

William Kyle Hamilton

CONTACT INFORMATION

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EDUCATION

University of California, Merced, Merced, CA

Doctoral Student, Psychological Sciences, 2015-present
Faculty Advisor: [Linda Cameron](#), Ph.D.
Area of Study: Health Psychology

University of California, Merced, Merced, CA

Bachelor of Arts, Psychology, June 2012
Minor: Political Science

Reedley College, Reedley, CA

Associate of Arts, Social Science, August 2010
Cum Laude

RESEARCH EXPERIENCE

University of California, Merced - Health Communications and Interventions Lab

Research Assistant

August 2011 to August 2015

- Analyzed data for ongoing health related studies.
- Collected and organized data for graduate student projects.
- Led workshops covering R and Amazon Mechanical Turk.
- Performed in-depth literature reviews on health related topics.
- Managed a team of 7 coders on an emotional expression project including scheduling, inter-rater reliability, and preliminary results generation.
- Organized and designed the cameronhclab.com website.

University of California, Merced - Dr. Sarah Depaoli

Research Assistant

June 2014 to August 2015

- Setup cluster computing systems on Amazon Web Services for graduate student simulation projects.
- Organized a distributed computer system to cost effectively run computationally intensive models.
- Prepared documents and figures for publication in L^AT_EX.
- Designed a system for removing MPlus errors from simulation data.
- Assisted graduate students with data cleaning and other tasks as assigned.
- Organized and designed the sarahdepaoli.com website.

TEACHING EXPERIENCE

University of California, Merced
Teaching Assistant Experience

Fall 2015 Psy 156 Undergraduate Social Psychology

Spring 2016 Psy 158 Undergraduate Positive Psychology

Guest Lecturing Experience

Fall 2014 Poli 213 Graduate Experimental Methods Political Science

Lecture: [Mechanical Turk Best Practices and Methods](#)

Fall 2015 Psy 156 Undergraduate Social Psychology

Lecture: Love and Close Relationships

CONFERENCE PRESENTATIONS

- [1] **Hamilton, W.** and Aydin, B. (2016). *MAVIS: Meta Analysis via Shiny*. Lightning Talk presented at the 12th Annual R Users Conference, Stanford, CA.
- [2] **Hamilton, W.** and Cameron, L. (2016). *Exposure to Adverse Childhood Experiences Increases the Occurrence of Anxious and Avoidant Attachment Styles*. Poster presented at the Association for Psychological Science 28th Annual Convention, Chicago, IL.
- [3] **Hamilton, W.** (2014). *Perceptions of Electronic Cigarettes*. Poster presented at the Association for Psychological Science 26th Annual Convention, San Francisco, CA.
- [4] Carroll, P and **Hamilton, W.** (2014). *Positive Discipline Parenting Scale: Reliability and Validity of a Measure*. Poster presented at the Association for Psychological Science 26th Annual Convention, San Francisco, CA.

PEER REVIEWED PUBLICATIONS

- [1] Carroll, P and **Hamilton, W.** (2016). Positive Discipline Parenting Scale: Reliability and Validity of a Measure. *Journal of Individual Psychology*.

MANUSCRIPTS IN PREPARATION

- [1] **Hamilton, W.** and Cameron, L. (2016) MAVIS: An R package and Shiny application for running a meta-analysis.

SOFTWARE

- [1] **Hamilton, W.** (2016) *lavaan.shiny*: R package for running latent variable analysis though an interactive web interface with Shiny. [CRAN](#)
- [2] **Hamilton, W.** and Mizumoto, A. (2015) *CTTShiny*: R package for running item analysis though an interactive web interface with Shiny. [CRAN](#)
- [3] **Hamilton, W.** and Mizumoto, A. (2014) *IRTShiny*: R package for running item response theory analysis though an interactive web interface with Shiny. [CRAN](#)
- [4] **Hamilton, W.**, Aydin, B. and Mizumoto, A. (2014) *MAVIS*: R package for running a meta-analysis though an interactive web interface with Shiny. [CRAN](#)
- [5] **Hamilton, W.** and Mizumoto, A. (2014) *PACA*: R package for running principal component analysis though an interactive web interface with Shiny. [GitHub](#)
- [6] **Hamilton, W.** (2014) *RCryptsy* †: R package for accessing information from the Cryptsy crypto currency exchange API. [CRAN](#)
- [7] **Hamilton, W.** (2014) *RStars* †: R package for accessing the American Museum of Natural History's Digital Universe Dataset API [CRAN](#)

†: Part of the [rOpenScience](#) project.

WORKSHOPS AND TUTORIALS	<p><i>How to Write a Teaching Statement ‡</i> March 8th, 2016 at the University of California, Merced. Workshop Leader, Part of the Teaching Matters workshop series dedicated to composing a teaching statement for graduate students as they prepare for the academic job market.</p> <p><i>Mechanical Turk and Amazon Web Services Workshop</i> February 3rd, 2014 at the University of California, Merced. Workshop Leader, Workshop geared towards social science researchers who had never used Amazon Web Services or Mechanical Turk. Emphasis placed on political science research methods.</p> <p><i>Mechanical Turk and Amazon Web Services Workshop</i> December 5, 2013 at the University of California, Merced. Workshop Leader, Workshop geared towards social science researchers who had never used Amazon Web Services or Mechanical Turk. Emphasis placed on psychological science research methods.</p>
	<p>‡: Part of the Center for Engaged Teaching and Learning.</p>
INVITED PANELS AND TALKS	<p><i>Degree Attainment for Returning and Transfer Scholars (DARTS) Panel</i> September 4, 2014 at the University of California, Merced. Alumni Participant, Panel discussion with UC President Janet Napolitano covering the challenges facing Community College transfer students.</p> <p><i>ASCEND Conference: On and Off-Campus Opportunities Every Student Should Know</i> August 26, 2014 at the University of California, Merced. Alumni Participant, New student orientation shared experiences on and off campus, explained campus opportunities in research, community volunteering, and career resources.</p> <p><i>Fiat Lux Alumni Panel - Calvin E. Bright Success Center</i> March 31, 2014 at the University of California, Merced. Alumni Participant, Panel discussion with first generation college students on adapting to life at the University.</p> <p><i>Alumni Career Chat: Research</i> March 13, 2014 at the University of California, Merced. Alumni Participant, Career panel for students at UC Merced to learn more about research opportunities on campus.</p>
UNIVERSITY SERVICE	<p>Director of Environmental Health and Safety Search Committee Student Representative, University of California, Merced. 2016.</p> <p>Graduate Visitation Weekend Organizing Committee Member, Psychological Sciences Graduate Group. 2016.</p> <p>Vice Chancellor for Student Affairs Search Committee Student Representative, University of California, Merced. 2016.</p> <p>Scholarship Award and Application Review Committee Member, University of California Merced Alumni Association. 2015-2017.</p> <p>WSCUC Steering Committee for Reaffirmation of Accreditation Student Representative, University of California, Merced. 2015-2016.</p>

	<p><i>Alumni Outreach and Giving Committee</i> Member, University of California Merced Alumni Association. 2015-2016.</p> <p><i>Chancellor's Innovation Awards Screening Committee</i> Staff Representative, University of California, Merced. 2015.</p> <p><i>Office of Student Life Leadership Awards Screening Committee</i> Staff Representative, University of California, Merced. 2015.</p> <p><i>Assistant Vice Chancellor for Development and Alumni Relations Search Committee</i> Alumni Representative, University of California, Merced. 2014.</p> <p><i>Student Alumni Relations Committee</i> Chair, University of California Merced Alumni Association. 2013-2015.</p> <p><i>University of California, Merced Alumni Association</i> Board Member, University of California, Merced. 2013-2015, 2015-2017.</p> <p><i>Provost and Executive Vice Chancellor Search Committee</i> Student Representative, University of California, Merced. 2011-2012.</p> <p><i>Fellowships and Undergraduate Research Symposium</i> Chair, University of California, Merced. 2011-2012.</p> <p><i>Undergraduate Council</i> Student Representative, University of California, Merced. 2010-2012.</p> <p><i>Accreditation Steering Committee</i> Student Representative, Clovis Community College. 2008-2009.</p>
COMMUNITY SERVICE	<p><i>Merced County Advisory Board on Alcohol and Other Drug Problems</i> Board Member, Merced County Board of Supervisors. 2013-2015.</p>
PROFESSIONAL SERVICE	<p><i>Association for Psychological Science</i> Mentor, Association for Psychological Science Mentorship Program. 2016. Mentor, Association for Psychological Science Mentorship Program. 2015. Reviewer, Researching Injustice and Social Equality (RISE) Award. 2015. Reviewer, APSSC Student Grant Competition. 2015.</p> <p><i>Packt Publishing</i> Reviewer, Resnizky, H. (2015). Learning Shiny. Birmingham, United Kingdom: Packt Publishing. ISBN: 978-1-785-28090-0</p> <p><i>University of California, Merced</i> Consultant, Quantitative, Analytic, and Computational Consulting Group. 2015-2016.</p> <p><i>Ad Hoc Reviewer</i> Journal of Open Research Software, Nicotine & Tobacco Research, R Journal</p>
PROFESSIONAL MEMBERSHIPS	<p>Foundation for Open Access Statistics, Member, 2015–present</p> <p>rOpenScience, Community Member, 2014–present</p> <p>Association for Psychological Science (APS), Student Member, 2013–present</p> <p>American Psychological Association, Student Member (APA), 2012–present</p> <ul style="list-style-type: none"> • Division 32 Health Psychology, Student Member, 2012–present

ADDITIONAL TRAINING	<p><i>Santa Fe Institute – Summer 2016</i></p> <ul style="list-style-type: none"> • Introduction to Dynamical Systems and Chaos <i>David Feldman Ph.D., College of the Atlantic</i> <p><i>ACM Professional Development Seminar – Spring 2012</i></p> <ul style="list-style-type: none"> • An Introduction to R for Software Developers and Data Analysts <i>Rob Kabacoff Ph.D. Management Research Group</i> <p><i>Western Regional LGBTQIA Conference – Spring 2012</i></p> <ul style="list-style-type: none"> • Teaching LGBTQIA College-Level Courses <i>Gayle Pitman Ph.D., Sacramento City College</i> <p><i>Western Psychological Association 92nd Annual Convention – Spring 2012</i></p> <ul style="list-style-type: none"> • An Introduction to Item Response Theory <i>Andrew Ainsworth Ph.D., CSU Northridge</i> • Item Response Theory: A Modern Direction for Personality Measurement <i>Tim W. Gaffney, California Department of Education</i>
ACADEMIC AWARDS	<p>University of California, Merced</p> <ul style="list-style-type: none"> • Undergraduate Service to Student Affairs, Spring 2012 • Chancellor’s Honor List, Spring 2012 • Dean’s Honor List, Fall 2011 • Psi Chi Honor Fraternity, Fall 2011 • Dean’s Honor List, Spring 2011 <p>Reedley College</p> <ul style="list-style-type: none"> • Dean’s Honor List, Spring 2010 • Dean’s Honor List, Fall 2009 • Dean’s Honor List, Fall 2008
FELLOWSHIP AWARDS	<p>University of California, Merced</p> <ul style="list-style-type: none"> • John & Victoria Elia Fellowship, 2015-2016 – \$4,000 • Psychological Sciences Graduate Student Summer Research Award, 2016 – \$4,232 • Psychological Sciences Graduate Student Research Award, 2016 – \$400 • William R. Shadish Award for Leadership and Service, 2016 – \$400
COMPUTER SKILLS	<p>Computational Modeling:</p> <ul style="list-style-type: none"> • lavaan, MPlus, NetLogo <p>Editing and Professional Writing Software:</p> <ul style="list-style-type: none"> • L^AT_EX <p>Statistical Analysis:</p> <ul style="list-style-type: none"> • R, SPSS
LICENSES AND CERTIFICATIONS	<p><i>Center for Engaged Teaching and Learning at UC Merced</i> Certificate in General Pedagogy – 2015</p> <p><i>Federal Communications Commission</i> Amateur Radio License, Technician Class, 2000-2020.</p>