

**Miriam Brinberg, Ph.D.**

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**ACADEMIC POSITIONS**

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**The Ohio State University***Assistant Professor*

School of Communication

July 2022 – present

**The Pennsylvania State University***Postdoctoral Researcher*

Department of Communication Arts and Sciences

August 2020 – July 2022

**EDUCATION**

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**The Pennsylvania State University***Ph.D. Human Development & Family Studies*

2020

*M.S. Human Development & Family Studies*

2017

**The University of North Carolina – Chapel Hill***B.S. Psychology (Highest Honors & Highest Distinction)*

2015

**AWARDS AND FELLOWSHIPS**

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Society of Multivariate Experimental Psychology Travel Grant

2019

NIH T32 LM012415 Trainee: Biomedical Big Data to Knowledge

2017, 2018

University Graduate Fellowship (PSU)

2015-2016

College of HHD, Professional Development Endowment (PSU)

2016

APA Advanced Training Institute Travel Award

2016

Phi Beta Kappa (UNC –Chapel Hill)

2014

*Research*Outstanding Dissertation Award, Human Communication and Technology Division,  
National Communication Association, 2021.Top Four Paper Award (Bodie, Jones, Brinberg, Joyer, Solomon, & Ram), Interpersonal  
Communication Division, National Communication Association, 2020.Top Paper Award (Ram, Cho, Yang, Brinberg, Muirhead, Reeves, & Robinson), Children,  
Adolescents, and Media Division, International Communication Association, 2019.

## FUNDING

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Using Intensive Longitudinal Methods to Study Conversations as Dynamic Dyadic Systems. National Science Foundation (NSF Award #2140402). 06/2022 – 11/2023. Award Amount: \$160,000. Role: Co-Principal Investigator (Co-PI: Solomon).

Hintz Award for Dissertation Research. The Pennsylvania State University, Department of Human Development and Family Studies. 08/2018 – 12/2019. Award Amount: \$4,000. Role: Principal Investigator.

## PUBLICATIONS

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**Brinberg, M.**, Ram, N., Wang, J., Sundar, S.S., Cummings, J.J., Yeykelis, L., & Reeves, B. (in press). Screenertia: Understanding “stickiness” of media through temporal changes in screen use. *Communication Research*. doi: 10.1177/00936502211062778

Solomon, D.H., Jones, S.M., **Brinberg, M.**, Bodie, G.D., & Ram, N. (in press). Using sequence analysis to identify conversational motifs in supportive interactions. *Journal of Social and Personal Relationships*. doi: 10.1177/02654075211066618

**Brinberg, M.**, Ram, N., Conroy, D.E., Pincus, A.L., & Gerstorff, D. (2022). Dyadic analysis and the reciprocal one-with-many model: Extending the study of interpersonal processes with intensive longitudinal data. *Psychological Methods*, 27(1), 65-81. doi: 10.1037/met0000380

Solomon, D.H., **Brinberg, M.**, Bodie, G.D., Jones, S.M., & Ram, N. (2021). A dynamic dyadic systems approach to interpersonal communication. *Journal of Communication*, 71(6), 1001-1026. doi: 10.1093/joc/jqab035

**Brinberg, M.**, Vanderbilt, R.R., Solomon, D.H., Brinberg, D., & Ram, N. (2021). Using technology to unobtrusively observe relationship development. *Journal of Social and Personal Relationships*, 38(12), 3429-3450. doi: 10.1177/02654075211028654

Jaccard, J.J., & **Brinberg, M.** (2021). Monte Carlo simulations using extant data to mimic populations: A comparison of the linear probability model and logistic regression. *Psychological Methods*, 26(4), 450-465. doi: 10.1037/met0000383

Fosco, G.M., **Brinberg, M.**, & Ram, N. (2021). Day-to-day changes in parent-adolescent connectedness: Relations with daily subjective well-being and eudaimonia differ for parents and adolescents. *Journal of Positive Psychology*, 5, 640-650. doi: 10.1080/17439760.2020.1791945

**Brinberg, M.**, & Ram, N. (2021). Do new romantic couples use more similar language over time? Evidence from intensive longitudinal text messages. *Journal of Communication*, 71(3), 454-477. doi: 10.1093/joc/jqab012

**Brinberg, M.**, Ram, N., Yang, X., Cho, M.-J., Sundar, S.S., Robinson, T.N., & Reeves, B. (2021). The idiosyncrasies of everyday digital lives: Using the human screenome project to study user behavior on smartphones. *Computers in Human Behavior*. doi: 10.1016/j.chb.2020.106570

Bodie, G.D., Jones, S.M., **Brinberg, M.**, Joyer, A.M., Solomon, D.H., & Ram, N. (2021). Discovering the fabric of supportive conversations: A typology of speaking turns and their contingencies. *Journal of Language and Social Psychology*, 40, 214-237. doi: 10.1177/0261927X20953604

Reeves, B., Ram, N., Robinson, T.N., Cummings, J.J., Giles, C.L., Pan, J., Chiatti, A., Cho, M.J., Roehrick, K., Yang, X., Gagneja, A., **Brinberg, M.**, Muise, D., Lu, Y., Luo, M., Fitzgerald, A., & Yeykelis, L. (2021). Screenomics: A framework to capture and analyze personal life experiences and the ways that technology shapes them. *Human-Computer Interaction*, 36(2), 150-201. doi: 10.1080/07370024.2019.1578652

LoBraico, E.J., **Brinberg, M.**, Ram, N., & Fosco, G.M. (2020). Exploring processes in day-to-day parent-adolescent conflict and angry mood: Evidence for circular causality. *Family Process*, 59(4), 1706-1721. doi: 10.1111/famp.12506

Ram, N., Cho, M.J., Yang, X., **Brinberg, M.**, Muirhead, F., Reeves, B., & Robinson, T.N. (2020). Screenomics: A new approach for observing and studying individuals' digital lives. *Journal of Adolescent Research*, 35(1), 16-50. doi: 10.1177/0743558419883362

Lougheed, J.P., **Brinberg, M.**, Ram, N., & Hollenstein, T. (2020). Emotion socialization as a dynamic process across emotion contexts. *Developmental Psychology*, 56(3), 553-565. doi: 10.1037/dev0000801

Chiatti, A., Cho, M.J., Gagneja, A., Yang, X., **Brinberg, M.**, Roehrick, K., Ram, N., Reeves, B., & Giles, C.L. (2018). Text extraction and retrieval from smartphone screenshots: Building a repository for life in media. In *Proceedings of Symposium on Applied Computing*, Bayonne, France, April 2018.

**Brinberg, M.**, Ram, N., Hülür, G., Brick, T.R., & Gerstorf, D. (2018). Analyzing dyadic data using grid-sequence analysis: Inter-dyad differences in intra-dyad dynamics. *Journals of Gerontology: Psychological Sciences*, 73(1), 5-18. doi: 10.1093/geronb/gbw160

Ram, N., **Brinberg, M.**, Conroy, D.E., & Pincus, A.L. (2017). The questionable ecological validity of ecological momentary assessment: Considerations for design and analysis. *Research in Human Development*, 14(3), 253-270. doi: 10.1080/15427609.2017.1340052

**Brinberg, M.**, Fosco, G.M., & Ram, N. (2017). Examining inter-family differences in intra-family (parent-adolescent) dynamics using grid-sequence analysis. *Journal of Family Psychology*, 31(8), 994-1004. doi: 10.1037/fam0000371

Chiatti, A., Yang, X., **Brinberg, M.**, Cho, M.J., Gagneja, A., Ram, N., Reeves, B.B., & Giles, C.L. (2017). Text extraction from smartphone screenshots to archive in situ media behavior. In *Proceedings of Knowledge Capture*, Austin, TX, USA, December 2017.

## BOOK CHAPTERS

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**Brinberg, M.**, Vanderbilt, R.R., & Solomon, D.H. (2022). Unobtrusive observational approaches to studying the texting life of couples: A case study of interpersonal conflict. In J.H. Lipschultz, K. Freberg, & R. Luttrell (Eds.), *The Emerald Handbook of Computer-Mediated Communication and Social Media*. Emerald Publishing.

Brinberg, D., & **Brinberg, M.** (2019). The validity network schema: Perspectives on validity, validation, and research paths in consumer research. In F.R. Kardes, P.M. Herr, & N. Schwarz (Eds.), *Handbook of Research Methods in Consumer Psychology*. Routledge.

## INVITED TALKS

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**Brinberg, M.** (August, 2021). Exploring the Dynamics of Interpersonal Interactions in Conversations and Daily Life. The Pennsylvania State University, Communication Arts and Sciences Colloquium.

**Brinberg, M.** (February, 2020). Developing a Dynamic Systems Approach for Supportive Conversations. The University of Minnesota, Interpersonal Relationships Research Colloquium.

## CONFERENCE PRESENTATIONS

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### Chaired Symposia

**Brinberg, M.** & Ram, N. (2018). *Behavior is fast – EMA is slow: Using the screenome to study real-world behavior in the digital age*. Association for Psychological Science, San Francisco, CA.

### Paper Presentations

+ = top paper award

^ = top 4 paper award

\* = presenting author

Quiroz, S.I., Ha, T., Calveri, E., Saysavanh, S., Trimble, A., Makarram, M., & **Brinberg, M.** (2022). *Screenshots of stressful relationship events: Development of novel methods to measure affect in digital dating interactions*. Paper presented at the 2022 Biennial Meeting of the Society for Research on Adolescence, New Orleans, LA.

**Brinberg, M.**, & Ram, N. (2021). *Do new romantic couples use more similar language over time? Evidence from longitudinal text messages*. Paper presented at the 71<sup>st</sup> Annual International Communication Association Conference.

Solomon, D.H., **Brinberg, M.\***, Bodie, G.D., Jones, S.M., & Ram, N. (2021). *A dynamic dyadic systems approach to interpersonal communication*. Paper presented at the 71<sup>st</sup> Annual International Communication Association Conference.

**Brinberg, M.**, Vanderbilt, R.R., Solomon, D.H., Brinberg, D., & Ram, N. (2020). *Changes in text messaging usage patterns in new romantic couples*. Paper presented at the 106<sup>th</sup> Annual National Communication Association Conference, Indianapolis, IN.

^Bodie, G.D., Jones, S.M., **Brinberg, M.\***, Joyer, A.C.M., Solomon, D.H., & Ram, N. (2020). *Discovering the fabric of supportive conversations: A typology of speaking turns and their contingencies*. Paper presented at the 106<sup>th</sup> Annual National Communication Association Conference, Indianapolis, IN.

Cho, M.J., Yang, X., **Brinberg, M.**, Ram, N., & Reeves, B. (2020). *Media production behavior on smartphones: Content, structure, context, and time*. Paper presented at the annual 70<sup>th</sup> Annual International Communication Association Conference, Gold Coast, Australia.

Brinberg, D., **Brinberg, M.**, Jaccard, J.J., Keith, Z., & Herr, P. (2019). *Is science good storytelling?* Paper presented at the annual Association for Consumer Research conference, Atlanta, GA.

+Ram, N., Cho, M.J., Yang, X., **Brinberg, M.\***, Muirhead, F., Reeves, B., & Robinson, T.N. (2019). *Teen screenomes: Describing and interpreting adolescents' day-to-day digital lives*. Paper presented at the annual 69<sup>th</sup> Annual International Communication Association Conference, Washington, D.C.

Lougheed, J.P., **Brinberg, M.**, Ram, N., & Hollenstein, T. (2019). *An examination of emotion socialization dynamics in mother-daughter dyads using grid-sequence analysis*. Paper presented at the bi-annual Society for Research in Child Development conference, Baltimore, MD.

Fosco, G.M., **Brinberg, M.**, & Ram, N. (2019). *Does it work both ways? Examining parent-adolescent connectedness for parent and adolescent well-being*. Paper presented at the bi-annual Society for Research in Child Development, Baltimore, MD.

Roehrick, K., **Brinberg, M.**, Ram, N., & Reeves, B. (2019). *The screenome: An exploration of smartphone psychology across place and person*. Paper presented at the annual Society for Personality and Social Psychology conference, Portland, OR.

Bodie, G.D., Solomon, D.H., **Brinberg, M.**, & Ram, N. (2018). *A turn-by-turn analysis of enacted support in interaction between strangers*. Paper presented at the annual National Communication Association convention, Salt Lake City, UT.

**Brinberg, M.**, Cummings, J.J., & Yeykelis, L. (2018). *How quickly are you switching between content? It might be faster than you think*. Paper presented at the annual Association for Psychological Science conference, San Francisco, CA.

**Brinberg, M.**, & Ram, N. (2018). *The extension and demonstration of the one-with-many design to study interpersonal dynamics*. Paper presented at the annual Association for Psychological Science conference, San Francisco, CA.

Fosco, G.M., **Brinberg, M.**, & Ram, N. (2018). *Dyadic parent-adolescent connectedness*. Paper presented at the annual Association for Psychological Science conference, San Francisco, CA.

**Brinberg, M.**, Ram, N., Hülür, G., Brick, T.R., & Gerstorff, D. (2016). *Dyadic analysis using grid sequence methods: Inter-dyad differences in intra-dyad dynamics*. Paper presented at the annual Gerontology Society of America conference, New Orleans, LA.

### **Poster Presentations**

**Brinberg, M.**, & Ram, N. (2019). *Modeling within-dyad change in coregulation processes using couples' text messages and differential equation models*. Poster presented at the annual Society of Multivariate Experimental Psychology conference, Baltimore, MD.

**Extended abstract:** *Multivariate Behavioral Research*, 55(1), 1-2. doi:  
10.1080/00273171.2019.1694479

Luo, M., **Brinberg, M.**, Ram, N., & Reeves, B. (2018). *Mediated and fragmented relationships in the new media age: Moment-by-moment analysis of a couple's media use as a case study*. Poster presented at the International Conference of Web and Social Media workshop "Bridging the lab and the field", Stanford, California.

**Brinberg, M.**, Brick, T.R., Hülür, G., Ram, N., & Gerstorff, D. (2016). *Dyadic analysis using grid sequence methods: Inter-dyad differences in intra-dyad dynamics*. Poster presented at the annual Modern Modeling Methods conference, Storrs, CT.

## TEACHING

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### The Pennsylvania State University

#### *Instructor*

Interpersonal Communication Theory and Research (CAS 403) 2022

Communication and Information Technology (CAS 283) 2021

#### *Teaching Assistant*

Communication and Information Technology (CAS 283) 2021

Strategies for Data Analysis in Developmental Research (HDFS 523) 2019

#### *Guest Lecturer*

“Introduction to Data Mining” 2022

Advanced Behavioral Health Research Strategies (BBH 597)

“Introduction to Data Mining” 2019

Strategies for Data Analysis in Developmental Research (HDFS 523)

“Dyadic Data Analysis” 2019

Strategies for Data Analysis in Developmental Research (HDFS 523)

“The Unobtrusive Study of Digital Device Use” 2019

Writing in the Social Sciences (ENGL 202A)

### Guest Lectures

*Utrecht University* 2021

“Grid-sequence analysis” (Graduate course: Observational Research)

**Penn State Communication Arts and Sciences Summer Symposium** 2022

*Dynamic Dyadic Systems Analysis of Conversation Data Co-Leader*

**National Communication Association Preconference Workshop** 2021

*Dynamic Dyadic Systems Analysis: Analytic Approach & Step-by-Step Tutorials Co-Instructor*

**American Psychological Association Advanced Training Institute** 2019

*Analysis of Intensive Longitudinal Data Workshop Teaching Assistant*

### Online Tutorials

*Quantitative Developmental Systems Group* (<https://quantdev.ssri.psu.edu/tutorials>)

Practical Preliminaries for Growth Modeling

Linear Growth Models  
 Growth Models with Nonlinearity in Parameters  
 Growth Models with Nonlinearity in Random Coefficients  
 Multivariate Latent Change Score Models  
 Cross-Validation  
 k Nearest Neighbors: An Introductory Example

*Longitudinal Human Analytics Made Accessible* (<https://lhama.la.psu.edu>)

Cluster Analysis  
 Configural Frequency Analysis  
 2-Sample Configural Frequency Analysis  
 Conversational Motifs  
 Dyadic Categorical Time Series  
 Grid-sequence Analysis  
 Actor-Partner Interdependence Model (APIM)  
 Dyadic Multilevel Model  
 One-with-many Model  
 Sequence Analysis  
 State Space Grids

## SERVICE

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**PSU Quantitate Developmental Systems Group Brownbag Organizer** 2018-2019

**Graduate Steering Committee**, Human Development & Family Studies, PSU

*Student Adviser* 2019-2020

*Programming, Planning, Development, and Evaluation Co-Chair* 2018-2019

*Co-Chair of Graduate Steering Committee* 2017-2018

**Graduate Women in Science – Girl Scout Workshop** 2018

### **Ad-hoc Reviewer**

*Behavior Research Methods*

*Communication Methods and Measures*

*Emotion*

*Health Psychology*

*Human Communication Research*

*Journal of Family Psychology*

*Journal of Social and Personal Relationships*

*Media Psychology*

*Quantitative and Computational Methods in Behavioral Sciences*

### **Conferences/Activities Organized**

Penn State – University of Maryland Graduate Student Methods Mini-Conference 2019



Biomedical Big Data to Knowledge Seminar 2017-2018  
Penn State – University of Virginia Graduate Student Methods Mini-Conference 2017

## MEDIA COVERAGE

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Cabello, M. (April 17, 2021). Language of romantic partners becomes more similar as relationship forms – even in text messages. *The Academic Times*. Retrieved from: <https://academictimes.com/language-of-romantic-partners-becomes-more-similar-as-relationship-forms-even-in-text-messages/>