

▶ MATTHEW R. SISCO

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Education

Psychology Ph.D., Columbia University

- ▶ Expected graduation: 2020
- ▶ IGERT Data Science specialization

Psychology B.A., Summa Cum Laude, Fairleigh Dickinson University

- ▶ 4.0 GPA
- ▶ Honors Research: "Examining Sustainability Leadership in Higher Education"

Peer-reviewed Publications

Sisco, M.R., Bosetti, V. & Weber, E.U. (2017). When do weather events generate attention to climate change? *Climatic Change*, 143 (1-2), 227-241. doi:10.1007/s10584-017-1984-2

Gong, M., Lempert, R., Parker, A., Mayer, L. A., Fischbach, J., **Sisco, M.R.**, Mao, Z., Krantz, D.H. & Kunreuther, H. (2017). Testing the scenario hypothesis: An experimental comparison of scenarios and forecasts for decision support in a complex decision environment. *Environmental Modelling & Software*, 91, 135-155.

Working Papers

Sisco, M.R., & Weber, E.U. (2017). Evaluating computational methods to automatically detect emotions in Twitter messages. In preparation.

Sisco, M.R., & Weber, E.U. (2017). Examining the role of negative emotions in attention to climate change. In preparation.

O'Garra, T. & **Sisco, M.R.** (2017). Leadership effects in multi-player dictator games. Submitted to Economics Letters.

Schneider, C.R., **Sisco, M.R.**, Shohamy, D., & Weber, E.U. (2017). Uncovering the mechanism of the primacy effect in choice behavior: How we value choice options depends on serial position. In preparation.

Conference Presentations

Sisco, M.R., Bosetti, V., & Weber, E.U. (2016). When do weather events cause attention to climate change? Paper presented at the European Association for Environmental Economics Annual Conference, June 25th, 2016, Zurich.

O'Garra, T. & **Sisco, M.R.** (2016). The Impact of Leading-by-example on altruism, Paper presented at the London Experimental Workshop, Queen Mary University, June 6th, 2016, London.

Writings and Quoted in Popular Press

Deaton, J. (2017, April 14). More people than ever are worried about climate change, but will it last? The relationship between weather and public opinion is complicated. *Think Progress*. Accessible online at <https://thinkprogress.org/climate-change-and-weather-e5be90138c36>

Sisco, M.R. (2012, November 18). Op-ed: Time to get focused on climate change. *The Star-Ledger*. Published in print and accessible online at http://blog.nj.com/njv_guest_blog/2012/11/time_to_get_focused_on_climate.html

Presentations

“Analyzing how extreme weather affects attention to climate change with a focus on method development”

Columbia Psychology Research Day (May 2017)

“An overview of topics and research in decision science”

Introduction to Carbon Management Guest Lecture (April 2017)

“Leveraging automatically generated data and computational methods to study environmental decisions”

Columbia Psychology Department Seminar (December 2015)

“New Data and Computational Social Science”

CRED Annual Conference (May 2014)

“Digital Data: Extraction, Storage, and Security”

CRED RA Educational Series (Feb 2014)

“Best Practices in Research Data Management”

CRED Annual Conference (May 2013)

“Why do People Value Endangered Species?”

American Association for the Advancement of Science Annual Meeting Poster Session (Feb 2013)

“Sustainability Leadership in Higher Education”

Presented at the FDU Honors Research Day (April 2011)

Professional Experience

Program Coordinator

Center for Research on Environmental Decisions (CRED), Columbia University (May 2012 – Aug 2015)

- ▶ Managed research data across center; Developed web application for centrally managing research data
- ▶ Contributed substantially to multiple CRED research projects
- ▶ Consulted on Columbia IRB, funding opportunities, and Columbia internal systems

Research Assistant

Center for Research on Environmental Decisions, Columbia University (May 2011 – May 2012)

- ▶ Responsible for literature reviews, running experiments, data processing, and manuscript editing

Youth Representative to the United Nations

Fairleigh Dickinson University (Sept 2010 – May 2012)

- ▶ Represented the university at high-level meetings and UN conferences

Technology

- ▶ Statistical software: R, SPSS
- ▶ Programming languages (proficient): PHP, JavaScript, jQuery, VBA, CSS, HTML
- ▶ Database software: MySQL, Amazon S3, Amazon RDS
- ▶ High-performance computing: Amazon EC2, Linux cluster computing
- ▶ Dynamic data visualization: D3 (JS), CartoDB, Highcharts (JS), Google Charts (JS)

Grant Writing

2015 NSF Graduate Research Fellowship Proposal

\$144k, National Science Foundation (September 2015 – November 2015); not awarded

- ▶ Assembled graduate fellowship proposal

2014 NSF Graduate Research Fellowship Proposal

\$144k, National Science Foundation (July 2014 – November 2014); not awarded

- ▶ Assembled graduate fellowship proposal under guidance of prospective mentor Dr. Elke Weber

CRED3 Center Renewal Proposal

\$4.5M, National Science Foundation (May 2014 – September 2014); partially awarded

- ▶ Contributed to development of subproject, "Estimating Public Opinion through Social Media Data"
- ▶ Wrote data management plan

Sports, Sustainability, and Happiness in Rio de Janeiro

\$1.5M, Telefónica (June 2013 – October 2014); not awarded

- ▶ Developed 3-year research plan including behavioral experiments, qualitative fieldwork, and in-person surveys

Earth Institute Research Assistantship

\$10k, Columbia University (July 2014 – November 2014); awarded

- ▶ Wrote five successful research assistantship proposals to receive \$10k total in funding

Awards

- NSF IGERT Data to Solutions Fellowship
- U.S. Fulbright nominee
- Burden Award for Meritorious Achievement
- Outstanding Honors Student Award
- Making Strides Toward Sustainability Award
- Phi Theta Kappa Academic Scholarship
- Burgundy and Blue Academic Scholarship
- 1st Place in Psychology for FDU Environmental Psychology Research