

Kathleen Marie Coburn

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EDUCATION Ph.D, University of California, Merced, Merced, CA, 2012 - 2018

Psychological Sciences
Faculty Advisor: Jack L. Vevea, Ph.D.
Committee Members: Sarah Depaoli, Ph.D., Rose Scott, Ph.D.
Area of Study: Quantitative Psychology
GPA: 4.00

B.S., San Jose State University, San Jose, CA, 2007 - 2011

Psychology
GPA: 3.83

PROFESSIONAL POSITIONS Postdoctoral Fellow with the STEPP (Statistics for Evidence-Based Policy and Practice) Center

Supervised by: Elizabeth Tipton, Ph.D., Larry Hedges, Ph.D.

Northwestern University, Evanston, IL, 2019 - present

Council on Library and Information Resources (CLIR)
Postdoctoral Fellow in Data Curation for the Sciences and Social Sciences

Supervised by: Emily Lin, M.S., Head of Digital Curation and Scholarship

University of California, Merced, Merced, CA, 2018 - 2019

COMPETITIVE AWARDS

- William R. Shadish Leadership and Service Award, \$580, 2017
- William R. Shadish Leadership and Service Award, \$280, 2016
- Outstanding Teaching Award, \$1,000, 2015-2016
- GradSLAM! Finalist, \$250, 2015
- San Jose State University Dean's List, Spring 2011

PUBLICATIONS

- [1] Vevea, J. L. & **Coburn, K. M.** (2019). Publication bias. In Valentine, J. (Eds.), *Handbook of Research Synthesis and Meta-Analysis*. Russell Sage Foundation.
- [2] Depaoli, S., Agtarap, S., Choi, A. Y., **Coburn, K. M.**, & Yu, J. (2018). Advances in quantitative research within the psychological sciences. *Translational Issues in Psychological Science*, 4(4), 335-339.
- [3] **Coburn, K. M.** & Vevea, J. L. (2015). Publication bias as a function of study characteristics. *Psychological Methods*, 20(3), 310-330.
- [4] Vevea, J. L. & **Coburn, K. M.** (2015). Maximum-likelihood methods for meta-analysis: A tutorial using *R*. *Group Processes and Intergroup Relations*, 18(3), 329-347.

PAPERS UNDER
REVIEW

- [1] **Coburn, K. M.**, Vevea, J. L., & Zelinsky, N. (*under review*). *weightr*: Weight-function models for publication bias in *R*.

PAPERS IN
PROGRESS

- [1] **Coburn, K. M.** & Vevea, J. L. (*in prep*). Modeling moderators of publication bias.
- [2] Vevea, J. L., Zelinsky, N., & **Coburn, K. M.** (*in prep*). Bayesian estimation of a weight-function model for publication bias.
- [3] Schneider, S., Pardo, J., **Coburn, K. M.**, & Kello, C. (*in prep*). Speech and performance in the Montclair map task.

TEACHING
EXPERIENCE

For more detailed information regarding teaching experience, **see the related section of my website here.**

Instructor of Record:

- Fall 2019, Data Science I (STAT 301), Northwestern University
- Summer 2018, UC Merced Competitive Edge Summer Bridge Program, Statistics Bootcamp Workshop (8 weeks)
- Summer 2017, Introduction to Statistics (PSY 010), UC Merced
- Summer 2017, UC Merced Competitive Edge Summer Bridge Program, Statistics Bootcamp Workshop (8 weeks)
- Summer 2016, Introduction to Statistics (PSY 010), UC Merced

Teaching Assistant:

- Spring 2018, Introduction to Statistics (PSY 010), UC Merced
- Fall 2017, Advanced Psychological Statistics I (PSY 202A), UC Merced
- Spring 2017, Introduction to Statistics (PSY 010), UC Merced
- Fall 2016, Introduction to Statistics (PSY 010), UC Merced
- Spring 2016, Introduction to Statistics (PSY 010), UC Merced
- Fall 2015, Advanced Research Methods in Psychology (PSY 105), UC Merced
- Spring 2015, Introduction to Psychology (PSY 001), UC Merced
- Fall 2014, Introduction to Psychology (PSY 001), UC Merced
- Spring 2014, Introduction to Statistics (PSY 010), UC Merced
- Fall 2013, Behavioral Genetics (PSY 189), UC Merced
- Spring 2013, Introduction to Psychology (PSY 001), UC Merced
- Fall 2012, Introduction to Psychology (PSY 001), UC Merced

Guest Lectures:

- Spring 2017, Introduction to Statistics (PSY 010), UC Merced
- Spring 2016, Introduction to Statistics (PSY 010), UC Merced
- Fall 2015, Advanced Research Methods in Psychology (PSY 105), UC Merced
- Spring 2014, Introduction to Statistics (PSY 010), UC Merced

PRESENTATIONS

- [1] **Coburn, K. M.** & Hamilton, W. K. (2019, March). Meta-analysis and assessing publication bias using R and Jamovi. Seminar accepted at the 40th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, Washington, DC.
- [2] **Coburn, K. M.** & Vevea, J. L. (2016, May). Publication bias as a function of study characteristics. Poster presented at the 28th Annual Association for Psychological Science Annual Convention, Chicago, IL.
- [3] Vevea, J. L. & **Coburn, K. M.** (2015, July). A Web-based implementation of the Vevea & Hedges weight-function model for publication bias. Talk presented at the Society for Research Synthesis Methodology Annual Meeting, Nashville, TN.
- [4] **Coburn, K. M.** (2015, March). [Video of talk available here](#). Publication bias: A two-headed coin? Talk presented at the University of California, Merced Grad-SLAM! Qualifying Round and at the University of California, Merced Grad-SLAM! Finals, Merced, CA.
- [5] **Coburn, K. M.** & Vevea, J. L. (2015, March). A Shiny weight-function model for publication bias. Talk presented at the 3rd Annual University of California, Merced Psychological Sciences Research Symposium, Merced, CA.
- [6] Vevea, J. L. & **Coburn, K. M.** (2015, March). Maximum-likelihood methods for meta-analysis: A tutorial using *R*. Abstract presented during Abstracts, Appetizers, and Art at University of California, Merced, CA.
- [7] **Coburn, K. M.** & Roby, E. (2014, May). Social cognition and the visually impaired: A meta-analysis. Poster presented at the Association for Psychological Science Annual Convention, San Francisco, CA.
- [8] **Coburn, K. M.** & Roby, E. (2014, March). Social cognition and the visually impaired: A meta-analysis. Poster presented during Research Week at University of California, Merced, CA.

SOFTWARE

- [1] **Coburn, K. M.** and Vevea, J. L. (2016) *weightr*: R package for running the Vevea and Hedges (1995) and Vevea and Woods (2005) models for publication bias. CRAN
- [2] **Coburn, K. M.** and Vevea, J. L. (2015) *The Vevea and Hedges Weight-Function Model for Publication Bias*: Online interface for *weightr*. [Web](#)

ACADEMIC
SERVICE

- University of California, Merced**
Graduate student peer mentor, GRAD-EXCELL program, 2017-2018
- University of California, Merced**
Webmaster of the Psychological Sciences Website, 2017-2018
- Special Issue of Translational Issues in Psychological Science**
Associate Editor, 2017-2018
- Graduate Student Association (GSA), UC Merced**
Secretary, 2015-2016
- Quantitative, Analytic, and Computational Consulting, UC Merced**
Statistical Consultant, 2014-2016
- Quantitative Psychology Search Committee, UC Merced**
Graduate Student Representative, 2014-2015

Delegate Assembly, UC Merced

Psychology Graduate Student Representative

Transportation and Parking Services Committee, UC Merced

Graduate Student Representative, 2014-2015

University of San Francisco

Statistical Consultant for Michelle Montagno, Psy. D., 2014-2015

Journal Reviewer

Research Synthesis Methods

Studies in Higher Education

Animals

American Psychologist

Meta-Psychology (open-access)

COMMUNITY
SERVICE

Bill Wilson Center

Contact Cares volunteer (telephone counselor). 2010

UNDERGRADUATE
RESEARCH
EXPERIENCE

San Jose State University – Dr. Clifton Oyamoto

Research Assistant

2009

- Assisted in collecting and coding data for a study on interactions between egalitarian values and right-wing authoritarianism.

PROFESSIONAL
MEMBERSHIPS

Association for Psychological Science (APS), Student Member

STATISTICAL
PROGRAM SKILLS

Extensive Experience:

- R (statistical program)
- Mplus (statistical program)
- SPSS (statistical program)
- SAS (statistical program)

Moderate Experience:

- UNIX (operating system)
- Python (programming language)
- C (programming language)