

Daniel E. Forster

Curriculum Vitae

PERSONAL INFORMATION

Address: 1865 79th Street Causeway, 14i
North Bay Village, FL 33141
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Website: deforster.github.io

EDUCATION

2018 Ph.D. in Psychology, University of Miami
Concentration in Quantitative Psychology
2015 M.S. in Psychology, University of Miami
2011 B.A. in Psychology with High Honors, University of California, Santa Barbara
Minor in Anthropology

EMPLOYMENT

2019 – Present Research Psychologist, CCDC Army Research Laboratory, Human Research and Engineering Directorate
2022 – Present Adjunct Professor, University of Miami
2023 – Present Adjunct Professor, Yeshiva University
2018 – 2019 Postdoctoral Fellow, CCDC Army Research Laboratory, Human Research and Engineering Directorate
2018 Lecturer, Department of Biochemistry and Molecular Biology, University of Miami Miller School of Medicine

FUNDED GRANTS

2016 University of Miami, College of Arts & Sciences Dean's Graduate Student Summer Research Fellowship (\$5,000)
2013 University of Miami, Department of Psychology/Fred C. and Helen Donn Flipse Research Support Fund (\$1,000)

AWARDS AND HONORS

2018 University of Miami, Department of Psychology Bertha Weber Graduate Student Appreciation Award

- 2017 University of Miami, Graduate School Outstanding Graduate Teaching Assistant Award
- University of Miami, Department of Psychology Outstanding Teaching Assistant Award
- 2016 University of Miami, Department of Psychology S.T. Calvin Award for Excellence in the Application of Statistical Methods
- 2013 NSF Graduate Research Fellowship, *Honorable Mention*

PEER-REVIEWED PUBLICATIONS

- Billingsley, J., **Forster, D. E.**, Russel, V. M., Burnette, J. L., Smith, A., Ohtsubo, Y., Lieberman, D. & McCullough, M. E. (2023). Perceptions of relationship value and exploitation risk mediate the effects of transgressors' post-harm communication upon forgiveness. *Evolution and Human Behavior*, 44(2), 68-79. <https://doi.org/10.1016/j.evolhumbehav.2023.02.012>
- Krausman, A., Neubauer, C., **Forster, D. E.**, Lakhmani, S., Baker, A. L., Fitzhugh, S. M., Gremillion, G., Wright, J. L., Metcalfe, J. S., & Schaefer, K. E. (2022). Trust measurement in human-autonomy teams: Development of a conceptual toolkit. *ACM Transactions in Human-Robot Interaction*, 11(3), 1-58. <https://doi.org/10.1145/3530874>
- Forster, D. E.**, Pedersen, E. J., McCullough, M. E., & Lieberman, D. (2022). Evaluating benefits, costs, and social value as predictors of gratitude. *Psychological Science*. <https://doi.org/10.1177/09567976211031215>
- Forster, D. E.**, Billingsley, J., Burnette, J., Ohtsubo, Y., Lieberman, D., & McCullough, M. E. (2021). Experimental evidence that apologies promote forgiveness by communicating relationship value. *Scientific Reports* 11, 13107. <https://doi.org/10.1038/s41598-021-92373-y>
- Baker, A. L., Fitzhugh, S. M., Huang, L., **Forster, D. E.**, Scharine, A., Neubauer, C., Lematta, G., Bhatti, S., Johnson, C. J., Krausman, A., Holder, E., Schaefer, K. E., & Cooke, N. J. (2021). Approaches for assessing communication in human-autonomy teams. *Human-Intelligent Systems Integration*. <https://doi.org/10.1007/s42454-021-00026-2>
- Cohen Hoffing, R. A., Lauharatanahirun, N., **Forster, D. E.**, Garcia, J. O., Vettel, J. M., & Thurman, S. M. (2020). Dissociable mappings of tonic and phasic pupillary features onto cognitive processes involved in mental arithmetic. *PLoS ONE* 15(3): e0230517. <https://doi.org/10.1371/journal.pone.0230517>
- Forster, D. E.**, Billingsley, J., Russel, V. M., McCauley, T. G., Smith, A., Burnette, J. L., Ohtsubo, Y., Schug, J., Lieberman, D. & McCullough, M. E. (2020). Forgiveness takes place on an attitudinal continuum from hostility to friendliness: Toward a closer union of forgiveness theory and measurement. *Journal of Personality and Social Psychology*, 119(4), 861-880. <https://doi.org/10.1037/pspi0000227>

- McAuliffe, W. H. B., **Forster, D. E.**, Pedersen, E. J., & McCullough, M. E. (2019). Does cooperation in the laboratory reflect the operation of a broad trait? *European Journal of Personality*, 33(1), 89-103. <https://doi.org/10.1002/per.2180>
- Bainter, S. A. & **Forster, D. E.** (2019). The impact of moderate priors for Bayesian estimation and testing of item factor analysis models when maximum likelihood is unsuitable. *Structural Equation Modeling: A Multidisciplinary Journal*, 26(1), 80-93. <https://doi.org/10.1080/10705511.2018.1505521>
- McAuliffe, W. H. B., **Forster, D. E.**, Pedersen, E. J., & McCullough, M. E. (2018). Experience with anonymous interactions reduces intuitive cooperation. *Nature Human Behaviour*, 2(12), 909-914. <https://doi.org/10.1038/s41562-018-0454-9>
- McAuliffe, W. H. B., **Forster, D. E.**, Philippe, J., & McCullough, M. E. (2018). Digital altruists: Resolving key questions about the empathy–altruism hypothesis in an Internet sample. *Emotion*, 18(4), 493-506. [10.1037/emo0000375](https://doi.org/10.1037/emo0000375)
- Smith, A., Pedersen, E. J., **Forster, D. E.**, McCullough, M. E., & Lieberman, D. (2017). Cooperation: The roles of interpersonal value and gratitude. *Evolution and Human Behavior*, 38(6), 695-703. [10.1016/j.evolhumbehav.2017.08.003](https://doi.org/10.1016/j.evolhumbehav.2017.08.003)
- Forster, D. E.**, Pedersen, E. J., Smith, A., McCullough, M. E. & Lieberman, D. (2017). Benefit valuation predicts gratitude. *Evolution and Human Behavior*, 38(1), 18-26. [10.1016/j.evolhumbehav.2016.06.003](https://doi.org/10.1016/j.evolhumbehav.2016.06.003)
- Krimsky, M., **Forster, D. E.**, Llabre, M. M., & Jha, A. P. (2017). The influence of time on task on mind wandering and visual working memory. *Cognition* 169, 84-90. <http://dx.doi.org/10.1016/j.cognition.2017.08.006>
- Spencer-Rodgers, J., Major, B., **Forster, D. E.**, & Peng, K. (2016). The power of affirming group values: Group affirmation buffers the self-esteem of women exposed to blatant sexism. *Self and Identity*, 15(4), 413-431. <http://dx.doi.org/10.1080/15298868.2016.1145593>
- Carter, E. C., Kofler, L. K., **Forster, D. E.**, & McCullough, M. E. (2015). A series of meta-analytic tests of the depletion effect: Self-control does not seem to rely on a limited resource. *Journal of Experimental Psychology: General*, 144(4), 796-815. <http://dx.doi.org/10.1037/xge0000083>
- Carver, C. S., Johnson, S. L., McCullough, M. E., **Forster, D. E.**, & Joorman, J. (2014). Adult personality correlates of childhood adversity. *Frontiers in Psychology*. 5:1357. <http://dx.doi.org/10.3389/fpsyg.2014.01357>
- Pedersen, E. J., **Forster, D. E.**, & McCullough, M. E. (2014). Life history, code of honor, and emotional responses to inequality in an economic game. *Emotion*, 14(5), 920-929. <http://dx.doi.org/10.1037/a0036752>

NON-PEER REVIEWED PUBLICATIONS

- Neubauer, C., Pollard, K. A., Benbow, K., Rabin, A. H., **Forster, D. E.**, Nguyen, R., Kochert, J., Bonsignore, E., & Campbell, S. (submitted). Measuring and predicting technical fluency: How knowledge, skills, abilities, and other behaviors can contribute to technological savviness.
- Baker, A. L., **Forster, D. E.**, Reichenberg, R. E., Neubauer, C. E., Fitzhugh, S. M., & Krausman, A. (2023). Toward a causal modeling approach for trust-based interventions in human-autonomy teams. In J. Llinas, T. Gillespie, S. Fouse, W. Lawless, R. Mittu, D. Sofge, & P. Dasgupta (Eds.), *Putting AI in the critical loop: Assured trust and autonomy in human-machine teams*.
- Crowell, H. P., **Forster, D. E.**, Thurman, S., Pollard, K., Chhan, D., Scharine, A., Krausman, A., Lakhmani, S., & Brooks, J. R. (2023). *Potential indicators of team trust measured in a next generation combat vehicle simulator*. US Army Combat Capabilities Development Command Army Research Laboratory Aberdeen Proving Ground United States.
- Neubauer, C., Lakhmani, S., Krausman, A., Fitzhugh, S. M., Berg, S., Rovira, E., Blackman, J., Garay, T., & **Forster, D. E.** (2023). *Measuring cohesion in human-autonomy teams: Development of a cohesion scale for use in human-Autonomy Team Research*. US Army Combat Capabilities Development Command Army Research Laboratory Aberdeen Proving Ground United States.
- Brewer, R. W., Baker, A. L., Krausman, A., Neubauer, C., **Forster, D. E.**, Scharine, A., Berg, S. K., Davis, K. L., Reid, A., & Schaefer, K. E. (2022). *Soldier operational experiment phase I: Evaluation of human-autonomy team trust and cohesion during live-fire evaluations and situational training exercises for next-generation combat vehicles*. US Army Combat Capabilities Development Command Army Research Laboratory Aberdeen Proving Ground United States.
- Cox, K. R., Rexwinkle, J. T., Gremillion, G. M., Perelman, B. S., Brooks, J. R., Dyer, P., Pollard, K. A., **Forster, D. E.**, Chhan, D., Carter, E. C., Fitzhugh, S. M., Lakhmani, S. G., Hung, C. P., Rohaly, T. L., Canady, J. D., Krausman, A. S., Gutstein, S. M., & Marathe, A. R. (2022). *A summary of the effects of technology aids and crew size on a next generation combat vehicle platoon section*. US Army Combat Capabilities Development Command Army Research Laboratory Aberdeen Proving Ground United States.
- Lakhmani, S. G., Pollard, K. A., **Forster, D. E.**, Krausman, A. S., Wright, J. L., McGhee, S. M. (2022). *Guidelines for collecting laboratory speech data*. US Army Combat Capabilities Development Command Army Research Laboratory Aberdeen Proving Ground United States.
- Rohaly, T. L., Fink, I. M., Cox, K. R., Gremillion, G. M., **Forster, D. E.** (2021). *The Effects of Task-Switching Within a Single Next Generation Combat Vehicle (NGCV) Role*. US Army Combat Capabilities Development Command Army Research Laboratory Aberdeen Proving Ground United States.
- Forster, D. E.**, McGhee, S. M., Perelman, B. S., Neubauer, C., Schaefer, K. E., & Krausman, A. (2020). *Human-Autonomy Teaming: Using Latent Semantic Analysis for Assessing Team Cohesion from Crew Communications*. US Army Combat Capabilities Development Command Army Research Laboratory Aberdeen Proving Ground United States.

Baker, A. L., Fitzhugh, S. M., **Forster, D. E.**, Brewer, R. W., Krausman, A., Scharine, A., & Schaefer, K. E. (2020). *Team Trust in Human-Autonomy Teams: Analysis of Crew Communication during Manned-Unmanned Gunnery Operations*. US Army Combat Capabilities Development Command Army Research Laboratory Aberdeen Proving Ground United States.

MANUSCRIPTS UNDER REVIEW AND IN PREPARATION

Moore, S. M., **Forster, D. E.**, & Geuss, M. N. (under revision). Attitude familiarity as a predictor of team performance. *PLoS one*.

Forster, D. E., Burnette, J. L., Ohtsubo, Y., Lieberman, D. & McCullough, M. E. (in prep). Experimental evidence that people factor transgressors' exploitation risk into their decision about forgiving and preserving relationships.

Billingsley, J., **Forster, D. E.**, McCullough, M. E., & Lieberman, D. (in prep). Religion and the psychology of coalitions.

Pedersen, E. J., **Forster, D. E.**, McCullough, M. E., & Lieberman, D. (in prep). People become angry when they experience costs but not when they experience lower-than-expected social value.

Thurman, S., M., Cohen Hoffing, R. A., Lauharatanahirun, N., **Forster, D. E.**, Bansall, K., Garcia, J. O., Vettel, J. M. (in prep). A model-based approach to identify robust pupillary correlates of vigilance performance in a 16-week longitudinal study.

CONFERENCE PRESENTATIONS

Brewer, R., Krausman, A., Neubauer, C., Pollard, K., **Forster, D. E.**, Scharine, A. (2023). Multi-modal approach for evaluating human-autonomy team trust. Paper accepted to the International Conference on Applied Human Factors and Ergonomics, San Francisco, CA.

Berg, S., Neubauer, C., Lakhmani, S., Krausman, A., Fitzhugh, S., & **Forster, D. E.** (2023). Psychometric properties of team resilience and team complementarity as human-autonomy team cohesion factors. Paper accepted to the International Conference on Applied Human Factors and Ergonomics, San Francisco, CA.

Baker, A. L., **Forster, D. E.**, Reichenberg, R. E., Neubauer, C. E., Fitzhugh, S. M. & Krausman, A. (2022). Toward a causal modeling approach for trust-based interventions in human-autonomy teams. Paper presented at the AAAI Spring Symposium Series in Palo Alto, CA.

Neubauer, C., **Forster, D. E.**, Blackman, J. Lakhmani, S., Fitzhugh, S. M., Krausman, A., Schaefer, K. E., Berg, S., & Rovira, E. (2021, September). Developing a new human-autonomy team cohesion Scale. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 65, No. 1, pp. 801-806). Sage CA: Los Angeles, CA: SAGE Publications.

Moore, S. M., Guess, M. N., & **Forster, D. E.** (2021) Attitude familiarity as a measure of team performance. Poster presented at the Society for Personality and Social Psychology.

- Forster, D. E. & McCullough, M. E. (2020).** Linguistic correlates of relationship closeness. Paper presented at the Society for Personality and Social Psychology in New Orleans, LA.
- Grant, D., Wadsworth, L., **Forster, D. E.**, Lieberman, D., McCullough, M. E., & Pedersen, E. J. (2020). Gratitude and the formation and maintenance of friendships. Poster presented at the Society for Personality and Social Psychology in New Orleans, LA.
- Wadsworth, L. M., **Forster, D. E.**, McCullough, M. E., Lieberman, D., & Pedersen, E. J. (2019). Gratitude and the formation and maintenance of relationships. Poster presented at the 1st Annual meeting of FOSSIL (FlyOver State Scientists Integrating EvoLution), Oklahoma State University.
- Cohen Hoffing, R.A., Thurman, S., Lauharatanahirun, N., **Forster, D.E.**, Garcia, J.O., Wasylyshyn, N. Giesbrecht, B., Grafton, S.T., Vettel, J.M. (2019). Distinct pupil features correlate with between-participant and across-session performance variability in a 16-week, longitudinal data set. Paper presented to Vision Science Society Annual Meeting, Naples, FL.
- Thurman, S., Cohen Hoffing, R.A., Lauharatanahirun, N., **Forster, D.E.**, Bansal, K., Grafton, S.T., Giesbrecht, B., Vettel, J.M. (2019). Applying linear additive models to isolate component processes in task-evoked pupil responses. Paper presented to Vision Science Society Annual Meeting, Naples, FL.
- Forster, D. E. & McCullough, M. E. (2019).** How victims use social information to respond to transgressions and apologies. Poster presented at the Society for Personality and Social Psychology in Portland, OR.
- Billingsley, J. & **Forster, D. E. (2018).** Apologies promote forgiveness and restore cooperation by increasing perceived relationship value. Paper presented at the Society of Southeastern Social Psychologists in Raleigh, NC.
- Forster, D. E. & McCullough (2018).** Perceptions of relationship value cause forgiveness: An experimental test of mediation. Paper presented at the Society of Southeastern Social Psychologists in Raleigh, NC.
- Forster, D. E. & McCullough, M. E. (2018).** Relationship closeness reduces the harm of transgressions and facilitates forgiveness. Paper presented at the Society of Personality and Social Psychology, Close Relationships Preconference, in Atlanta, GA.
- Bainter, S. A. & **Forster, D. E. (2017).** The impact of moderately informative priors on ability to detect model misfit. Paper presented at the International Meeting of the Psychometric Society in Zurich, Switzerland.
- Forster, D. E. & McCullough, M. E. (2017).** Do people's perceptions of a transgressor's relationship value cause forgiveness? Paper presented at the annual meeting of the Human Behavior and Evolution Society in Boise, ID.

- Forster, D. E. & McCullough, M. E. (2017).** People forgive to regain access to benefits. Poster presented at the annual meeting of the Society for Personality and Social Psychology in San Antonio, TX.
- McAuliffe, W.H.B., **Forster, D.E.**, Philippe, J., & McCullough, M.E. (2017). The effects of perspective taking on emotional arousal and social support. Poster presented at the annual meeting of the Society for Personality and Social Psychology, Emotion Preconference, in San Antonio, TX.
- Owusu-Addo, S., Patel, S., Russell, M., Burnette, J., & **Forster, D. E.** (2017). The interaction of relationship value and exploitation risk predict forgiveness of betrayals. Poster presented at the annual meeting of the Society for Personality and Social Psychology in San Antonio, TX.
- McCullough, M. E., McAuliffe, W. H. B., Pedersen, E. J., & **Forster, D. E.** (2017). An evaluation of the psychometric properties of the Dictator Game and Trust Game. Paper presented at the annual meeting of the Society for Personality and Social Psychology in San Antonio, TX.
- Forster, D. E. & McCullough, M. E. (2016).** Forgiveness implies restored trust and cooperation. Paper presented at the annual meeting of the Human Behavior and Evolution Society in Vancouver, BC.
- Pedersen, E. J., **Forster, D. E.**, McCullough, M. E., & Lieberman, D. (2016). A computational approach to gratitude: The roles of benefit delivery and welfare valuation. Paper presented at the annual meeting of the Human Behavior and Evolution Society in Vancouver, BC.
- Forster, D. E. & McCullough, M. E. (2016).** Economic decision-making correlates of forgiveness following an experimental manipulation of relationship value and exploitation risk. Poster presented at the annual meeting of the Society for Personality and Social Psychology in San Diego, CA.
- Forster, D. E.**, Pedersen, E. J., & McCullough, M. E. (2015). Are smiles reliable due to receiver-dependent costs? Poster presented at the annual meeting of the Human Behavior and Evolution Society in Columbia, Missouri.
- Pedersen, E. J., **Forster, D. E.**, & McCullough, M. E. (2015). Individual differences in endorsement of the code of honor: A life history perspective. Paper presented at the annual meeting of the Human Behavior and Evolution Society in Columbia, Missouri.
- Forster, D. E.**, Pedersen, E. J., Smith, A., Lieberman, D., & McCullough, M. E. (2014). Relationship value as a predictor of gratitude in response to benefit delivery. Poster presented at the annual meeting of the Human Behavior and Evolution Society in Natal, Brazil.
- Smith, A., Lieberman, Pedersen, E. J., D., **Forster, D. E.**, & McCullough, M. E. (2013). Gratitude and interpersonal welfare valuation. Paper presented at the annual meeting of the Human Behavior and Evolution Society in Miami, Florida.

Forster, D. E., Pedersen, E. J., and McCullough, M. E. (2013). Examining the relationship between code of honor and anger at unfairness in the third-party punishment game. Poster presented at the annual meeting of the Human Behavior and Evolution Society in Miami, Florida.

Forster, D. E., Spencer-Rodgers, J., and Major, B. (2012). Group affirmation protects the self in the face of prejudice. Poster presented at the annual meeting of the Society for Personality and Social Psychology in San Diego, California.

Fladebo, K. M., **Forster, D. E.,** Major, B., and Spencer-Rodgers, J. (2011). Group affirmation moderates the relationship between perceptions of prejudice and psychological well-being. Poster presented at the annual meeting of the Undergraduate Research and Creative Activities in Santa Barbara, California.

DEPARTMENTAL TALKS

Demystifying Bayesian Analysis. Department of Psychology S. T. Calvin Lecture, University of Miami, February 2017.

INVITED TALKS

How First Impressions Impact Relationship Stability and Teamwork. Department of Psychology, Florida Atlantic University, March 2020.

Resolving Transgressions: How Victims Use Social Information to Repair Relationships. Human Research and Engineering Directorate, Army Research Laboratory, April 2018.

TEACHING EXPERIENCE

Instructor of Record

Spring 2024	PSY 291: <i>Introduction to Biobehavioral Statistics for Majors</i> University of Miami, Department of Psychology
	EPS 703: <i>Applied Multivariate Statistics</i> University of Miami, Department of Educational & Psychological Studies
Fall 2023	PSY 291: <i>Introduction to Biobehavioral Statistics for Majors</i> University of Miami, Department of Psychology
	PSY 292: <i>Introduction to Biobehavioral Statistics for non-Majors</i> University of Miami, Department of Psychology
	PSH 6284: <i>Applied Statistics in Health</i> Yeshiva University, Ferkauf Graduate School of Psychology
	ECS 379: <i>Introduction to R Programming (Special Topics Course)</i> University of Miami, Abess Center for Ecosystem Science and Policy

Spring 2023	PSY 634: <i>Hierarchical Linear Modeling</i> University of Miami, Department of Psychology
Spring 2018	PIB 705: <i>Biostatistics for Biosciences</i> University of Miami, Programs in the Biomedical Sciences
Spring 2016	PSY 292: <i>Introduction to Biobehavioral Statistics</i> University of Miami, Department of Psychology
Spring 2015	PSY 292: <i>Introduction to Biobehavioral Statistics</i> University of Miami, Department of Psychology

Teaching Assistant – University of Miami

Spring 2017	<i>Hierarchical Linear Modeling</i> (Graduate) <i>Multiple Regression and Multivariate Statistics</i> (Graduate) <i>Evolutionary Psychology</i> (Undergraduate) <i>Psychology of Cooperation and Prosocial Behavior</i> (Undergraduate)
Fall 2016	<i>Structural Equation Modeling</i> (Graduate) <i>Psychological Statistics, Research Methods, and Design</i> (Graduate) <i>Introduction to Psychology</i> (Undergraduate)
Spring 2016	<i>Multiple Regression and Multivariate Statistics</i> (Graduate) <i>Advanced Research Methods</i> (Undergraduate)
Fall 2015	<i>Structural Equation Modeling</i> (Graduate) <i>Evolution and Sex</i> (Undergraduate)

AFFILIATIONS

Human Behavior and Evolution Society
Society for Personality and Social Psychology
American Psychological Association

AD HOC REVIEWER

Acta Psychologica
Asian Journal of Social Psychology
Cognition
Collabra: Psychology
Cyberpsychology: Journal of Psychosocial Research on Cyberspace
Environment and Behavior
European Journal of Social Psychology
Evolution and Human Behavior
Evolutionary Psychology
Frontiers in Psychology

Journal of Personality and Social Psychology
Personality and Social Psychology Bulletin
Scandinavian Journal of Medicine and Science in Sports
Self and Identity