

William Kyle Hamilton

CONTACT INFORMATION

School of Social Sciences, Humanities and Arts
Psychological Sciences
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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 Latex.
- 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 POSTERS

- [1] **Hamilton, W.** and Aydin, B. (2016). MAVIS: Meta Analysis via Shiny. Poster presented at the 12th Annual R User 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 *How to Write a Teaching Statement* ‡
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.

Mechanical Turk and Amazon Web Services Workshop
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.

Mechanical Turk and Amazon Web Services Workshop
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.

‡: Part of the [Center for Engaged Teaching and Learning](#).

INVITED PANELS AND TALKS *Degree Attainment for Returning and Transfer Scholars (DARTS) Panel*
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.

Fiat Lux Alumni Panel - Calvin E. Bright Success Center
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.

Alumni Career Chat: Research
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.

UNIVERSITY SERVICE **Graduate Visitation Weekend Organizing Committee**
Member, Psychological Sciences Graduate Group. 2016.

Vice Chancellor for Student Affairs Search Committee
Alumni Representative, University of California, Merced. 2016.

WSCUC Steering Committee for Reaffirmation of Accreditation
Student Representative, University of California, Merced. 2015-2016.

Chancellor's Innovation Awards Screening Committee
Staff Representative, University of California, Merced. 2015.

Office of Student Life Leadership Awards Screening Committee
Staff Representative, University of California, Merced. 2015.

Scholarship Award and Application Review Committee
Member, University of California Merced Alumni Association. 2015-2016.

Alumni Outreach and Giving Committee
Member, University of California Merced Alumni Association. 2015-2016.

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| | <p>Assistant Vice Chancellor for Development and Alumni Relations Search Committee Alumni Representative, University of California, Merced. 2014.</p> <p>Student Alumni Relations Committee Chair, University of California Merced Alumni Association. 2013-2015.</p> <p>University of California, Merced Alumni Association Board Member, University of California, Merced. 2013-2015, 2015-2017.</p> <p>Provost and Executive Vice Chancellor Search Committee Student Representative, University of California, Merced. 2011-2012.</p> <p>Fellowships and Undergraduate Research Symposium Chair, University of California, Merced. 2011-2012.</p> <p>Undergraduate Council Student Representative, University of California, Merced. 2010-2012.</p> |
| COMMUNITY SERVICE | <p>Merced County Advisory Board on Alcohol and Other Drug Problems Board Member, Merced County Board of Supervisors. 2013-2015.</p> |
| PROFESSIONAL SERVICE | <p>Association for Psychological Science Mentor, Association for Psychological Science Mentorship Program. 2016. Reviewer, Researching Injustice and Social Equality (RISE) Award. 2015. Reviewer, APSSC Student Grant Competition. 2015.</p> <p>Packt Publishing Reviewer, Resnizky, H. (2015). Learning Shiny. Birmingham, United Kingdom: Packt Publishing. ISBN: 978-1-785-28090-0</p> <p>Ad Hoc Reviewer 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 |
| 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, \$4,000, 2015-2016. |

COMPUTER SKILLS Data and Numerical Analysis:

- R, SPSS

Editing and Professional Writing Software:

- L^AT_EX

LICENSES AND
CERTIFICATIONS

Center for Engaged Teaching and Learning at UC Merced

Certificate in General Pedagogy – 2015

Federal Communications Commission

Amateur Radio License, Technician Class, 2000-2020.