

Ross Jacobucci
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Curriculum Vitae
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Professional History & Education

- **Assistant Professor of Psychology**
University of Notre Dame
2017 - Current
Notre Dame, Indiana
- **Ph.D. Psychology**
University of Southern California (USC)
August 2017
Los Angeles, California
 - Area: Quantitative Methods
 - Dissertation: Evaluating the Stability of Decision Tree Algorithms.
- **M.A. Psychology**
University of Southern California (USC)
December 2015
Los Angeles, California
 - Area: Quantitative Methods
 - Thesis: Regularized Structural Equation Modeling.
- **M.A. Psychology**
University of Northern Iowa (UNI)
2011-2013
Cedar Falls, Iowa
 - Individualized Study: Quantitative Emphasis
- **B.A. Psychology**
Luther College
June 2010
Decorah, Iowa
 - Thesis: The Effect of Mental Imagery on Performance in Golf.

Research Funding

• Pending

Ross Jacobucci (PI) Under Review
IES Statistical and Research Methodology in Education: Early Career Grant
Extending Regularized Structural Equation Modeling for Big Data in Education Research
Total Direct: \$139,759

Ross Jacobucci (Co-PI) & Brooke Ammerman (Co-PI) Under Review
NIH 1R03MH120488-01
The Implementation and Validation of Integrative Machine Learning for Predicting Suicide Outcomes
Total Direct: \$99,188

• Ongoing

Ross Jacobucci (Co-PI) & Brooke Ammerman (Co-PI) 8/13/18-8/13/20
Advanced Diagnostics and Therapeutics Discovery Fund.
Using Integrative Data Mining to Improve the Prediction of Suicide: An Initial Application.
Total Direct: \$41,068

Evan Kleiman (PI) 6/26/18-12/26/19
Military Suicide Research Consortium Common Data Elements
Enhancing Identification of Suicide Risk among Military Service Members and Veterans: A Machine Learning Approach to Suicidality.
Role: Consultant

• Not Funded

Publications

• Publications

- Jacobucci, R.**, Brandmaier, A., & Kievit, R. (accepted). A practical guide to variable selection in structural equation models with regularized MIMIC models. *Advances in Methods and Practices in Psychological Science*.
- Burke, T.A., Ammerman, B.A., & **Jacobucci, R.** (in press). The use of machine learning in the study of suicidal and non-suicidal self-injurious thoughts and behavior: *A systematic review. Journal of Affective Disorders*.
- Hong, M. R., **Jacobucci, R.** (in press). Review of Growth Modeling: Structural Equation and Multilevel Modeling Approaches (Grimm, Ram & Estabrook, 2017). *Psychometrika*.
- Ammerman, B. A., Serang, S., **Jacobucci, R.**, Burke, T., A., Alloy, L. B., & McCloskey, M. S. (in press). Exploratory analysis of mediators in the relationship between childhood maltreatment and suicidal behavior. *Journal of Adolescence*.
- Usami, S., **Jacobucci, R.**, & Hayes, T. (in press). The performance of latent growth curve model based structural equation model trees to uncover population heterogeneity in growth trajectories. *Computational Statistics*.
- Stegmann, G., **Jacobucci, R.**, Serang, S., & Grimm, K. J. (2018). Recursive partitioning with nonlinear change trajectories. *Multivariate Behavioral Research*, 53, 559-570.
- Burke, T. A., **Jacobucci, R.**, Ammerman, B. A., Piccirillo, M., McCloskey M., & Alloy, L. B. (2018). Identifying the relative importance of non-suicidal self-injury features in predicting suicidal ideation and behavior using exploratory data mining. *Psychiatry Research*, 262, 175-183.
- Ammerman, B. A., **Jacobucci, R.**, & McCloskey, M. S. (2018). Using exploratory data mining to identify important predictors of non-suicidal self-injury frequency. *Psychology of Violence*, 8, 515-525.
- Ammerman, B. A., **Jacobucci, R.**, Kleiman, E. M., Uyeji, L., & McCloskey, M. S. (2018). The relationship between nonsuicidal self-injury age of onset and severity of self-harm. *Suicide and Life Threatening Behavior*, 48, 31-37.
- Jacobucci, R.**, Grimm, K. J. (2018). Comparison of frequentist and Bayesian regularization in structural equation modeling. *Structural Equation Modeling*, 25, 639-649.
- Stegmann, G., **Jacobucci, R.**, Harring, J., & Grimm, K. J. (2018). Nonlinear mixed-effects modeling programs in R. *Structural Equation Modeling*, 25, 160-165.
- Serang, S., **Jacobucci, R.**, Brimhall, K. C., & Grimm, K. J. (2017). Exploratory mediation analysis via regularization. *Structural Equation Modeling*, 24, 733-744.
- Jacobucci, R.**, Grimm, K. J., & McArdle, J. J. (2017). A comparison of methods for uncovering sample heterogeneity: Structural equation model trees and finite mixture models. *Structural Equation Modeling*, 24, 270-282.
- Ammerman, B. A., **Jacobucci, R.**, Kleiman, E. M., Muehlenkamp, J. J., & McCloskey, M. S. (2017). Development and validation of empirically derived frequency criteria for NSSI disorder using exploratory data mining. *Psychological Assessment*, 29, 221-231.
- Jacobucci, R.**, Grimm, K. J., & McArdle, J. J. (2016). Regularized structural equation modeling. *Structural Equation Modeling*, 23, 555-566. doi:10.1080/10705511.2016.1154793. PMID: 4937830