh, Britta Johnson, **C. Ben Gibson**, and Carter T. Butts. "Terse Message Amplification in the Boston Bombing Response." *International Journal of Information Systems for Crisis Response and Management*.

2014

Sutton, Jeannette, Emma S. Spiro, Britta Johnson, Sean Fitzhugh, **C. Ben Gibson**, and Carter T. Butts. "Warning Tweets: Serial Transmission of Warning Messages During a Disaster Event." *Information, Communication and Society*.

## MANUSCRIPTS UNDER REVIEW

- Under Review*      **Gibson, C. Ben** and Burrell Vann Jr.. "The Bootstrapped Robustness Assessment for Qualitative Comparative Analysis." (Resubmitted to *Sociological Methodology*)
- 2016 Clifford C. Clogg Award for Best Graduate Student Paper. Methodology Section. American Sociological Association.
  - 2015 Robin M. Williams Jr Award for Best Graduate Student Paper. Department of Sociology. University of California, Irvine.
- Under Review*      Sarah Vos, Jeannette Sutton, **Gibson, C. Ben** and Carter T. Butts. "Theorizing the Diffusion of Public Health Messages on Social Network Sites." (Submitted to *Health Communication*)

## PUBLISHED SOFTWARE

- 2015      C. Ben Gibson and Burrell Vann Jr. (2015). braQCA: Robustness assessment for QCA. CRAN. <https://cran.r-project.org/web/packages/braQCA>

## SELECTED MANUSCRIPTS IN PROGRESS

- In Progress*      Gibson, C. Ben and Carter T. Butts. "Bayesian Imputation of Follower Counts of Public Health Twitter Accounts "
- In Progress*      Gibson, C. Ben and Carter T. Butts. "Swinging and Missing: the Nature of Sexual Partner Concurrency in the United States."
- In Progress*      Gibson, C. Ben and Carter T. Butts. "The Effect of Temporal Adjustments on Dynamic Network Models"
- In Progress*      Gibson, C. Ben and Carter T. Butts. "Relational Event Modeling of Emergency Management Organizations' Communications during the Boston Marathon Bombing."
- In Progress*      Yue Yu, Gibson, C. Ben, Zack Almquist, and Carter T. Butts. "Scalable Estimation of Temporal ERGMs with DNR Structure from Egocentrically Sampled Data."

## PROFESSIONAL CONFERENCE PRESENTATIONS

- August, 2016*      Gibson, C. Ben, and Carter T. Butts. "Relational Dynamics among Emergency Management Organizations during the Boston Bombing Event." Panel Session, American Sociological Association Conference 2016, Seattle, Washington.
- April, 2016*      Gibson, C. Ben and Carter T. Butts. "Relational Dynamics between Emergency Management Organizations during a Terrorism Event" Sunbelt Conference XXXVI, Newport Beach, CA.
- April, 2016*      Yue Yu, Gibson, C. Ben and Carter T. Butts. "Scalable Dynamic Sexual Contact Networks Coefficients Estimation with DNR Structure." Sunbelt Conference XXXVI, Newport Beach, CA.
- August, 2015*      Gibson, C. Ben, Zack Almquist, and Carter T. Butts. "Scalable Estimation of Temporal ERGMs and DNR Structure from Egocentrically Sampled Data." Panel Session, American Sociological Association Conference 2015, Chicago, Illinois.
- August, 2015*      Gibson, C. Ben and Burrell Vann Jr. "The Bootstrapped Robustness Assessment for Qualitative Comparative Analysis." Roundtable Discussion, American Sociological Association Conference 2015, Chicago, Illinois.
- June, 2015*      Gibson, C. Ben and Carter T. Butts. "The Effect of Temporal Adjustments on Dynamic Network Models." Sunbelt Conference XXXV, Brighton, UK.

- June, 2015 Nolan Edward Phillips, Jeannette Sutton, Sean M. Fitzhugh, Cedar League, Britta Johnson, Emma S. Spiro, Gibson, C. Ben and Carter T. Butts. "Emergency Management Inter-organizational Networks" Sunbelt Conference XXXV, Brighton, UK.
- June, 2015 Yue Yu, Gibson, C. Ben and Carter T. Butts. "How to Know When Your Partner's Sleeping Around: Imputing Concurrency in Dynamic Sexual Contact Networks" Sunbelt Conference XXXV, Brighton, UK.
- August, 2014 Sean Fitzhugh, Jeannette Sutton, Carter T. Butts, Emma S. Spiro, C. Ben Gibson, Cedar League, and Britta Johnson "HEROIC: Hazards, Emergency Response, and Online Informal Communications." Research Highlight, Natural Hazards Annual Workshop. Boulder, Colorado.
- August, 2014 Sean Fitzhugh, Ben Gibson, Emma S. Spiro and Carter T. Butts. *Did You Feel it? Spatial Filtering Techniques for Detection of Local Disaster Events.* American Sociological Association: Section on Mathematical Sociology, San Francisco, California.
- February 2014 C. Ben Gibson, Yue Yu, Zack Almquist, and Carter T. Butts. *Scalable Estimation of Temporal ERGMs with DNR Structure from Egocentrically Sampled Data.* Sunbelt Conference, St. Pete Beach, FL.
- August 2013 Jeannette Sutton, Emma Spiro, Britta Johnson (presenter), Sean Fitzhugh, C. Ben Gibson, and Carter T. Butts. *Warning Tweets: Serial Transmission of Warning Messages During a Disaster Event* American Sociological Association, New York.
- August 2013 C. Ben Gibson, Emma Spiro, Sean Fitzhugh and Carter T. Butts. *Findings from Measuring Online Social Networks Dynamics: the Local Is Global.* American Sociological Association, New York.
- June 2013 C. Ben Gibson, Emma Spiro, Sean Fitzhugh, and Carter T. Butts. *Estimating Active User Population Dynamics in Online Social Networks.* Sunbelt Conference, Hamburg.
- June 2013 Sean Fitzhugh, C. Ben Gibson, and Carter T. Butts. *Extended Brokerage Structures in Organizational Networks: A Model-Driven Approach* Sunbelt Conference, Hamburg.
- August 2012 C. Ben Gibson. *Online Social Networks (OSNs) and the Possibility of Representative Snowball Sampling.* American Sociological Association. Denver.
- March 2012 C. Ben Gibson. *Hyperbolic Theory and the Idea-Construction of Reality.* Southern Sociological Association. New Orleans.
- March 2011 C. Ben Gibson. *Rich Friends, Healthy Mind? Peer Income and Mental Health among Older Adults.* Southwest Sociological Association. Las Vegas.
- April 2010 C. Ben Gibson. *Elite Networks and the Political Survival of US Cabinet Members.* Southern Sociological Association. Atlanta.
- June 2009 R. Corbetta and C. Ben Gibson *Revolving Doors and Foreign Policy Collective Decision-Making: A Network Analysis.* Harvard Political Networks Conference. Boston.

#### TEACHING

- Instructor* "Truth Be Told: Informant Accuracy in Clinical Mental Health Assessment" (March 2016). Webinar for the Association of Professional Chaplains (APC).
- Workshop Assistant* Modeling Relational Event Dynamics with statnet. 34th-36th Sunbelt Conference.

Exponential-family Random Graph Modeling (ERGMs) with statnet. 34th-36th Sunbelt Conference.

*Lab Instructor* SOCIOLOGY 410: SOCIAL STATISTICS LAB INSTRUCTOR

*Lab Instructor* SOCIOLOGY 490: RESEARCH METHODS LAB INSTRUCTOR

#### OTHER INFORMATION

*Skills* R, SQL, L<sup>A</sup>T<sub>E</sub>X, Linux (bash); Conversant in SPSS, SAS, Microsoft Word/Excel

*Awards*

- 2016 · Clifford C. Clogg Award for Best Graduate Student Paper. Methodology Section. American Sociological Association.
- 2015 · Robin M. Williams Jr. Paper Award, Department of Sociology, UCI
- 2012-2013 · Social Science Tuition Fellowship, UCI
- 2010 · Ferris P. and Annie Ritchey Endowed Scholarship in Sociology, Department of Sociology, UAB
- 2010 · Dean's Research Award, College of Arts and Sciences, UAB