Stanford

Nilam Ram

Professor of Communication and of Psychology

Bio

BIO

Nilam Ram studies the dynamic interplay of psychological and media processes and how they change from moment-to-moment and across the life span.

Nilam's research grows out of a history of studying change. After completing his undergraduate study of economics, he worked as a currency trader, frantically tracking and trying to predict the movement of world markets as they jerked up, down and sideways. Later, he moved on to the study of human movement, kinesiology, and eventually psychological processes - with a specialization in longitudinal research methodology. Generally, Nilam studies how short-term changes (e.g., processes such as learning, information processing, emotion regulation, etc.) develop across the life span, and how longitudinal study designs contribute to generation of new knowledge. Current projects include examinations of age-related change in children's self- and emotion-regulation; patterns in minute-to-minute and day-to-day progression of adolescents' and adults' emotions; and change in contextual influences on well-being during old age. He is developing a variety of study paradigms that use recent developments in data science and the intensive data streams arriving from social media, mobile sensors, and smartphones to study change at multiple time scales.

ACADEMIC APPOINTMENTS

- Professor, Communication
- Professor, Psychology
- Member, Wu Tsai Human Performance Alliance
- Member, Wu Tsai Neurosciences Institute

PROGRAM AFFILIATIONS

- Symbolic Systems Program

LINKS

- The Change Lab @ Stanford: https://thechangelab.stanford.edu/

Teaching

COURSES

2025-26

- Multivariate Analysis, Measurement, and Study of Change in Social Science Research: COMM 369, PSYCH 253 (Spr)
- Statistical Methods for Behavioral and Social Sciences: COMM 352, PSYCH 252 (Win)

2024-25

- Ensemble Sonification of Temporal Data: COMM 153D, MUSIC 153D (Win)
- Ensemble Sonification of Temporal Data: MUSIC 153DZ (Win)
- Ensemble Sonification of Temporal Data: PSYCH 153D (Win)
- Longitudinal Data Analysis in Social Science Research: COMM 365, PSYCH 289 (Spr)
- Statistical Methods for Behavioral and Social Sciences: COMM 352, PSYCH 252 (Win)

2023-24

- Ensemble Sonification of Temporal Data: COMM 153D, MUSIC 153D (Win)
- Ensemble Sonification of Temporal Data: MUSIC 153DZ (Win)
- Longitudinal Data Analysis in Social Science Research: COMM 365, PSYCH 289 (Aut)
- Measurement and the Study of Change in Social Science Research: COMM 369, PSYCH 253 (Spr)

2022-23

- Longitudinal Design and Data Analysis: COMM 367, PSYCH 294 (Aut)
- Measurement and the Study of Change in Social Science Research: COMM 369, PSYCH 253 (Spr)
- Statistical Methods for Behavioral and Social Sciences: COMM 352, PSYCH 252 (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Kruttika Bhat, Steve Juarez, Young Jee Kim

Postdoctoral Faculty Sponsor

Ian Kim

Doctoral Dissertation Advisor (AC)

Michelle Ng, Shashanka Subrahmanya

Doctoral (Program)

David Barnstone, Zhenchao Hu, Michelle Ng, Rinseo Park

Postdoctoral Research Mentor

Zainab Hosseini

Publications

PUBLICATIONS

- **Stanford Screenomics: An Open-source Platform for Unobtrusive Multimodal Digital Trace Data Collection from Android Smartphones.** *medRxiv : the preprint server for health sciences*
  Kim, I., Boffa, J., Cho, M., Conroy, D. E., Kline, N., Haber, N., Robinson, T. N., Reeves, B., Ram, N.
  2025
- **Person-Specific Analyses of Smartphone Use and Mental Health: An Intensive Longitudinal Study Over One Year.** *JMIR formative research*
  Cerit, M., Lee, A. Y., Hancock, J., Miner, A., Cho, M. J., Muise, D., Garròn Torres, A. A., Haber, N., Ram, N., Robinson, T., Reeves, B.
  2024
- **Binding the Person-Specific Approach to Modern AI in the Human Screenome Project: Moving past Generalizability to Transferability.** *Multivariate behavioral research*
  Ram, N., Haber, N., Robinson, T. N., Reeves, B.
  2023: 1-9

- **The Idiosyncrasies of Everyday Digital Lives: Using the Human Screenome Project to Study User Behavior on Smartphones.** *Computers in human behavior*
  Brinberg, M. n., Ram, N. n., Yang, X. n., Cho, M. J., Sundar, S. S., Robinson, T. N., Reeves, B. n.
  2021; 114
- **Time for the Human Screenome Project** *NATURE*
  Reeves, B., Robinson, T., Ram, N.
  2020; 577 (7790): 314–17
- **Screenomics: A New Approach for Observing and Studying Individuals' Digital Lives.** *Journal of adolescent research*
  Ram, N., Yang, X., Cho, M. J., Brinberg, M., Muirhead, F., Reeves, B., Robinson, T. N.
  2020; 35 (1): 16-50
- **Using Screenshots to Predict Task Switching on Smartphones**
  Yang, X., Ram, N., Robinson, T., Reeves, B., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2019
- **Text Extraction and Retrieval from Smartphone Screenshots: Building a Repository for Life in Media**
  Chiatti, A., Cho, M., Gagneja, A., Yang, X., Brinberg, M., Roehrick, K., Choudhury, S., Ram, N., Reeves, B., Giles, C., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2018: 948–55
- **Emotional Experience Improves With Age: Evidence Based on Over 10 Years of Experience Sampling** *PSYCHOLOGY AND AGING*
  Carstensen, L. L., Turan, B., Scheibe, S., Ram, N., Ersner-Hershfield, H., Samanez-Larkin, G. R., Brooks, K. P., Nesselroade, J. R.
  2011; 26 (1): 21-33
- **Health, cognitive, and psychosocial trajectories over nearly a decade as distal antecedents of awareness of age-related change in old age.** *The journals of gerontology. Series B, Psychological sciences and social sciences*
  Koch, J., Buchinger, L., Brady, B., Drewelies, J., Duezel, S., Lindenberger, U., Ghisletta, P., Ram, N., Demuth, I., Vetter, V., Anstey, K. J., Gerstorf, D.
  2026
- **Evolution of networks in virtual reality: A scalable framework for studying social dynamics of small groups.** *PloS one*
  Park, R., Miller, M. R., Han, E., DeVeaux, C., Bailenson, J. N., Ram, N.
  2026; 21 (8): e0355470
- **Software Reference Architecture for Real-Time Mobile Digital Phenotyping: Evaluation of System Designs.** *JMIR formative research*
  Kim, I., Robinson, T. N., Reeves, B. B., Haber, N., Ram, N.
  2026; 10: e87320
- **Using Experience Sampling Methods to Study Identity Dynamics: A 5-Step Guide** *IDENTITY-AN INTERNATIONAL JOURNAL OF THEORY AND RESEARCH*
  Hu, Z., Ong, A. D., Ram, N.
  2026
- **Beyond apps: a method to model full distributions of screen content over time to study media effects** *COMMUNICATION METHODS AND MEASURES*
  Chi, Y., Cho, M., Molaib, K. M., Sun, X., Robinson, T. N., Ram, N., Reeves, B.
  2026
- **Continuous developmental changes in word recognition and language learning across early childhood.** *eLife*
  Frank, M. C., Marchman, V. A., Bergey, C. A., Boyce, V., Braginsky, M., Kachergis, G., Mankewitz, J., Meylan, S. C., Prystawski, B., Ram, N., Sparks, R. Z., Steffan, A., Tan, et al
  2026; 14
- **Continuous developmental changes in word recognition and language learning across early childhood** *ELIFE*
  Frank, M. C., Marchman, V. A., Bergey, C., Boyce, V., Braginsky, M., Kachergis, G., Mankewitz, J., Meylan, S. C., Prystawski, B., Ram, N., Sparks, R. Z., Steffan, A., Tan, et al
  2026; 14
- **Historical Changes in Control Belief Trajectories** *EUROPEAN JOURNAL OF PERSONALITY*
  Entringer, T. M., Buchinger, L., Heckhausen, J., Ram, N., Gerstorf, D.

2026

- **Tracking Divergence of Objective and Subjective Health Across Age and Historical Time** *INTERNATIONAL JOURNAL OF BEHAVIORAL DEVELOPMENT*
  Park, R., Gerstorf, D., Drewelies, J., Eibich, P., Smith, J., Lindenberger, U., Hoppmann, C. A., Steinhagen-Thiessen, E., Demuth, I., Ram, N.
  2026
- **Old age is perceived to begin later: Cross-European differences and the role of macro-level factors for historical change in perceived onset of old age.** *The journals of gerontology. Series B, Psychological sciences and social sciences*
  Wettstein, M., Park, R., Hess, M., Mäcken, J., Wanka, A., Wurm, S., Ram, N., Gerstorf, D.
  2026
- **Adolescents' perceptions of media messages and their preventive health behaviors: a longitudinal study.** *Pediatric research*
  Xu, T., Sun, X., Molaib, K. M., Ram, N., Reeves, B., Robinson, T. N.
  2026
- **Smartphone use among adolescents during school hours: High-intensity objective observations across different instructional contexts.** *Child development*
  Hussein, B., Sun, X., Molaib, K. M., Xu, T., Ram, N., Reeves, B., Robinson, T. N.
  2026
- **Risk Communication in Real Time: Examining Individuals' Smartphone Use During the 2021 Texas Winter Disaster With Mobile Sensing.** *Risk analysis : an official publication of the Society for Risk Analysis*
  Ng, M., Chi, Y., Cho, M. J., Eichstaedt, J., Reeves, B., Robinson, T. N., Ram, N.
  2026; 46 (4): e70235
- **STRESS IMPACTS ON HABIT FORMATION FOR WATER AND FLAVORED DRINK CONSUMPTION DURING A FLUID INTAKE INTERVENTION**
  Conroy, D., Li, S., Ram, N., Streeper, N.
  OXFORD UNIV PRESS INC.2026: S484
- **Free Your Mind and Mental Health and Wellbeing Will Follow: Evidence from Across-Day Within-Person Mediation in an Eight-Week Mindfulness RCT** *MINDFULNESS*
  Verhaeghen, P., Aikman, S., Ram, N.
  2026
- **Machine learning approaches to predict 24-hour urine collection results based on self-reported beverage intake.** *Journal of renal nutrition : the official journal of the Council on Renal Nutrition of the National Kidney Foundation*
  Li, S., Streeper, N., Ram, N., Zoellner, J., Penniston, K., Conroy, D. E.
  2026
- **Time-Related Considerations for Modeling Event-Based Data Collected via Ecological Momentary Assessment.** *Advances in methods and practices in psychological science*
  Benson, L., Hébert, E. T., Hartman, N., Sperry, S. H., Dempsey, W., Kendzor, D. E., Businelle, M. S., Ram, N.
  2026; 9 (1): 25152459251401191
- **The Ensonification Interface: A Comprehensive Toolkit for Ensemble Sonification of Temporal Data** *JOURNAL OF THE AUDIO ENGINEERING SOCIETY*
  Peng, T., Choi, H., Chafe, C., Ram, N.
  2026; 74 (3): 141-150
- **Relationship transitions and well-being in middle-aged and older men and women** *INTERNATIONAL JOURNAL OF BEHAVIORAL DEVELOPMENT*
  Wahring, I. V., Ghose, U., Hoppmann, C. A., Ram, N., Gerstorf, D.
  2026
- **Longitudinal Associations Between Adolescents' Smartphone Distraction Management During Family Time and Their Relationships with Parents.** *Educational psychology*
  Park, E., Sun, X., Molaib, K. M., Ram, N., Reeves, B. B., Robinson, T. N.
  2026
- **Longitudinal associations between adolescents' smartphone distraction management during family time and their relationships with parents** *EDUCATIONAL PSYCHOLOGY*

Park, E., Sun, X., Molaib, K. M., Ram, N., Reeves, B. B., Robinson, T. N.
2026

- **Time-Related Considerations for Modeling Event-Based Data Collected via Ecological Momentary Assessment** *ADVANCES IN METHODS AND PRACTICES IN PSYCHOLOGICAL SCIENCE*
  Benson, L., Hebert, E. T., Hartman, N., Sperry, S. H., Dempsey, W., Kendzor, D. E., Businelle, M. S., Ram, N.
  2026; 9 (1)
- **Examining individuals' protective behavioral decision-making dynamics over repeated risks of heat waves in the American West** *JOURNAL OF RISK RESEARCH*
  Ng, M., Herbert, N., Ram, N., Wong-Parodi, G.
  2025
- **Objectively Measured Social Media Use and Weight Concerns and Dieting in Adolescents.** *JAMA pediatrics*
  Sun, X., Molaib, K., Xu, T., Ram, N., Reeves, B., Desai, M., Robinson, T. N.
  2025
- **Subjective age in proximal and distal contexts: Both momentary pain and long-term trajectories of physical health shape daily dynamics of subjective age.** *Psychology and aging*
  Wettstein, M., Drewelies, J., Kornadt, A. E., Düzel, S., Lindenberger, U., Demuth, I., Hoppmann, C. A., Ram, N., Gerstorf, D.
  2025
- **Better together: Coexperienced positive emotions and cortisol secretion in the daily lives of older couples.** *Journal of personality and social psychology*
  Yoneda, T., Lewis, N. A., Pauly, T., Kolodziejczak-Krupp, K., Drewelies, J., Ram, N., Ashe, M. C., Madden, K. M., Gerstorf, D., Haase, C. M., Hoppmann, C. A.
  2025
- **Examining the Temporal Dynamics of Risk Communication During Extreme Weather Events: Insights From a Scoping Review.** *Risk analysis : an official publication of the Society for Risk Analysis*
  Ng, M., Schumacher, A., Herbert, N., Wong-Parodi, G., Ram, N., Demuth, J.
  2025
- **Supportive message evaluation across multiple time-scales** *JOURNAL OF COMMUNICATION*
  Bodie, G. D., Brinberg, M., Jones, S., Solomon, D. H., Ram, N.
  2025
- **Leisure activities and working memory in older age: The mediating roles of affect and cortisol.** *Psychology and aging*
  Luo, M., Weber, E., Pauly, T., Kolodziejczak-Krupp, K., Gerstorf, D., Hoppmann, C. A., Ram, N., Hülür, G., Röcke, C.
  2025
- **Physical nature associated with affective well-being, but technological nature falls short: Insights from an intensive longitudinal field study in the United States** *JOURNAL OF ENVIRONMENTAL PSYCHOLOGY*
  Ng, M., Chi, Y., Ram, N., Harari, G.
  2025; 104
- **FOUR DISTINCT HABIT FORMATIONTRAJECTORIES EMERGED DURINGTHE SIPIT FLUID INTAKE INTERVENTION**
  Li, S., Ram, N., Streeper, N., Conroy, D. E.
  OXFORD UNIV PRESS INC.2025: S194
- **Small Data Approaches to Link Faster Time Scale Engagement Dynamics with Slower Time Scale Outcomes in Biobehavioral Interventions.** *Chinese political science review*
  Wu, J., Ram, N., Marks, J., Streeper, N. M., Conroy, D. E.
  2025; 10 (2): 254-267
- **Smartphone screen time and suicide risk in daily life captured through high-resolution screenshot data.** *NPJ digital medicine*
  Jacobucci, R., Blacutt, M., Ram, N., Ammerman, B. A.
  2025; 8 (1): 321
- **Positive Affect Dynamics** *CURRENT DIRECTIONS IN PSYCHOLOGICAL SCIENCE*
  Ong, A. D., Dejonckheere, E., Ram, N.

2025

- **Transforming Mortality Prediction: A Transformer-based Mortality Prediction Model.** *The journals of gerontology. Series B, Psychological sciences and social sciences*
  Weiss, J., Azhir, A., Ram, N., Rehkopf, D. H.
  2025
- **Smartphone-based text obtained via passive sensing as it relates to direct suicide risk assessment.** *Psychological medicine*
  Ammerman, B. A., Kleiman, E. M., O'Brien, C., Knorr, A. C., Bell, K. A., Ram, N., Robinson, T. N., Reeves, B., Jacobucci, R.
  2025; 55: e144
- **EFFICACY OF SIPIT INTERVENTION FOR INCREASING FLUID INTAKE FOR KIDNEY STONE PREVENTION**
  Streeper, N., Cutshaw, A., Li, S., Liu, Y., Ram, N., Thomaz, E., Conroy, D. E.
  LIPPINCOTT WILLIAMS & WILKINS.2025
- **How spousal bereavement shapes life satisfaction: Stability and change across historical time** *EUROPEAN JOURNAL OF PERSONALITY*
  Ghose, U., Kraemer, M. D., Richter, D., Wagner, G. G., Infurna, F. J., Ram, N., Gerstorf, D.
  2025
- **Agreement between self-reported and objectively measured smartphone use among adolescents and adults** *COMPUTERS IN HUMAN BEHAVIOR REPORTS*
  Molaib, K. M., Sun, X., Ram, N., Reeves, B., Robinson, T. N.
  2025; 17
- **Corrigendum to "A multi-sample evaluation of the measurement structure and function of the modified monetary incentive delay task in adolescents" [Dev. Cogn. Neurosci. 65 (2024) 1-17].** *Developmental cognitive neuroscience*
  Demidenko, M. I., Mumford, J. A., Ram, N., Poldrack, R. A.
  2025: 101533
- **Mindfulness from me to we: A randomized control trial on the effects of an 8-week mindfulness intervention on mindfulness, well-being, mental health, compassion, and prosociality.** *The American journal of orthopsychiatry*
  Aikman, S. N., Verhaeghen, P., Ram, N.
  2025
- **Variational Inference as Tractable Approximation for Bayesian Models of Psychological Change Processes** *MULTIVARIATE BEHAVIORAL RESEARCH*
  Fischer, J. R., Ram, N.
  2025; 60 (1): 7-8
- **Media Content Atlas: A Pipeline to Explore and Investigate Multidimensional Media Space using Multimodal LLMs**
  Cerit, M., Zelikman, E., Cho, M., Robinson, T. N., Reeves, B., Ram, N., Haber, N., ACM
  ASSOC COMPUTING MACHINERY.2025
- **A Functionalist Perspective of Young Children's Anger and Sadness** *EMOTION*
  Cardwell, G., Cole, P. M., Gatzke-Kopp, L., Lunkenheimer, E. S., Buss, K. A., Ram, N.
  2024
- **A functionalist perspective of young children's anger and sadness.** *Emotion (Washington, D.C.)*
  Cardwell, G. S., Cole, P. M., Gatzke-Kopp, L., Lunkenheimer, E. S., Buss, K. A., Ram, N.
  2024
- **Kids or no kids? Life goals in one's 20s predict midlife trajectories of well-being.** *Psychology and aging*
  Buchinger, L., Wahring, I. V., Ram, N., Hoppmann, C. A., Heckhausen, J., Gerstorf, D.
  2024; 39 (8): 897-914
- **Using State Space Grids to Quantify and Examine Dynamics of Dyadic Conversation** *COMMUNICATION METHODS AND MEASURES*
  Brinberg, M., Solomon, D., Bodie, G. D., Jones, S. M., Ram, N.
  2024
- **Men and women transitioning to singlehood in young adulthood and midlife.** *Psychology and aging*
  Wahring, I. V., Neyer, F. J., Hoppmann, C. A., Ram, N., Gerstorf, D.

2024

- **Can Social Media Engagement Predict Election Results? Bandwagon Effects of Tweets About US Senate Candidates** *SOCIAL MEDIA + SOCIETY*
  Wang, J., Sundar, S., Ram, N.
  2024; 10 (4)
- **Alone Together, Together Alone: The Effects of Social Context on Nonverbal Behavior in Virtual Reality** *PRESENCE-VIRTUAL AND AUGMENTED REALITY*
  Han, E., Deveaux, C., Miller, M., Harari, G. M., Hancock, J. T., Ram, N., Bailenson, J. N.
  2024; 33: 425-451
- **Developmental differences in young children's implied use of cognitive resources in their self-regulation strategies** *SOCIAL DEVELOPMENT*
  Cardwell, G., Cole, P. M., Weaver, B., Leadbeater, J. M., Lunkenheimer, E. S., Buss, K. A., Gatzke-Kopp, L., Ram, N.
  2024
- **From Behavioral Genetics to Idiographic Science: Methodological Developments and Applications Inspired by the Work of Peter C. M. Molenaar.** *Multivariate behavioral research*
  Chow, S. M., Hamaker, E. L., Ram, N.
  2024: 1-4
- **Affective Sensitivity to Air Pollution (ASAP): Person-specific associations between daily air pollution and affective states.** *PloS one*
  Ng, M., Gerstorf, D., Conroy, D. E., Pincus, A. L., Ram, N.
  2024; 19 (8): e0307430
- **"What's yours is mine": Partners' everyday emotional experiences and cortisol in older adult couples.** *Psychoneuroendocrinology*
  Yoneda, T., Pauly, T., Ram, N., Kolodziejczak-Krupp, K., Ashe, M. C., Madden, K., Drewelies, J., Gerstorf, D., Hoppmann, C. A.
  2024; 167: 107118
- **Small Data Approaches to Link Faster Time Scale Engagement Dynamics with Slower Time Scale Outcomes in Biobehavioral Interventions** *CHINESE POLITICAL SCIENCE REVIEW*
  Wu, J., Ram, N., Marks, J., Streeper, N. M., Conroy, D. E.
  2024
- **How are Conversations via an On-Demand Peer-To-Peer Emotional Well-Being App Associated with Emotional Improvement?** *Health communication*
  Brinberg, M., Jones, S. M., Birnbaum, M. L., Bodie, G. D., Ram, N., Solomon, D. H.
  2024: 1-14
- **Historical change in trajectories of loneliness in old age: Older adults today are less lonely, but do not differ in their age trajectories.** *Psychology and aging*
  Suanet, B., Drewelies, J., Duezel, S., Eibich, P., Demuth, I., Steinhagen-Thiessen, E., Wagner, G. G., Lindenberger, U., Ram, N., Ghisletta, P., Gerstorf, D.
  2024; 39 (4): 350-363
- **Postponing old age: Evidence for historical change toward a later perceived onset of old age.** *Psychology and aging*
  Wettstein, M., Park, R., Kornadt, A. E., Wurm, S., Ram, N., Gerstorf, D.
  2024
- **Contamination bias in the estimation of child maltreatment causal effects on adolescent internalizing and externalizing behavior problems.** *Journal of child psychology and psychiatry, and allied disciplines*
  Felt, J. M., Chimed-Ochir, U., Shores, K. A., Olson, A. E., Li, Y., Fisher, Z. F., Ram, N., Shenk, C. E.
  2024
- **Examining Passively Collected Smartphone-Based Data in the Days Prior to Psychiatric Hospitalization for a Suicidal Crisis: Comparative Case Analysis.** *JMIR formative research*
  Jacobucci, R., Ammerman, B., Ram, N.
  2024; 8: e55999
- **Variation in social media sensitivity across people and contexts.** *Scientific reports*
  Vaid, S. S., Kroencke, L., Roshanaei, M., Talaifar, S., Hancock, J. T., Back, M. D., Gosling, S. D., Ram, N., Harari, G. M.

2024; 14 (1): 6571

- **The influence of spatial dimensions of virtual environments on attitudes and nonverbal behaviors during social interactions** *JOURNAL OF ENVIRONMENTAL PSYCHOLOGY*
  Han, E., DeVeaux, C., Hancock, J. T., Ram, N., Harari, G. M., Bailenson, J. N.
  2024; 95
- **Age-related emotional advantages in encountering novel situation in daily life.** *Psychology and aging*
  Chu, L., Shavit, Y. Z., Ram, N., Carstensen, L. L.
  2024; 39 (2): 113-125
- **Stability and change of optimism and pessimism in late midlife and old age across three independent studies.** *Psychology and aging*
  Tetzner, J., Drewelies, J., Duezel, S., Demuth, I., Wagner, G. G., Lachman, M., Lindenberger, U., Ram, N., Gerstorf, D.
  2024; 39 (1): 14-30
- **Promoting fluid intake to increase urine volume for kidney stone prevention: Protocol for a randomized controlled efficacy trial of the sipITintervention.** *Contemporary clinical trials*
  Conroy, D. E., Marks, J., Cutshaw, A., Ram, N., Thomaz, E., Streeper, N. M.
  2024: 107454
- **Climate impacts of digital use supply chains** *Environmental Research: Climate*
  Shi, L., Brandt, A., Iancu, D., Mach, K. J., Field, C., Cho, M., Ng, M., Chey, K., Ram, N., Robinson, T., Reeves, B.
  2024; 3 (1)
- **A multi-sample evaluation of the measurement structure and function of the modified monetary incentive delay task in adolescents.** *Developmental cognitive neuroscience*
  Demidenko, M. I., Mumford, J. A., Ram, N., Poldrack, R. A.
  2023; 65: 101337
- **Contamination in Observational Research on Child Maltreatment: A Conceptual and Empirical Review With Implications for Future Research.** *Child maltreatment*
  Shenk, C. E., Shores, K. A., Ram, N., Felt, J. M., Chimed-Ochir, U., Olson, A. E., Fisher, Z. F.
  2023: 10775595231224472
- **Studying Daily Social Interaction Quantity and Quality in Relation to Depression Change: A Multi-Phase Experience Sampling Study.** *Personality & social psychology bulletin*
  Elmer, T., Ram, N., Gloster, A. T., Bringmann, L. F.
  2023: 1461672231211469
- **The effect of hair type and texture on electroencephalography and event-related potential data quality.** *Psychophysiology*
  Lees, T., Ram, N., Swingler, M. M., Gatzke-Kopp, L. M.
  2023: e14499
- **Color-Encoded Links Improve Homophily Perception in Node-Link Diagrams.** *IEEE transactions on visualization and computer graphics*
  Reimann, D., Schulz, A., Ram, N., Gaschler, R.
  2023; 29 (12): 5593-5598
- **Balancing media selections over time: Emotional valence, informational content, and time intervals of use.** *Heliyon*
  Cho, M. J., Reeves, B., Ram, N., Robinson, T. N.
  2023; 9 (12): e22816
- **Centering Student Voice to Inform Teacher Practice and Research: Validation of an Asset-Based Identities Measure** *JOURNAL OF PSYCHOEDUCATIONAL ASSESSMENT*
  Lopez, F., Gray, D., Boveda, M., Oviedo, D., Ram, N., Lopez, L.
  2023
- **Epigenetic age acceleration as a biomarker for impaired cognitive abilities in adulthood following early life adversity and psychiatric disorders.** *Neurobiology of stress*
  Felt, J. M., Yusupov, N., Harrington, K. D., Fietz, J., Zhang, Z. Z., Sliwinski, M. J., Ram, N., O'Donnell, K. J., BeCOME Working Group, Meaney, M. J., Putnam, F. W., Noll, J. G., Binder, E. B., et al
  2023; 27: 100577

- **Long-term aging trajectories of the accumulation of disease burden as predictors of daily affect dynamics and stressor reactivity.** *Psychology and aging*
  Gerstorf, D., Schilling, O. K., Pauly, T., Katzorreck, M., Lücke, A. J., Wahl, H. W., Kunzmann, U., Hoppmann, C. A., Ram, N.
  2023
- **Modeling BMI z score lability during childhood as a function of child temperament and genetic risk for obesity.** *Obesity (Silver Spring, Md.)*
  Liu, C., Neiderhiser, J. M., Ram, N., Leve, L. D., Shaw, D. S., Natsuaki, M. N., Reiss, D., Ganiban, J. M.
  2023; 31 (10): 2593-2602
- **Modeling categorical time-to-event data: The example of social interaction dynamics captured with event-contingent experience sampling methods.** *Psychological methods*
  Elmer, T., van Duijn, M. A., Ram, N., Bringmann, L. F.
  2023
- **The Affective Dynamics of Everyday Digital Life: Opening Computational Possibility.** *Affective science*
  Rocklin, M. L., Garròn Torres, A. A., Reeves, B., Robinson, T. N., Ram, N.
  2023; 4 (3): 529-540
- **Examining individual differences in how interaction behaviors change over time: A dyadic multinomial logistic growth modeling approach.** *Psychological methods*
  Brinberg, M., Bodie, G. D., Solomon, D. H., Jones, S. M., Ram, N.
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