

Ashley Kuelz
 The University of Arizona
 Division of Family Studies and Human Development
 650 N. Park Ave
 Tucson, AZ 85719
 Email: akuelz@email.arizona.edu

EDUCATION

- Ph.D.** **The University of Arizona**, Tucson, AZ (*expected*) 2023
 Family Studies and Human Development
Advisor: Emily A. Butler, Ph.D.
Minor: Statistics; **Advisor:** Jacobus (Kobus) Barnard, Ph.D.
- M.S.** **The University of Arizona**, Tucson, AZ Spring 2020
 Family Studies and Human Development
Advisor: Emily A. Butler, Ph.D.
Thesis: *The TIES That Matter: A Dynamic Approach to Assessing Physiological Linkage Within Different Emotional Contexts*
- B.A.** **The University of Tennessee**, Knoxville, TN Fall 2017
 Psychology, *Cum Laude*
Advisor: Jeff T. Larsen
Minor: Statistics

AWARDS

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|---|-------------------|
| Master's Level Meritorious Graduate Teaching Assistant Award, <i>UA</i> | 2021 |
| Ruth Cowden Scholarship, <i>UA</i> | 2018 – 2020 |
| Amy Jean Knorr Scholarship, <i>UA</i> | 2018 – 2019 |
| General Electric Scholarship Program | 2014 – 2017 |
| Pledge Scholarship, <i>UT</i> | 2014 – 2017 |
| Hope Scholarship with ASPIRE Supplement | 2014 – 2017 |
| Hope ASPIRE Summer Scholarship | Summer 2015, 2016 |
| <i>Travel Awards</i> | |
| Frances McClelland Institute/Graduate Committee Gift (\$750) | 2018 |
| Graduate and Professional Student Council (\$200) | 2018 |

RESEARCH INTERESTS

Relationships and health
 Interpersonal emotion systems
 Experiential and physiological correlates associated with physical and mental wellbeing
 Dynamic systems modeling of emotion processes in close relationships

PEER REVIEWED JOURNAL ARTICLES

- Kuelz, A.**, Boyd, S., & Butler, E. (*In Press*). Close TIES in Relationships: A Dynamic Systems Approach for Modeling Physiological Linkage. *Journal of Social and Personal Relationships*
- Boyd, S.M., **Kuelz, A.**, Page-Gould, E., Butler, E., & Danyluck C. (2022). An exploratory study of physiological linkage among strangers. *Frontiers in Neuroergonomics*, 2:751354. <https://doi.org/10.3389/fnrgo.2021.751354>
- Li, X., **Kuelz, A.**, Boyd, S., August, K., Markey, C., & Butler, E. (2021). Exploring Physiological Linkage in Same-Sex Male Couples. *Frontiers in Psychology*, 11, 1-15. <https://doi.org/10.3389/fpsyg.2020.619255>
- Coles, N.A., Larsen, J.T., Kuribayashi, J., & **Kuelz, A.** (2019). Does Blocking Facial Feedback via Botulinum Toxin Injections Decrease Depression? A Critical Review and Meta-Analysis. *Emotion Review* 11(4), 294-309. <https://doi.org/10.1177/1754073919868762>
- In Progress*
- Boyd, S.M., **Kuelz, A.**, Barnard, K., Pyaralel, A., Morrison, C., Sharp, B.,.... & Butler, E.A. (*In Progress*). Biopsychosocial artificial intelligence: How can humans and computers work together?

CONFERENCE PRESENTATIONS

- Kuelz, A.**, Boyd, S., & Butler, E. (2022). *Exploring Dynamic Patterns of Interpersonal Emotion Coordination in Close Relationships*. Poster accepted to the International Society for Research on Emotion, Los Angeles, California.
- Kuelz, A.**, Boyd, S., & Butler, E. (2022). *Close TIES in Relationships: A Nonlinear Approach to Modeling Physiological Linkage and Interpersonal Dynamics*. Poster accepted to the Society for Personality and Social Psychology, San Francisco, California.
- Kuelz, A.**, & Butler, E. (2021). *Interpersonal Dynamics of Parasympathetic Function: Connections to Empathy and Closeness*. In A. Kuelz & E. Butler (Chairs), *Precursors and Outcomes of Biological Interdependence*. Symposium paper presented at the annual conference of the Society for Psychophysiological Research, Prague, Czech Republic.
- Kuelz, A.**, & Butler, E. (2020). *Affect, Stress, and Sweat: The Impact of Emotional Context on the Association Between Electrodermal Activity and General Stress*. Poster accepted to the Society for Psychophysiological Research, Vancouver, BC, Canada.
- Kuelz, A.**, & Butler E. (2020). *An Approach to Understanding the Dynamics of Between-Person Emotional Coordination*. Poster accepted to the Society for Affective Science, San Francisco, California. (Conference canceled)
- Kuelz, A.**, Boyd, S., & Butler, E. (2019). *A New R Package for Estimating Patterns of Physiological Linkage*. Poster accepted to the Society for Psychophysiological Research, Washington, D.C.

- Boyd, S., Yee, C., **Kuelz, A.**, Shiota, M., & Butler, E. (2019). *Estimating Patterns of Physiological Linkage Utilizing the New R Package, rties*. Poster presented at the Society for Psychophysiological Research, Washington, D.C.
- Kuelz, A.**, Boyd, S., & Butler, E. (2019). *Coordination Patterns of Respiratory Sinus Arrhythmia (RSA) and Emotional Experience (EE) as Predictors of General Stress in Couples*. Poster presented at the Society for Personality and Social Psychology, Portland, Oregon.
- Boyd, S., **Kuelz, A.**, & Butler, E. (2019). *Inertia of Autonomic Markers as Predictors of Stress*. Poster presented at the Society for Personality and Social Psychology, Portland, Oregon.
- Coles, N.A., Larsen, J.T., Kuribiyashi, J., & **Kuelz, A.** (2019). *Do glabellar-region botulinum toxin injections decrease depression? A comprehensive meta-analysis*. Poster presented at the Society for Personality and Social Psychology, Portland, Oregon.
- Kuribiyashi, J., **Kuelz, A.**, Coles, N., & Larsen, J.T. (2018). *A meta-analysis of the facial feedback hypothesis literature*. Poster presented at the Women in STEM research symposium at the University of Tennessee, Knoxville.
- Kuelz, A.**, Kuribiyashi, J., Coles, N., & Larsen, J.T. (2018). *A Meta-Analytic Review of the Facial Feedback Hypothesis: Effects of facial expressions on emotional experience are reliable, small, and vary in magnitude*. Poster presented at University of Tennessee, Knoxville Exhibition of Undergraduate Research and Creative Achievement (EUR̄CA)
- Kuelz, A.**, Kuribiyashi, J., Harp, N., Coles, N., & Larsen, J.T. (2017). *Do facial expressions influence affective experience? A meta-analysis*. Poster session presented at University of Tennessee, Knoxville Discovery Day.

RESEARCH EXPERIENCE

- Graduate Research Associate** 2021 – Present
Targeting interpersonal emotion dynamics as a mechanism for increasing wellbeing in romantic couples, Supervisor: *Emily Butler, Ph.D. University of Arizona* (Binational Science Foundation)
- Graduate Research Associate** 2020 – Present
Response System Coherence in Emotion, Supervisors: *Emily Butler, Ph.D. University of Arizona, Iris Mauss, Ph.D., University of California, Berkeley* (National Science Foundation Award # 1941868)
- Graduate Research Assistant** 2019 – 2020
ToMCAT ASIST Project, Supervisors: *Emily Butler, Ph.D., Kobus Barnard, Ph.D., University of Arizona* (Defense Advanced Research Projects Agency Contract W911NF2010002)
- Graduate Research Assistant** 2018 – 2019
Healthy Interpersonal Systems Laboratory, University of Arizona
- Undergraduate Research Assistant**
Affect and Emotion Laboratory, University of Tennessee 2016 – 2018

TEACHING EXPERIENCE

Graduate Instructor

Intermediate Statistical Analysis (graduate-level)	Spring 2022
Statistical Inference for Social Science (graduate-level)	Fall 2020, Fall 2021

Co-Instructor

Introduction to Statistics (online)	SSI 2019, SSI 2020, SSI 2021
Dynamics of Family Relationships (online)	SSI 2020, SSI 2021
Close Relationships (online)	SSI 2021

Guest Lecturer

Dyadic Data Analysis (graduate-level); Emily Butler, Ph.D.	Sept. 2021
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Teaching Assistantships

The Science of Textiles; Laura Tanzer, MBA	SSII 2020
Dynamics of Family Relationships; Darin Knapp, Ph.D.	Fall 2019

Mentoring

Temporal Interpersonal Emotion Systems Laboratory, UA	Summer 2020
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Teaching Training

Graduate Assistant Teaching Orientation, UA	Aug. 2018
Teaching Assistant Training, UA	Aug. 2018
Learner Centered Teaching for Online Delivery, UA	Spring 2019

SERVICE AND OUTREACH

Extramural: National Service

<i>Ad-hoc reviewer</i> , <i>Frontiers in Psychology</i> ,	2019 – 2021
<i>Journal of Personality and Social Psychology</i> , <i>International Journal of Psychophysiology</i> ,	
<i>Journal of Social and Personal Relationships</i> , <i>BioMed Central Psychology</i>	

Extramural: Local/State (Arizona) Service

<i>Judge</i> , Southern Arizona Regional Science and Engineering Foundation	2019 – 2020
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Intramural: Division of Family Studies & Human Development Service

<i>Judge</i> , Graduate and Professional Student Council, Student Showcase	2021
<i>Graduate Committee Graduate Representative</i> , UA	2021 – Present
<i>Undergraduate Committee Graduate Representative</i> , UA	2020 – 2021
Member, Family Studies Student Round Table, UA	2018 – Present

Intramural: University of Tennessee Service

<i>Mentor</i> , Freshman Cohort Peer Mentor, UT	2017 – 2018
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Professional Memberships

Society for Personality and Social Psychology	2017 – Present
Society for Psychophysiological Research	2018 – Present
Society for Affective Science	2019 – Present
International Society for Research on Emotion	2021 – Present

Professional Development

Multi-level Modeling Workshop (SPR Pre-Conference)	October 2021
<i>Contributor, rties</i> Package	2019 – Present
NSF Responsible Conduct of Research Training	March 2021
Close Relationships Pre-Conference	Feb. 2019
<i>Society for Personality and Social Psychology, Portland, OR</i>	
Healthy Interpersonal Systems Reading Group	Spring 2019
ASIST Conference	Dec. 2019
Latent Class and Profile Analysis Workshop (2 sessions)	Sept. 2018
Lab Manager	Summer 2018
<i>Affect and Emotion Laboratory, University of Tennessee</i>	
Summer Research Scholar Program	Summer 2017
<i>Affect and Emotion Laboratory, University of Tennessee</i>	

TECHNICAL SKILLS

Programming languages: R, Matlab
 Other: SPSS, MindWare, E-Prime, Mac OS, Windows OS

REFERENCES

Emily Butler, Ph.D.
 Professor
 University of Arizona
 Family Studies & Human Development
 Email: eabutler@email.arizona.edu

Jacobus (Kobus) Barnard, Ph.D.
 Professor
 University of Arizona
 Department of Computer Science
 Email: kobus@email.arizona.edu

John Allen, Ph.D.
 Distinguished Professor
 University of Arizona
 Department of Psychology
 Email: John.JB.Allen@arizona.edu

Melissa Curran, Ph.D.
 Professor
 University of Arizona
 Family Studies & Human Development
 Email: macurran@email.arizona.edu