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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

• Ongoing

Evan Kleiman (PI) Funded
Sponsored: 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

Taylor Burke (PI) 10/16/17-10/16/18
Sponsored: James Morgan Fund for New Directions in the Analysis of Complex Interactions.
Using Exploratory Data Mining to Enhance Prediction of Suicide Risk among Youth in Medical Care Settings
Role: Consultant

• Completed

T32 AG000037-38 Crimmins (PI) 01/01/15-07/31/17
Ruth L. Kirschstein National Research Service Award
Predoctoral trainee on the Multidisciplinary Research Training in Gerontology Grant at USC.
Role: Predoctoral Trainee

Books

Jacobucci, R. & Grimm, K. J. (under contract). *Exploratory data mining for social and behavioral scientists.*
New York, NY: Guilford.

Publications

• Publications

- Stegmann, G., **Jacobucci, R.**, Serang, S., & Grimm, K. J. (in press). Recursive partitioning with nonlinear change trajectories. *Multivariate Behavioral Research*.
- 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*.
- Burke, T. A., **Jacobucci, R.**, Ammerman, B. A., Piccirillo, M., McCloskey M., & Alloy, L. B. (in press). Identifying the relative importance of non-suicidal self-injury features in predicting suicidal ideation and behavior using exploratory data mining. *Psychiatry Research*.
- Ammerman, B. A., **Jacobucci, R.**, & McCloskey, M. S. (in press). Using exploratory data mining to identify important predictors of non-suicidal self-injury frequency. *Psychology of Violence*.
- Ammerman, B. A., **Jacobucci, R.**, Kleiman, E. M., Uyeji, L., & McCloskey, M. S. (in press). The relationship between nonsuicidal self-injury age of onset and severity of self-harm. *Suicide and Life Threatening Behavior*.
- 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.
- Grimm, K. J., **Jacobucci, R.**, McArdle, J. J. (January, 2017). Big data methods and psychological science. *Psychological Science Agenda*.
- 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
- Ammerman, B. A., **Jacobucci, R.**, Kleiman, E. M., Muehlenkamp, J. J., & McCloskey, M. S. (2016). Development and validation of empirically derived frequency criteria for NSSI disorder using exploratory data mining, *Psychological Assessment*.
- Jacobucci, R.**, & McArdle, J. J. (2015). Abstract: Regularized structural equation modeling, *Multivariate Behavioral Research* 50, 736-736. doi:10.1080/00273171.2015.1121125.
- Hayes, T., Usami, S., **Jacobucci, R.**, & McArdle, J. J. (2015). Using classification and regression trees (CART) and random forests to analyze attrition in longitudinal data: Results from two simulation studies, *Psychology and Aging*, 30, 911-929. doi:10.1037/pag0000046. PMID: 4743660
- Skaar, N. R., Christ, T. J., & **Jacobucci, R.** (2014). Measuring adolescent prosocial and health risk behavior in schools: Initial development of a screening measure. *School Mental Health*, 6, 137-149. doi:10.1007/s12310-014-9123-y

• Chapters

- Jacobucci, R.** & Grimm, K. J. (accepted). Regularized estimation of multivariate latent change score models. *Advances in Longitudinal Models for Multivariate Psychology*.
- Grimm, K. J. & **Jacobucci, R.** (accepted). Individually varying time metrics in latent change score models. *Advances in Longitudinal Models for Multivariate Psychology*.