

# Patrice Renée Cobb Hazam

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CONTACT INFORMATION University of California, Merced (443) 623-4278  
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Merced, CA 95343

RESEARCH INTERESTS Bayesian models, spatiotemporal modeling, longitudinal data analysis, single-case designs

EDUCATION **University of California, Merced**, Merced, CA

Doctoral Student, Psychological Sciences, 2013 - present

- Area of study: Quantitative Psychology
- Advisor: William Shadish, Ph.D & Sarah Depaoli, Ph.D.

**University of California, San Diego - Extension**, San Diego, CA

Certificate, Biostatistics , 2012

**Franklin and Marshall College**, Lancaster, PA

B.A., Special Studies Major: Psychology, Business & Art, 2006

- John Marshall Leadership Institute

AWARDS AND FELLOWSHIPS Student Awards and Fellowships

- William R. Shadish Leadership and Service Award 2016  
*University of California, Merced*
- Psychological Sciences Graduate Student Researcher Award 2016  
*University of California, Merced*
- Psychological Sciences Graduate Student Researcher Award 2015  
*University of California, Merced*
- Research on Evaluation Fellowship, 2014  
*University of California Educational Evaluation Center*
- Psychological Sciences Graduate Student Researcher Award 2014  
*University of California, Merced*
- Psychological Sciences Graduate Award 2014  
*University of California, Merced*

Travel Awards

- Society of Multivariate Experimental Psychology 2014
- Psychological Sciences Travel and Research Award 2014  
*University of California, Merced*

## PUBLICATIONS

1. Gordon, C., **Cobb, P.R.**, Balasubramaniam, R. "Recruitment of the motor system during music listening: An ALE meta-analysis of fMRI data." *PLOS One*, (under review), 2018
2. Depaoli, S., Clifton, J.P., **Cobb, P.R.** "Just Another Gibbs Sampler (JAGS): Flexible Software for MCMC Implementation." *J. Educ. Behav. Stat.*, 41(6), 2016.
3. **Cobb, P.** & Shadish W. Abstract: Assessing Trend in Single Case Designs using Generalized Additive Models. *Multivariate Behavioral Research*, 50, 131, 2015.
4. Feifel, D., MacDonald, K., **Cobb, P.**, Minassian, A. "Adjunctive intranasal oxytocin improves verbal memory in people with schizophrenia." *Schizophr Res.*, 139 (1-3):207-10, 2012.
5. MacDonald K, Wilson M, Minassian A, Vilke G, Becker O, Tallian K, **Cobb, P.**, Perez R, Galangue B, Feifel D. A naturalistic study of intramuscular haloperidol versus intramuscular olanzapine for the management of acute agitation. *J Clin Psychopharmacol.* 2012 Jun;32(3):317-22.
6. Feifel D, Galangue B, MacDonald K, Becker O, Cooper J, Zanto C, Dinca A, **Cobb, P.** A Naturalistic, Single Blind Comparison of Rapid Dose Administration of Divalproex ER Versus Quetiapine in Patients with Acute Bipolar Mania. *Innov Clin Neurosci.* 2011 Jan;8(1):29-35.
7. Feifel D, Macdonald K, Nguyen A, **Cobb, P.**, Warlan H, Galangue B, Minassian A, Becker O, Cooper J, Perry W, Lefebvre M, Gonzales J, Hadley A. Adjunctive intranasal oxytocin reduces symptoms in schizophrenia patients. *Biol Psychiatry.* 2010 Oct 1;68(7):678-80. Epub 2010 Jul 7.
8. MacDonald K, Wilson M, Minassian A, Vilke G, Perez R, **Cobb, P.**, Tallian K, Becker O, Feifel D. A retrospective analysis of intramuscular haloperidol and olanzapine in the treatment of agitation in drug and alcohol-using patients. *Gen Hosp Psychiatry.* 2010 Jul-Aug;32(4):443-5. Epub 2010 Jun 12.
9. Kelley-Baker T, Brainard K, Lacey J, Vishnuvajjala R, **Cobb, P.** Implementing a Citizens DWI Reporting Program Using the Extra Eyes Model. National Highway Traffic Safety Administration (2008).

- PRESENTATIONS
- Modern Modeling Methods (poster) May 2016
  - American Educational Research Association Oct 2015
  - Western Psychological Association Convention, American Psychological Association Cont. Ed. Symposium May 2014
  - Western Psychological Association Convention (poster) April 2014
  - Society for Multivariate Experimental Psychology (poster) Oct 2014
  - Association of Psychological Science (poster) May 2014
  - Biological Psychiatry Annual Meeting (poster) Apr 2013
  - American College of Neuropsychopharmacology (poster) Oct 2011
  - International Society for Biomedical Research on Alcoholism (poster) 2008

RESEARCH EXPERIENCE **Graduate Student Researcher** 2013 to Present  
 Psychological Sciences,  
 University of California, Merced

Advisor(s): William Shadish, Ph.D & Sarah Depaoli, Ph.D  
 Pre-candidacy Project: Assessing Trend in Single Case Designs Using Generalized Additive Models  
 Candidacy thesis: Assessing dispersion in count data  
 Dissertation topic: Intensive longitudinal data analysis using dynamic latent class analysis

**Research Associate** 2008 to 2013  
 Neuropsychopharmacology Laboratory,  
 University of California, San Diego  
 Supervisors: David Feifel, M.D., Ph.D

- Worked with animal models to develop better treatments for brain disorders, such as schizophrenia.
- Performed data analysis of lab data for publications and presentations.

**Transcranial Magnetic Stimulation Technician** 2009 to 2013  
 Neuropsychiatry and Behavioral Medicine,  
 University of California, San Diego  
 Supervisors: David Feifel, M.D., Ph.D

- Certified by The NeuroStar University Clinical Training Program for TMS Therapy.
- Locate patient motor threshold and perform routine treatments.

**Clinical Research Associate** 2008 to 2013  
 Neuropsychiatry and Behavioral Medicine,  
 University of California, San Diego  
 Supervisors: David Feifel, M.D., Ph.D

- Assist in technical determinations and/or make technical observations in one or more fields of scientific endeavor that yield technical data about the phenomena under investigation. The technical data

yielded are used primarily for research and teaching, but the data may also relate to public service, such as patient care.

- Perform statistical analysis of research data and maintain electronic databases.
- Develop research plans aimed to investigate a real world phenomena.
- Perform laboratory and field experimental procedures in support of academically-supervised research and teaching in neuropsychiatry and behavioral medicine.

**Research Assistant**

2006 to 2008

Pacific Institute for Research and Evaluation,

Supervisors: John Lacy, Mph & Katharine Brainard

- Developed a user friendly interface using Visual Basic and C++ programming language to collect and synchronize data from sites across the nation.
- Assisted Principal Investigator and in day-to-day coordination of several research projects, including site selection, data collection, and analysis.
- Helped create a training program for data collectors.
- Conducted complex survey research in the field, including the collection of blood alcohol levels and oral fluid samples.

WORK IN  
PROGRESS

1. **Cobb, P.**, Shadish, W., Depaoli, S.(in preparation). Methods for Handling Under-Dispersed Data in Count Outcomes
2. Collaborative Research: Brain Mechanisms of Rhythm Perception: The Impact of the Motor System on Auditory Perception. (P.I. Ramesh Balasubramaniam, Ph.D, funding by the National Science Foundation)
3. Dicey-Jennings, C., Kyrilov, A., **Cobb, P.**, Vlasits, J., Vinson, D.,Montes, E. and Franco, C. (in preperation). Academic Placement Data and Analysis in Philosophy (Funded by the American Philosophical Association)
4. **Cobb, P.** (in preparation). The Effects of Oxytocin on Social Cognition in Schizophrenia and Autism Spectrum Disorders: A Meta-Analysis

TEACHING  
EXPERIENCE

Teaching Certifications:

Developing Teaching Strategies

Spring 2016

- Critical Thinking

- Active Learning Strategies
  - Best Practices for Large Classrooms
  - Best Practices for Small Group Discussions
- Improving Teaching by Assessing Learning Fall 2015
- Curriculum Design
  - Designing Rubrics
  - Instructional Assessment and Student Evaluations
  - How to Write a Teaching Statement
- Center for Engaged Teaching and Learning Intern Fall 2015 - cont  
Teaching Assistant:
- Research Methods in Psychology Spring 2017  
Instructor: Alexander Khislavsky, Ph.D  
Psychological Sciences,  
University of California, Merced
- Analysis of Psychological Data Fall 2016  
Instructor: Alexander Khislavsky, Ph.D  
Psychological Sciences,  
University of California, Merced
- Introduction to Psychology Spring 2014  
Instructor: Ross Avilla, Ph.D  
Psychological Sciences,  
University of California, Merced
- Abnormal Psychology Fall 2013  
Instructor: James McDiarmid, Ph.D  
Psychological Sciences,  
University of California, Merced
- Guest Lecturer Fall 2013  
Epidemiology and Etiology of Schizophrenia  
Instructor: James McDiarmid, Ph.D  
Psychological Sciences,  
University of California, Merced

**HARDWARE & SOFTWARE SKILLS**    Computer Programs: R project; SAS; SPSS; HLM; M-Plus; OpenBUGS; WinBUGS; JAGS; Latex; BrainMap; Some previous experience in C++, SQL, and MATLAB