
CONTACT INFORMATION	Department of Communication Stanford University 450 Serra Mall, Building 120, Room 110 Stanford, CA, 94305-2050	<i>phone:</i> (650) 485-1411 <i>email:</i> rjweiss@stanford.edu
RESEARCH INTERESTS	Media effects, political communication, political psychology, text classification, topic modeling, applications of natural language processing and machine learning, computational journalism, computational social science	
EDUCATION	<p>Stanford University, Stanford, CA Ph.D., Communication, <i>Current</i></p> <p>Massachusetts Institute of Technology, Cambridge, MA S.M., Engineering Systems Division (Technology Policy), June 2009</p> <p>University of British Columbia, Vancouver, BC B.A., Cognitive Systems (Honours), June 2006</p>	
PEER-REVIEWED PAPERS AND PRESENTATIONS	<ol style="list-style-type: none"> Lelkes, Y.*, and Weiss, R.*. (2015). Much ado about acquiescence: The relative validity and reliability of construct-specific and agreedisagree questions. <i>Research and Politics</i>, 2(3) Chuang, J.*, Roberts, M.*, Stewart, B.*, Weiss, R.*, Tingley, D.*, Grimmer, J.* and Heer, J.*. (2015) “TopicCheck: Interactive Alignment for Assessing Topic Model Stability.” <i>Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics - Human Language Technologies (NAACL-HLT)</i>, Denver, CO Weiss, R. (2014) “A Case Study in Computational Content Analysis: Comparisons of Sentiment Analysis Methods on News Media.” Paper presented at <i>International Communication Association</i>. Westwood, S. Weiss, R., and Iyengar, S. (2013) “All the news that’s fit to print? Gatekeeping effects in Newspaper coverage of International Affairs” Paper presented at <i>International Communication Association</i>. Emberson, L. L., Weiss, R. J., Barbosa, A. V., Vatikiotis, Bateson, E., & Spivey, M. J. (2008) “Crossed hands curve saccades: Multisensory dynamics in saccade trajectories.” <i>Proceedings of the 30th Annual Conference of the Cognitive Science Society</i>, Austin, TX 	
CONFERENCE PAPERS AND PRESENTATIONS	<ol style="list-style-type: none"> Chuang, J.*, Fish, S.*, Larochelle, D.*, Li, W.P.*, and Weiss, R.*. “Large-Scale Topical Analysis of Multiple Online News Sources with Media Cloud.” 2014, ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD). Workshop on NewsKDD: Data Science for News Publishing. New York, New York. Chuang, J.*, Wilkerson, J.D.* Weiss, R.*, Tingley, D.*, Stewart, B.M.*, Roberts, M.E.*, Poursabzi-Sangdeh, F.*, Grimmer, J.*, Findlater, L.*, Boyd-Graber, J*, and Heer, J.* “Computer-Assisted Content Analysis: Topic Models for Exploring Multiple Subjective Interpretations.” 2014. <i>Conference on Neural Information Processing Systems (NIPS). Workshop on Human-Propelled Machine Learning</i>. Montreal, Canada Mehta, D. , Johri, A., and Weiss, R. “A Computational Approach to Studying Framing in Political Rhetoric.” 2014. Paper presented at the American Political Science Association. Weiss, R., Lelkes, Y. “The Partisan Proving Ground: How Survey Respondents Use Media Self-Reports to Affirm Their Partisan Identity.” 2014. Paper presented at the Midwest Political Science Association. 	

5. Westwood, S. and **Weiss, R.** “Deliberation and the Illusion of Democracy: The Effects of Artificial Deliberation on Public Attitudes” 2013. *Under review*

* *Authors contributed equally to the paper*

AWARDS	<p>Fellow 2014–current <i>Brown Institute for Media Innovation</i></p> <p>Fellow 2013–current <i>Berkman Center for Internet and Society at Harvard University</i> Member of the core development team for Media Cloud, an open source, open data platform that allows researchers to answer quantitative questions about the content of online media. Media Cloud is a joint project between the Harvard Law School and the Center for Civic Media in the Media Lab at the Massachusetts Institute of Technology</p> <p>Interdisciplinary Graduate Fellow 2013–2016 <i>Stanford University, Office of the Vice Provost for Graduate Education</i> The Interdisciplinary Graduate Fellowship (SIGF) program is a competitive, university-wide program to award three-year fellowships to outstanding doctoral students engaged in interdisciplinary research</p> <p>Computational Social Science Fellow 2012–2013 <i>Stanford University, Institute for Research in the Social Sciences</i> The Computational Social Science Fellowship (CSSF) program is a competitive, university-wide program intended to promote interdisciplinary research efforts using computational techniques to analyze big data and address important social problems</p> <p>Department of Communication Fellow 2010-2011 Rabinowitz Leadership Fellow 2008-2009 Undergraduate Student Research Award 2006 Nellie B. Hoyes Scholarship 2003-2004 Undergraduate Scholar Program Award 2003-2004</p>
GRANTS	<p>Brown Institute for Media Innovation 2013–2014 With Richard Socher “Uncovering meaning, sentiment and bias in big news data” \$80,000</p> <p>Institute for Research in the Social Sciences 2013–2014 “Large-scale natural language processing analysis of online news” \$8,000</p> <p>Marketing Science Institute 2013–2014 With Elizabeth Brügger, Jan van den Brakel, and Jon A. Krosnick. “Establishing the accuracy of online panels” \$5,000</p>
SOFTWARE	<p>MUCK (Mechanical Understanding of Contextual Knowledge) toolkit Software for processing unstructured text corpora into structured indices by leveraging cloud computing platforms for distributed processing of large-scale text collections using the Stanford CoreNLP library.</p> <p>Gistraker Web application for the dynamic visualization and exploration of large text collections, particularly online news.</p>
PRESENTATIONS	<p>Conferences</p>

NAACL: Human Language Technologies	2015
NIPS: Workshop on Human-Propelled Machine Learning	2014
KDD: Workshop on Data Science for News Publishing	2014
American Political Science Association	2014
Midwest Political Science Association	2014
American Association for Public Opinion Research	2011, 2012
International Communication Association	2013, 2014
Society for Judgment and Decision-Making	2008
Cognitive Science Society	2008
Canadian Society for Brain, Behaviour, and Cognitive Science	2007

Invited talks

Python and Web scraping for Social Science	
Very Applied Methods Workshop, Stanford University	Apr 2014
Computational Text Analysis, Mozilla Festival, London, UK	Oct 2013
Computational Text Analysis, IRiSS, Stanford University	Sep 2013
NLP for Communication Research, Berkman Center for Internet and Society	Jul 2013
Computational Text Analysis, ILPS, University of Amsterdam	Jun 2013
NLP for Communication Research, ASCoR, University of Amsterdam	Jun 2013
Internet Survey Accuracy of Probability and Non-Probability Samples, AAPOR	May 2011

ADDITIONAL TRAINING

Institutes

Summer Institute in Political Psychology	Stanford, USA, 2010
Summer Institute in Bounded Rationality	Berlin, Germany, 2008

RESEARCH EXPERIENCE

Political Communication Laboratory, Stanford University	2012-current
Political Psychology Research Group, Stanford University	2010-2012
Sloan Marketing Group, Massachusetts Institute of Technology	2007-2008
Center for Digital Business, Massachusetts Institute of Technology	2008-2009
Center for Collective Intelligence, Massachusetts Institute of Technology	2007-2008
Communication Dynamics Lab, University of British Columbia	2004-2006
Human Communication Technology Lab, University of British Columbia	2004-2005

TEACHING EXPERIENCE

Course Development

Text Analysis	Stanford, Summer 2013
Neuroscience for Society	MIT, Summer 2008

Teaching Assistant

Campaigns, Media, Voting, Elections	Stanford, Fall 2012
Virtual People	Stanford, Spring 2012
Dialogue of Democracy	Stanford, Winter 2012
Media Psychology	Stanford, Spring 2011
Listening to the Customer	MIT, Spring 2008
Strategic Market Measurement	MIT, Spring 2008
Understanding and Designing Cognitive Systems	UBC, Fall 2005

PROFESSIONAL EXPERIENCE

Affiliate, Media Cloud, Berkman Center for Internet and Society	2013-2014
Analytics Manager, Firefox, Strategic Operations, Mozilla Corporation	2015- <i>current</i>
Data Scientist, Metrics Team, Strategy and Insights, Mozilla Corporation	2013-2015
Data Analyst, Metrics Team, Product Marketing, Mozilla Corporation	2012
Data Analyst, Metrics Team, Product Development, Mozilla Corporation	2010-2012
Intern, The Office of U.S. Senator Richard J. Durbin	2002

SERVICE	Steering Committee, Communication Department Colloquium Series Program Committee, Computational Social Science Workshop Political Communication, Assistant Editor Reviewer: Political Communication	2012 - Present 2013 2013
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SOFTWARE SKILLS	Analysis: R Statistical Language, MATLAB Programming: Java, C++ Scripting: Python, UNIX shell (bash, zsh) Web: Javascript, HTML, CSS Databases: MongoDB, MySQL, SQLite Search engines: Lucene, Solr, Elasticsearch Typesetting: L ^A T _E X, Sweave/Knitr, IPython Notebook
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